

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032219\
 Data File : VN054547.D
 Acq On : 22 Mar 2019 10:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 29 04:46:34 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	509202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	782371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	678157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	301082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	317759	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.59	113	254194	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	938673	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	323047	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	250750	51.51	ug/l	99
3) Chloromethane	2.06	50	323171	48.79	ug/l	98
4) Vinyl Chloride	2.19	62	312356	46.97	ug/l	99
5) Bromomethane	2.57	94	177220	41.22	ug/l	99
6) Chloroethane	2.71	64	170124	42.65	ug/l	97
7) Trichlorofluoromethane	3.02	101	384330	47.59	ug/l	100
8) Diethyl Ether	3.41	74	133767	43.07	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	212795	44.84	ug/l	94
10) Methyl Iodide	3.94	142	293527	42.04	ug/l	92
11) Tert butyl alcohol	4.82	59	95365	248.70	ug/l	99
12) 1,1-Dichloroethene	3.73	96	202085	41.15	ug/l #	76
13) Acrolein	3.61	56	122525	231.54	ug/l	97
14) Allyl chloride	4.31	41	470377	50.86	ug/l #	90
15) Acrylonitrile	4.99	53	516335	270.39	ug/l	99
16) Acetone	3.82	43	523581	274.96	ug/l #	85
17) Carbon Disulfide	4.04	76	602667	45.80	ug/l	99
18) Methyl Acetate	4.33	43	231744	54.60	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	722090	50.38	ug/l	93
20) Methylene Chloride	4.54	84	264915	47.19	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	248552	49.56	ug/l	86
22) Diisopropyl ether	5.96	45	953846	52.29	ug/l #	95
23) Vinyl Acetate	5.90	43	3574222	277.41	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	500848	50.99	ug/l	98
25) 2-Butanone	6.85	43	710629	291.33	ug/l	90
26) 2,2-Dichloropropane	6.82	77	363448	51.91	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	284988	47.64	ug/l	87
28) Bromochloromethane	7.19	49	255400	52.83	ug/l #	74
29) Tetrahydrofuran	7.22	42	439528	277.66	ug/l #	85
30) Chloroform	7.37	83	480536	50.13	ug/l	96
31) Cyclohexane	7.65	56	482228	51.28	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	402597	50.91	ug/l	95
36) 1,1-Dichloropropene	7.79	75	372067	50.86	ug/l	96
37) Ethyl Acetate	6.94	43	289963	55.73	ug/l	95
38) Carbon Tetrachloride	7.77	117	351625	49.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	440487	52.64	ug/l	90
40) Benzene	8.04	78	1069710	51.14	ug/l	100
41) Methacrylonitrile	7.17	41	157405	49.61	ug/l	92
42) 1,2-Dichloroethane	8.12	62	388098	50.95	ug/l	97
43) Isopropyl Acetate	8.17	43	498829	56.77	ug/l #	94
44) Trichloroethene	8.83	130	287184	49.38	ug/l	94
45) 1,2-Dichloropropane	9.12	63	301070	53.60	ug/l	100
46) Dibromomethane	9.21	93	176527	52.68	ug/l	89
47) Bromodichloromethane	9.40	83	363460	52.26	ug/l	97
48) Methyl methacrylate	9.20	41	260520	54.63	ug/l	87
49) 1,4-Dioxane	9.20	88	47847	897.41	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1415366	290.65	ug/l	94
52) Toluene	10.16	92	645020	50.13	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	364001	49.63	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	438589	55.00	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	240211	51.94	ug/l	97
56) Ethyl methacrylate	10.43	69	342329	55.15	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	422420	52.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	743164	290.75	ug/l	90
59) 2-Hexanone	10.75	43	942120	296.19	ug/l	92
60) Dibromochloromethane	10.90	129	265611	53.97	ug/l	100
61) 1,2-Dibromoethane	11.00	107	239814	52.45	ug/l	100
64) Tetrachloroethene	10.63	164	261211	46.44	ug/l	96
65) Chlorobenzene	11.43	112	688376	49.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	260141	52.55	ug/l	99
67) Ethyl Benzene	11.51	91	1241840	50.97	ug/l	98
68) m/p-Xylenes	11.62	106	926661	100.41	ug/l	96
69) o-Xylene	11.95	106	449838	49.91	ug/l	97
70) Styrene	11.96	104	748064	51.11	ug/l	97
71) Bromoform	12.13	173	164432	48.26	ug/l	100
73) Isopropylbenzene	12.25	105	1192715	49.16	ug/l	98
74) N-amyl acetate	12.07	43	409969	58.77	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	301500	54.44	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	361719	75.71	ug/l #	100
77) Bromobenzene	12.53	156	291048	48.37	ug/l	84
78) n-propylbenzene	12.59	91	1350309	51.33	ug/l	97
79) 2-Chlorotoluene	12.67	91	801864	48.88	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	994358	50.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71672	51.61	ug/l #	84
82) 4-Chlorotoluene	12.77	91	802598	50.47	ug/l	97
83) tert-Butylbenzene	12.99	119	845872	48.87	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	987104	50.59	ug/l	98
85) sec-Butylbenzene	13.17	105	1104416	51.19	ug/l	98
86) p-Isopropyltoluene	13.29	119	1008214	52.23	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	501972	50.34	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	483290	49.81	ug/l	97
89) n-Butylbenzene	13.61	91	849419	56.28	ug/l	98
90) Hexachloroethane	13.87	117	162091	54.10	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	481816	49.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46055	56.69	ug/l	82

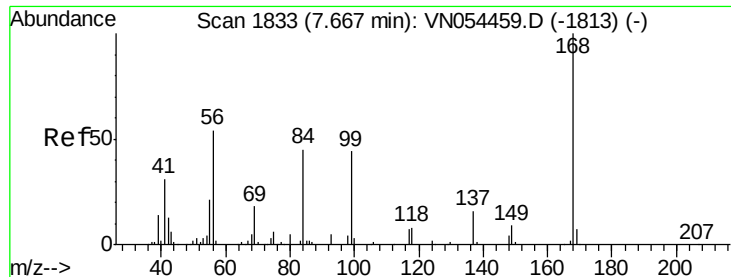
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	266248	55.30	ug/l	99
94) Hexachlorobutadiene	15.01	225	158488	59.04	ug/l	100
95) Naphthalene	15.13	128	592425	55.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	260073	54.27	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

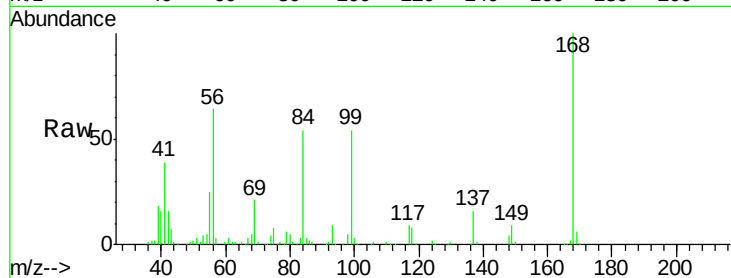
VSTDCCC050

Tot Ion:168 Resp: 509202

Ion Ratio Lower Upper

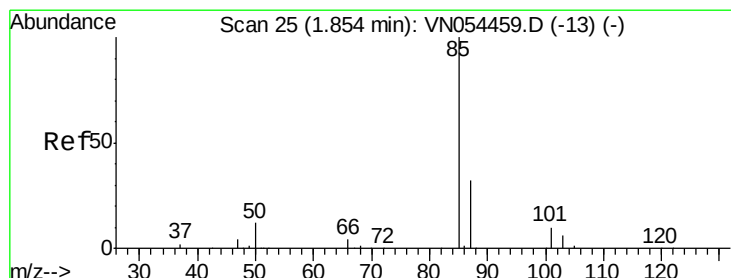
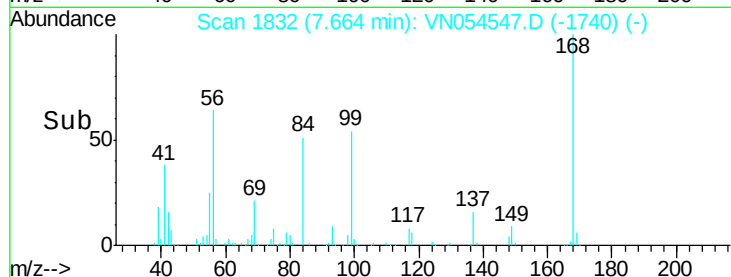
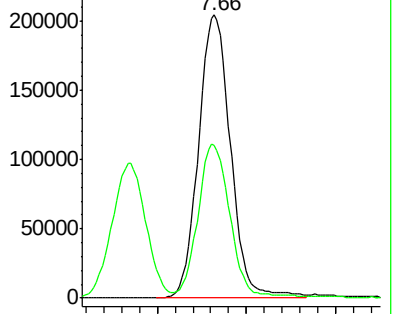
168 100

99 53.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.51 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054547.D

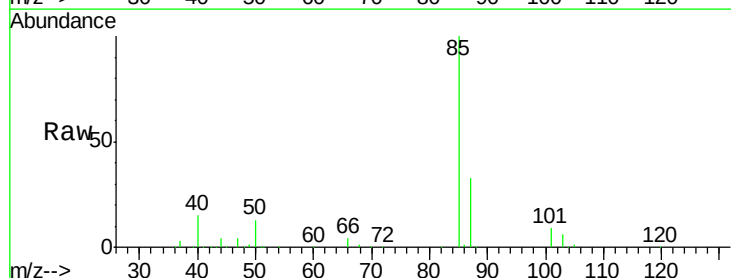
Acq: 22 Mar 2019 10:10

Tgt Ion: 85 Resp: 250750

Ion Ratio Lower Upper

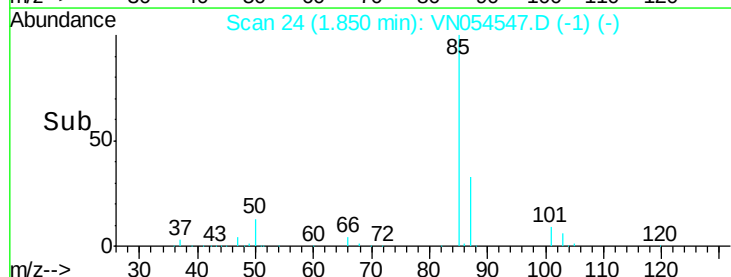
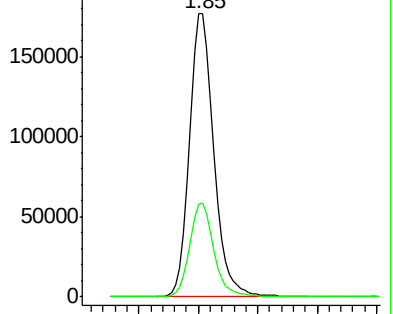
85 100

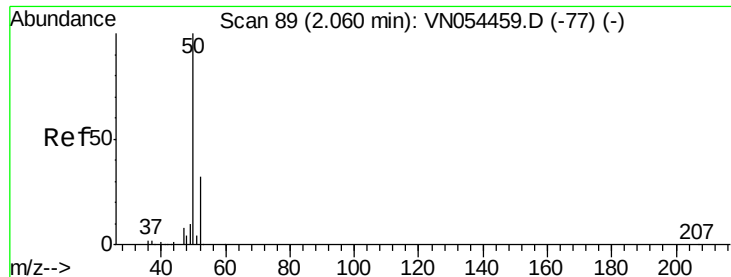
87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.79 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

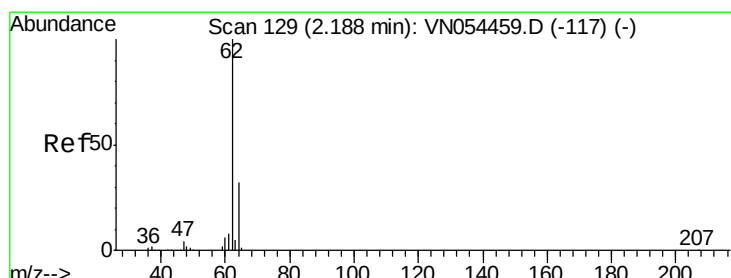
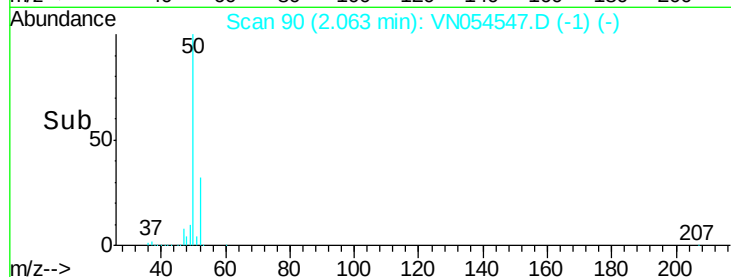
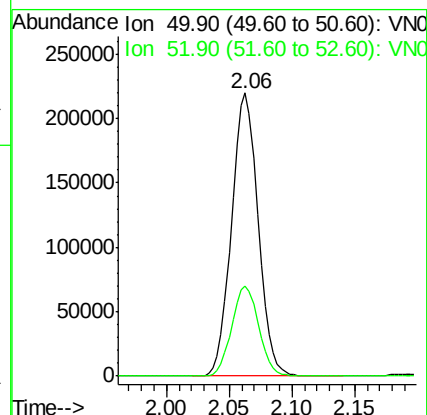
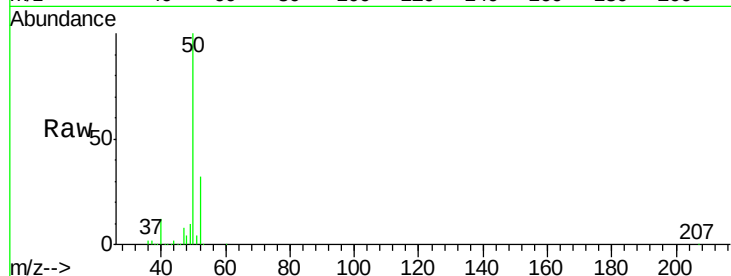
VSTDCCC050

Tot Ion: 50 Resp: 323171

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 46.97 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054547.D

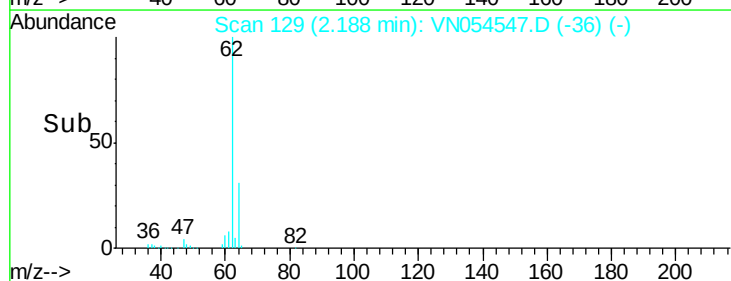
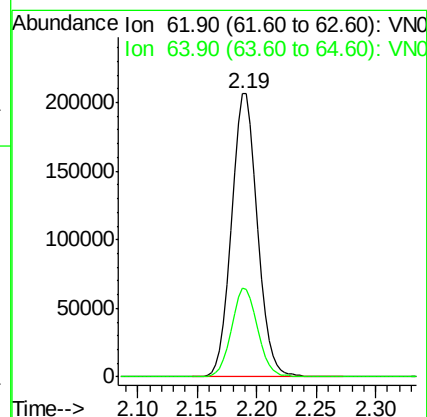
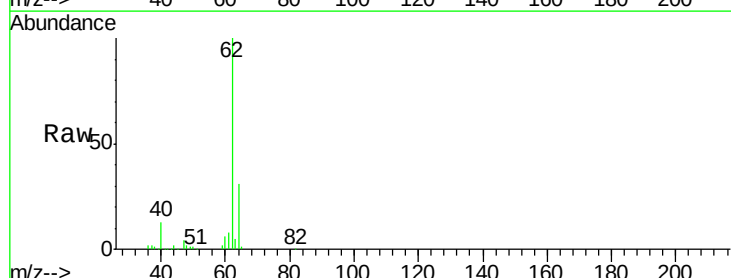
Acq: 22 Mar 2019 10:10

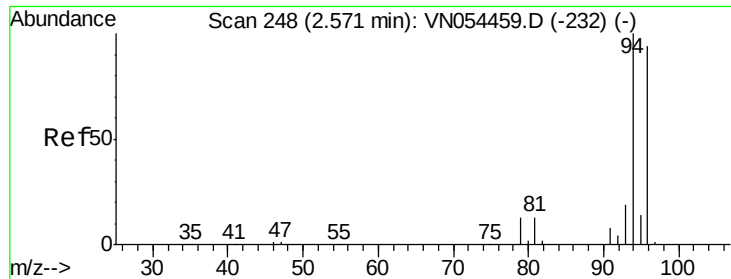
Tgt Ion: 62 Resp: 312356

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3

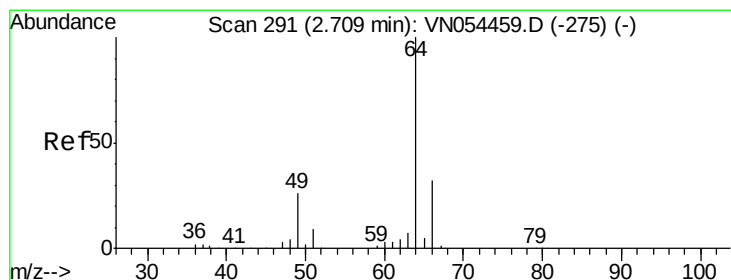
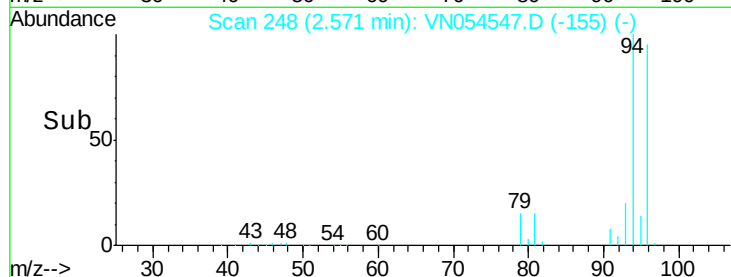
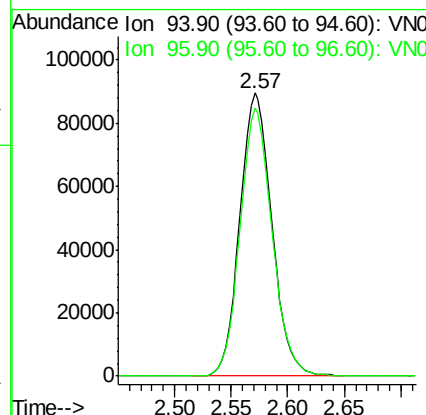
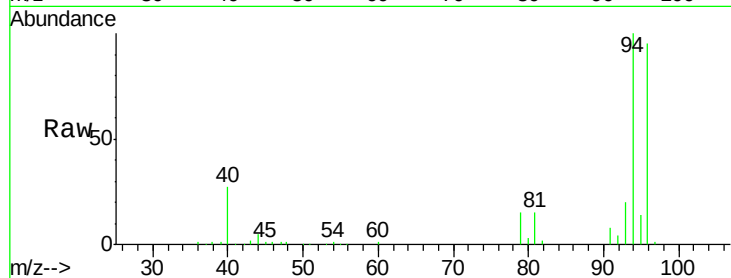




#5
Bromomethane
Concen: 41.22 ug/l
RT: 2.57 min Scan# 248
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

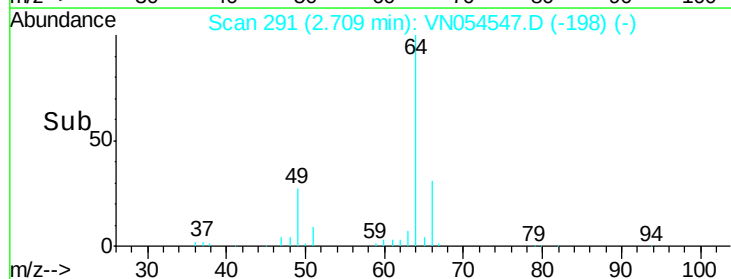
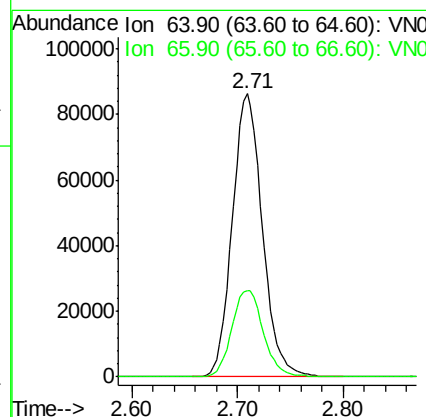
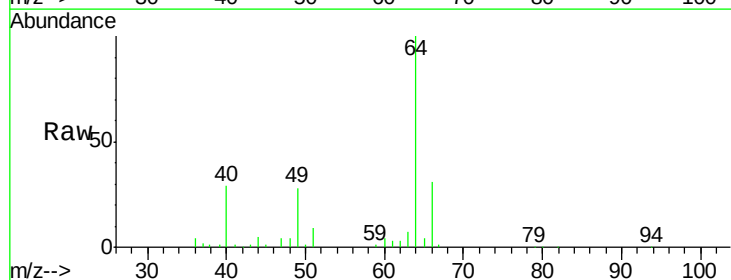
Instrument :
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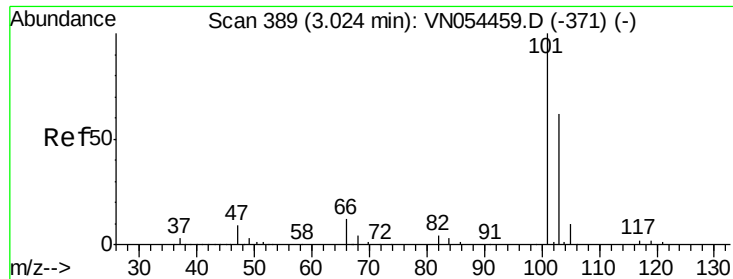
Tot Ion: 94 Resp: 177220
Ion Ratio Lower Upper
94 100
96 94.8 77.0 115.4



#6
Chloroethane
Concen: 42.65 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 64 Resp: 170124
Ion Ratio Lower Upper
64 100
66 30.7 25.7 38.5





#7

Trichlorofluoromethane

Concen: 47.59 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

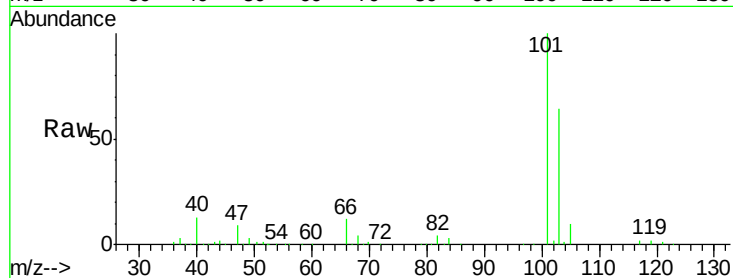
VSTDCCC050

Tot Ion:101 Resp: 384330

Ion Ratio Lower Upper

101 100

103 64.1 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

200000

150000

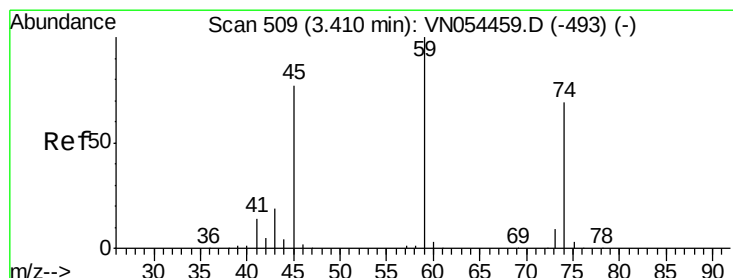
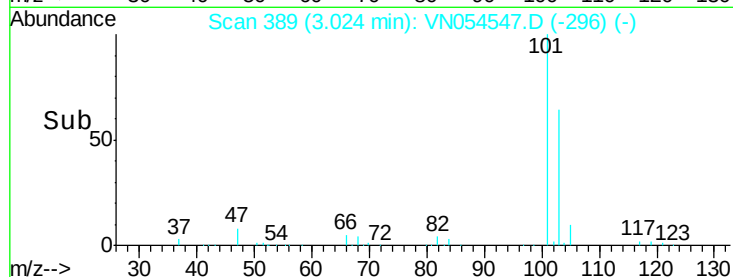
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50000

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Time-->

2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 43.07 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN054547.D

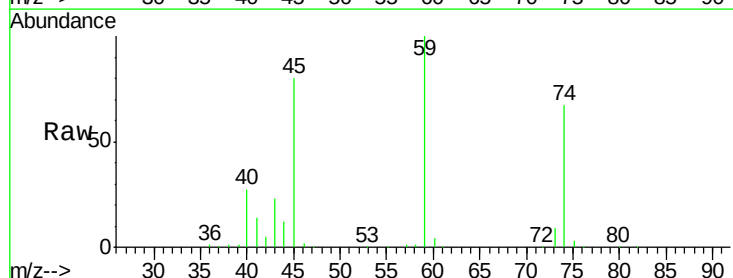
Acq: 22 Mar 2019 10:10

Tgt Ion: 74 Resp: 133767

Ion Ratio Lower Upper

74 100

45 112.4 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

80000

60000

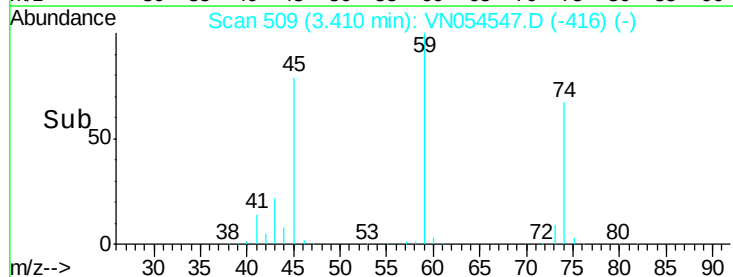
40000

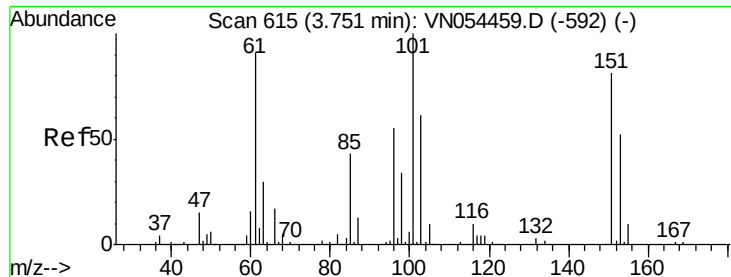
20000

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Time-->

3.30 3.40 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.84 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

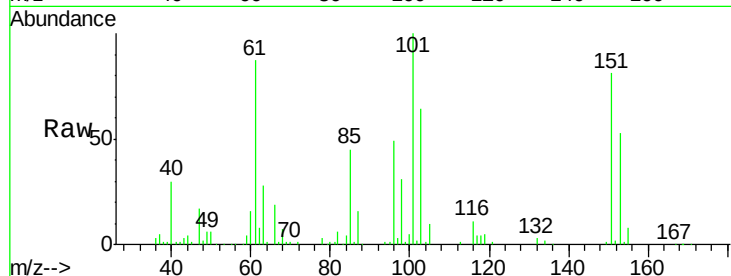
Tot Ion:101 Resp: 212795

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

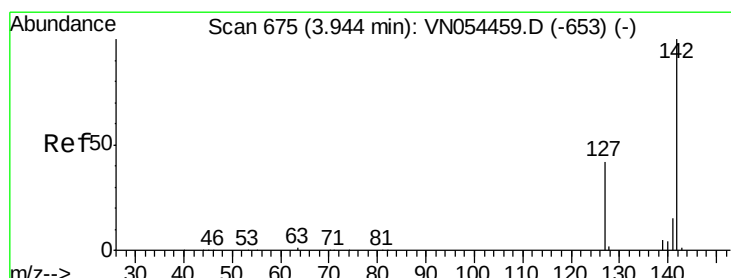
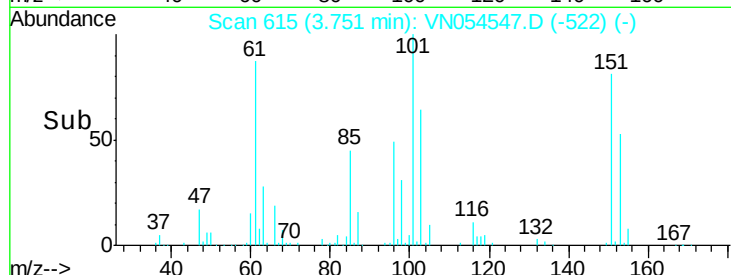
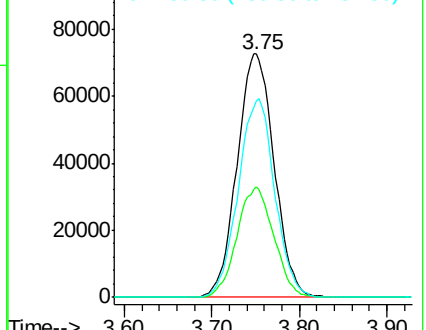
151 80.5 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.04 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

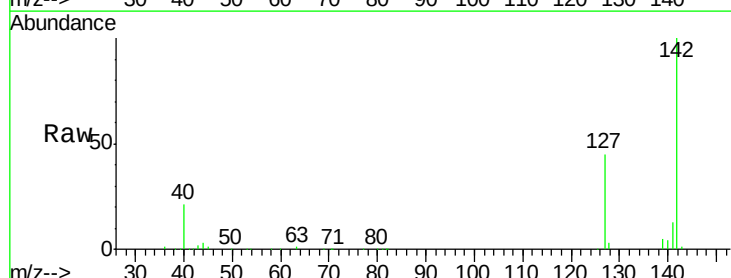
Tgt Ion:142 Resp: 293527

Ion Ratio Lower Upper

142 100

127 44.8 30.3 45.5

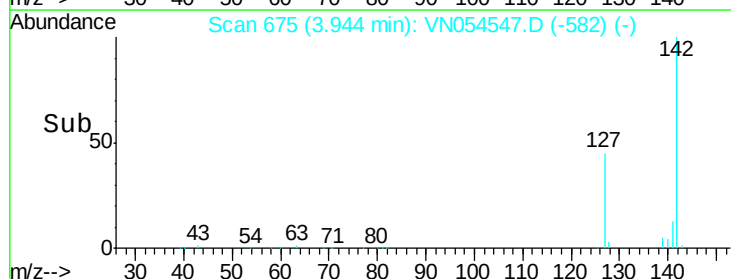
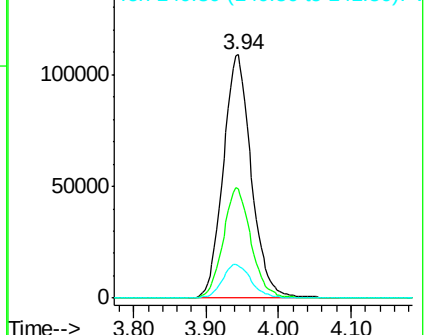
141 14.1 11.2 16.8

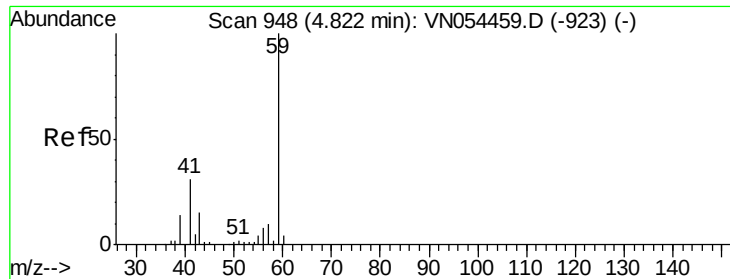


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

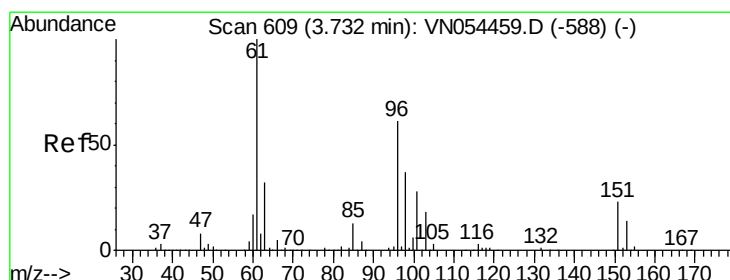
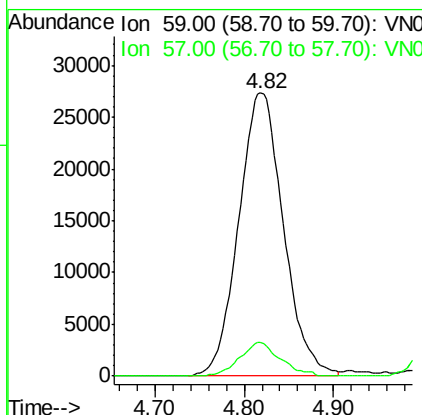
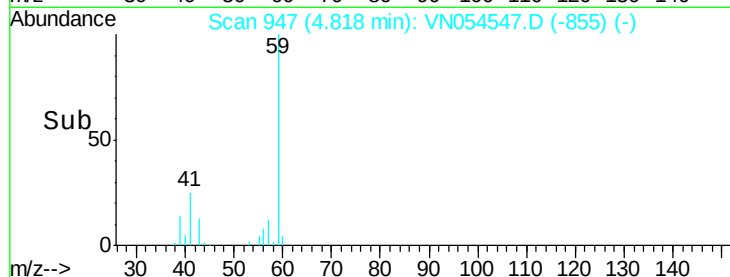
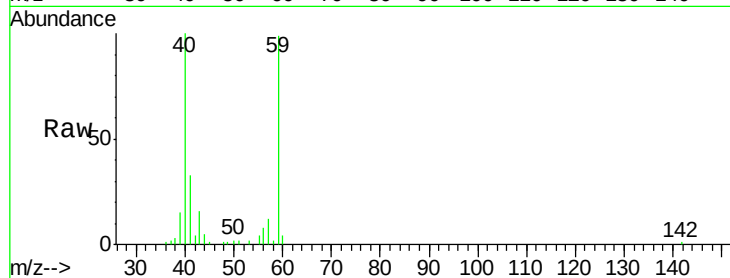




#11
Tert butyl alcohol
Concen: 248.70 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

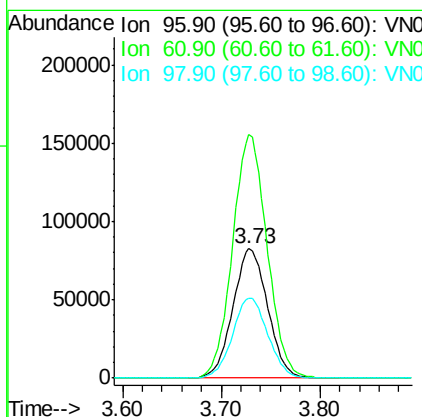
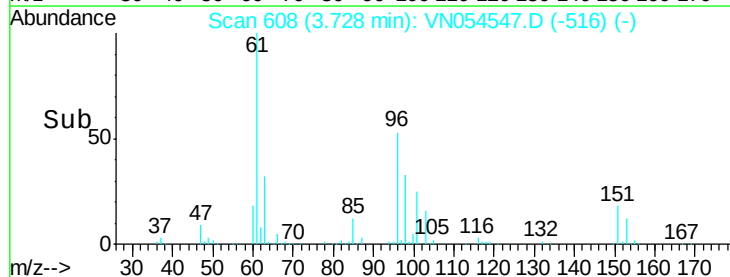
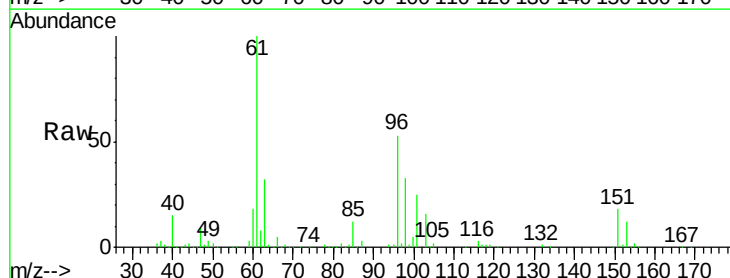
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

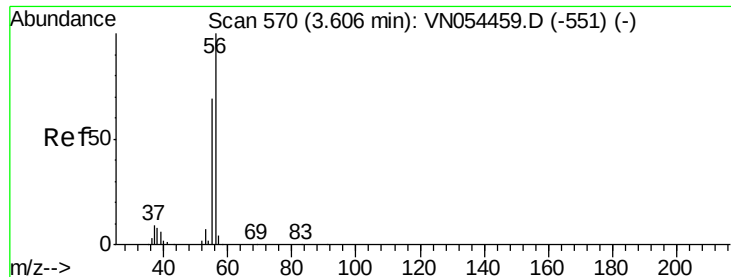
Tot Ion: 59 Resp: 95365
Ion Ratio Lower Upper
59 100
57 10.8 9.0 13.6



#12
1,1-Dichloroethene
Concen: 41.15 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 96 Resp: 202085
Ion Ratio Lower Upper
96 100
61 187.7 116.5 174.7#
98 61.8 51.0 76.4





#13

Acrolein

Concen: 231.54 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

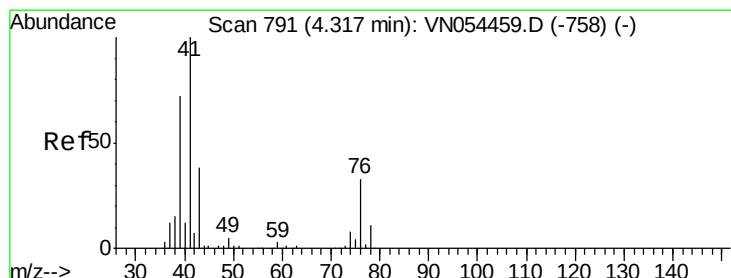
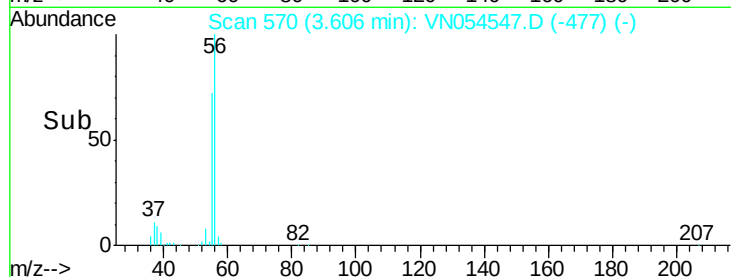
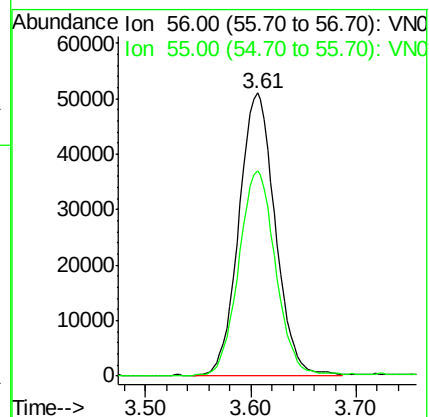
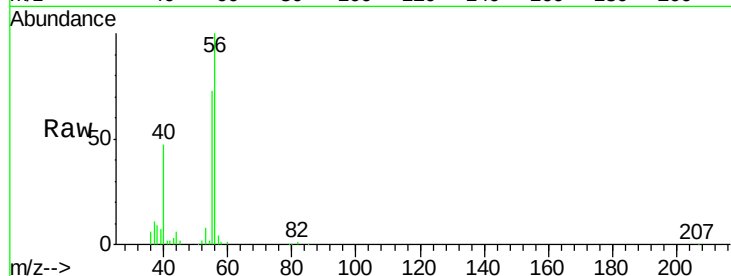
VSTDCCC050

Tot Ion: 56 Resp: 122525

Ion Ratio Lower Upper

56 100

55 73.6 56.7 85.1



#14

Allyl chloride

Concen: 50.86 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

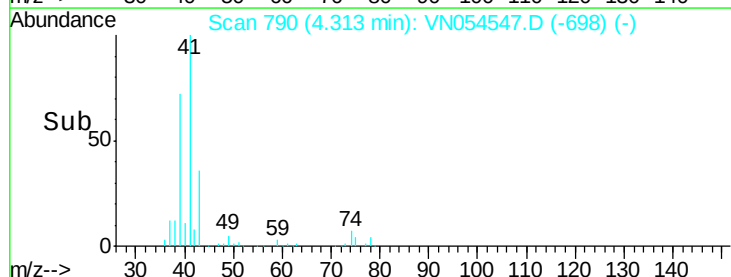
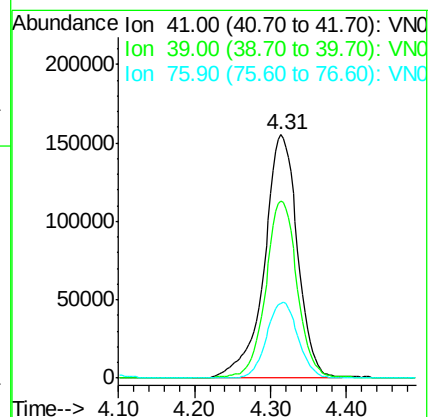
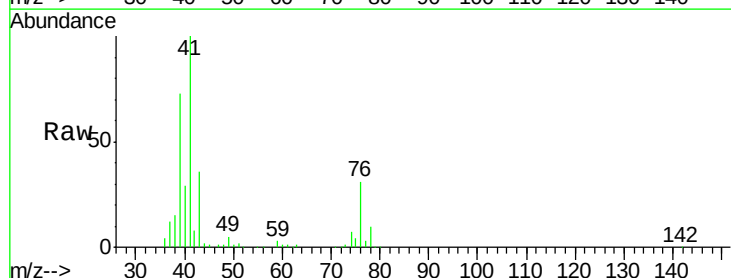
Tgt Ion: 41 Resp: 470377

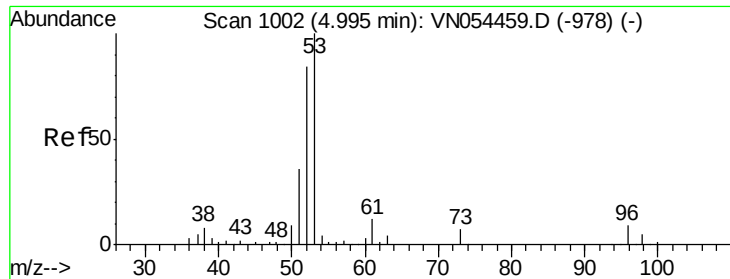
Ion Ratio Lower Upper

41 100

39 68.2 58.2 87.4

76 29.2 31.7 47.5#

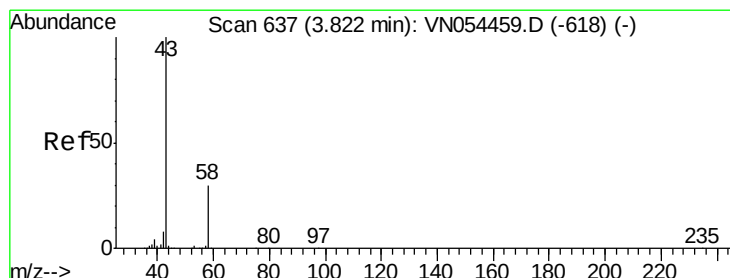
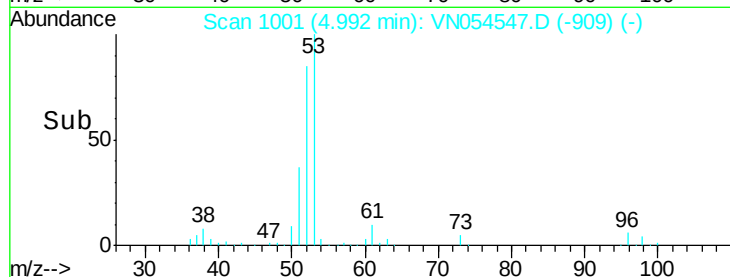
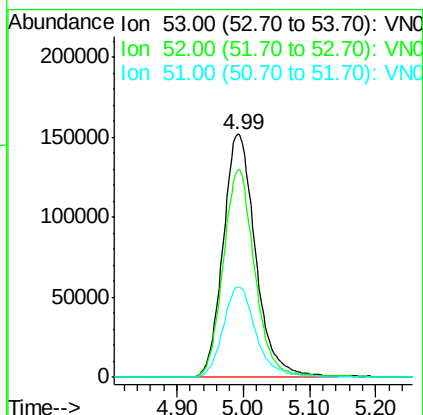
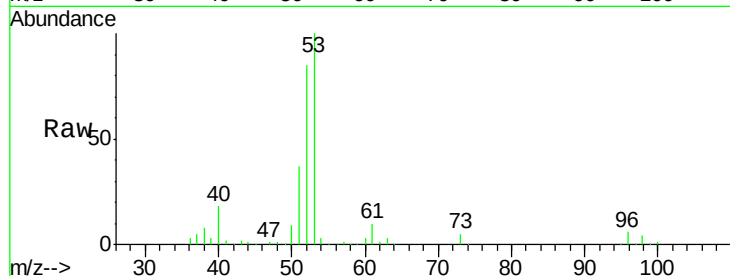




#15
 Acrylonitrile
 Concen: 270.39 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

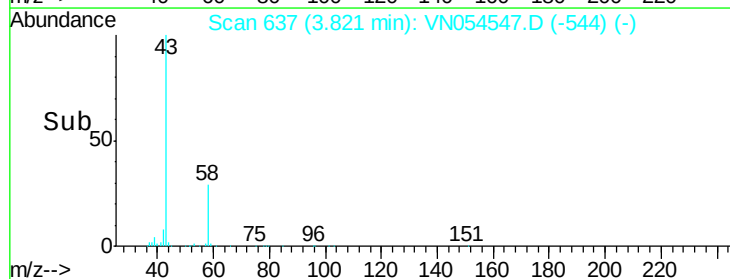
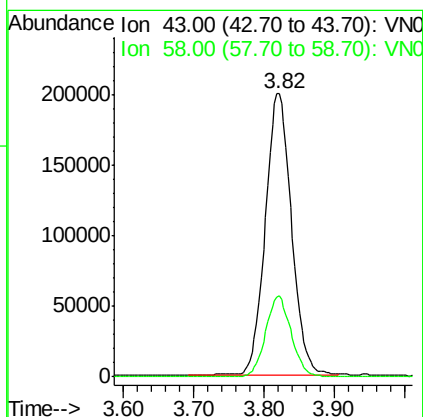
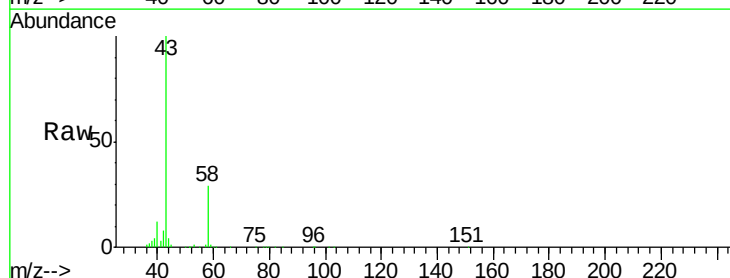
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

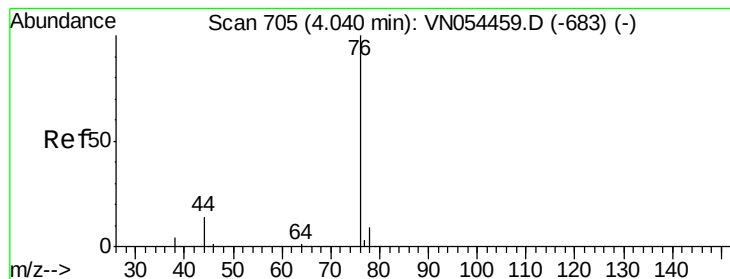
Tot Ion: 53 Resp: 516335
 Ion Ratio Lower Upper
 53 100
 52 82.9 66.4 99.6
 51 37.9 29.6 44.4



#16
 Acetone
 Concen: 274.96 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion: 43 Resp: 523581
 Ion Ratio Lower Upper
 43 100
 58 28.5 29.9 44.9#





#17

Carbon Disulfide

Concen: 45.80 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

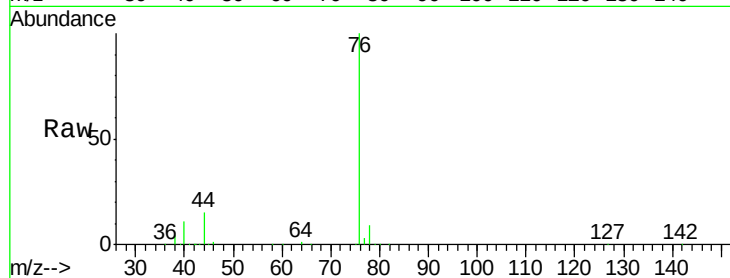
VSTDCCC050

Tot Ion: 76 Resp: 602667

Ion Ratio Lower Upper

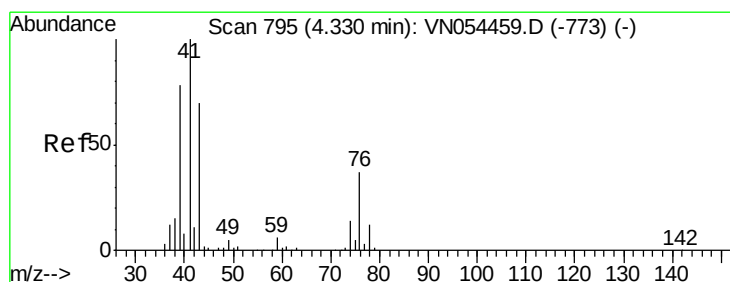
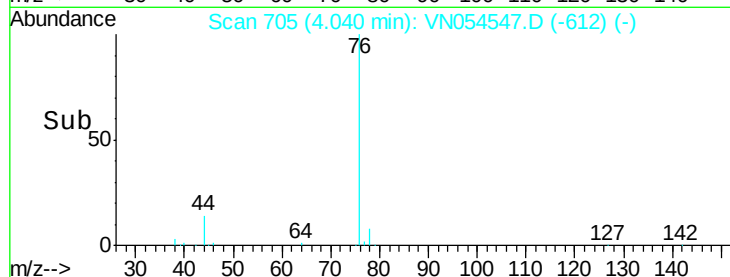
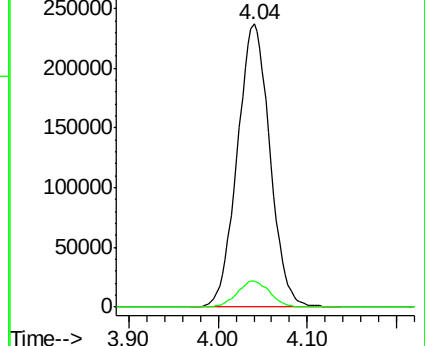
76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 54.60 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054547.D

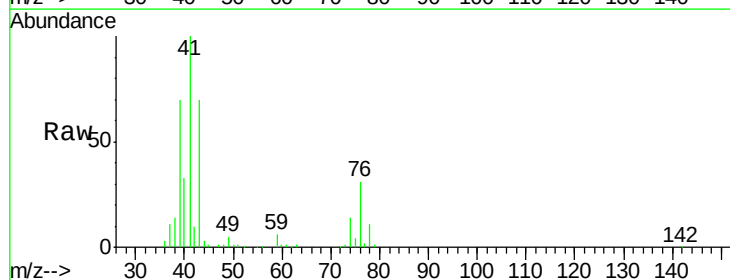
Acq: 22 Mar 2019 10:10

Tgt Ion: 43 Resp: 231744

Ion Ratio Lower Upper

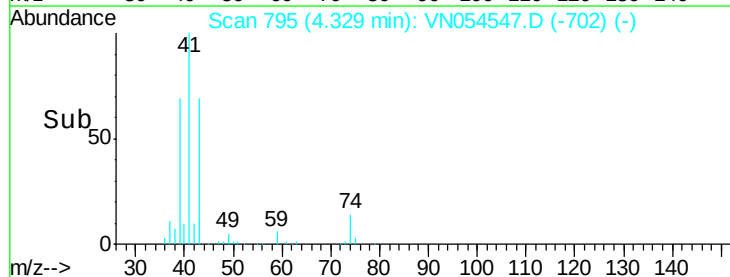
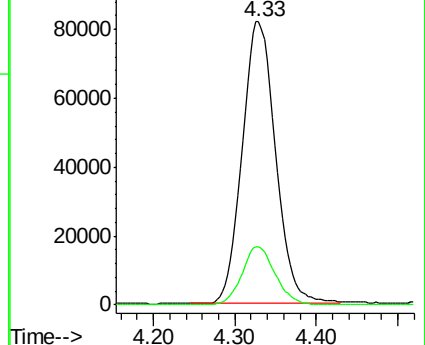
43 100

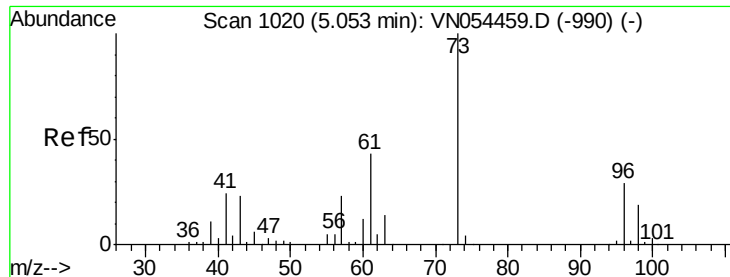
74 20.5 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

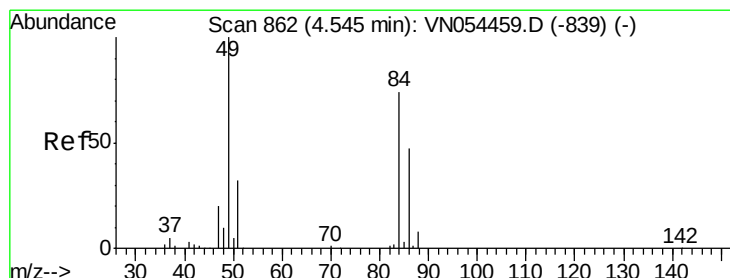
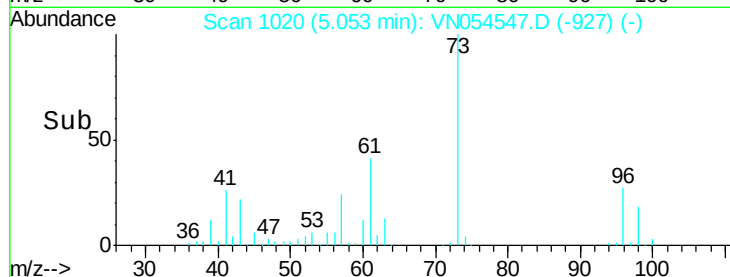
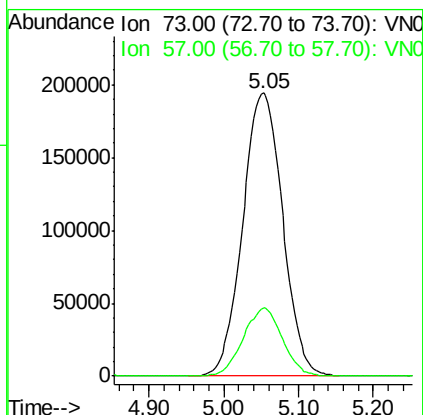
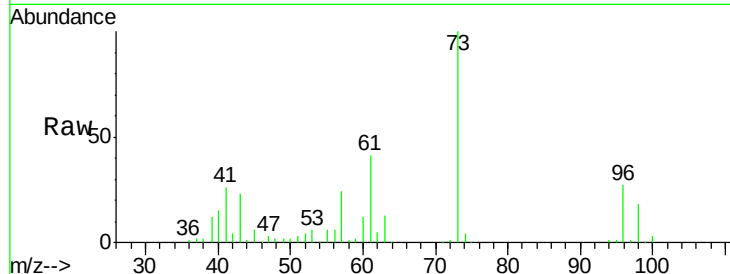




#19
Methyl tert-butyl Ether
Concen: 50.38 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

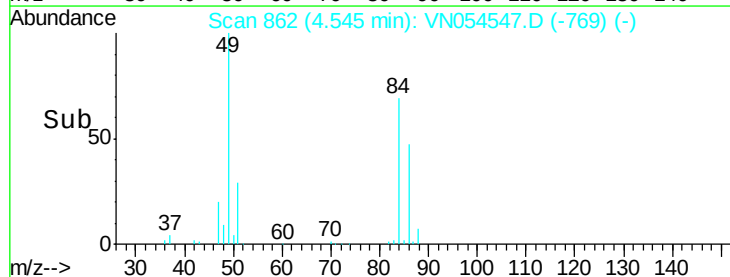
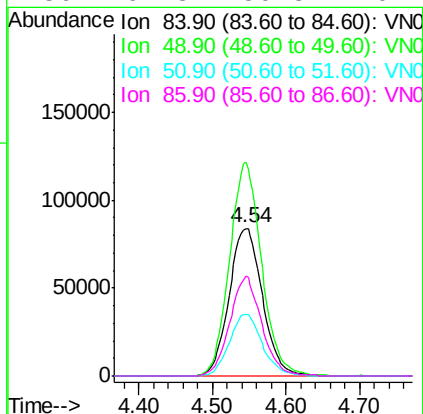
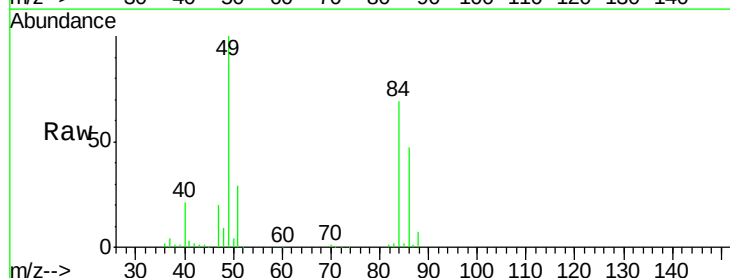
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

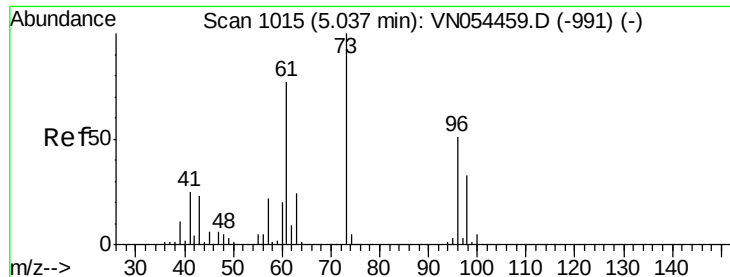
Tot Ion: 73 Resp: 722090
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2



#20
Methylene Chloride
Concen: 47.19 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 84 Resp: 264915
Ion Ratio Lower Upper
84 100
49 144.5 89.7 134.5#
51 41.8 28.2 42.4
86 67.3 50.8 76.2

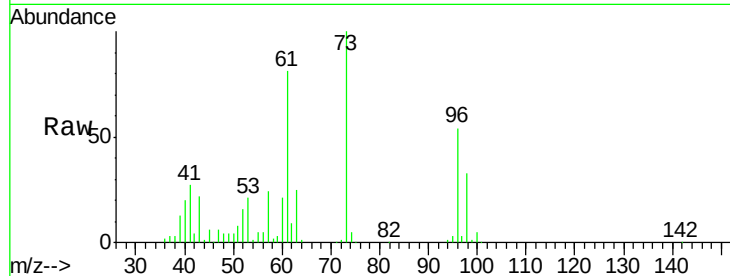




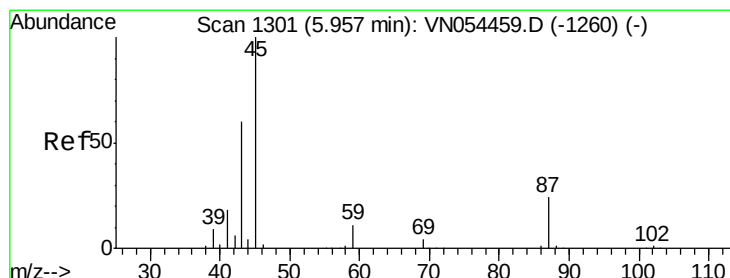
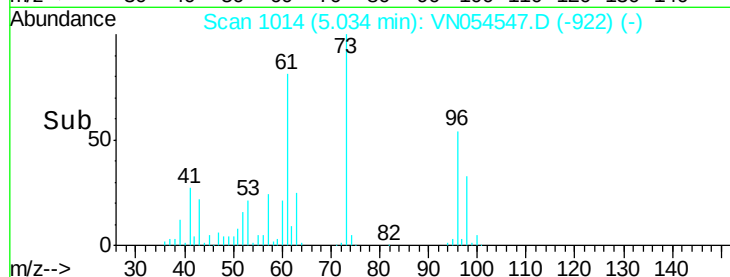
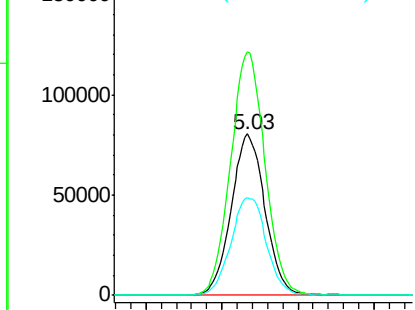
#21
trans-1,2-Dichloroethene
Concen: 49.56 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 248552
Ion Ratio Lower Upper
96 100
61 151.1 102.8 154.2
98 60.5 50.0 75.0

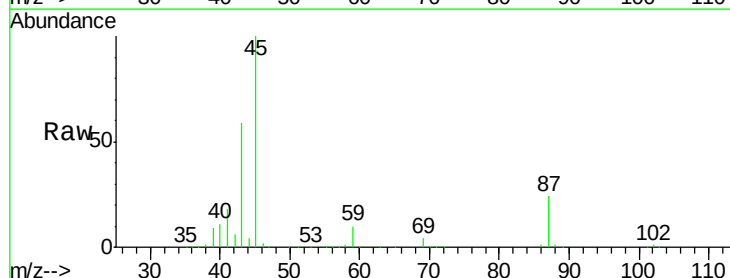


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

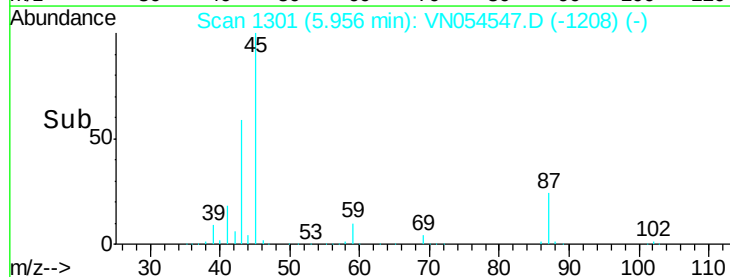
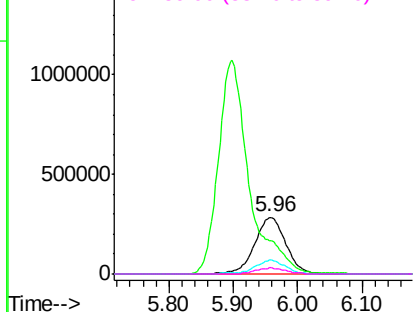


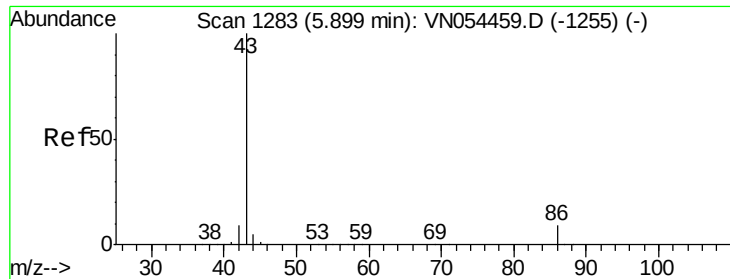
#22
Diisopropyl ether
Concen: 52.29 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 45 Resp: 953846
Ion Ratio Lower Upper
45 100
43 58.7 48.2 72.2
87 24.1 24.9 37.3#
59 10.2 9.5 14.3



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





#23

Vinyl Acetate

Concen: 277.41 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

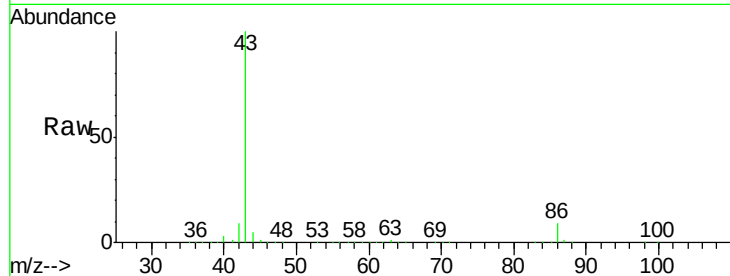
VSTDCCC050

Tot Ion: 43 Resp: 3574222

Ion Ratio Lower Upper

43 100

86 8.7 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1200000

1000000

800000

600000

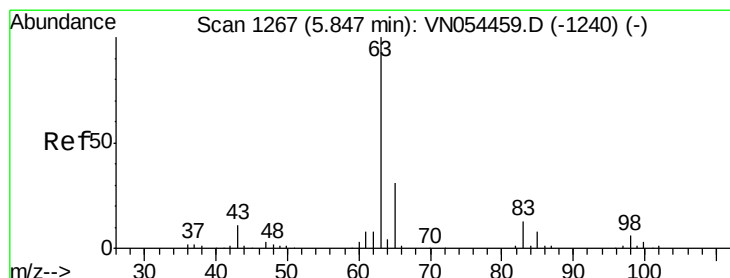
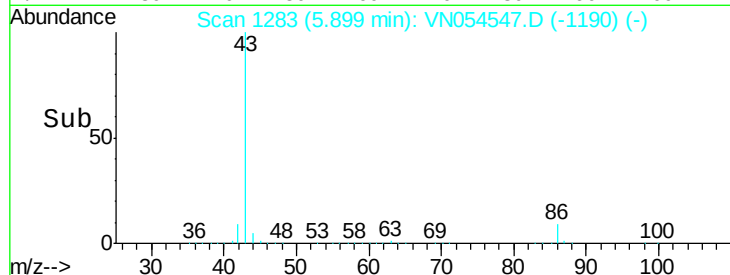
400000

200000

0

Time-->

5.80 6.00 6.20



#24

1,1-Dichloroethane

Concen: 50.99 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

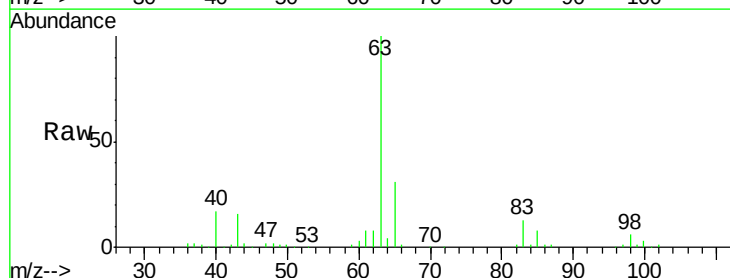
Tgt Ion: 63 Resp: 500848

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 3.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

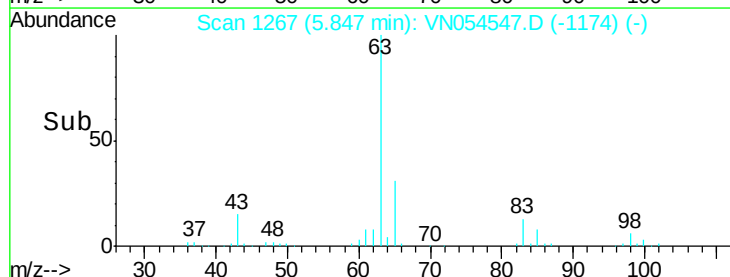
100000

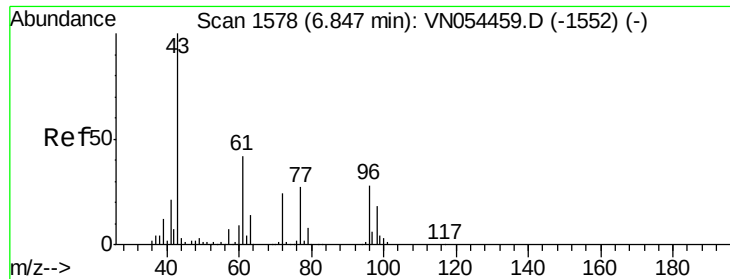
50000

0

Time-->

5.70 5.80 5.90 6.00

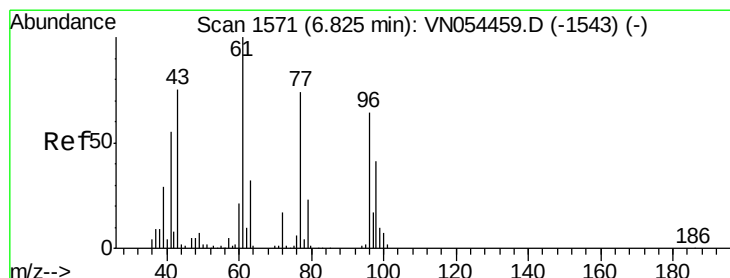
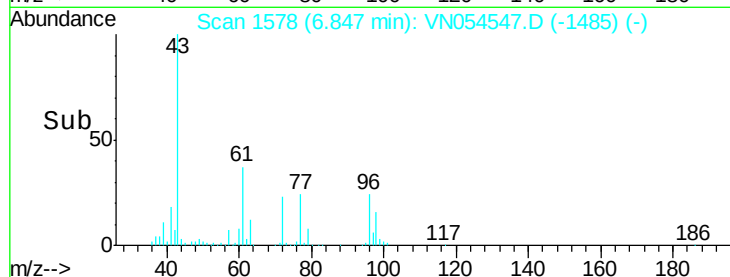
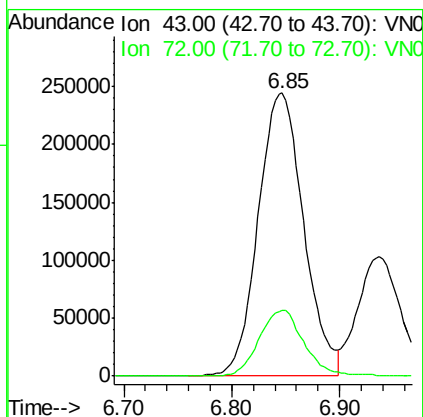
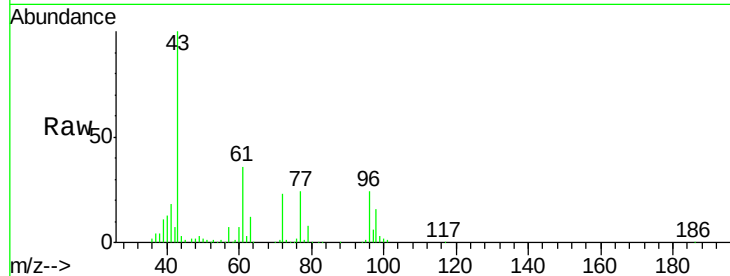




#25
2-Butanone
Concen: 291.33 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

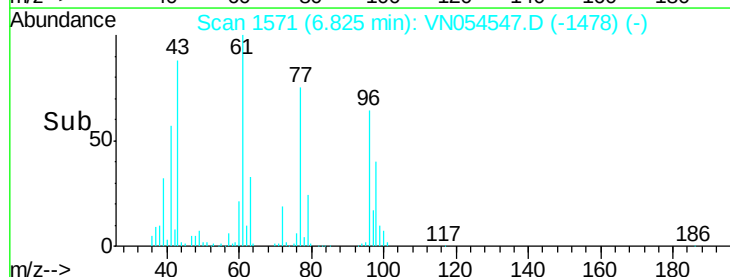
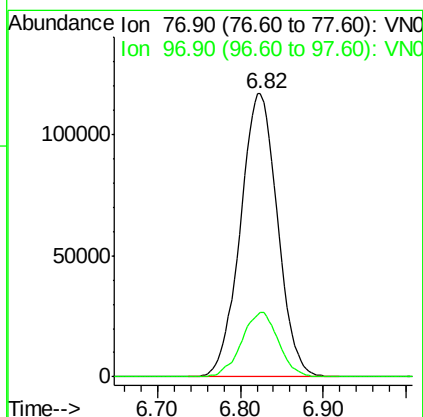
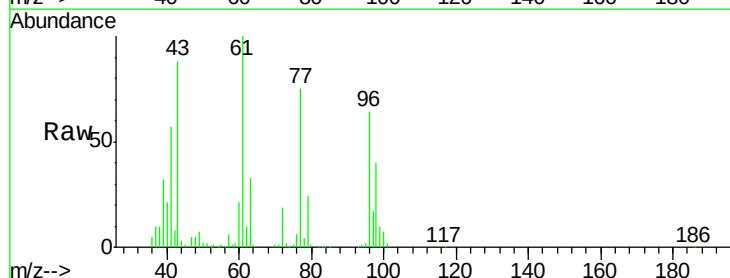
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

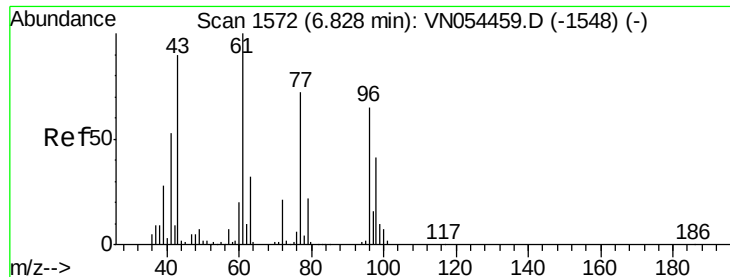
Tot Ion: 43 Resp: 710629
Ion Ratio Lower Upper
43 100
72 23.4 23.0 34.6



#26
2,2-Dichloropropane
Concen: 51.91 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 77 Resp: 363448
Ion Ratio Lower Upper
77 100
97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 47.64 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

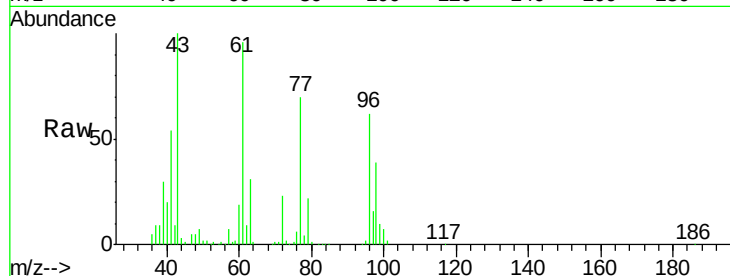
Tot Ion: 96 Resp: 284988

Ion Ratio Lower Upper

96 100

61 160.1 0.0 273.0

98 65.2 0.0 130.6

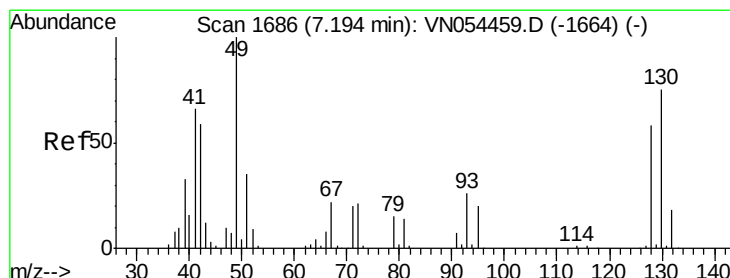
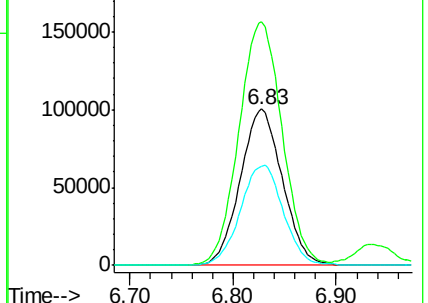
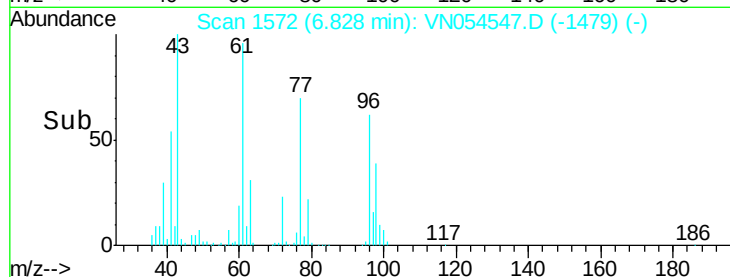


Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-1548) (-)

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: 52.83 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

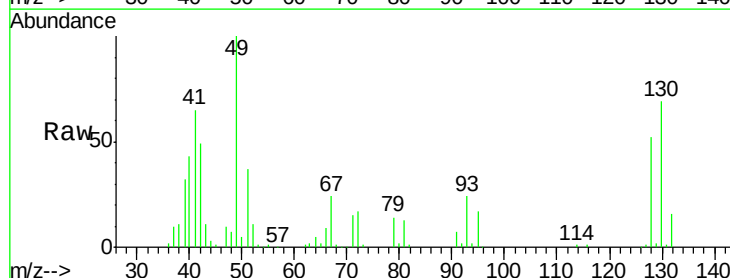
Tgt Ion: 49 Resp: 255400

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.6

130 70.0 76.7 115.1#

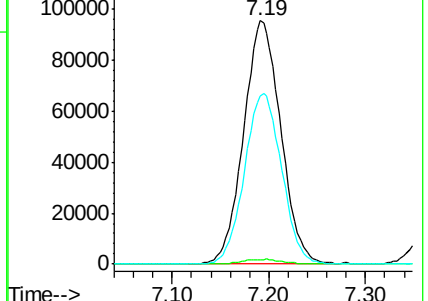
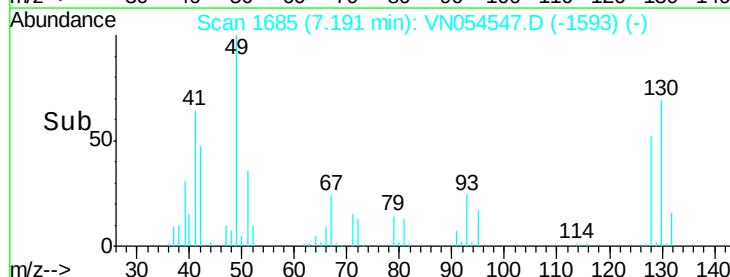


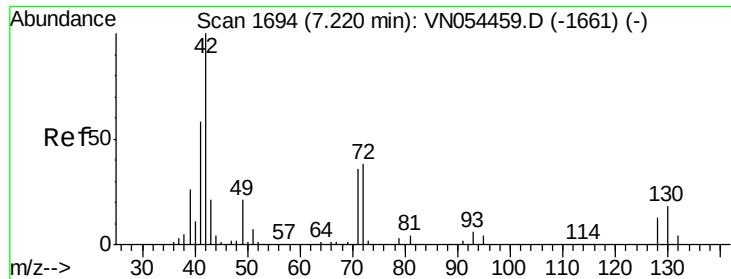
Abundance Ion 48.90 (48.60 to 49.60): VN054459.D (-1664) (-)

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

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

Time-->

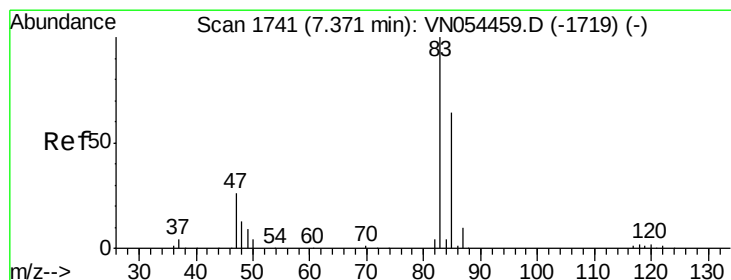
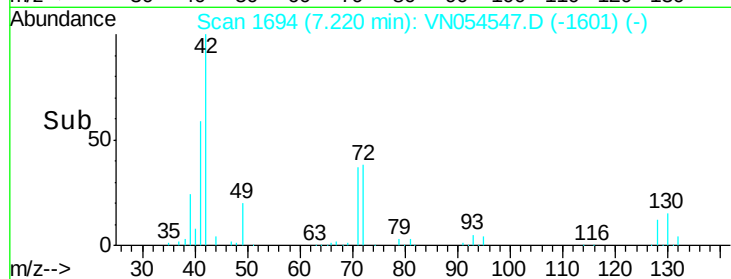
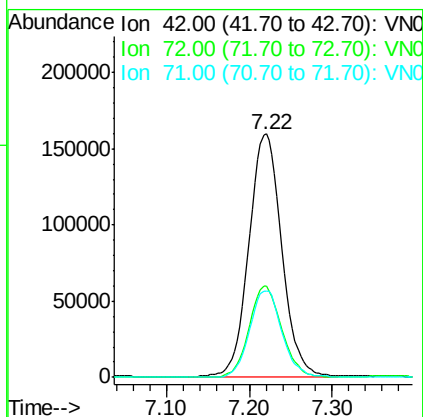
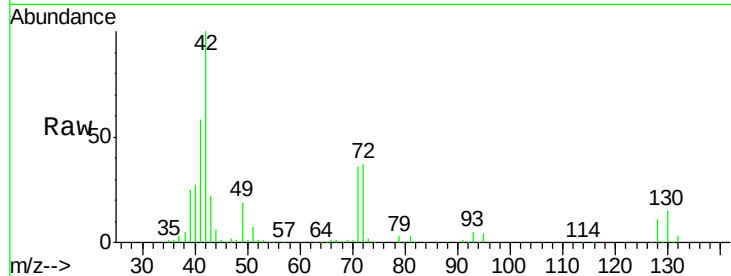




#29
Tetrahydrofuran
Concen: 277.66 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

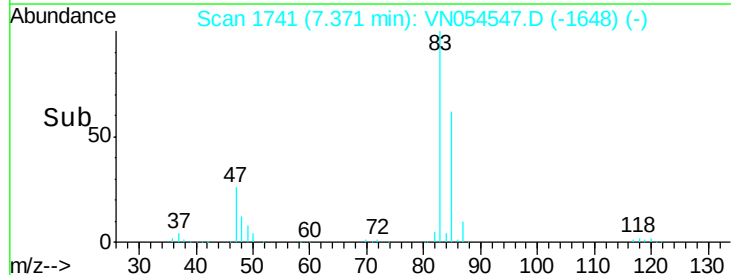
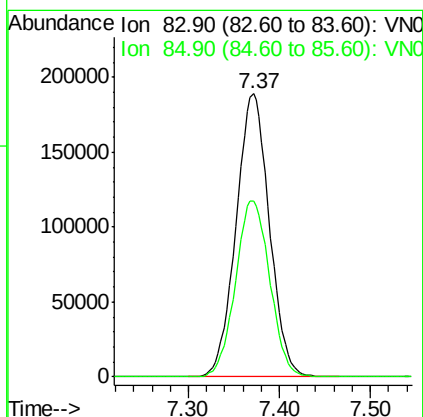
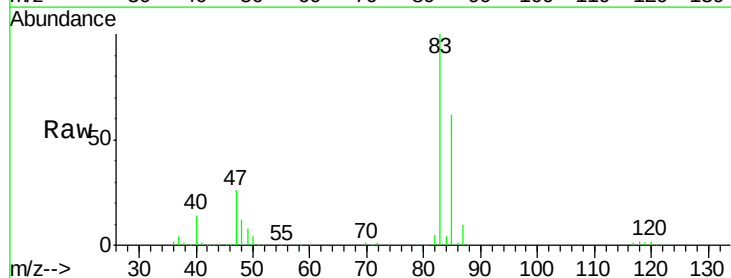
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

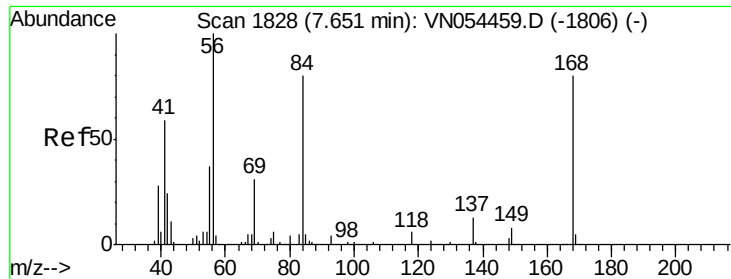
Tot Ion: 42 Resp: 439528
Ion Ratio Lower Upper
42 100
72 37.2 37.8 56.6#
71 35.1 36.2 54.2#



#30
Chloroform
Concen: 50.13 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 83 Resp: 480536
Ion Ratio Lower Upper
83 100
85 62.1 52.2 78.4





#31

Cyclohexane

Concen: 51.28 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

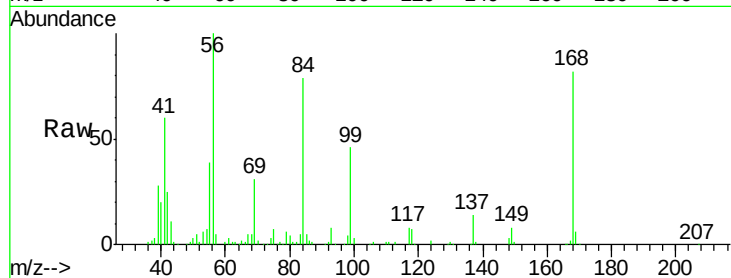
Tot Ion: 56 Resp: 482228

Ion Ratio Lower Upper

56 100

69 31.0 27.8 41.6

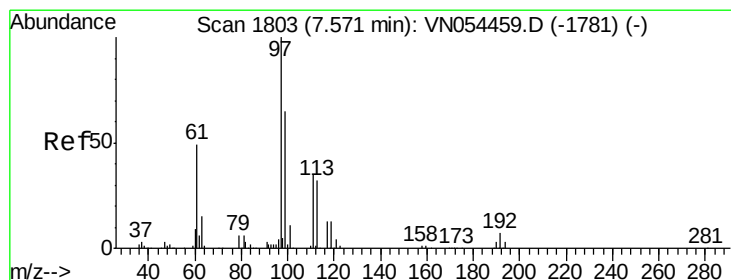
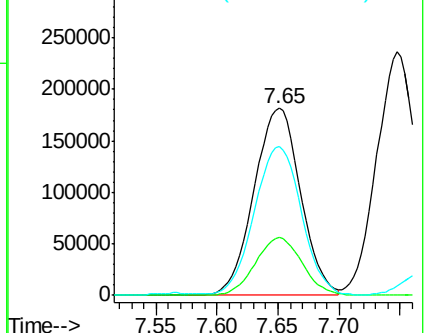
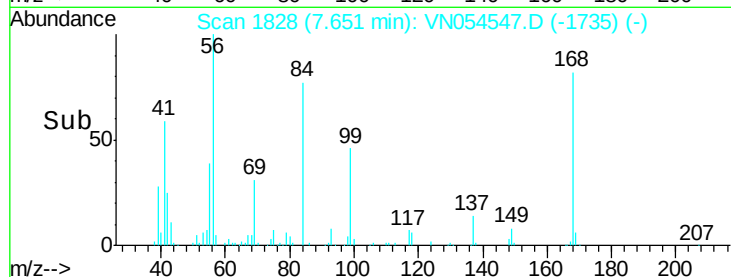
84 78.1 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN054547.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN054547.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN054547.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 50.91 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

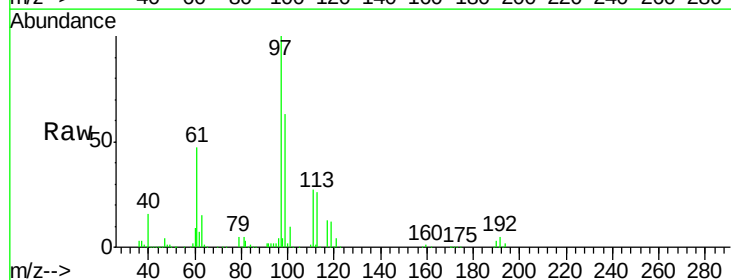
Tgt Ion: 97 Resp: 402597

Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

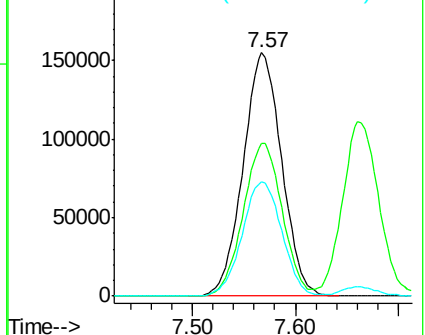
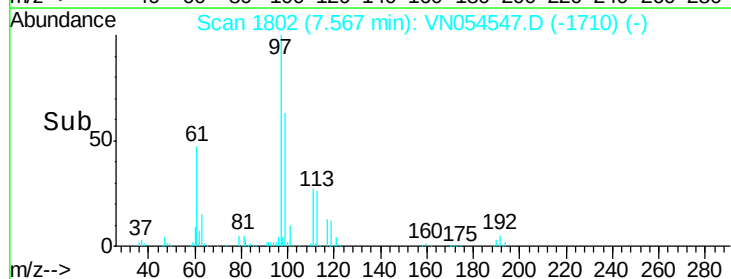
61 48.4 33.6 50.4

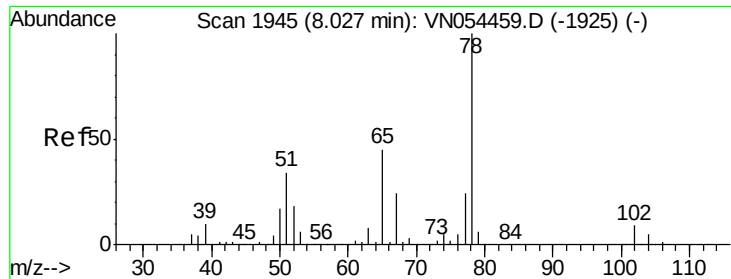


Abundance Ion 96.90 (96.60 to 97.60): VN054547.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN054547.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN054547.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.17 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

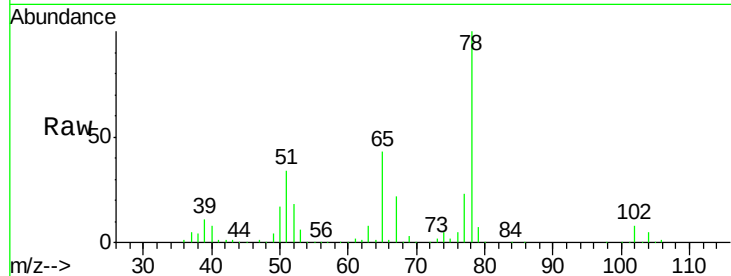
VSTDCCC050

Tot Ion: 65 Resp: 317759

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

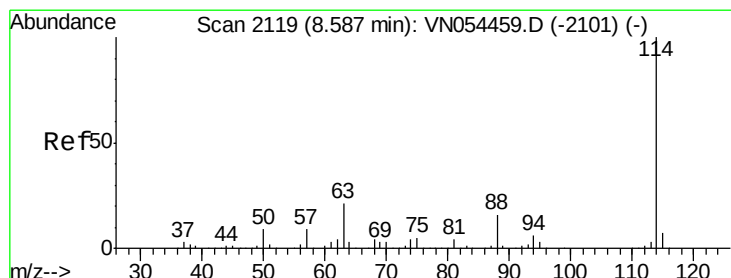
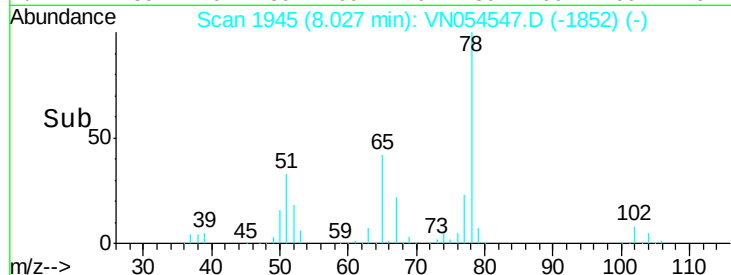
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

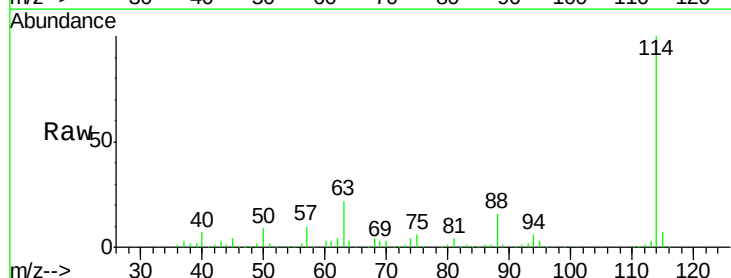
Tgt Ion: 114 Resp: 782371

Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.2

88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.58

500000

400000

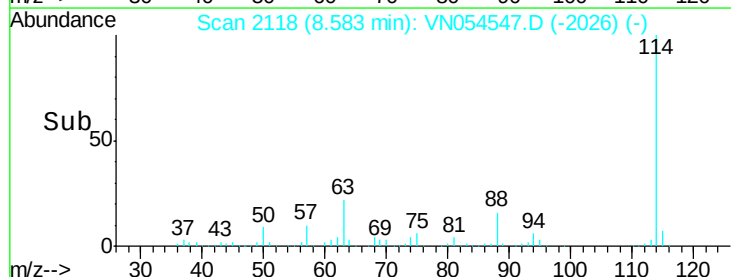
300000

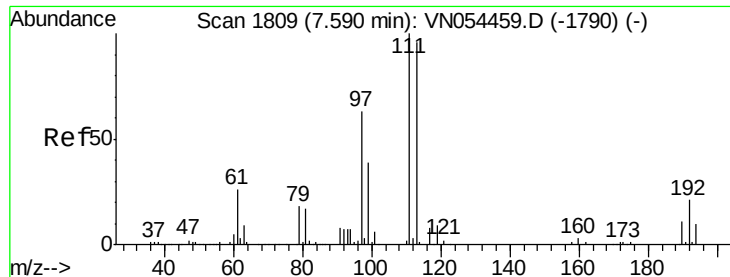
200000

100000

0

Time-->

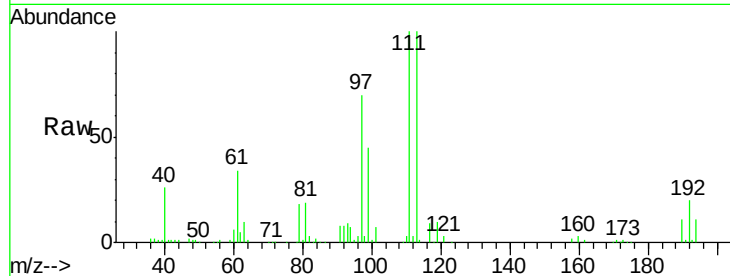




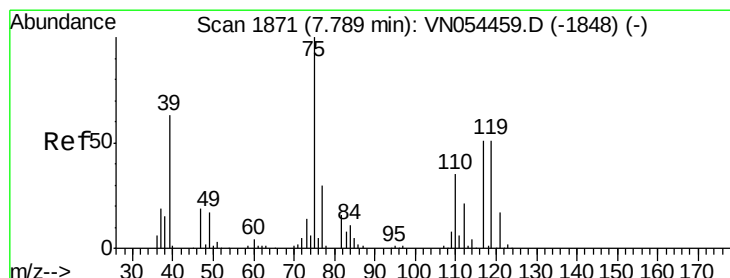
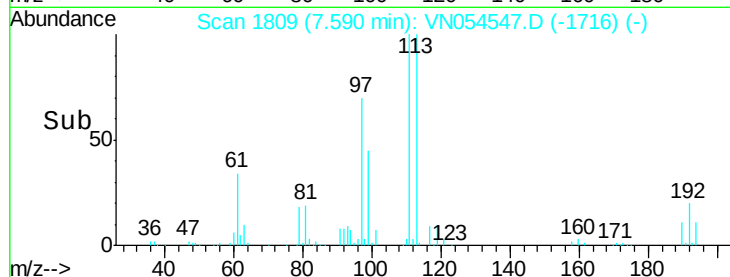
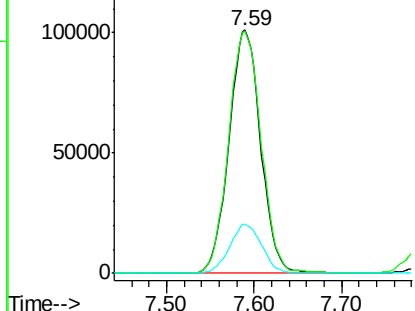
#35
 Dibromofluoromethane
 Concen: 50.43 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 254194
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 20.4 19.2 28.8

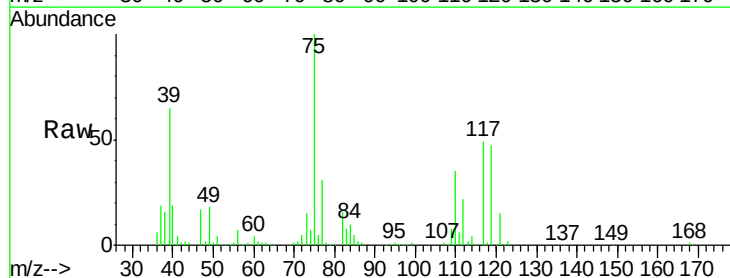


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

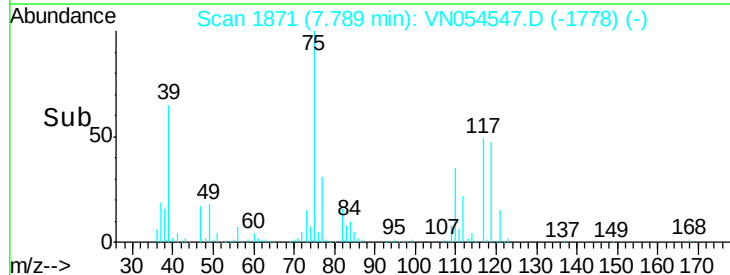
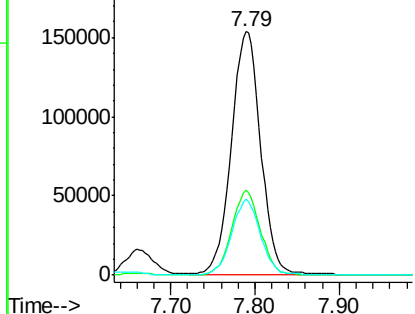


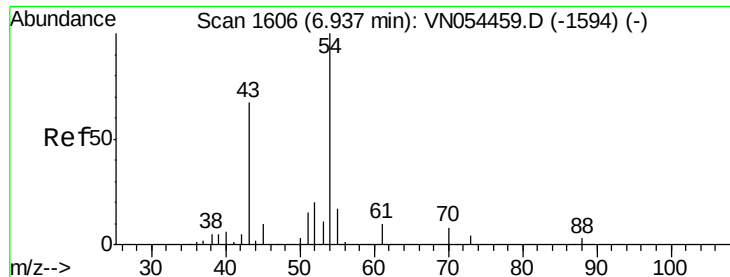
#36
 1,1-Dichloropropene
 Concen: 50.86 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion: 75 Resp: 372067
 Ion Ratio Lower Upper
 75 100
 110 34.0 19.1 57.5
 77 30.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

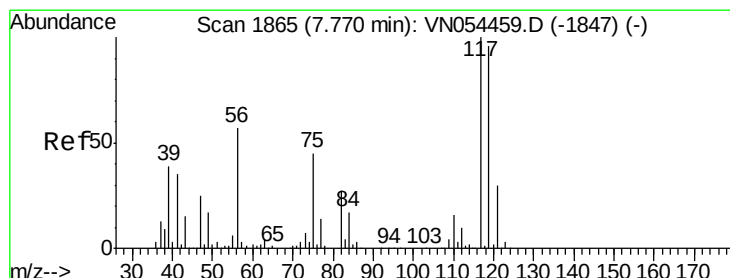
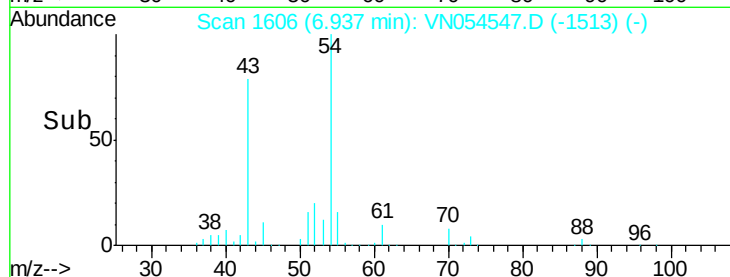
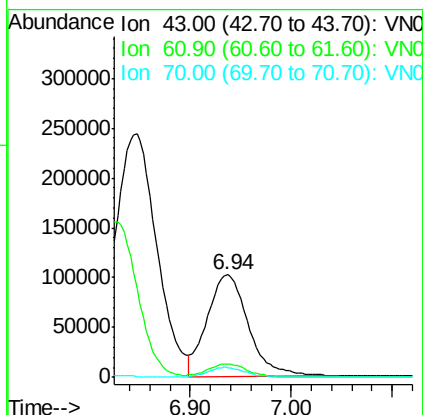
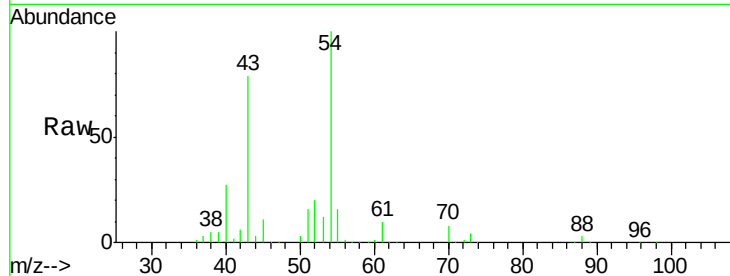




#37
Ethyl Acetate
Concen: 55.73 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

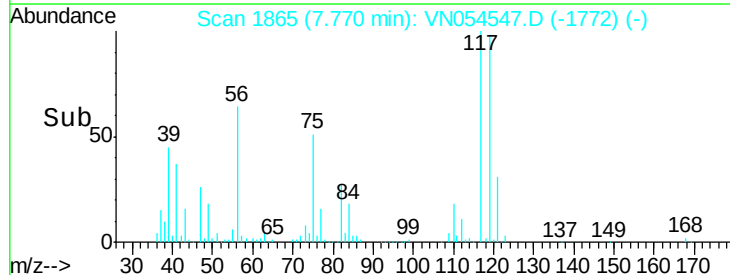
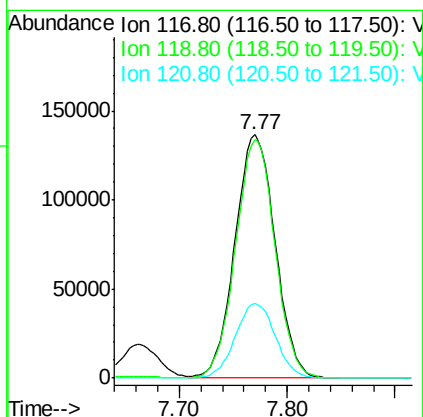
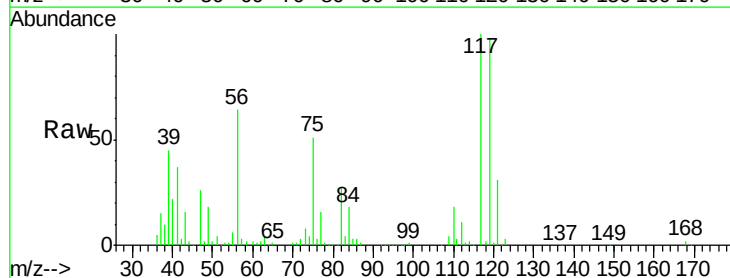
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

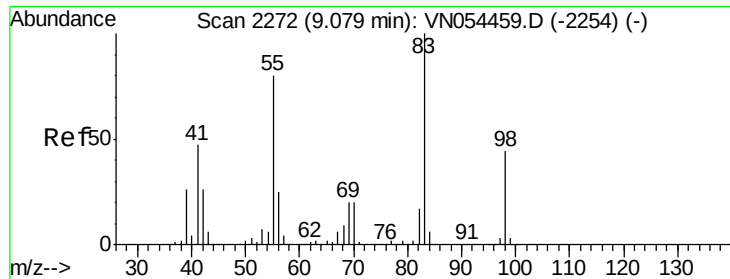
Tot Ion: 43 Resp: 289963
Ion Ratio Lower Upper
43 100
61 12.6 11.8 17.6
70 9.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.46 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 117 Resp: 351625
Ion Ratio Lower Upper
117 100
119 98.1 76.3 114.5
121 30.6 24.6 36.8

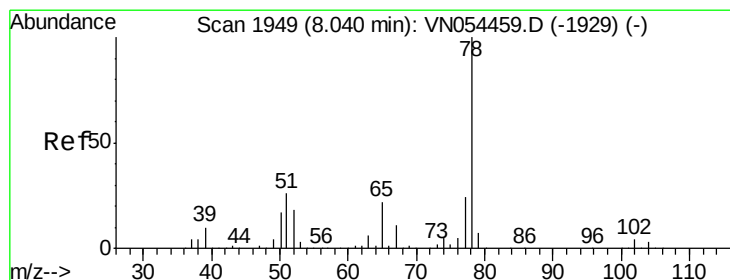
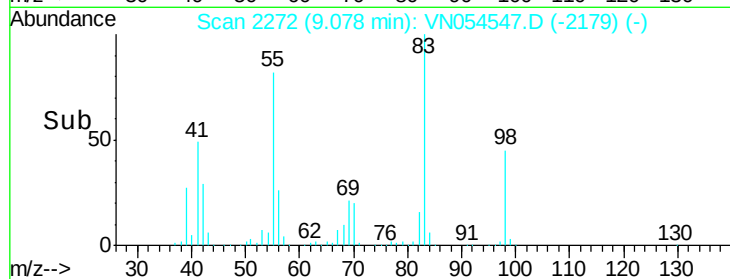
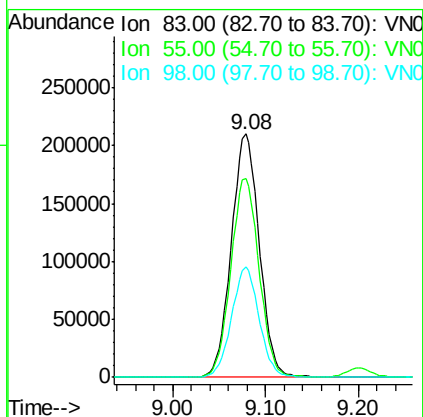
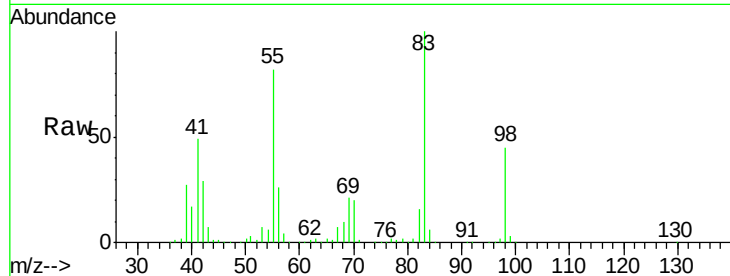




#39
Methylvlcyclohexane
Concen: 52.64 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

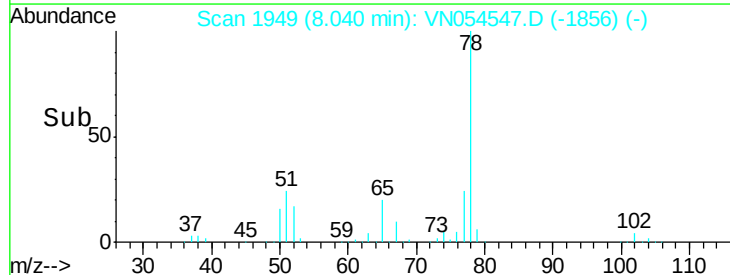
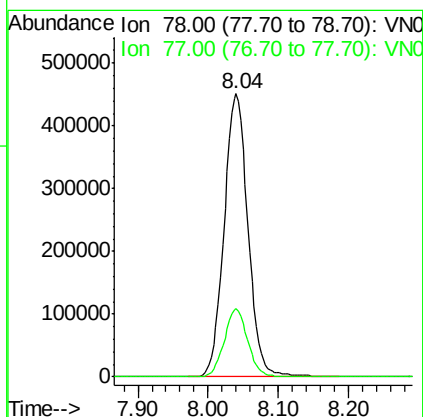
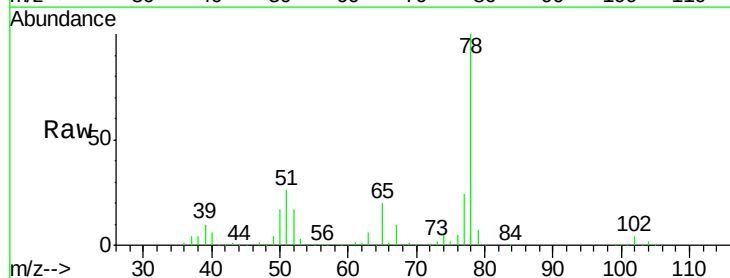
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

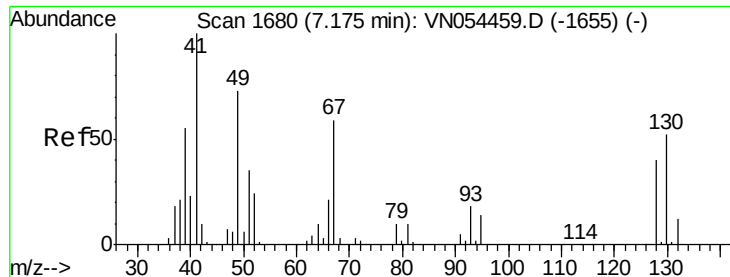
Tot Ion: 83 Resp: 440487
Ion Ratio Lower Upper
83 100
55 81.8 56.6 84.8
98 45.5 38.4 57.6



#40
Benzene
Concen: 51.14 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 78 Resp: 1069710
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

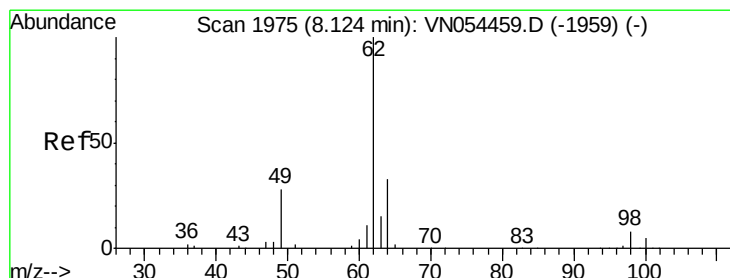
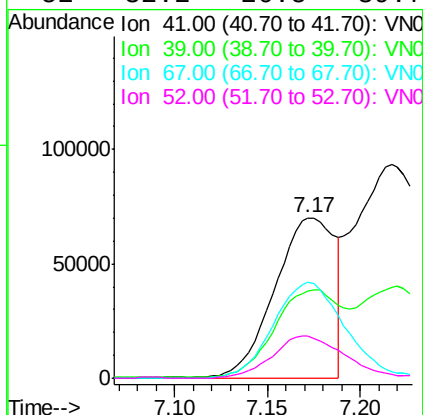
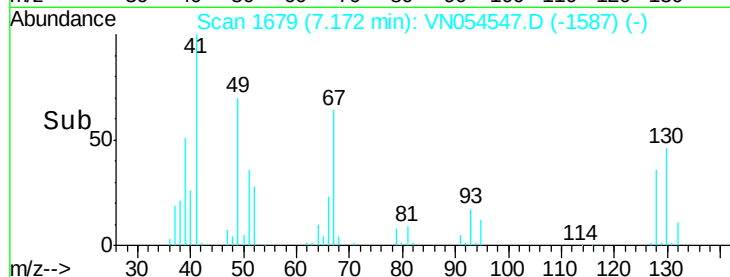
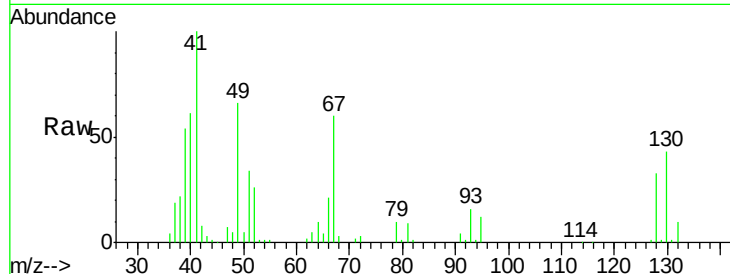




#41
Methacrylonitrile
Concen: 49.61 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

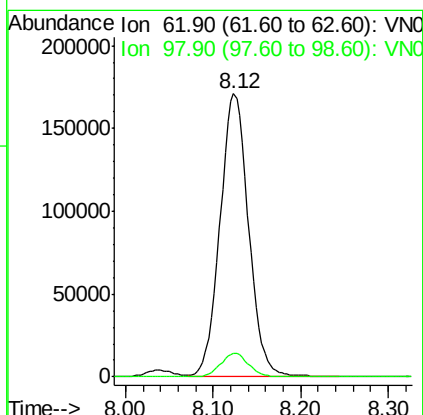
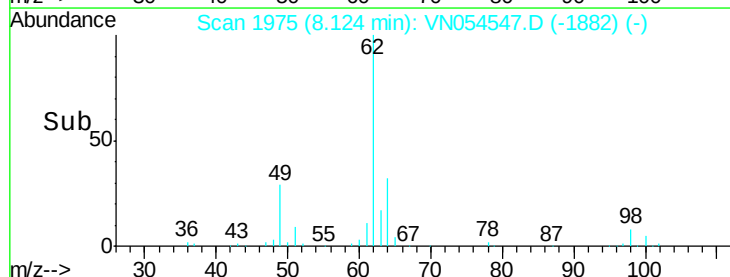
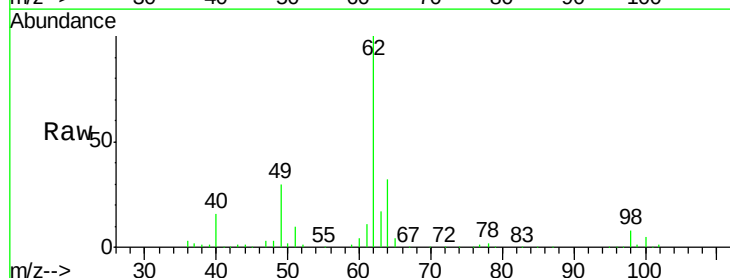
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

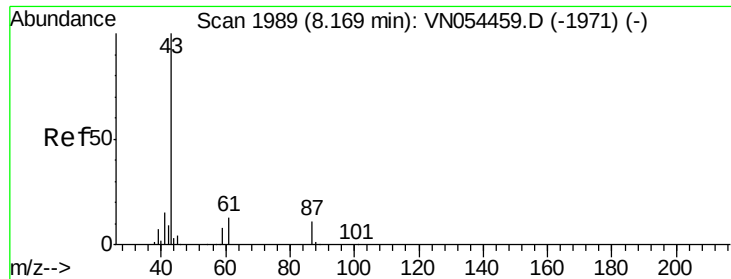
Tot Ion: 41 Resp: 157405
Ion Ratio Lower Upper
41 100
39 62.3 46.8 70.2
67 72.7 67.0 100.4
52 32.2 26.5 39.7



#42
1,2-Dichloroethane
Concen: 50.95 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 62 Resp: 388098
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4

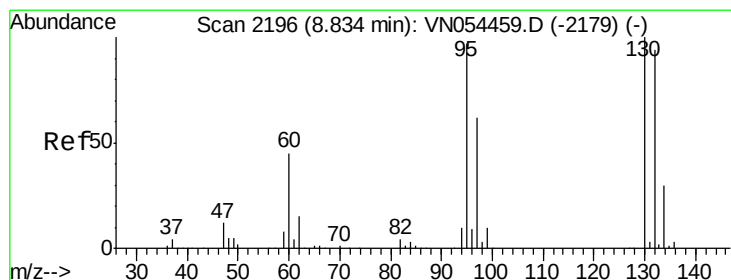
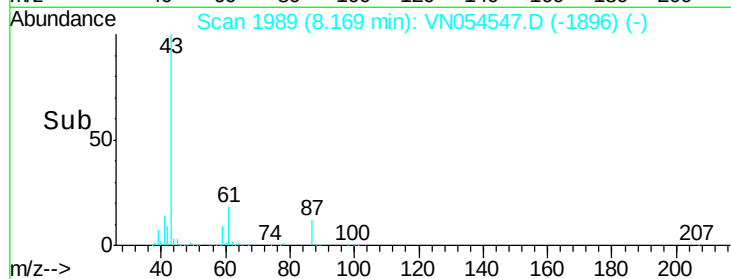
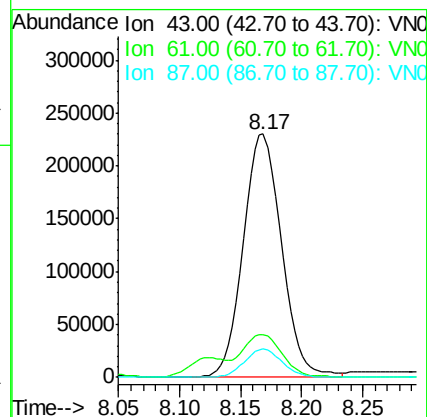
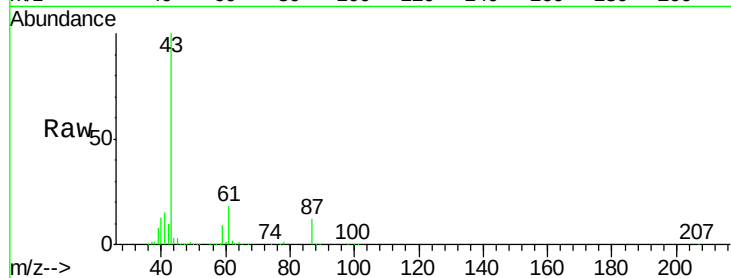




#43
Isopropyl Acetate
Concen: 56.77 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

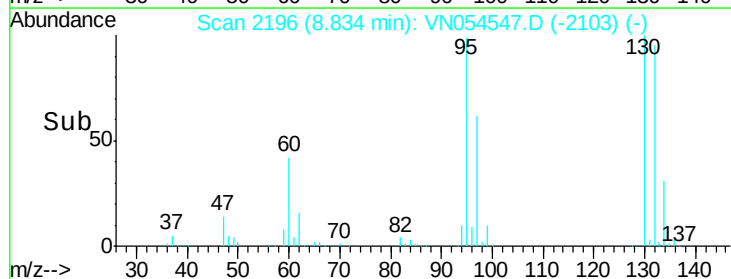
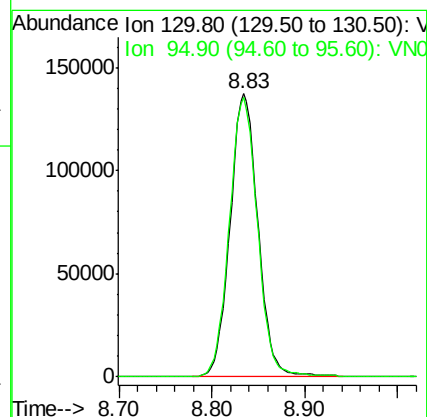
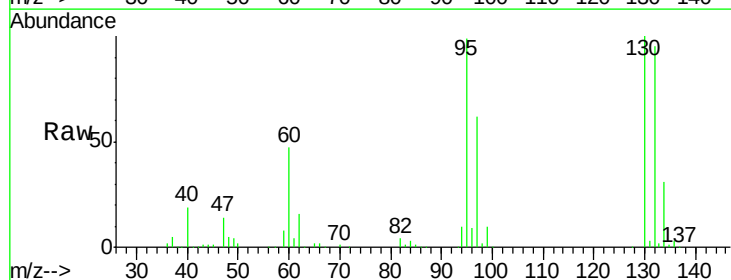
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

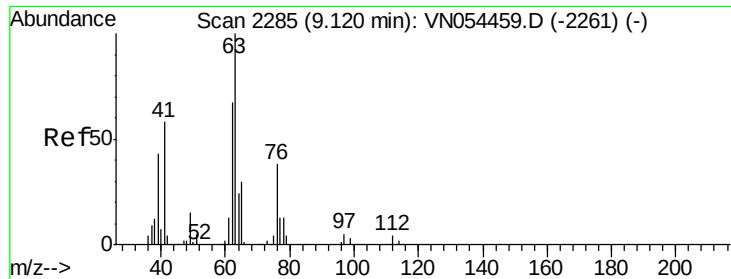
Tot Ion: 43 Resp: 498829
Ion Ratio Lower Upper
43 100
61 17.7 15.8 23.8
87 11.6 12.0 18.0#



#44
Trichloroethene
Concen: 49.38 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion:130 Resp: 287184
Ion Ratio Lower Upper
130 100
95 98.6 0.0 185.2

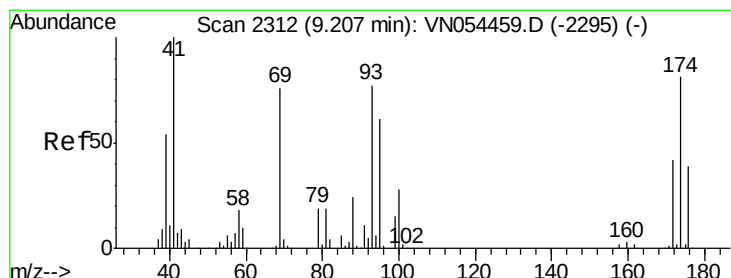
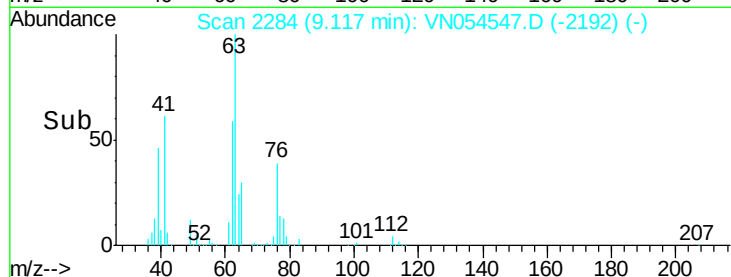
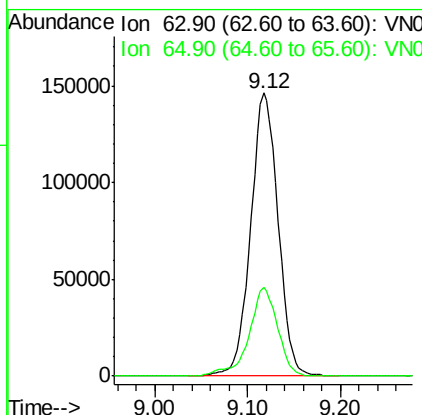
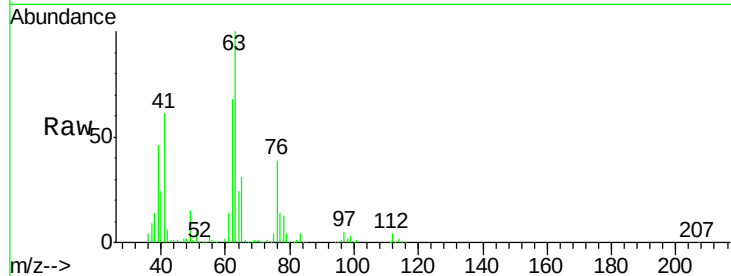




#45
 1,2-Dichloropropane
 Concen: 53.60 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

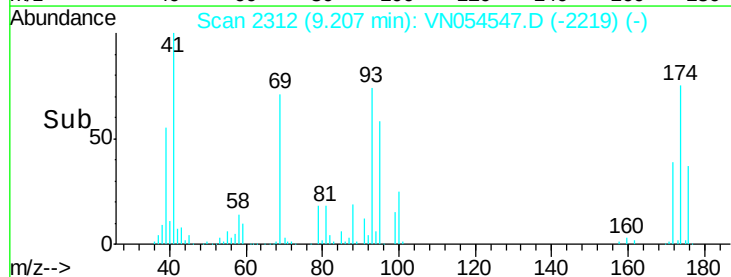
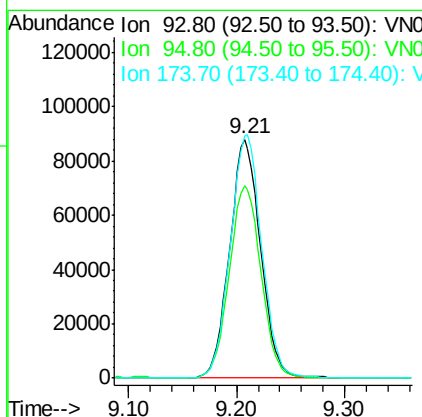
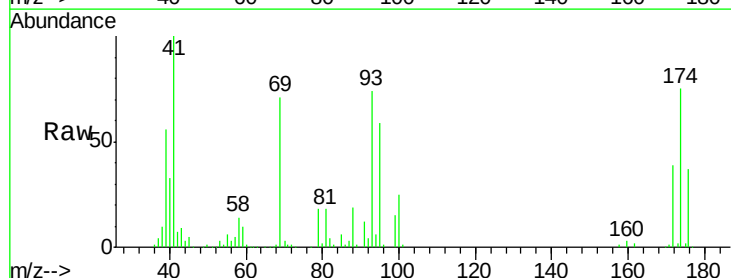
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

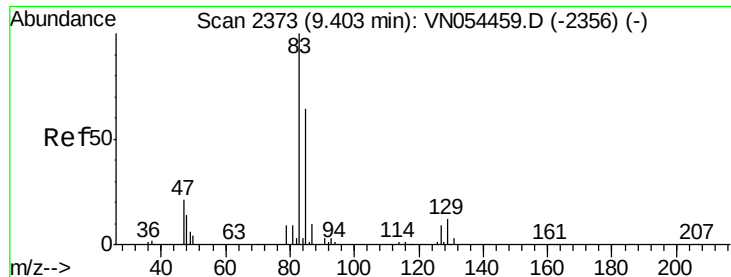
Tot Ion: 63 Resp: 301070
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 52.68 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion: 93 Resp: 176527
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 103.4 98.5 147.7





#47

Bromodichloromethane

Concen: 52.26 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

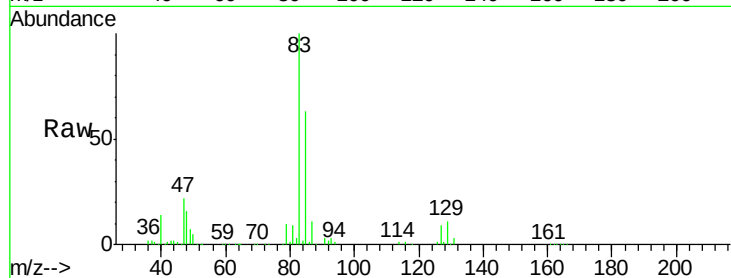
Tot Ion: 83 Resp: 363460

Ion Ratio Lower Upper

83 100

85 63.5 52.8 79.2

127 9.1 7.4 11.2

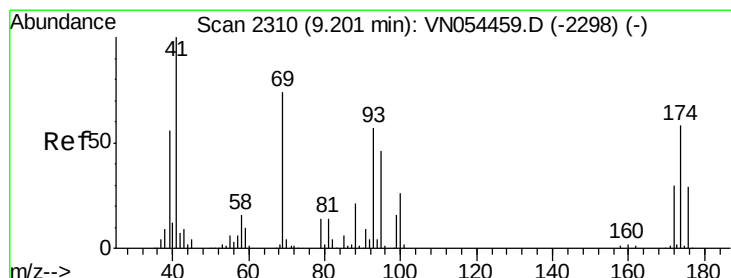
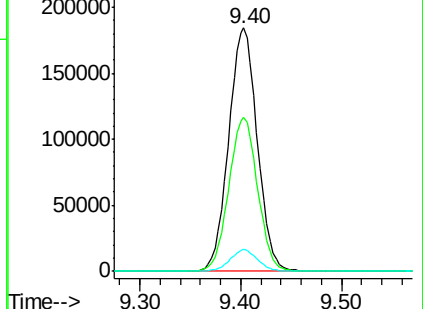
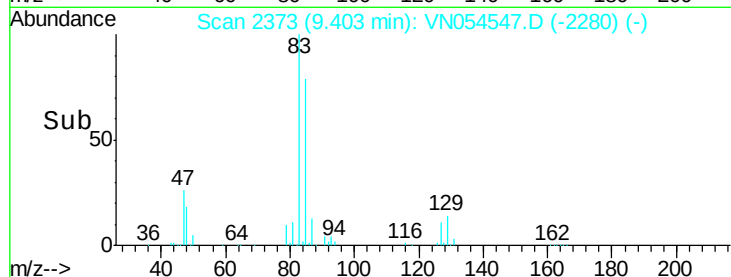


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

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

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

Time-->



#48

Methyl methacrylate

Concen: 54.63 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

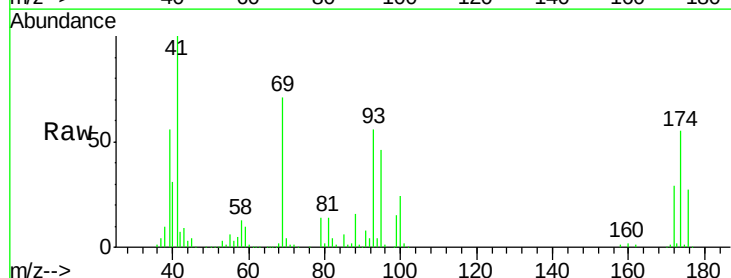
Tgt Ion: 41 Resp: 260520

Ion Ratio Lower Upper

41 100

69 73.7 72.6 108.8

39 55.5 47.5 71.3

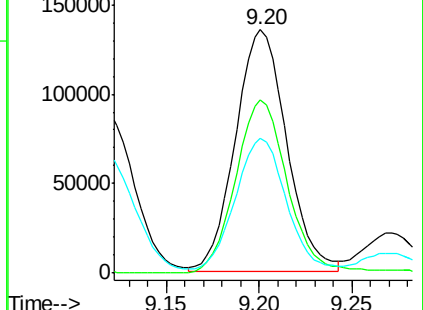
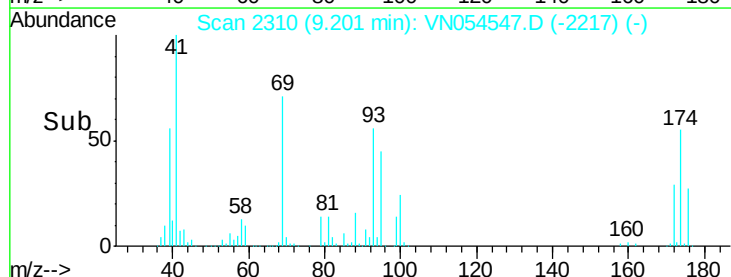


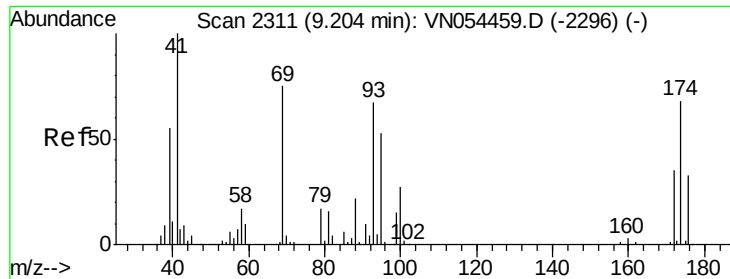
Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

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

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

Time-->





#49

1,4-Dioxane

Concen: 897.41 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

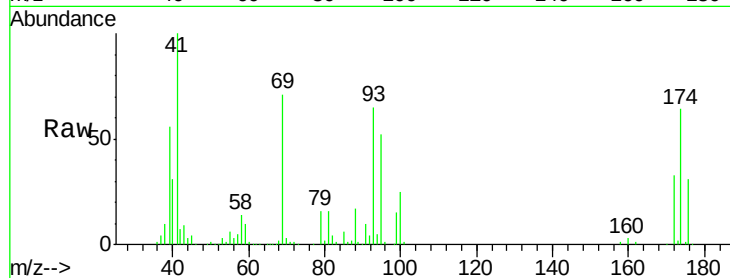
Tot Ion: 88 Resp: 47847

Ion Ratio Lower Upper

88 100

43 43.3 24.1 36.1#

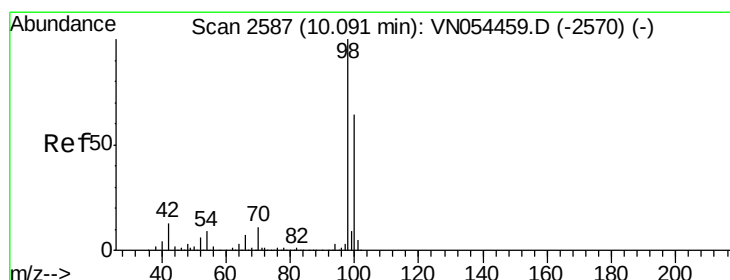
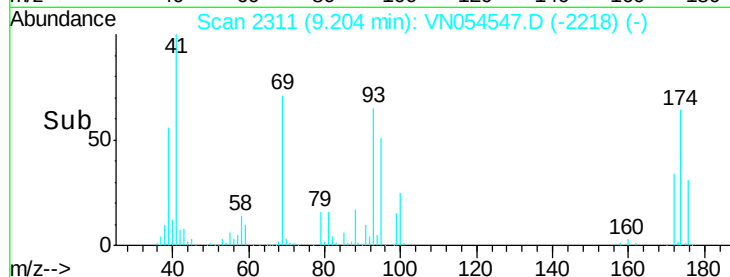
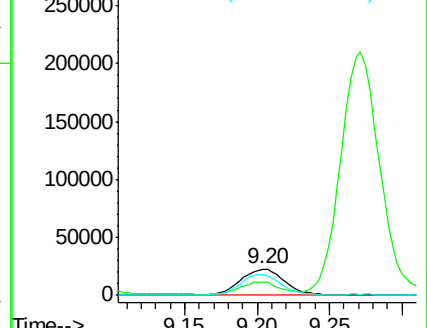
58 75.7 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.54 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054547.D

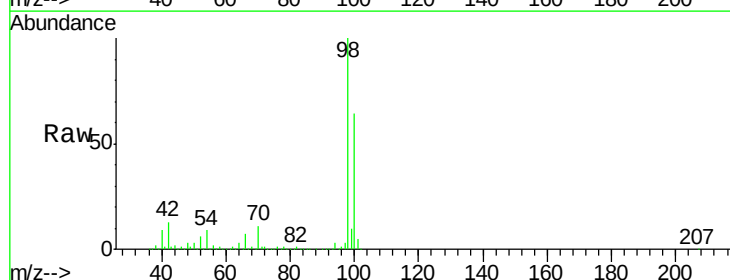
Acq: 22 Mar 2019 10:10

Tgt Ion: 98 Resp: 938673

Ion Ratio Lower Upper

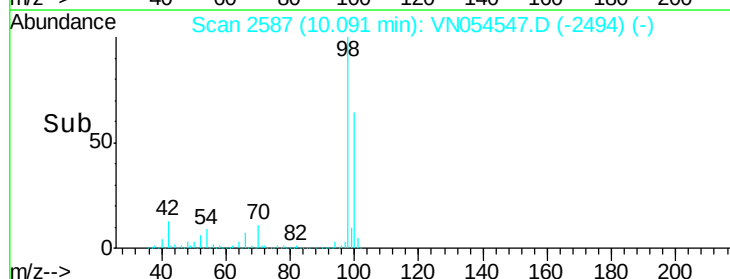
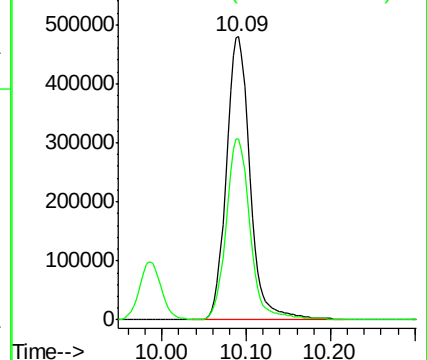
98 100

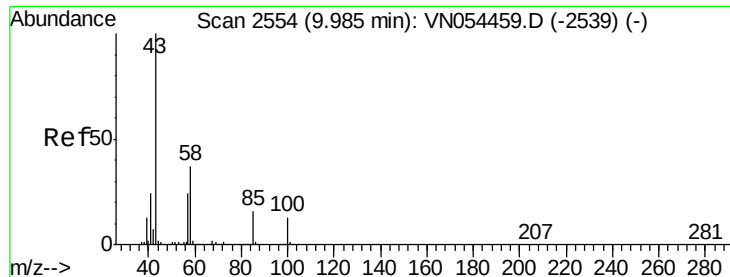
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 290.65 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

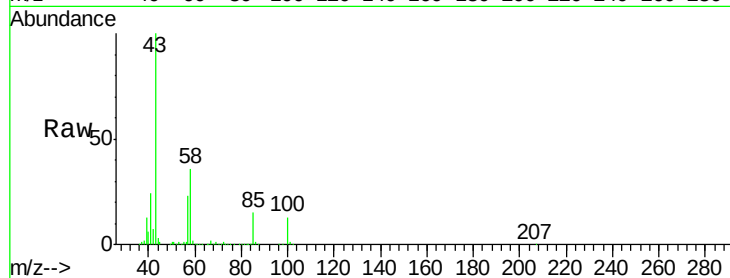
VSTDCCC050

Tot Ion: 43 Resp: 1415366

Ion Ratio Lower Upper

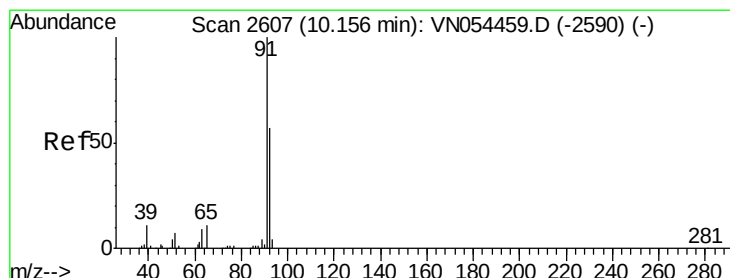
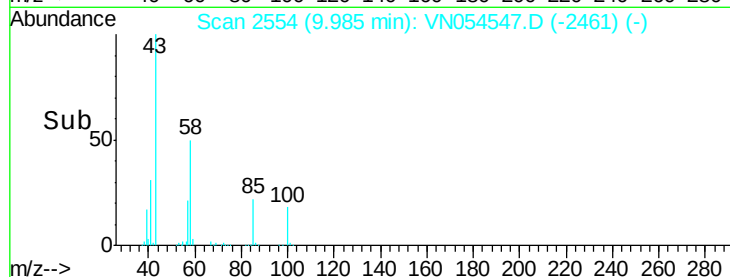
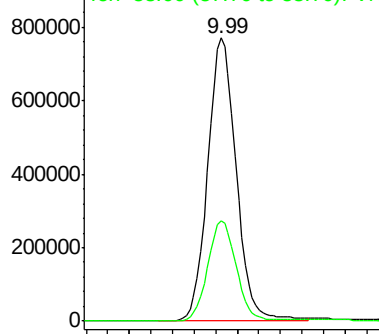
43 100

58 35.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.13 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054547.D

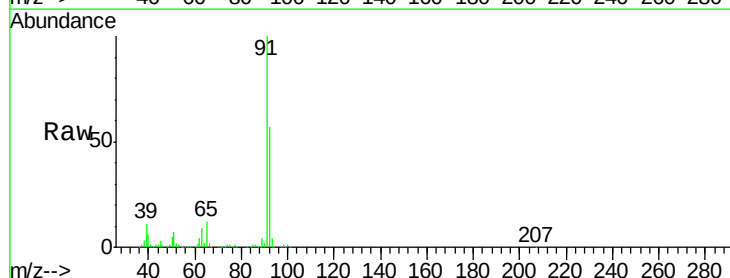
Acq: 22 Mar 2019 10:10

Tgt Ion: 92 Resp: 645020

Ion Ratio Lower Upper

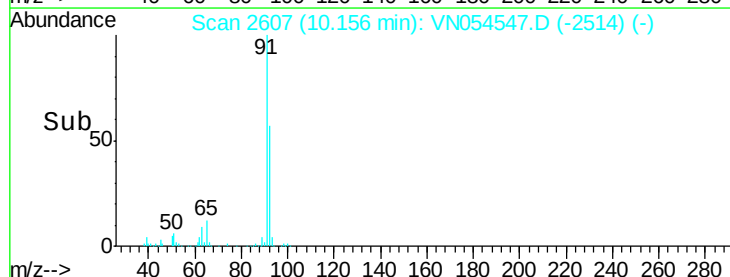
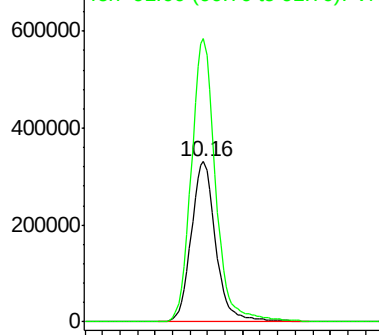
92 100

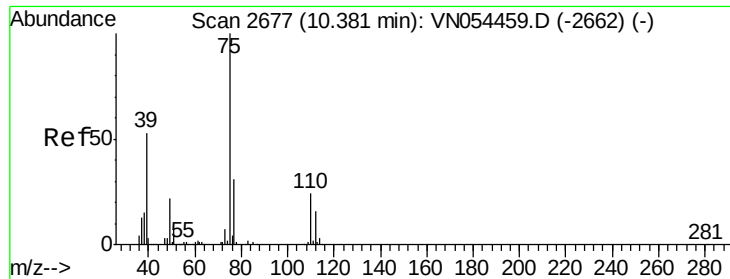
91 175.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 49.63 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

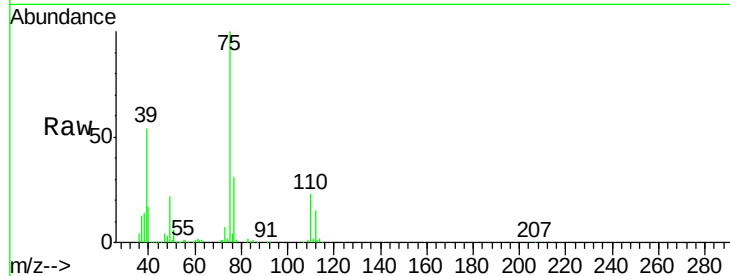
VSTDCCC050

Tot Ion: 75 Resp: 364001

Ion Ratio Lower Upper

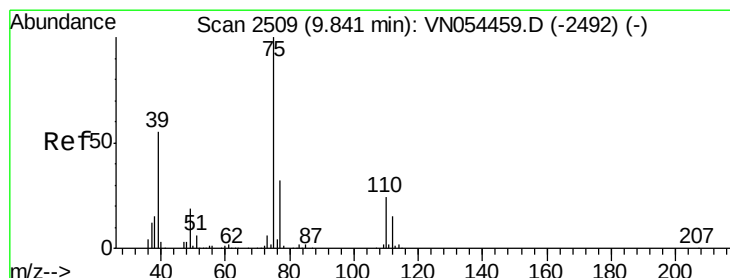
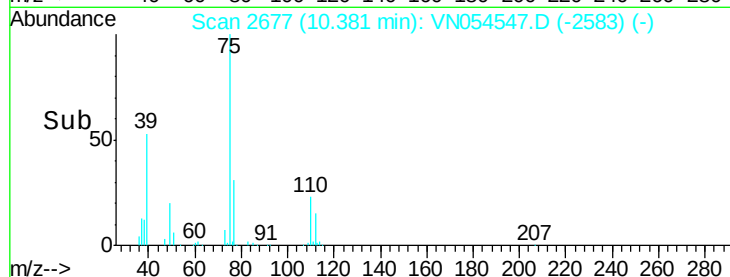
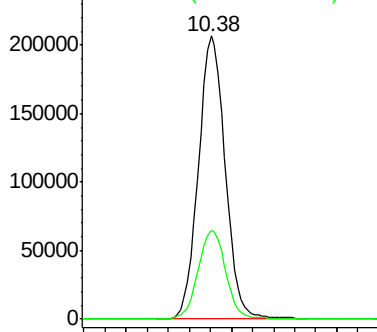
75 100

77 31.0 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 55.00 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

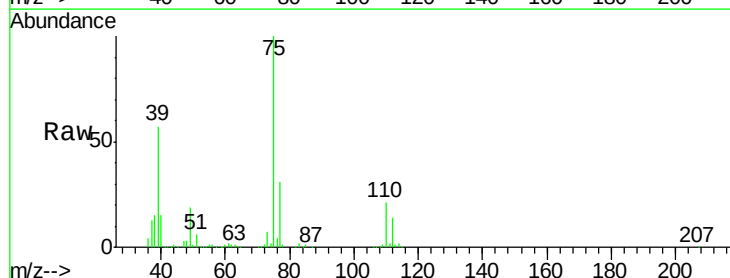
Tgt Ion: 75 Resp: 438589

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

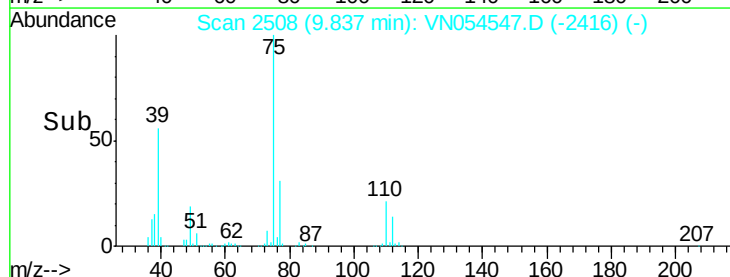
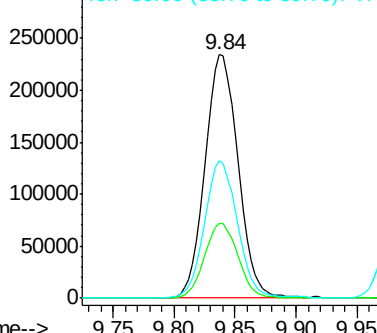
39 56.4 37.2 55.8#

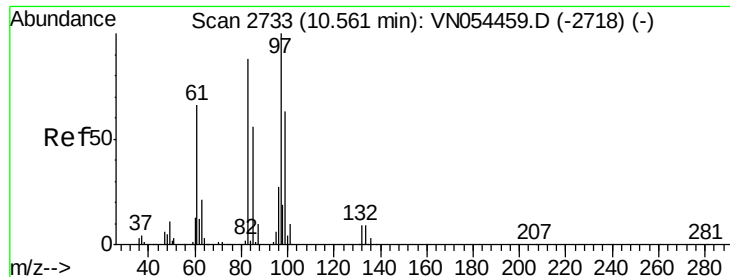


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

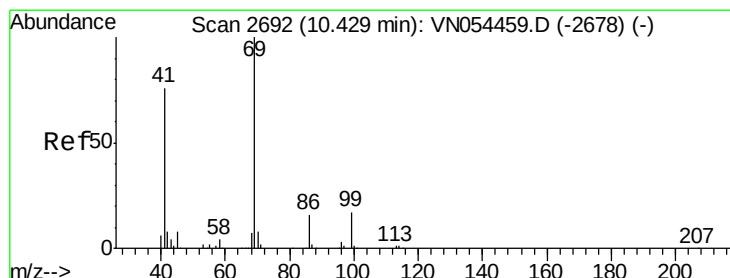
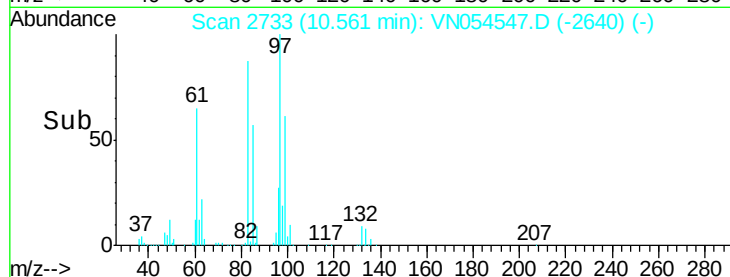
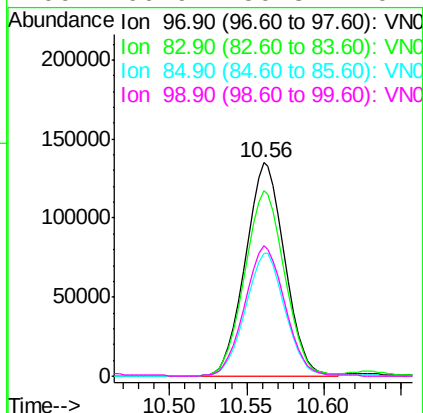
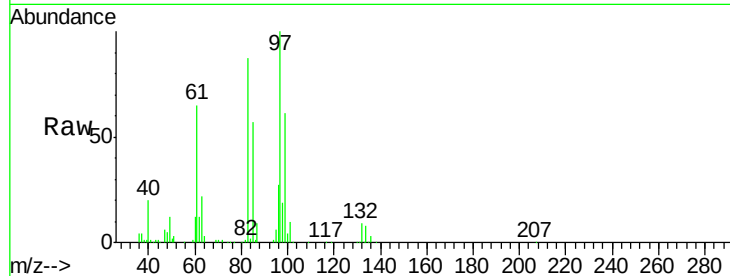




#55
 1,1,2-Trichloroethane
 Concen: 51.94 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

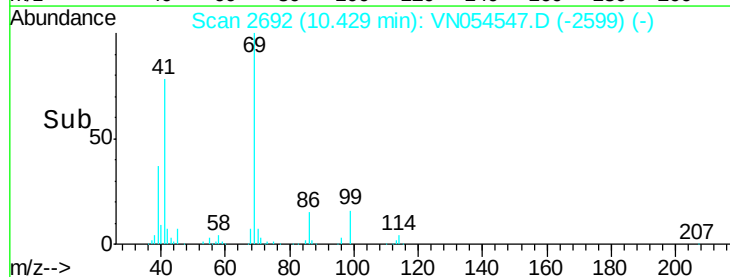
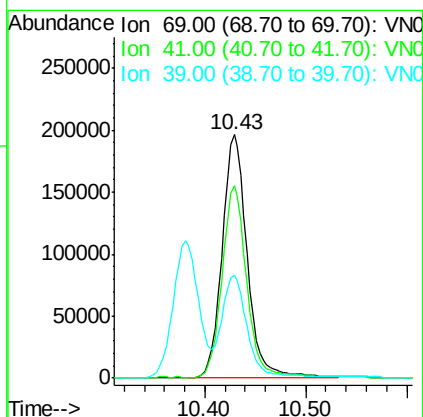
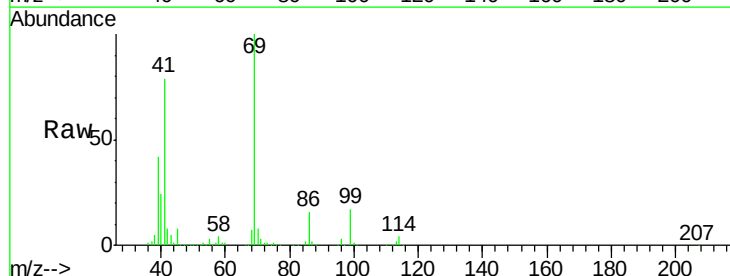
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

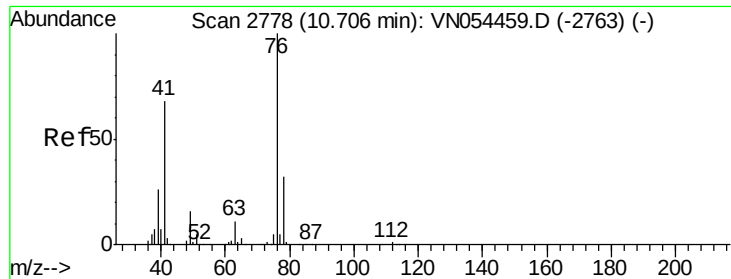
Tot Ion:	97	Resp:	240211
Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.6	100.0
85	57.3	44.4	66.6
99	60.9	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 55.15 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion:	69	Resp:	342329
Ion	Ratio	Lower	Upper
69	100		
41	77.0	49.4	74.2#
39	41.4	28.3	42.5

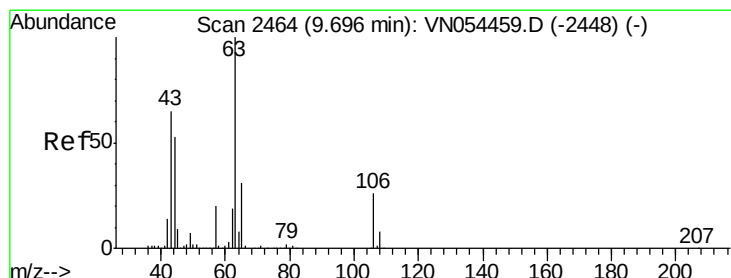
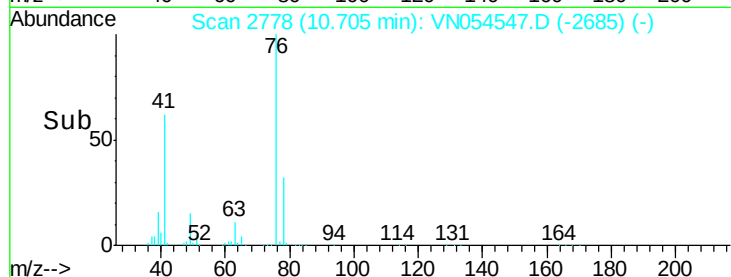
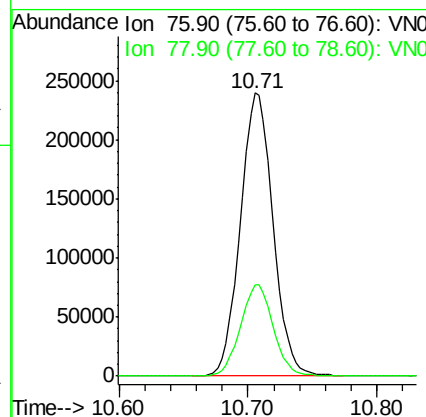
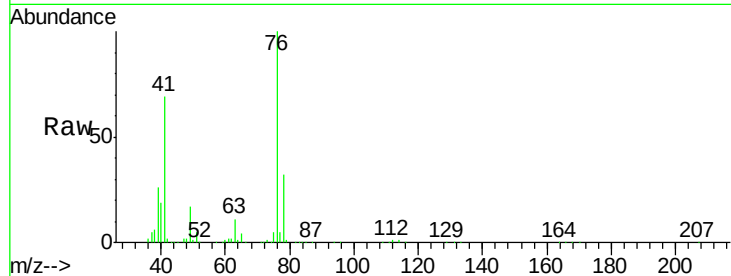




#57
 1,3-Dichloropropane
 Concen: 52.54 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

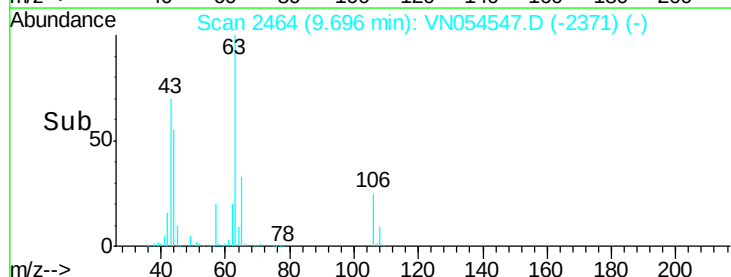
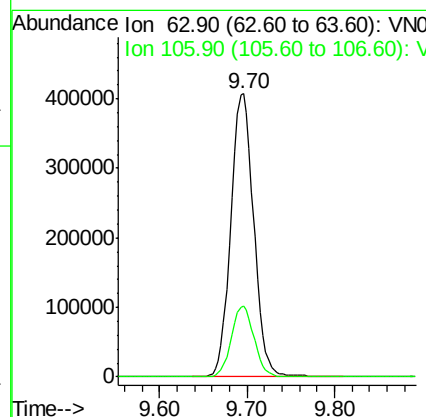
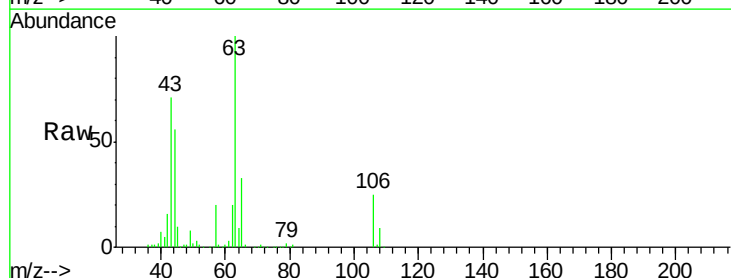
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

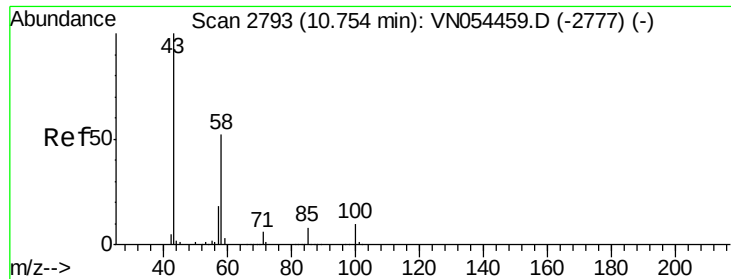
Tot Ion: 76 Resp: 422420
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 290.75 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion: 63 Resp: 743164
 Ion Ratio Lower Upper
 63 100
 106 24.8 24.4 36.6

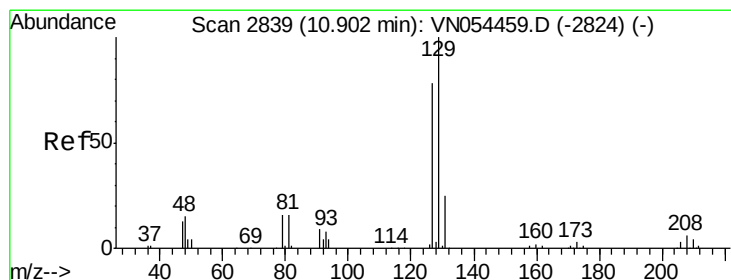
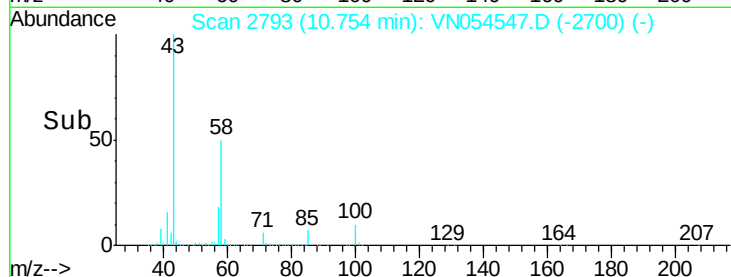
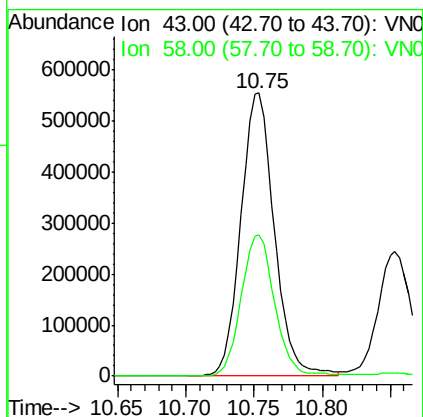
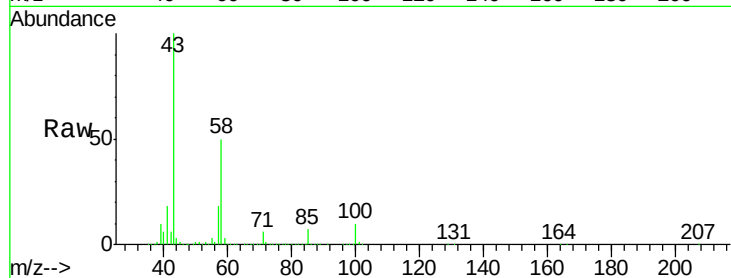




#59
2-Hexanone
Concen: 296.19 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

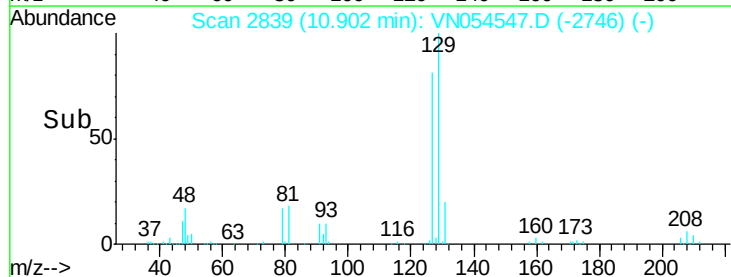
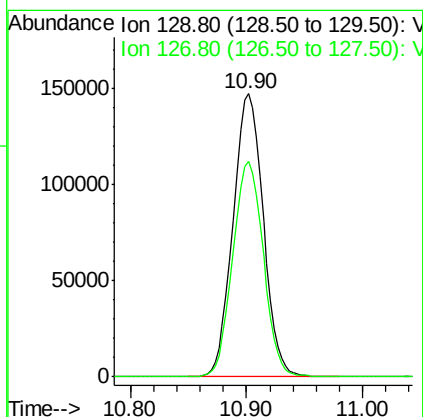
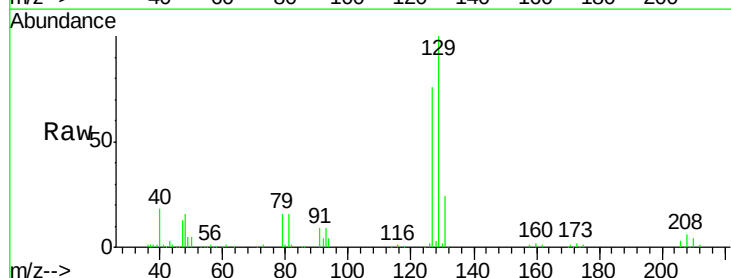
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

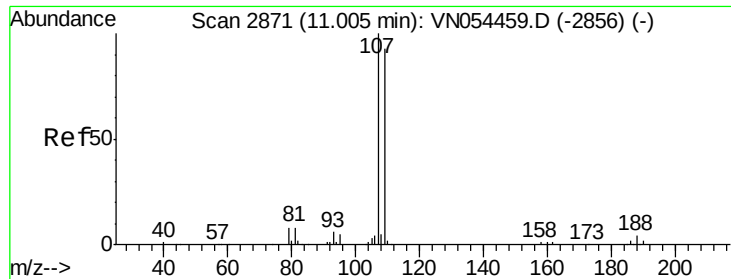
Tot Ion: 43 Resp: 942120
Ion Ratio Lower Upper
43 100
58 50.4 28.0 83.9



#60
Dibromochloromethane
Concen: 53.97 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 129 Resp: 265611
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

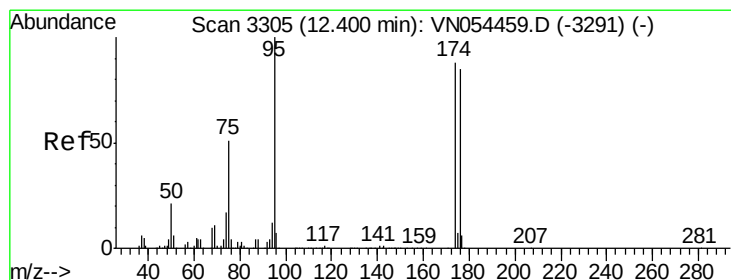
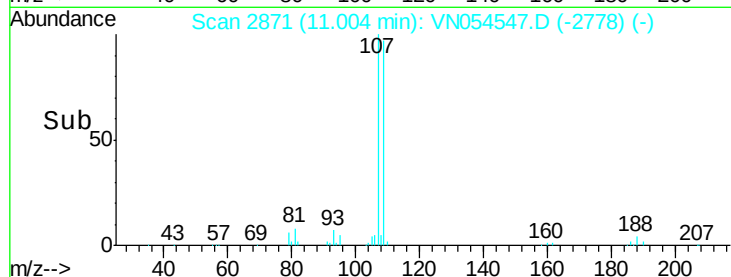
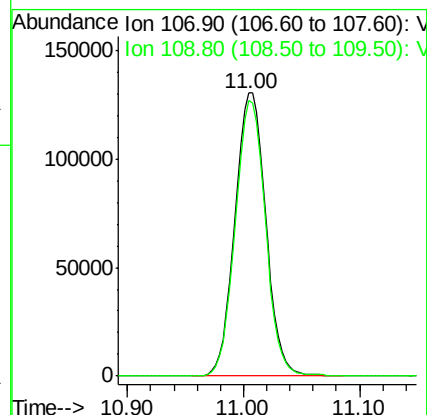
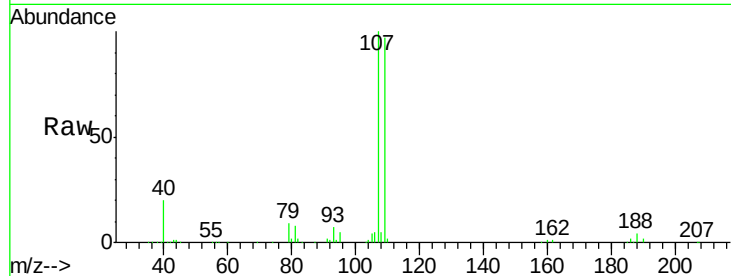




#61
 1,2-Dibromoethane
 Concen: 52.45 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

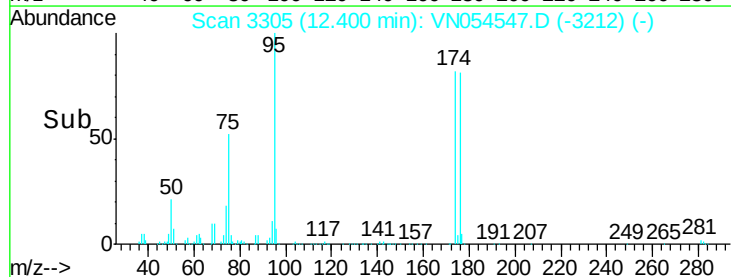
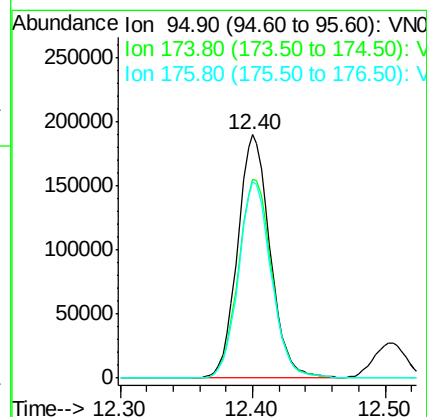
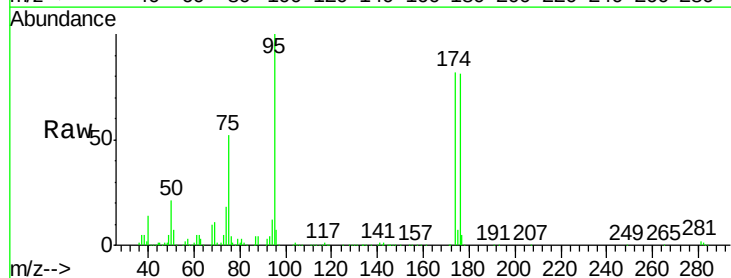
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

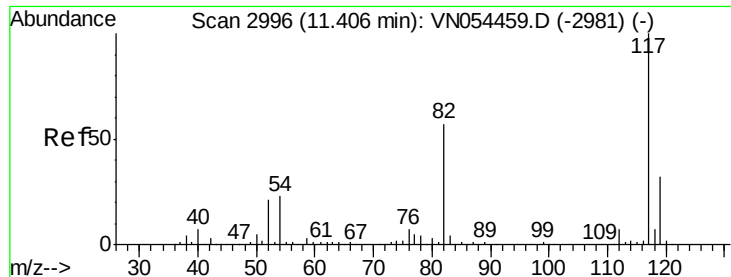
Tot Ion:107 Resp: 239814
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.10 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion: 95 Resp: 323047
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 191.0
 176 81.3 0.0 187.4

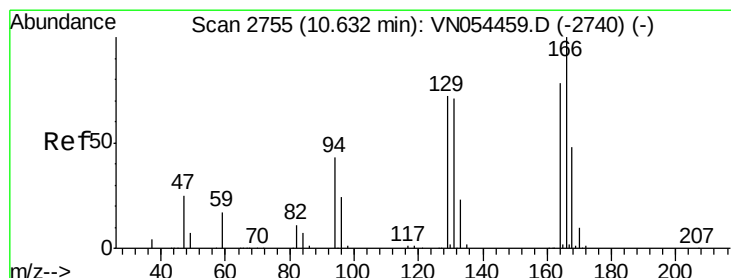
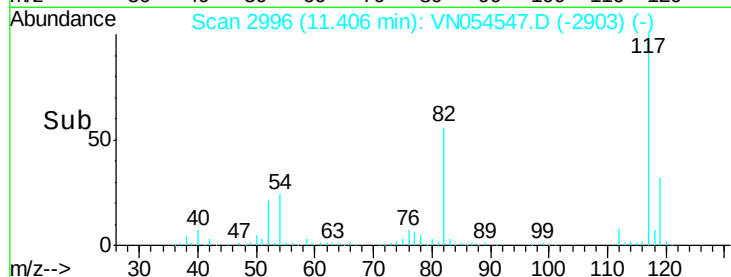
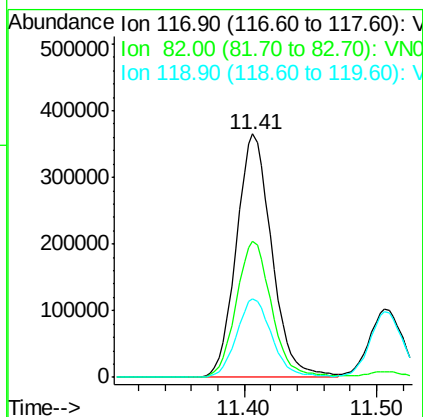
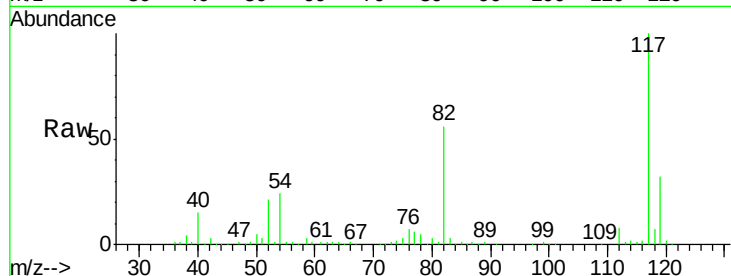




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

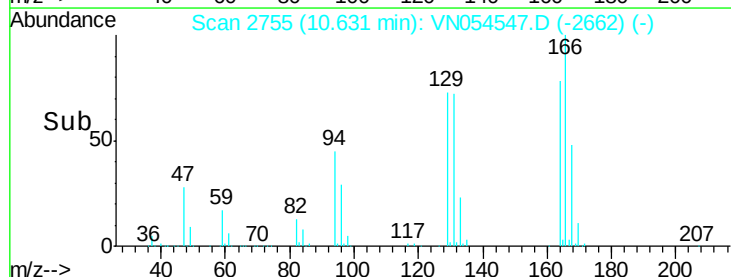
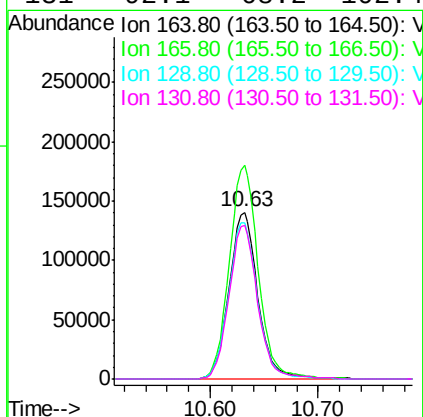
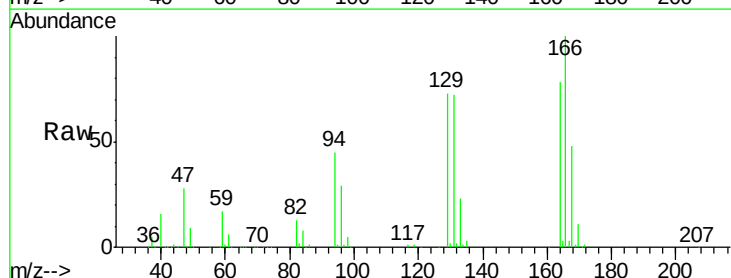
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

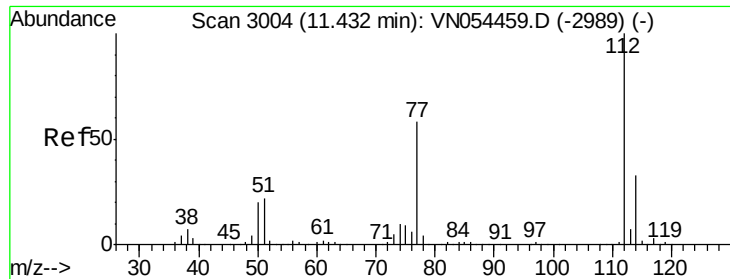
Tot Ion:117 Resp: 678157
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 46.44 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion:164 Resp: 261211
Ion Ratio Lower Upper
164 100
166 128.2 103.9 155.9
129 93.5 71.1 106.7
131 92.1 68.2 102.4

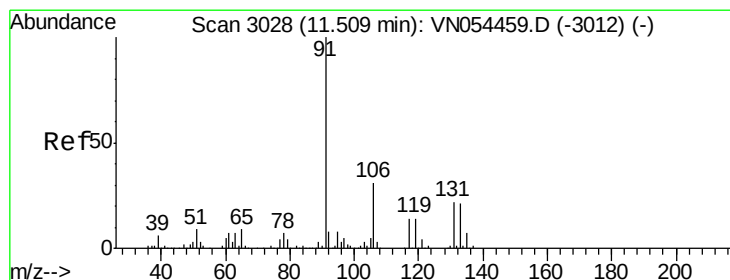
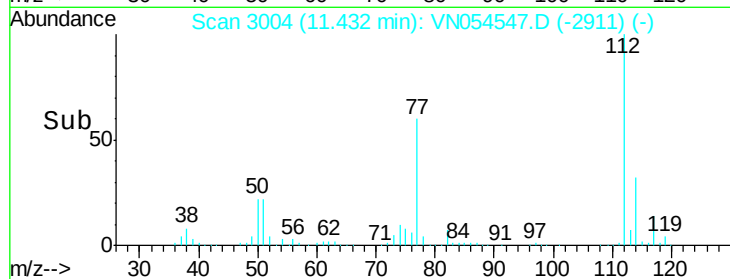
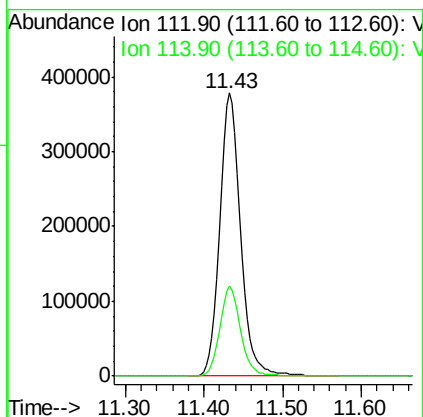
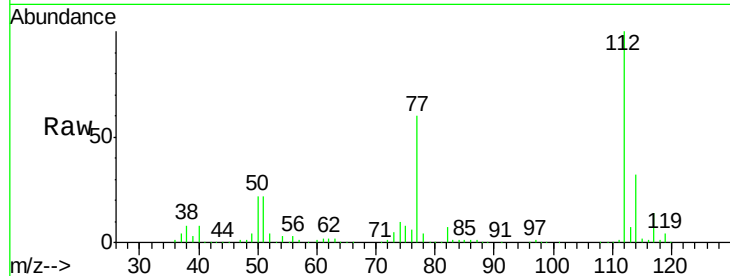




#65
Chlorobenzene
Concen: 49.91 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

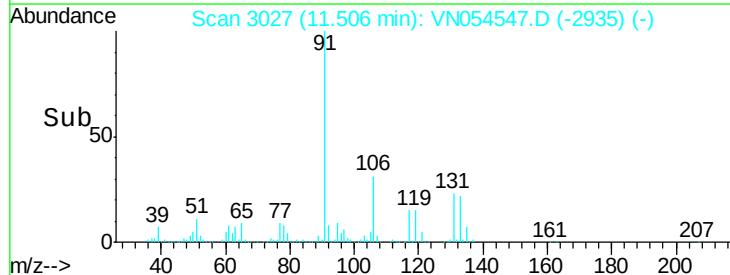
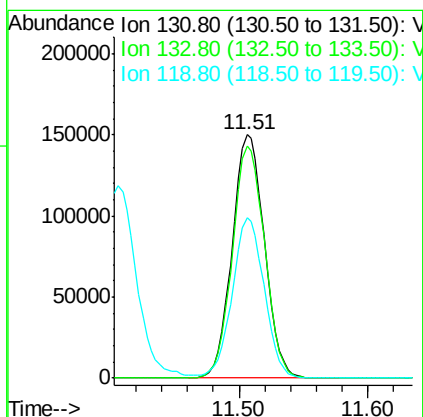
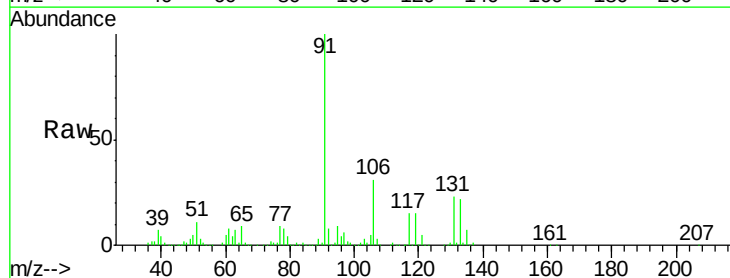
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

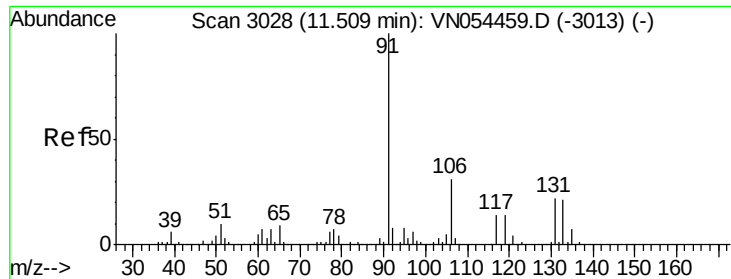
Tot Ion:112 Resp: 688376
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.55 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion:131 Resp: 260141
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 65.4 32.4 97.0

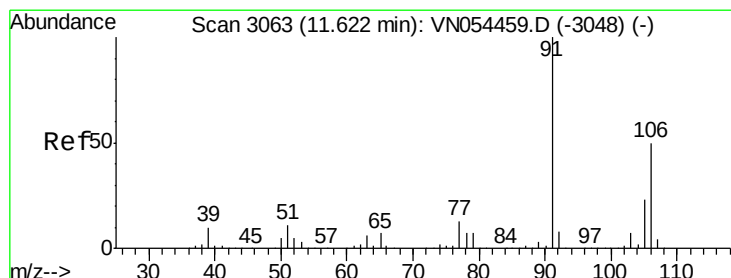
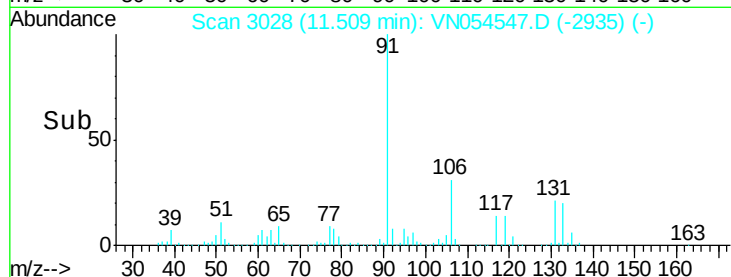
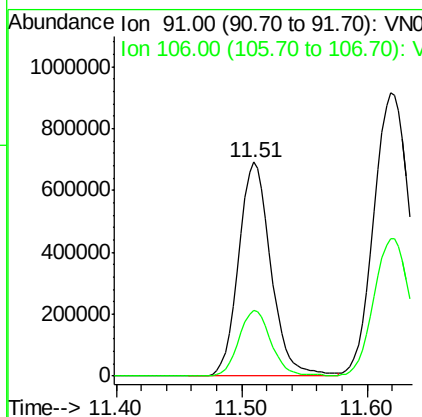
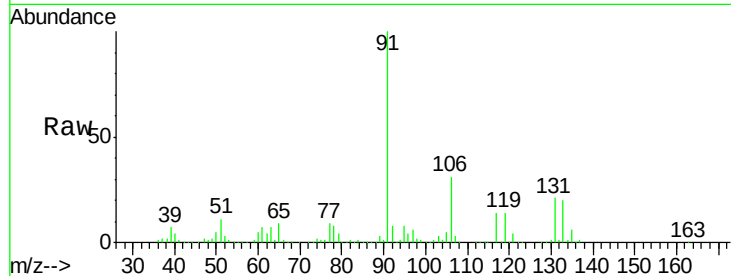




#67
Ethyl Benzene
Concen: 50.97 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

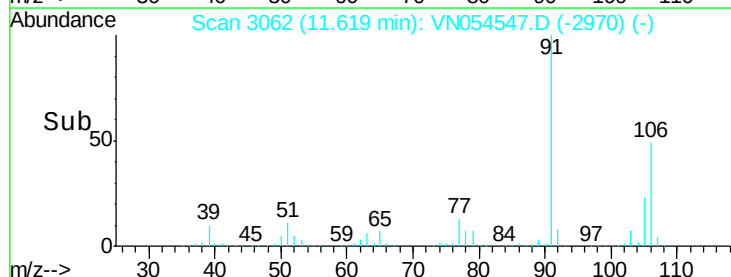
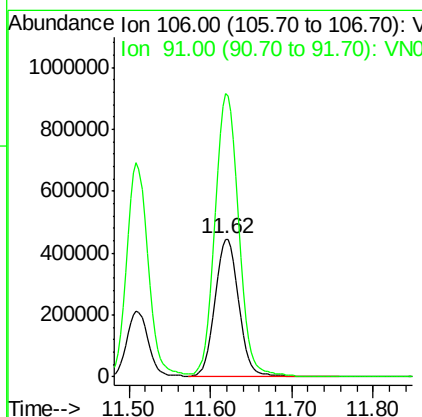
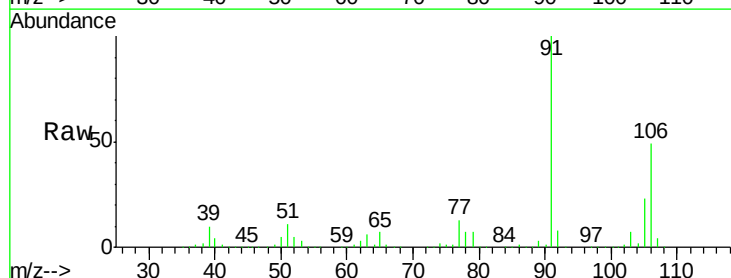
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

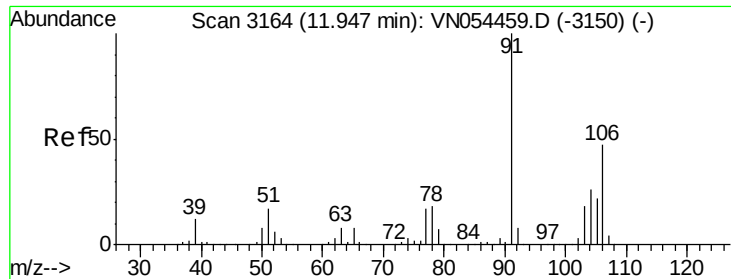
Tot Ion: 91 Resp: 1241840
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 100.41 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 106 Resp: 926661
Ion Ratio Lower Upper
106 100
91 205.2 159.4 239.2

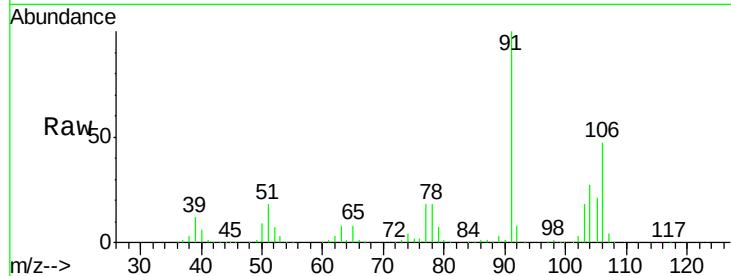




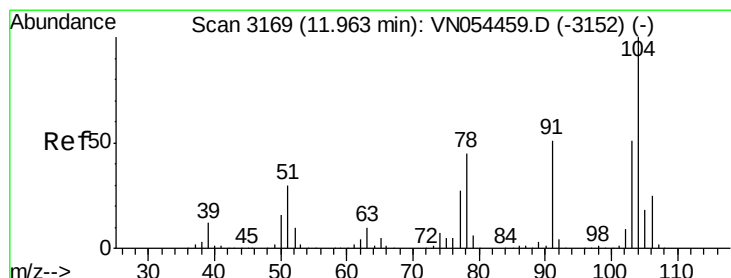
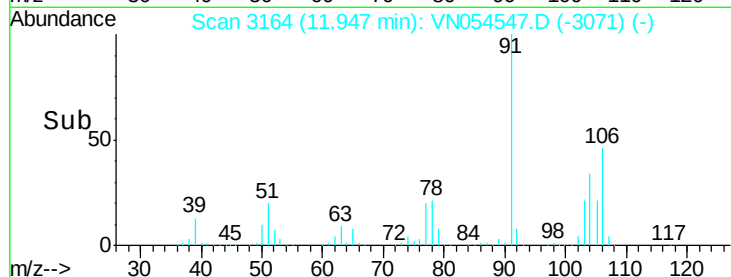
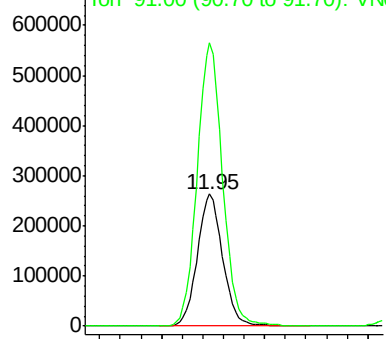
#69
o-Xylene
Concen: 49.91 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 449838
Ion Ratio Lower Upper
106 100
91 215.7 105.7 317.1

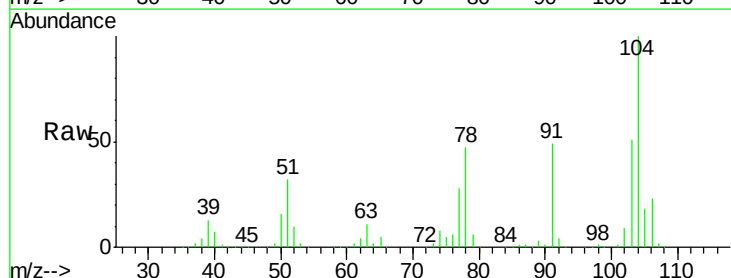


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

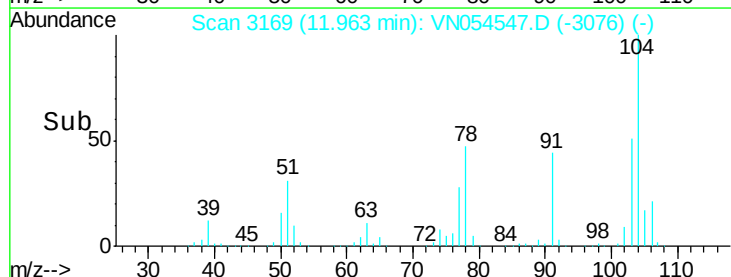
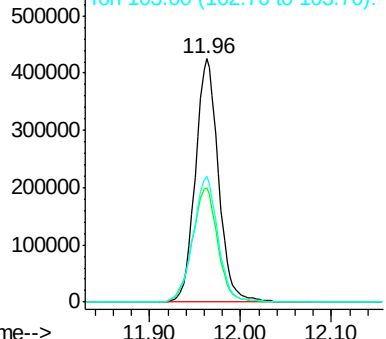


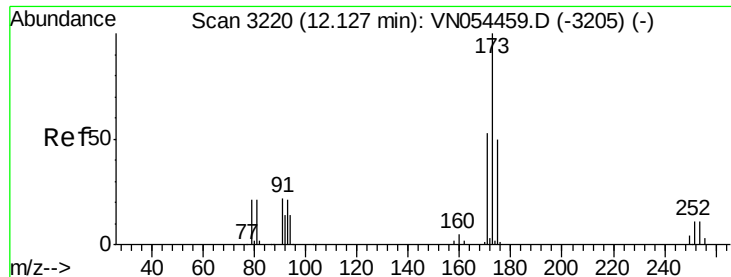
#70
Styrene
Concen: 51.11 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion:104 Resp: 748064
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.6 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: 48.26 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

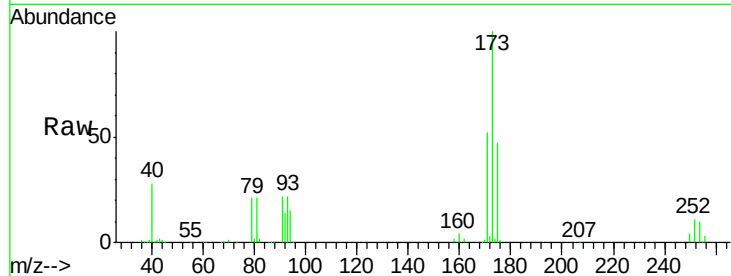
Tot Ion:173 Resp: 164432

Ion Ratio Lower Upper

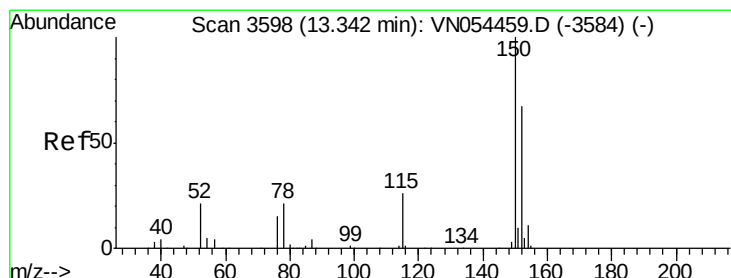
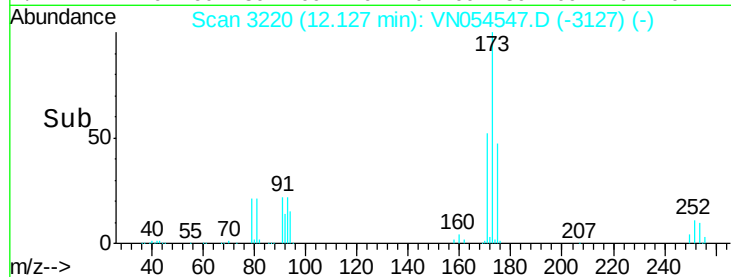
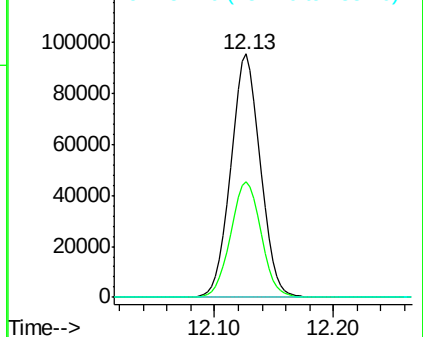
173 100

175 49.0 24.4 73.2

254 0.1 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: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

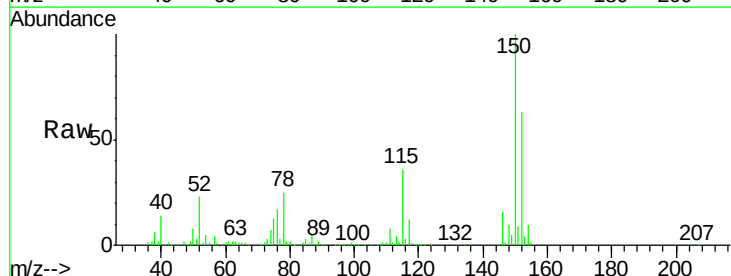
Tgt Ion:152 Resp: 301082

Ion Ratio Lower Upper

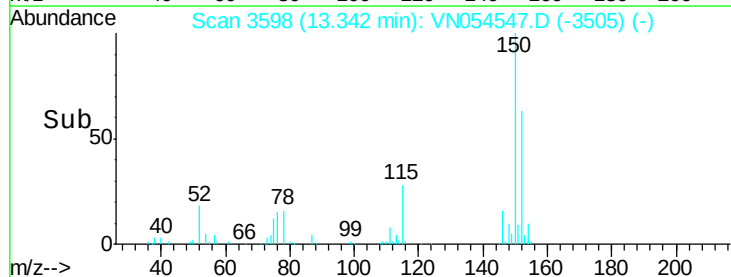
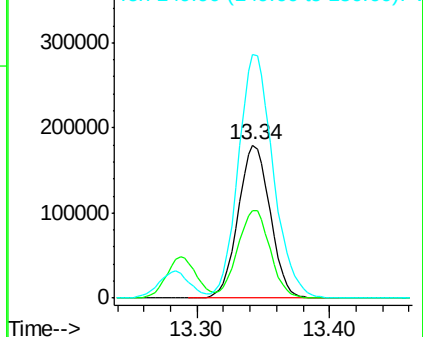
152 100

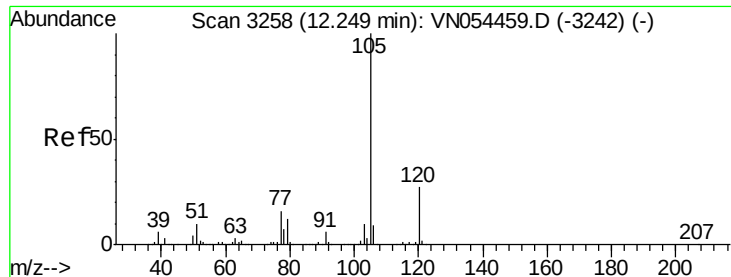
115 58.2 27.2 81.6

150 174.1 0.0 349.2



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





#73

Isopropylbenzene

Concen: 49.16 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

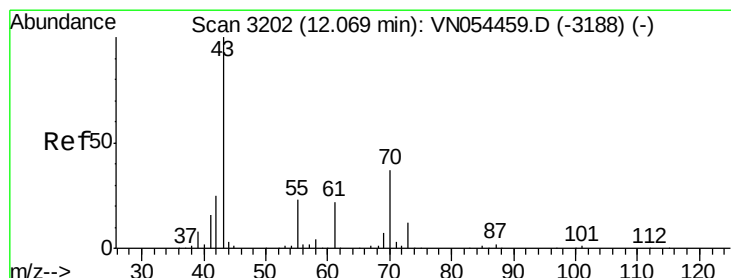
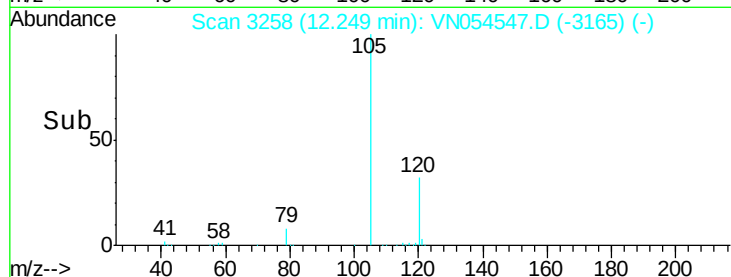
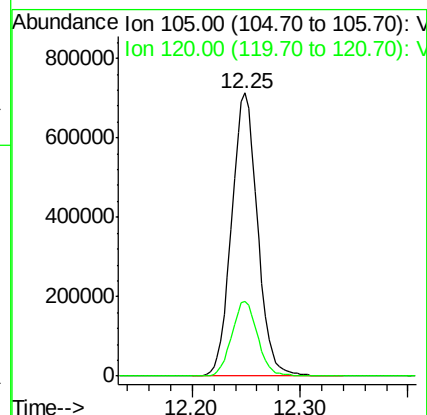
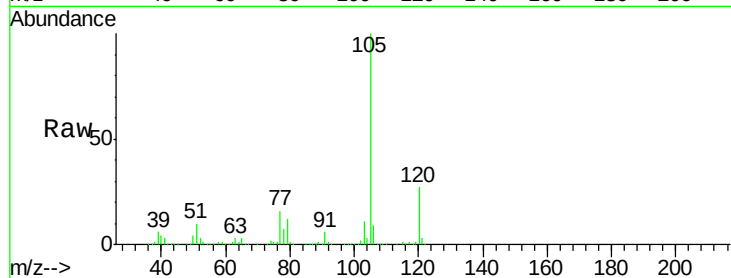
VSTDCCC050

Tot Ion:105 Resp: 1192715

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



#74

N-ethyl acetate

Concen: 58.77 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion: 43 Resp: 409969

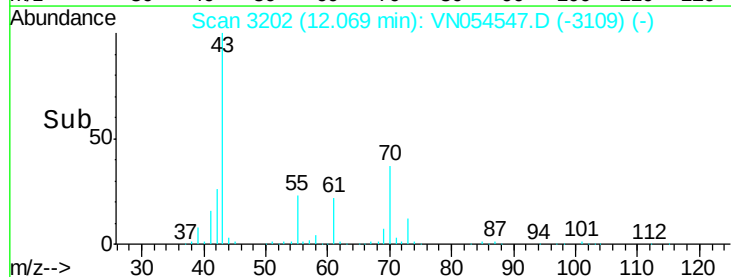
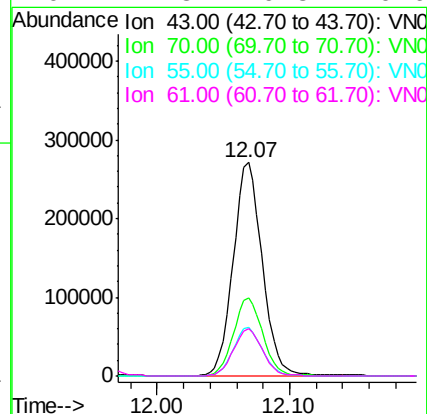
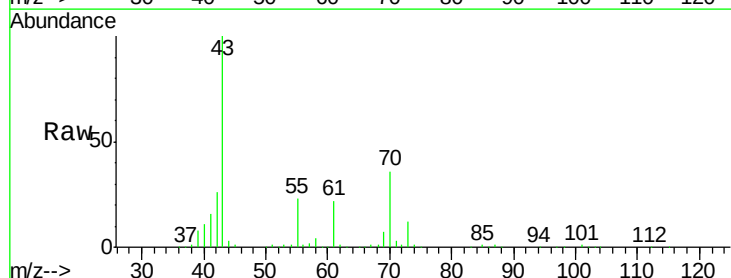
Ion Ratio Lower Upper

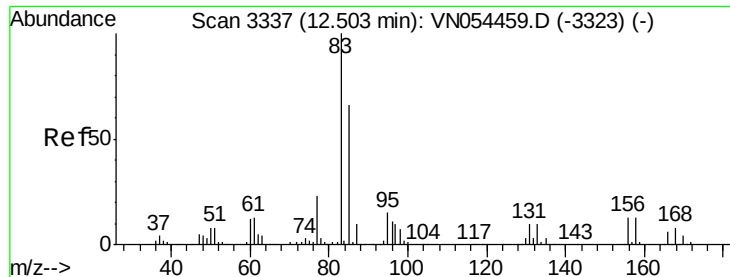
43 100

70 37.1 35.4 53.0

55 23.2 19.8 29.6

61 22.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.44 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

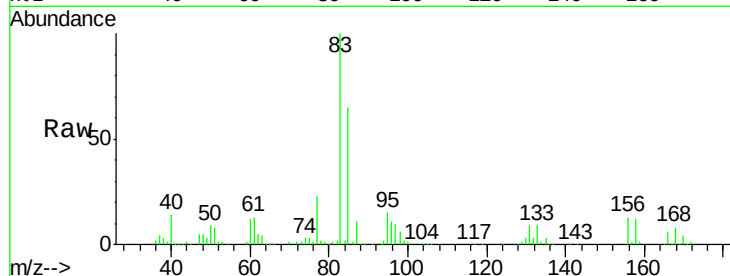
Tot Ion: 83 Resp: 301500

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

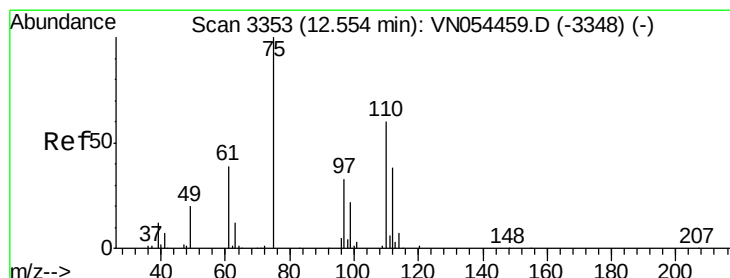
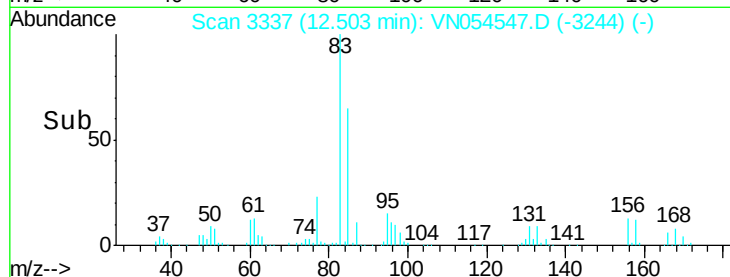
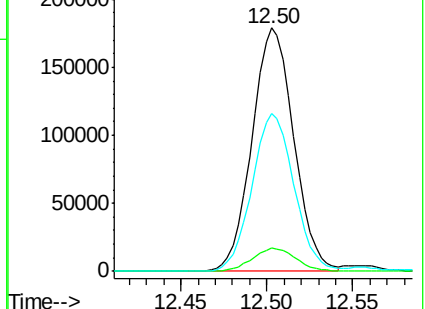
85 65.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 75.71 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054547.D

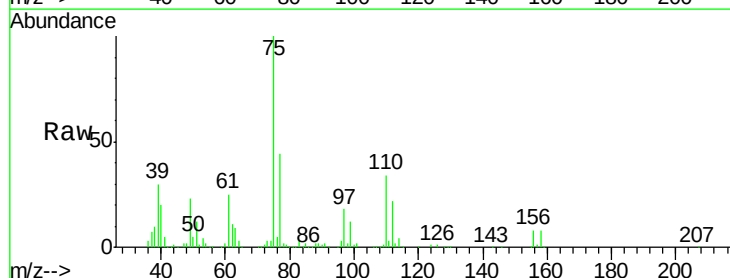
Acq: 22 Mar 2019 10:10

Tgt Ion: 75 Resp: 361719

Ion Ratio Lower Upper

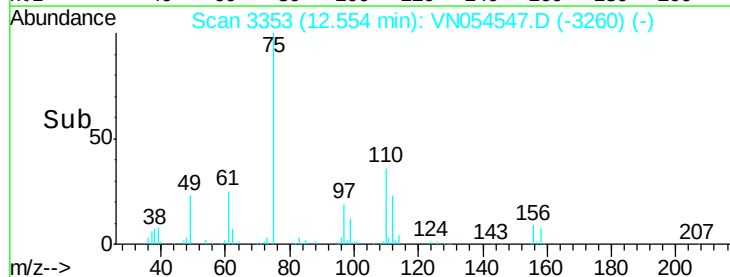
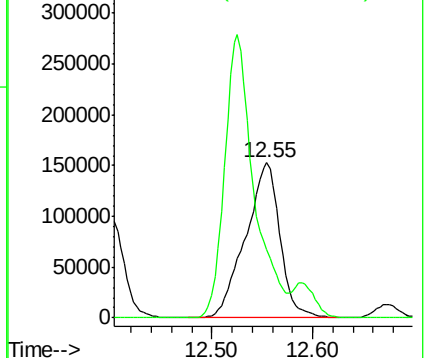
75 100

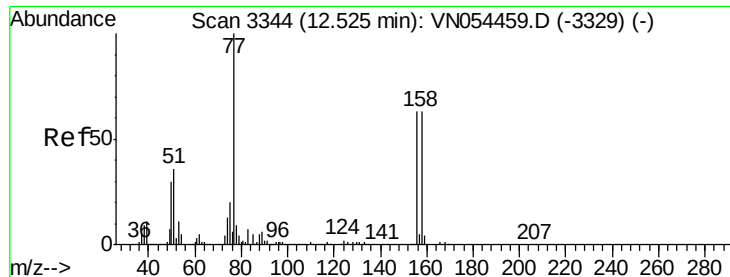
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)





#77

Bromobenzene

Concen: 48.37 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

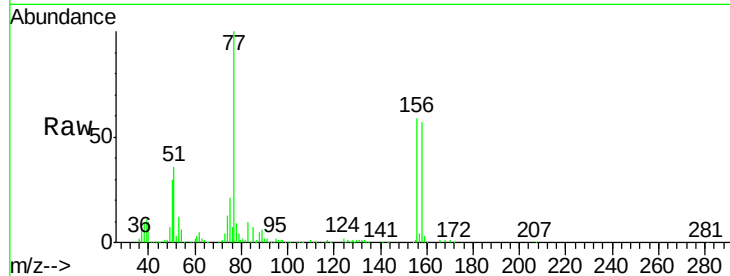
Tot Ion:156 Resp: 291048

Ion Ratio Lower Upper

156 100

77 195.8 81.5 244.4

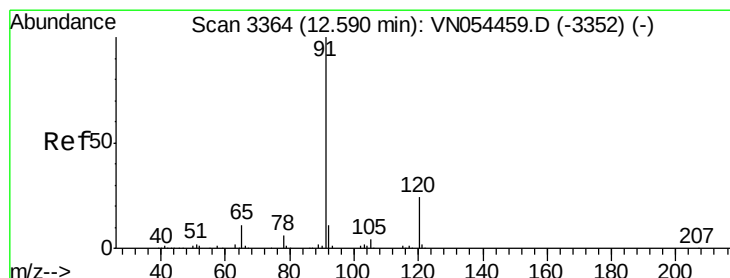
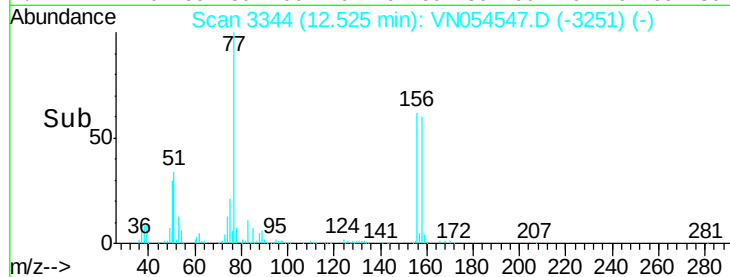
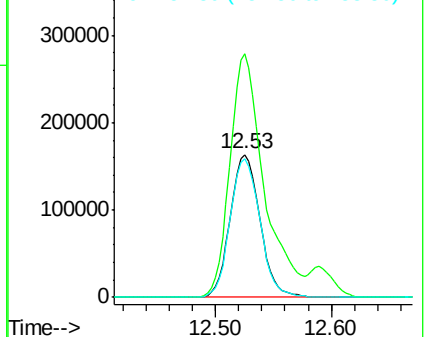
158 97.6 49.0 147.2



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: 51.33 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054547.D

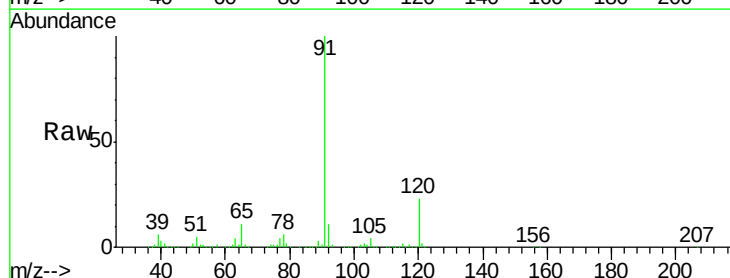
Acq: 22 Mar 2019 10:10

Tgt Ion: 91 Resp: 1350309

Ion Ratio Lower Upper

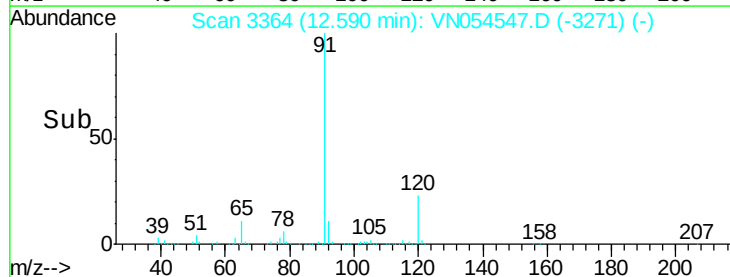
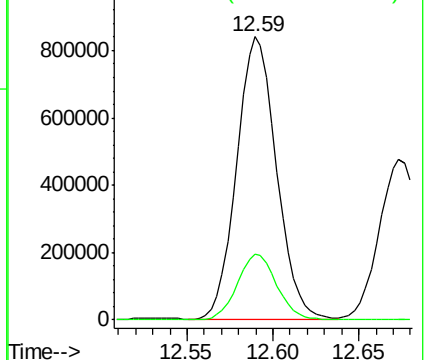
91 100

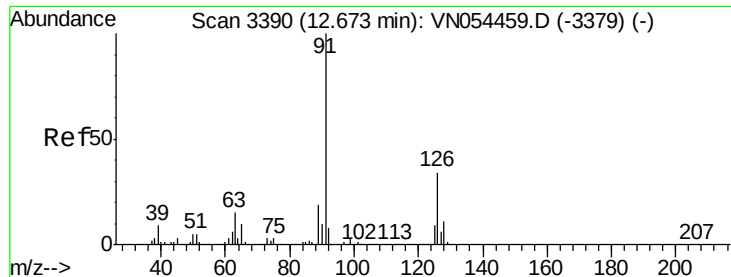
120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.88 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

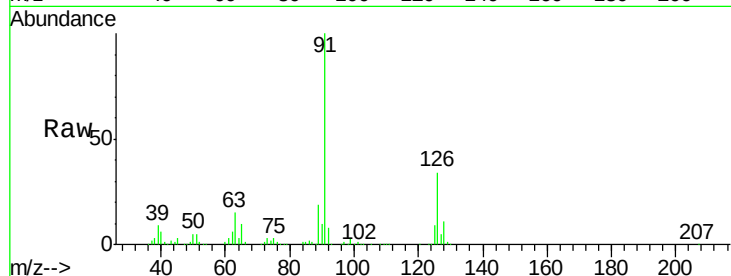
VSTDCCC050

Tot Ion: 91 Resp: 801864

Ion Ratio Lower Upper

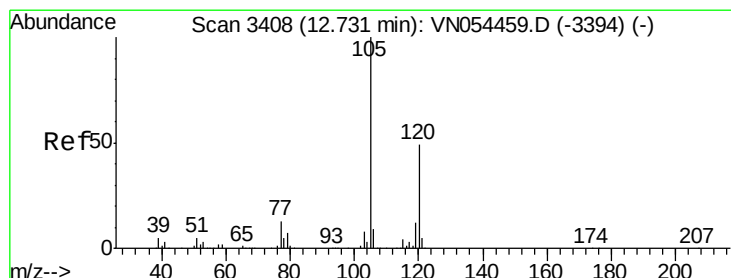
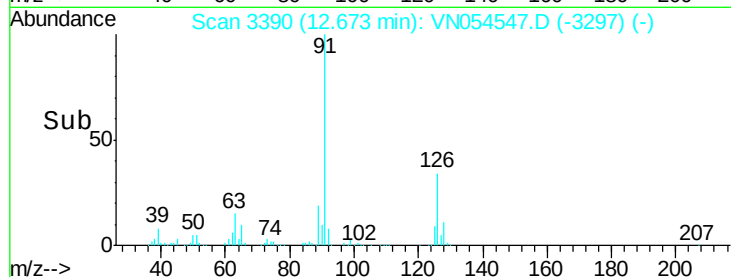
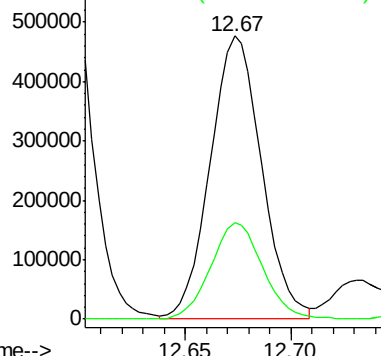
91 100

126 34.8 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) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.01 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054547.D

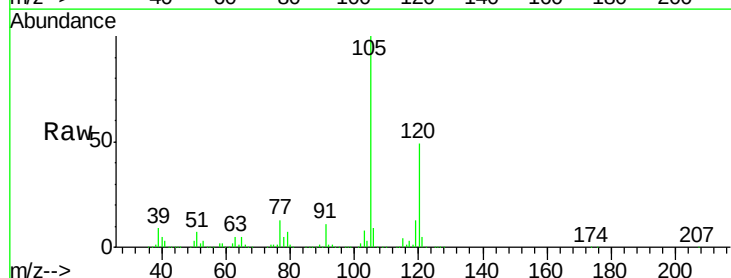
Acq: 22 Mar 2019 10:10

Tgt Ion:105 Resp: 994358

Ion Ratio Lower Upper

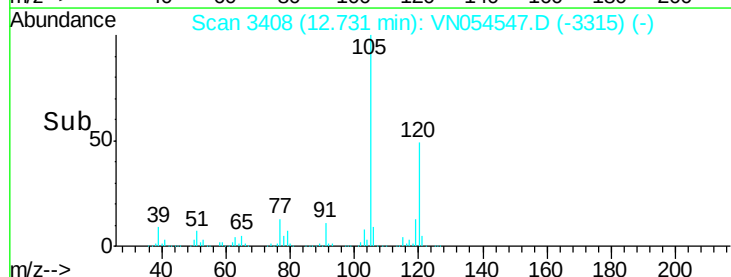
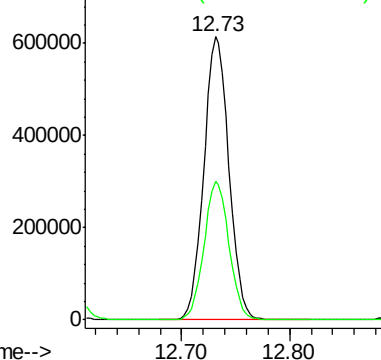
105 100

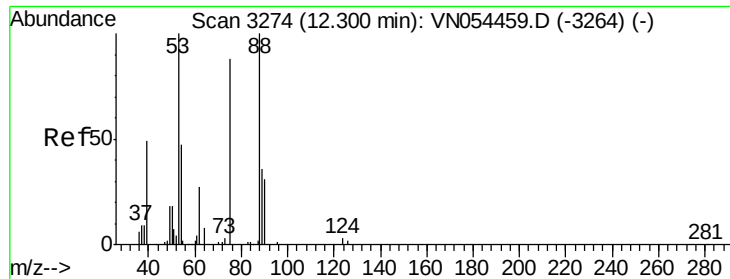
120 49.0 25.0 75.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 51.61 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

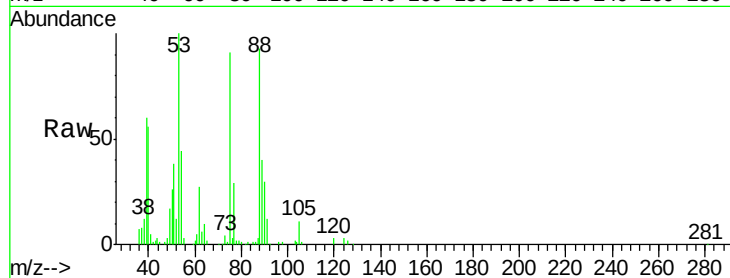
Tot Ion: 75 Resp: 71672

Ion Ratio Lower Upper

75 100

53 116.9 76.2 114.2#

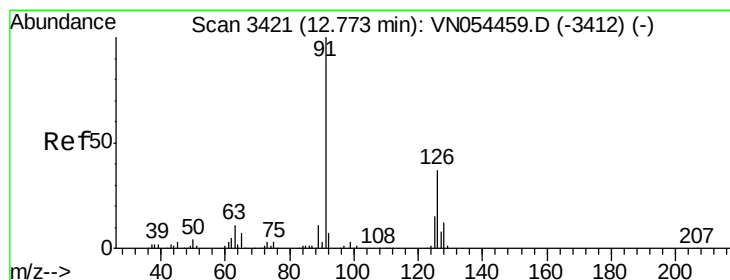
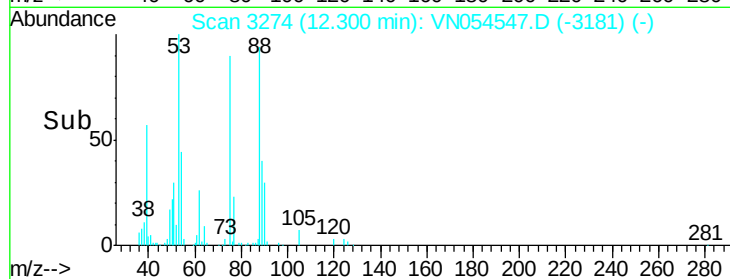
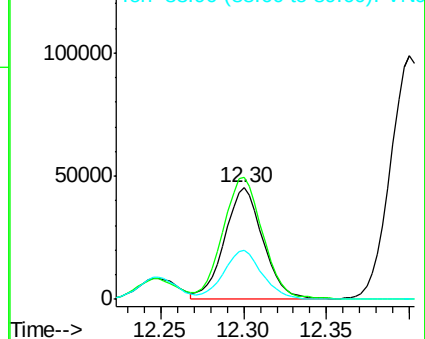
89 45.7 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.47 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054547.D

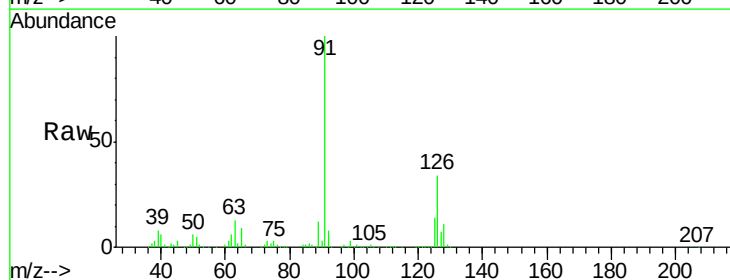
Acq: 22 Mar 2019 10:10

Tgt Ion: 91 Resp: 802598

Ion Ratio Lower Upper

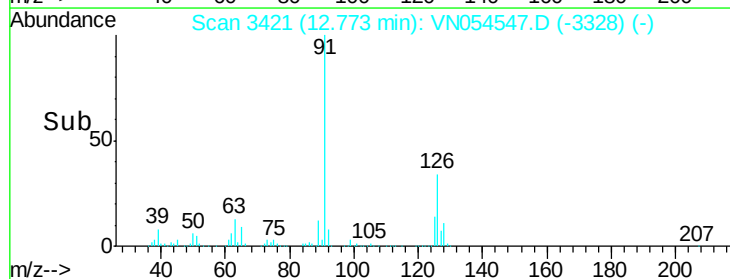
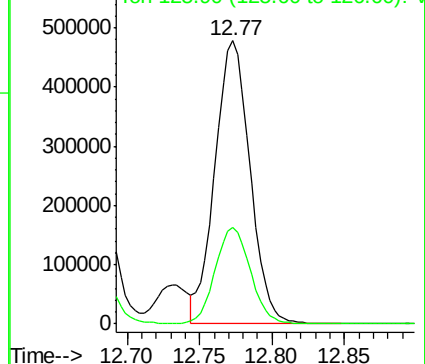
91 100

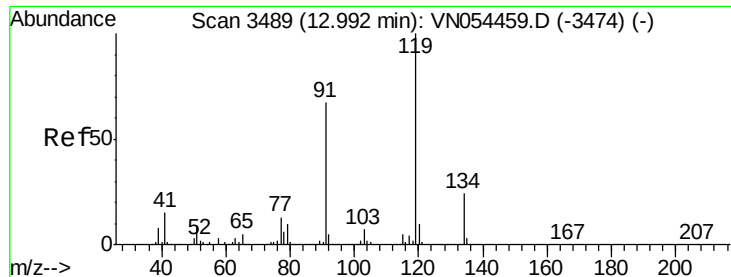
126 34.1 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

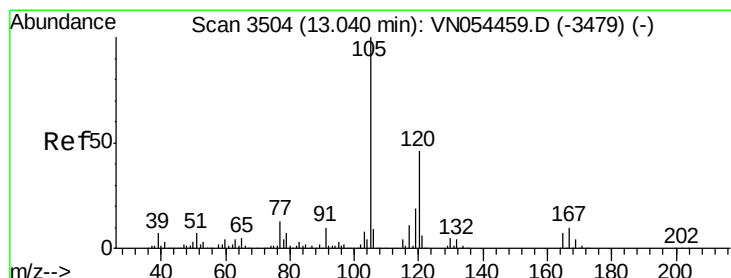
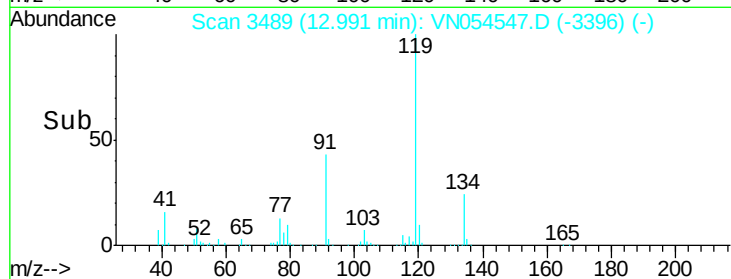
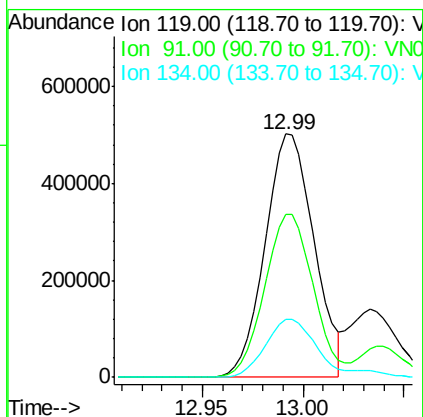
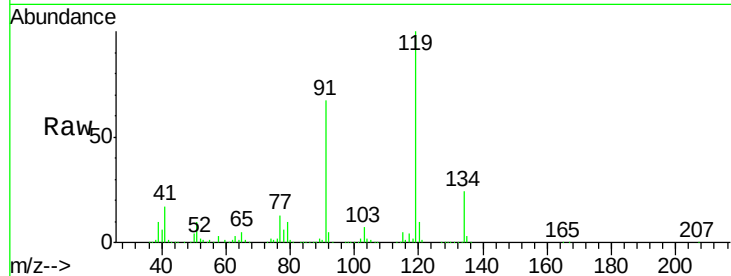




#83
 tert-Butylbenzene
 Concen: 48.87 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

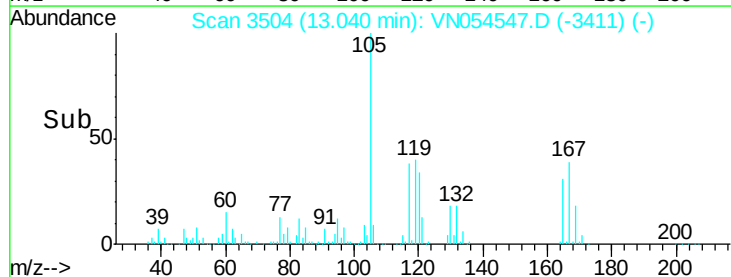
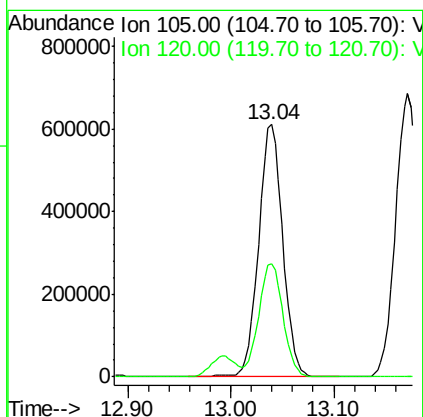
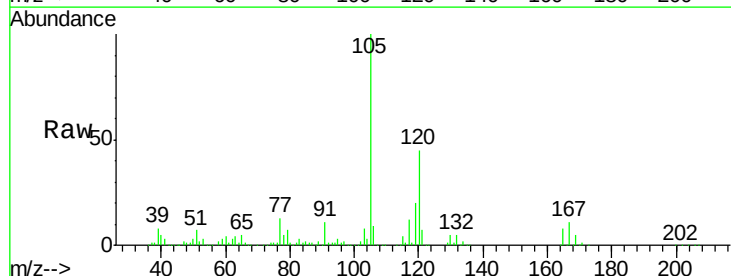
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

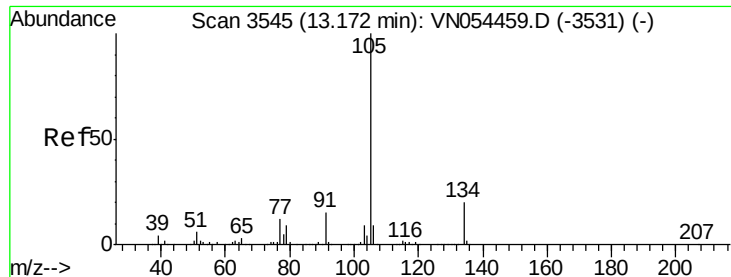
Tot Ion:119 Resp: 845872
 Ion Ratio Lower Upper
 119 100
 91 66.2 30.9 92.8
 134 24.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.59 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion:105 Resp: 987104
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 51.19 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

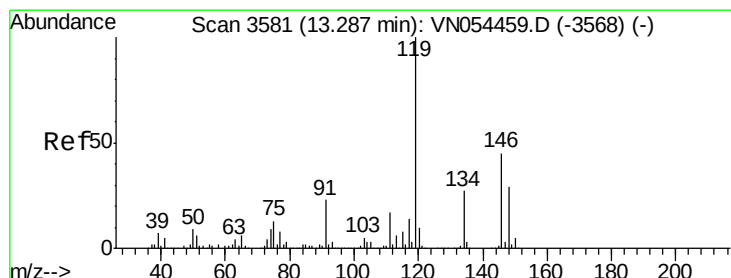
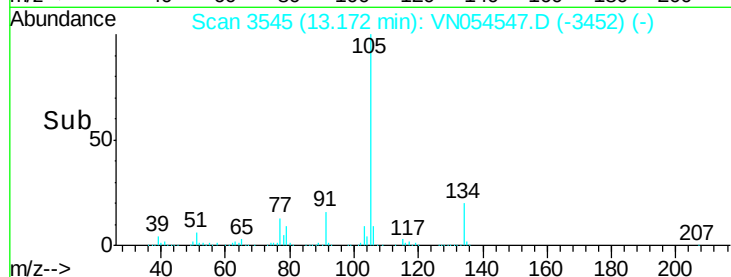
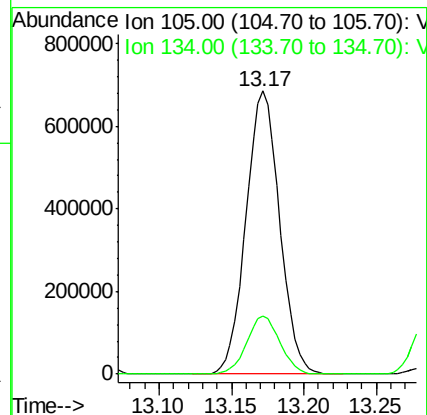
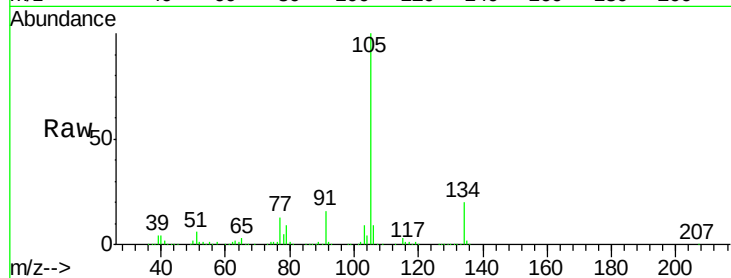
VSTDCCC050

Tot Ion:105 Resp: 1104416

Ion Ratio Lower Upper

105 100

134 20.3 10.7 32.1



#86

p-Isopropyltoluene

Concen: 52.23 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

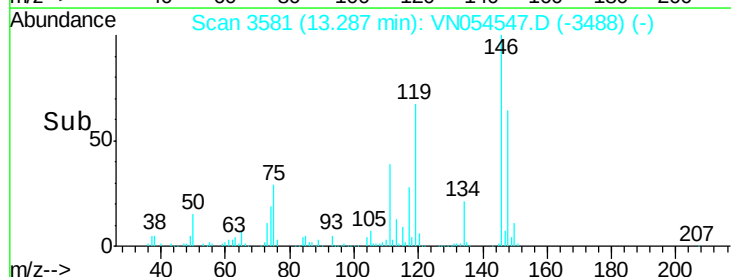
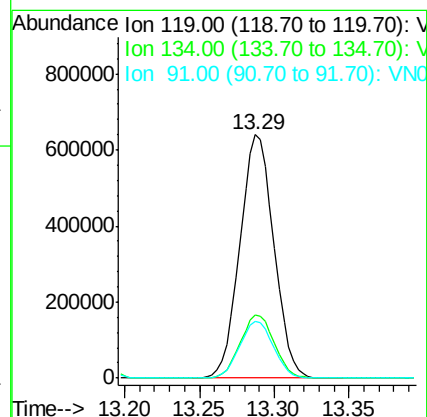
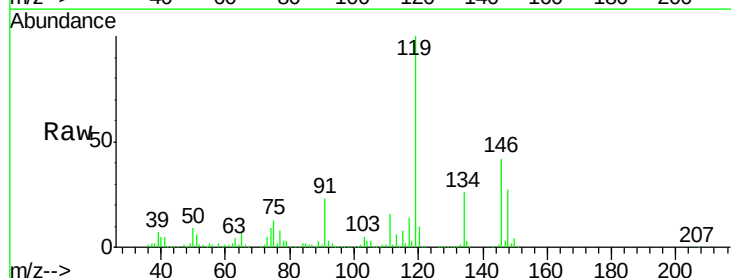
Tgt Ion:119 Resp: 1008214

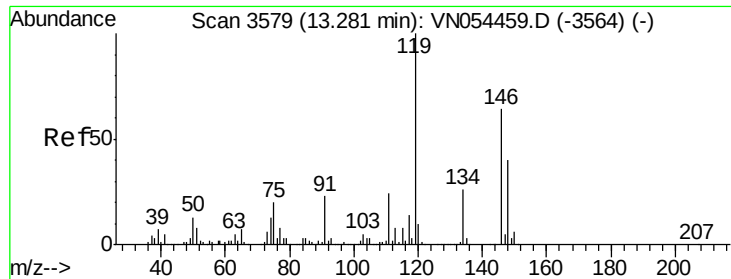
Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 23.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 50.34 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

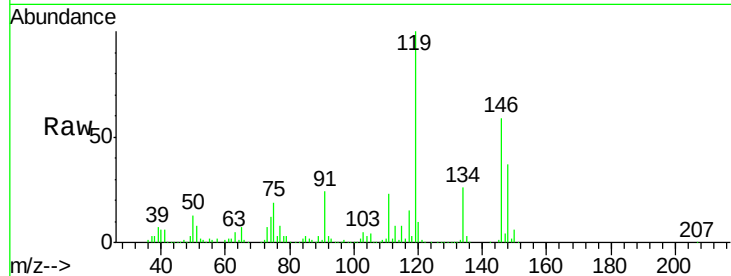
Tot Ion:146 Resp: 501972

Ion Ratio Lower Upper

146 100

111 39.5 18.8 56.3

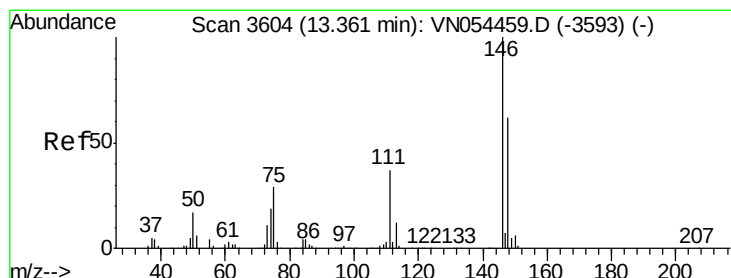
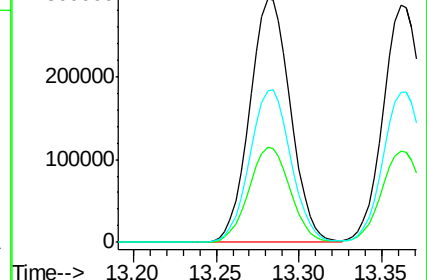
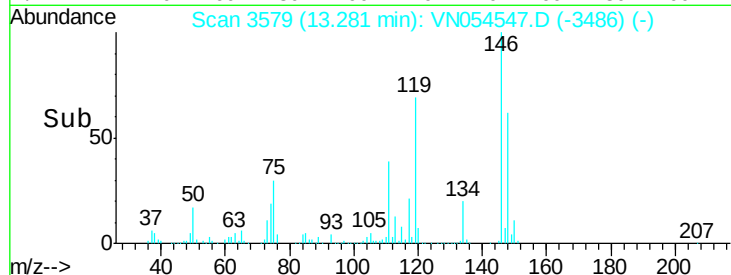
148 63.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.81 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

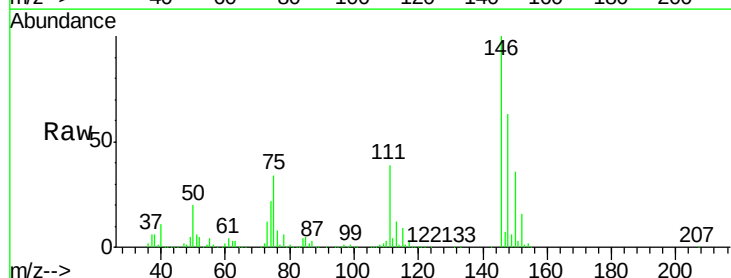
Tgt Ion:146 Resp: 483290

Ion Ratio Lower Upper

146 100

111 39.7 18.1 54.1

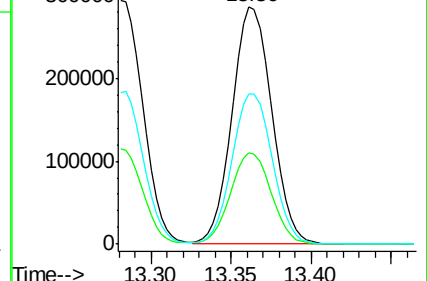
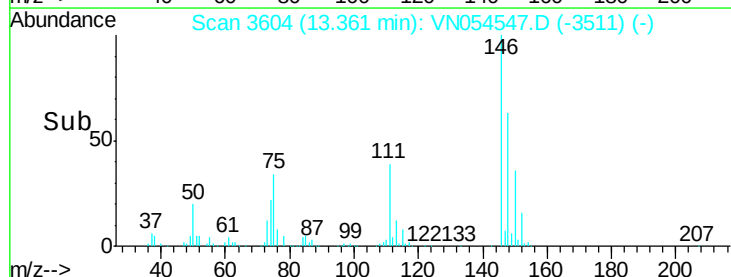
148 64.6 32.0 96.0

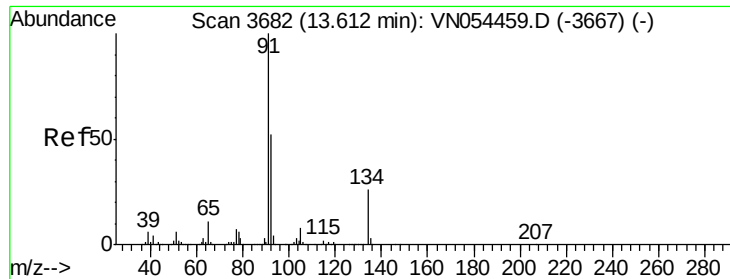


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

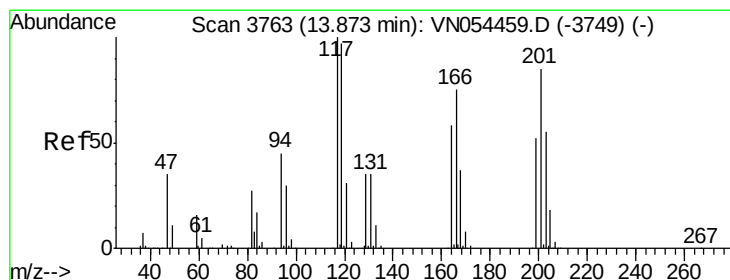
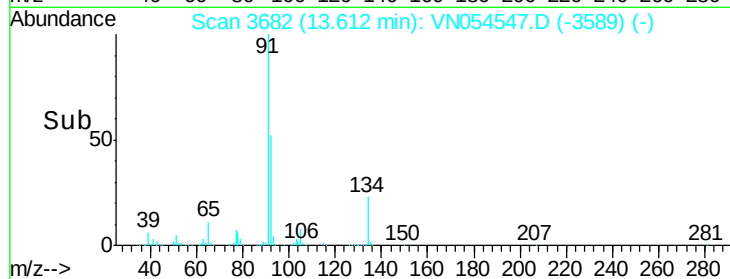
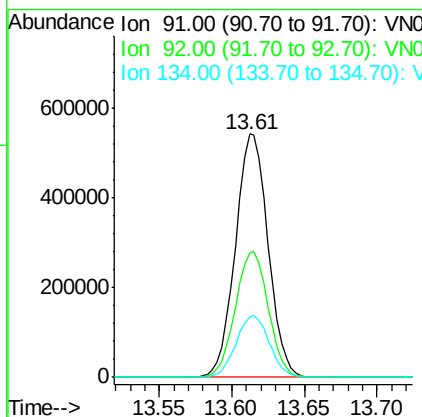
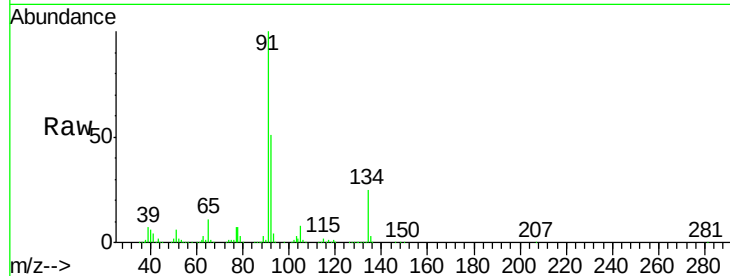




#89
n-Butylbenzene
Concen: 56.28 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

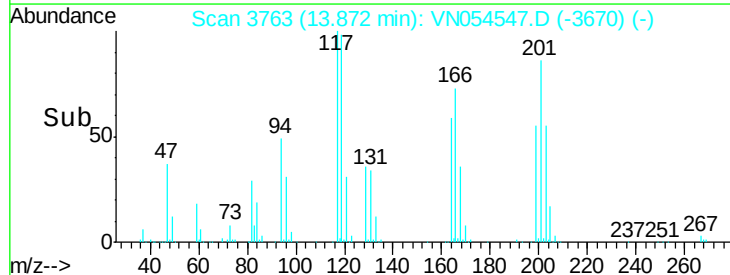
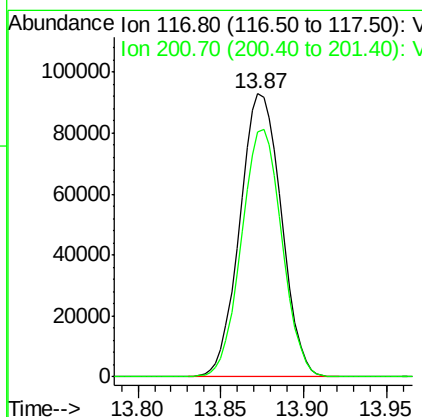
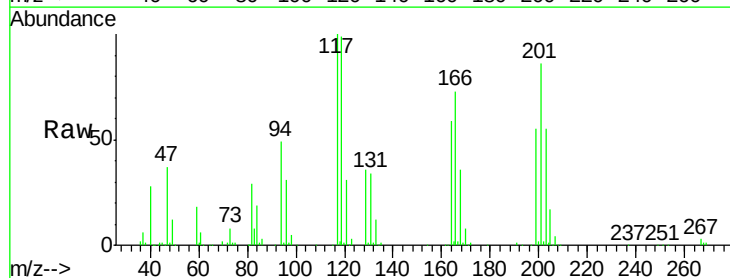
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

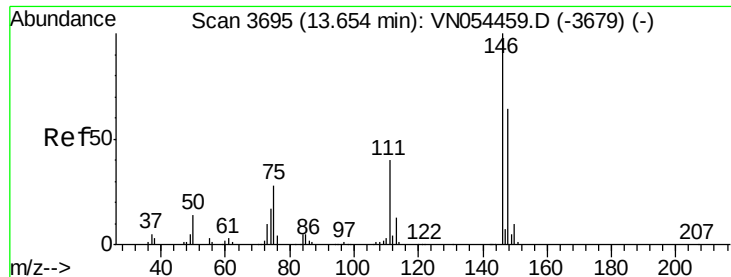
Tot Ion: 91 Resp: 849419
Ion Ratio Lower Upper
91 100
92 52.0 26.2 78.6
134 25.9 14.3 42.9



#90
Hexachloroethane
Concen: 54.10 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 117 Resp: 162091
Ion Ratio Lower Upper
117 100
201 85.3 48.1 144.4

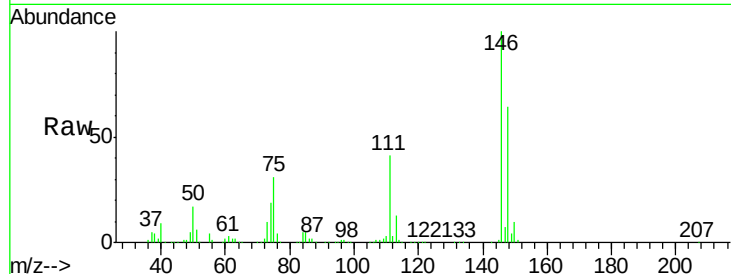




#91
 1,2-Dichlorobenzene
 Concen: 49.89 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.1	57.3
148	64.1	32.4	97.0

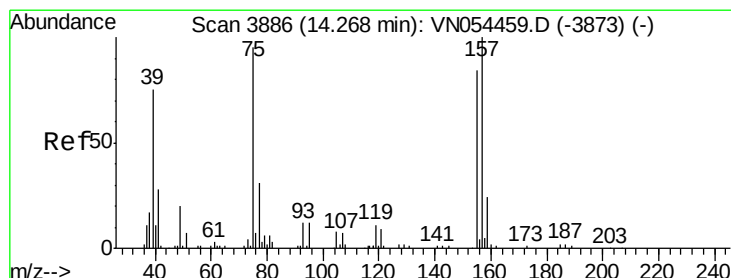
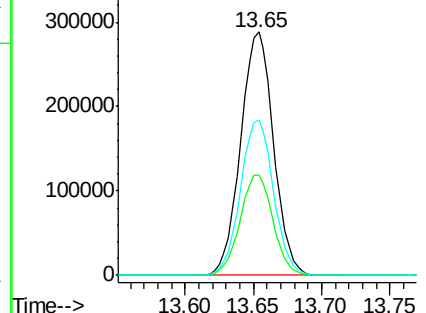
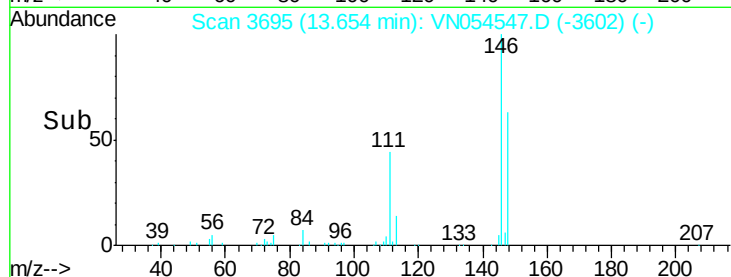


Abundance

Ion 145.90 (145.60 to 146.60): V

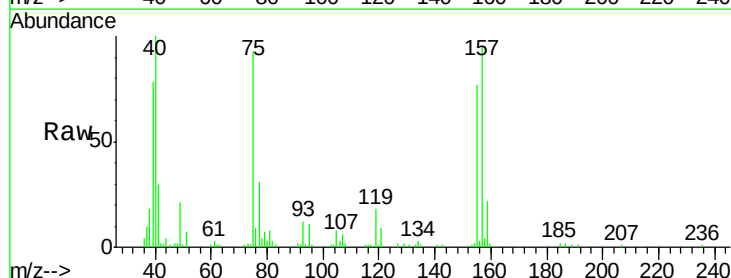
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.69 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	50.1	150.3
157	103.4	63.1	189.3

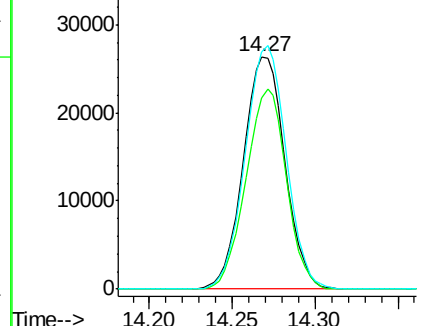
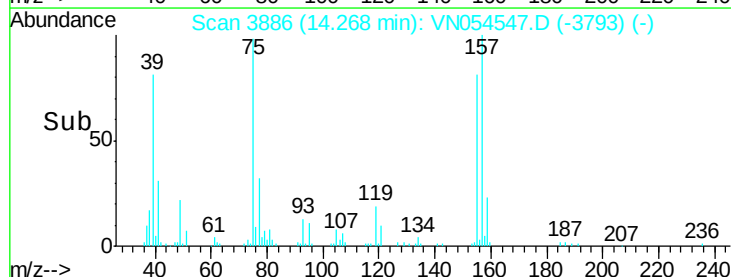


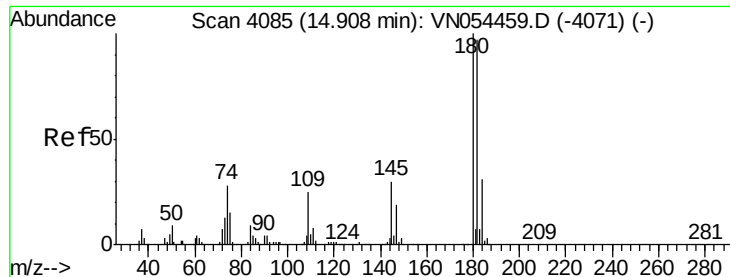
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

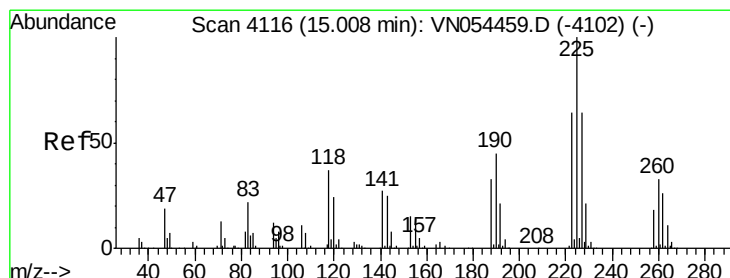
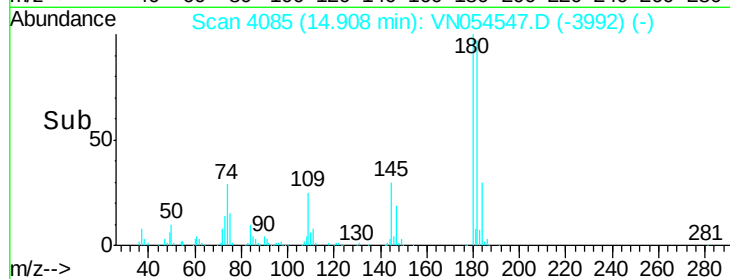
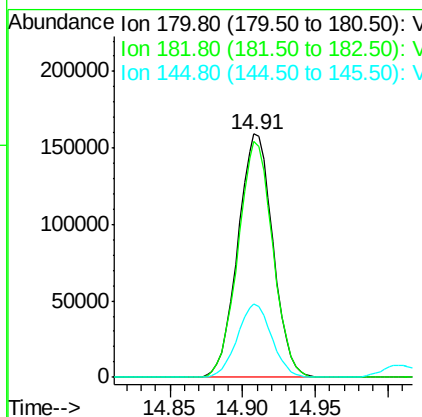
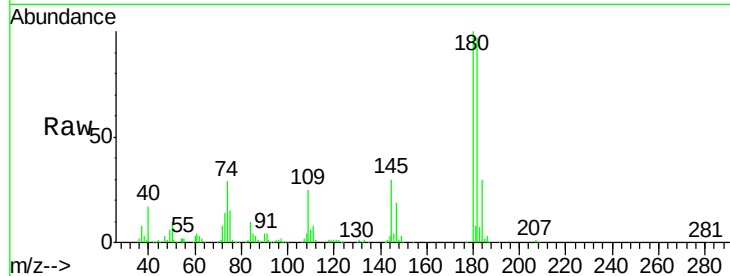




#93
 1,2,4-Trichlorobenzene
 Concen: 55.30 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

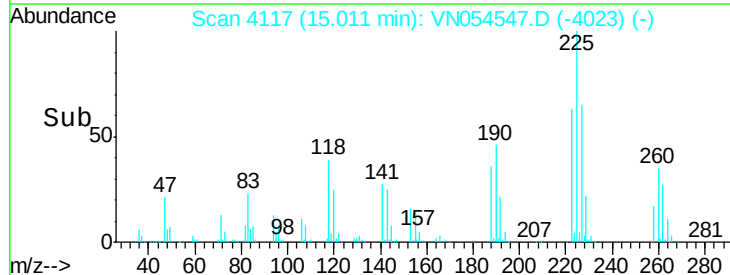
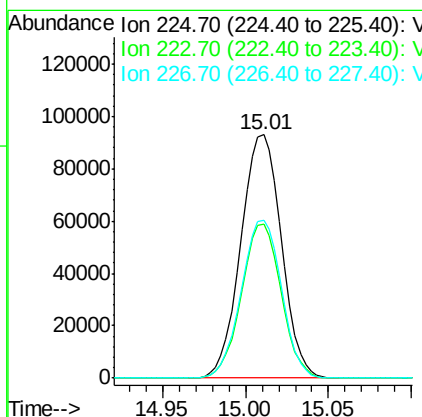
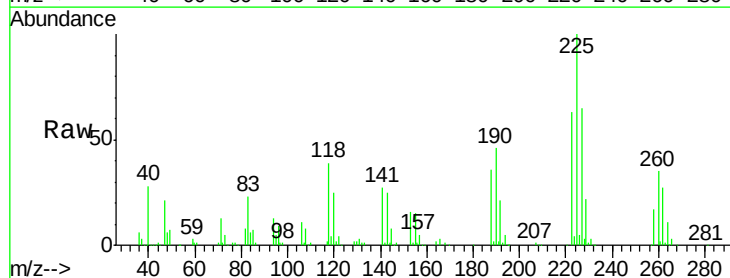
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

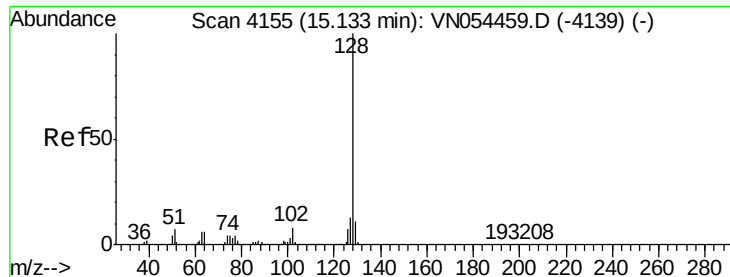
Tot Ion:180 Resp: 266248
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.0 144.2
 145 29.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 59.04 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion:225 Resp: 158488
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.1 93.5
 227 64.2 31.9 95.9

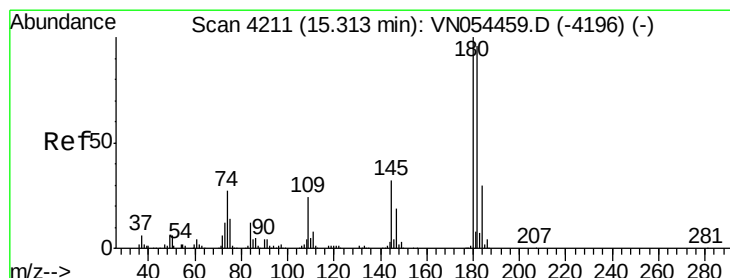
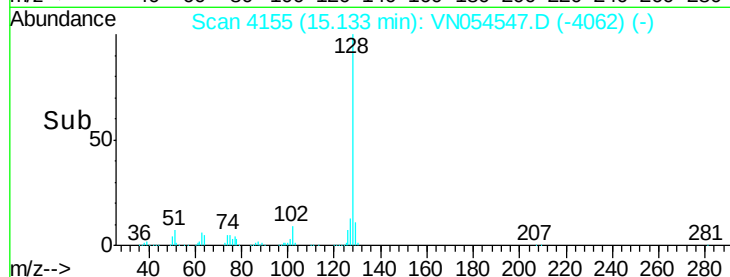
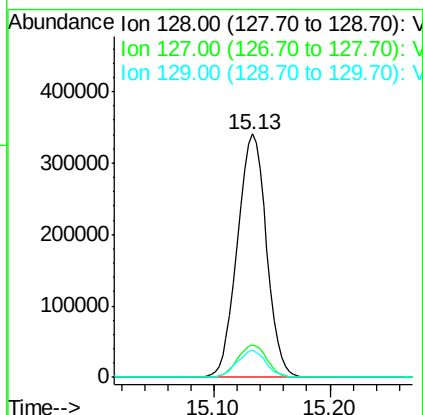
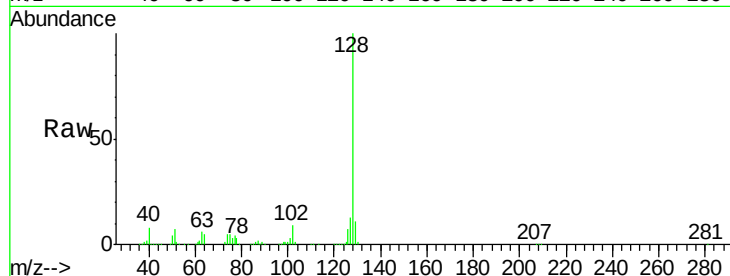




#95
Naphthalene
Concen: 55.16 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 592425
Ion Ratio Lower Upper
128 100
127 13.4 10.1 15.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.27 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion:180 Resp: 260073
Ion Ratio Lower Upper
180 100
182 94.4 47.5 142.6
145 30.3 14.8 44.3

