

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054526.D
 Acq On : 21 Mar 2019 22:07
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 22 10:18:19 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	7.67	168	490639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	817932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	704628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	304508	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	344823	56.50	ug/l	0.00
Spiked Amount			Recovery	=	113.00%	
35) Dibromofluoromethane	7.59	113	272209	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	10.09	98	1004818	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	337486	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	243414	51.896	ug/l	100
3) Chloromethane	2.06	50	325747	51.044	ug/l	98
4) Vinyl Chloride	2.19	62	324180	50.597	ug/l	99
5) Bromomethane	2.57	94	148388	35.816	ug/l	97
6) Chloroethane	2.71	64	184144	47.916	ug/l	99
7) Trichlorofluoromethane	3.02	101	391211	50.278	ug/l	98
8) Diethyl Ether	3.41	74	143597	47.985	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	206166	45.084	ug/l	95
10) Methyl Iodide	3.94	142	280106	41.641	ug/l	93
11) Tert butyl alcohol	4.82	59	106376	287.911	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	218664	46.206	ug/l #	79
13) Acrolein	3.61	56	129107	253.211	ug/l	93
14) Allyl chloride	4.32	41	474968	53.299	ug/l #	91
15) Acrylonitrile	5.00	53	532325	289.315	ug/l	99
16) Acetone	3.82	43	392128	213.717	ug/l #	84
17) Carbon Disulfide	4.04	76	611122	48.196	ug/l	100
18) Methyl Acetate	4.33	43	232809	56.927	ug/l	91
19) Methyl tert-butyl Ether	5.06	73	757441	54.843	ug/l	96
20) Methylene Chloride	4.54	84	279259	51.632	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	258440	53.482	ug/l	86
22) Diisopropyl ether	5.96	45	978813	55.685	ug/l	96
23) Vinyl Acetate	5.90	43	3650698	294.068	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	521347	55.085	ug/l	98
25) 2-Butanone	6.85	43	670403	285.233	ug/l	90
26) 2,2-Dichloropropane	6.82	77	322041	47.734	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	302043	52.403	ug/l	88
28) Bromochloromethane	7.20	49	266528	57.213	ug/l #	75
29) Tetrahydrofuran	7.22	42	460250	301.756	ug/l #	86
30) Chloroform	7.37	83	500888	54.230	ug/l	100
31) Cyclohexane	7.65	56	478233	52.839	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	417623	54.806	ug/l	96
36) 1,1-Dichloropropene	7.79	75	382381	49.999	ug/l	96
37) Ethyl Acetate	6.94	43	305299	56.128	ug/l	96
38) Carbon Tetrachloride	7.77	117	367659	49.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	407440	46.574	ug/l	89
40) Benzene	8.04	78	1118468	51.144	ug/l	99
41) Methacrylonitrile	7.18	41	176859	53.316	ug/l	88
42) 1,2-Dichloroethane	8.13	62	401506	50.414	ug/l	98
43) Isopropyl Acetate	8.17	43	510067	55.525	ug/l #	95
44) Trichloroethene	8.84	130	296329	48.738	ug/l	94
45) 1,2-Dichloropropane	9.12	63	311473	53.041	ug/l	99
46) Dibromomethane	9.21	93	182226	52.016	ug/l	91
47) Bromodichloromethane	9.40	83	384863	52.935	ug/l	96
48) Methyl methacrylate	9.20	41	266134	53.377	ug/l	88
49) 1,4-Dioxane	9.20	88	55518	996.015	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1454996	285.794	ug/l	94
52) Toluene	10.16	92	658587	48.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	359407	47.001	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	443226	53.167	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	250213	51.751	ug/l	96
56) Ethyl methacrylate	10.43	69	358931	55.309	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	440468	52.407	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	707567	264.785	ug/l	90
59) 2-Hexanone	10.75	43	905432	272.276	ug/l	93
60) Dibromochloromethane	10.90	129	274798	53.412	ug/l	100
61) 1,2-Dibromoethane	11.01	107	249864	52.273	ug/l	100
64) Tetrachloroethene	10.63	164	271730	46.493	ug/l	97
65) Chlorobenzene	11.43	112	701628	48.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	270920	52.668	ug/l	100
67) Ethyl Benzene	11.51	91	1249238	49.347	ug/l	97
68) m/p-Xylenes	11.62	106	927754	96.754	ug/l	96
69) o-Xylene	11.95	106	454457	48.530	ug/l	97
70) Styrene	11.96	104	756627	49.755	ug/l	97
71) Bromoform	12.13	173	167641	47.392	ug/l #	100
73) Isopropylbenzene	12.25	105	1196042	48.743	ug/l	98
74) N-amyl acetate	12.07	43	404798	57.373	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	303158	54.122	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	364842	75.504	ug/l #	100
77) Bromobenzene	12.53	156	300148	49.320	ug/l	86
78) n-propylbenzene	12.59	91	1305886	49.079	ug/l	97
79) 2-Chlorotoluene	12.67	91	803087	48.401	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	976579	48.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65482	46.925	ug/l #	84
82) 4-Chlorotoluene	12.77	91	787545	48.966	ug/l	96
83) tert-Butylbenzene	12.99	119	852672	48.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	972164	49.265	ug/l	99
85) sec-Butylbenzene	13.17	105	1052029	48.209	ug/l	97
86) p-Isopropyltoluene	13.29	119	948311	48.573	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	493329	48.917	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	478900	48.806	ug/l	98
89) n-Butylbenzene	13.62	91	744877	48.794	ug/l	98
90) Hexachloroethane	13.88	117	157425	51.947	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	490922	50.257	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47720	58.082	ug/l	85

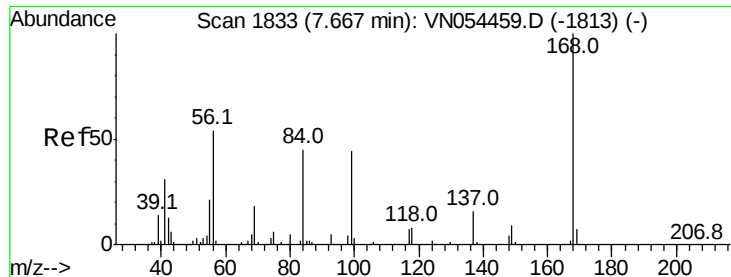
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245608	50.438	ug/l	99
94) Hexachlorobutadiene	15.01	225	134251	49.021	ug/l	99
95) Naphthalene	15.13	128	574936	52.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	247529	51.073	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

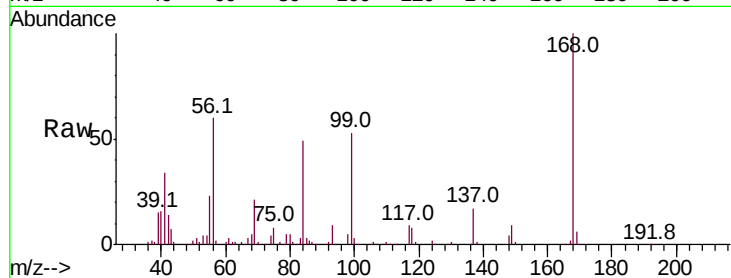
VSTDCCC050EC

Tot Ion:168 Resp: 490639

Ion Ratio Lower Upper

168 100

99 52.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

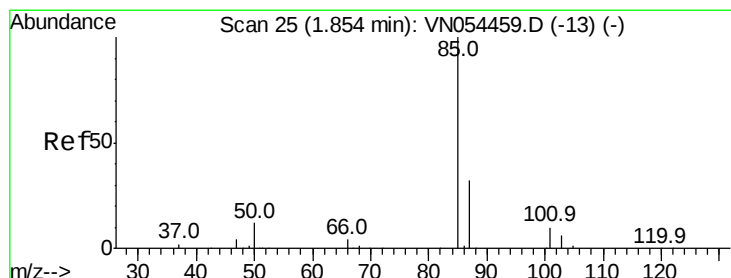
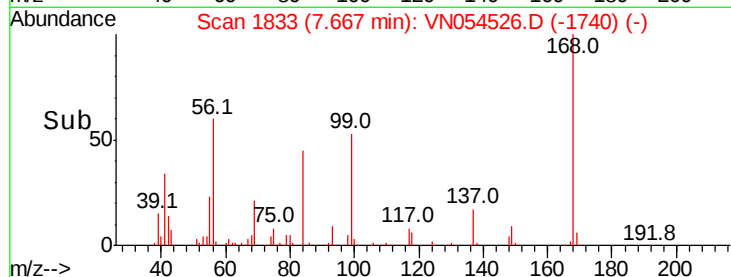
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 51.896 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054526.D

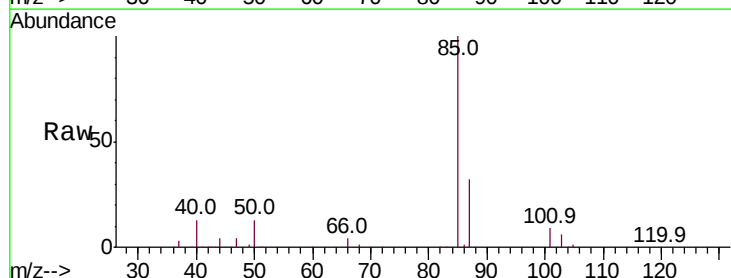
Acq: 21 Mar 2019 22:07

Tgt Ion: 85 Resp: 243414

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

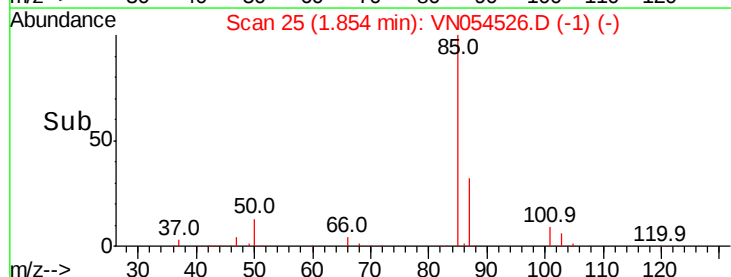
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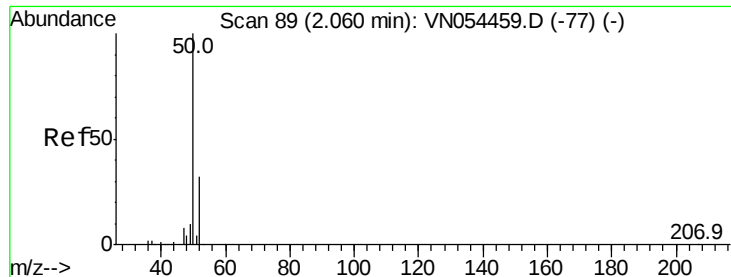
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 51.044 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

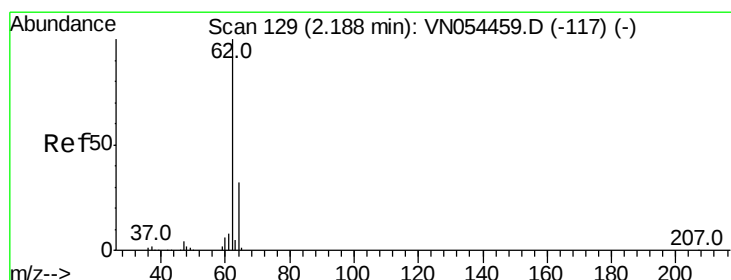
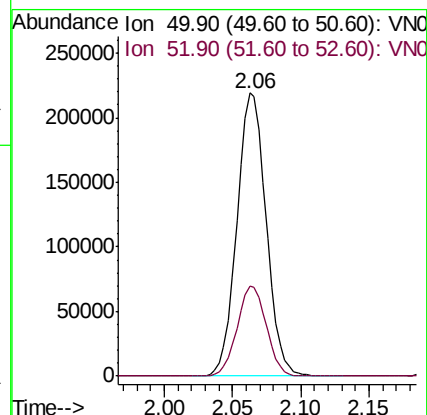
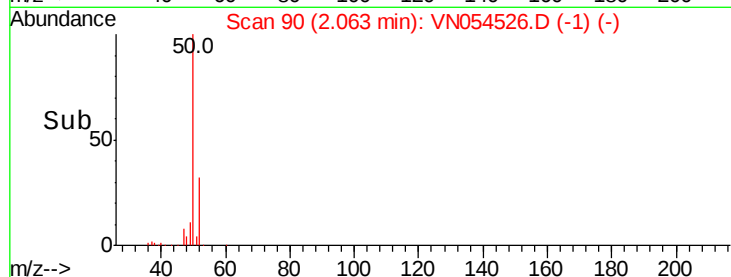
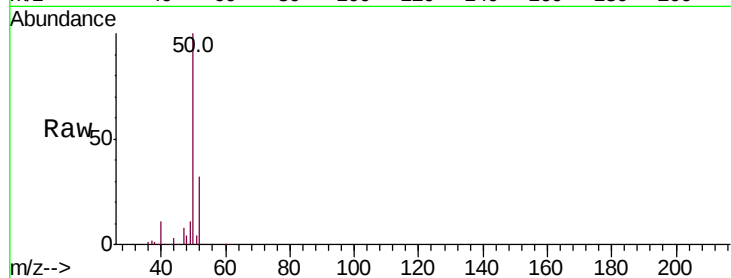
VSTDCCC050EC

Tot Ion: 50 Resp: 325747

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 50.597 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054526.D

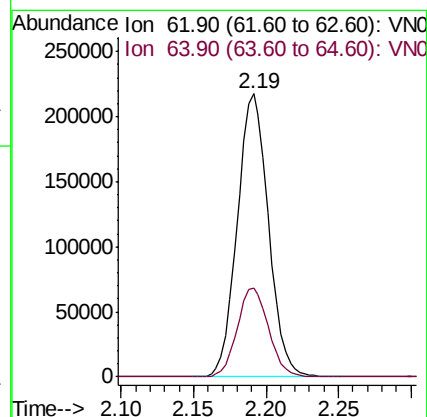
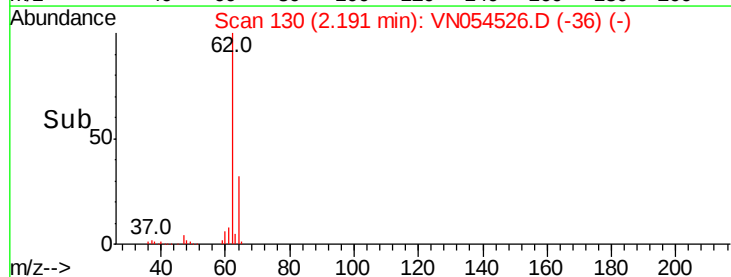
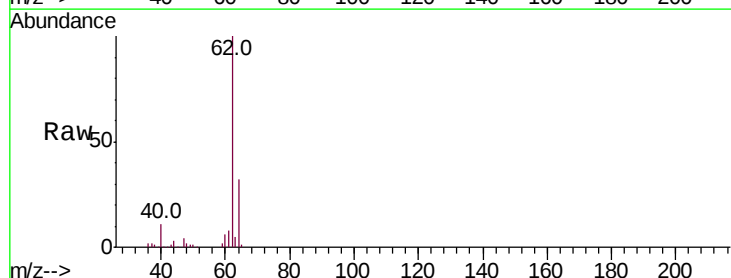
Acq: 21 Mar 2019 22:07

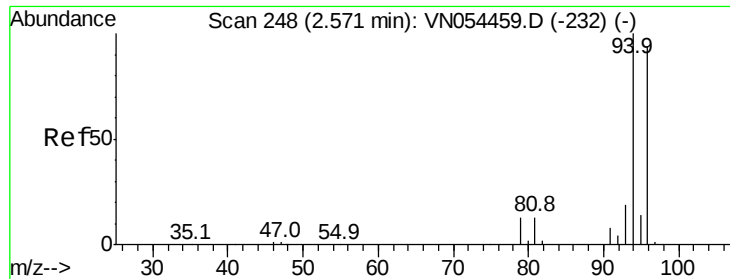
Tgt Ion: 62 Resp: 324180

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 35.816 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

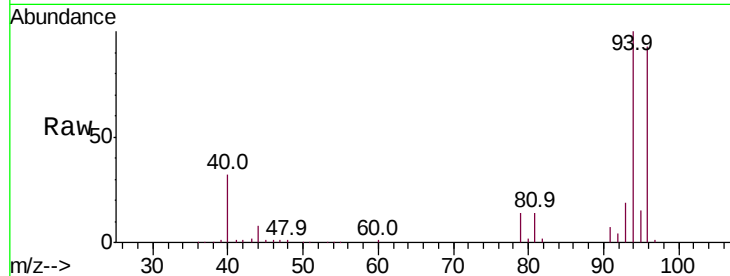
VSTDCCC050EC

Tot Ion: 94 Resp: 148388

Ion Ratio Lower Upper

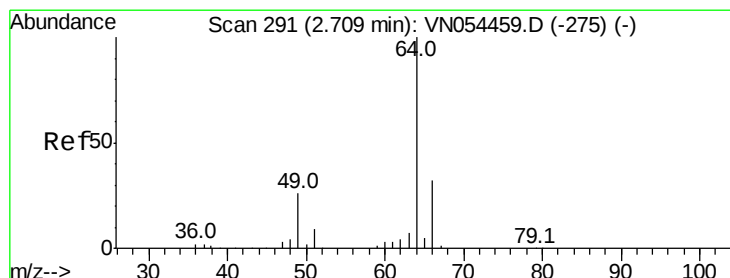
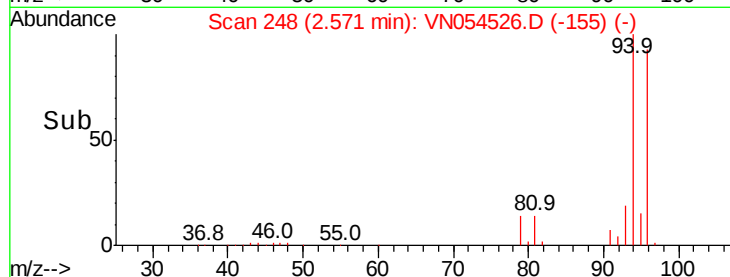
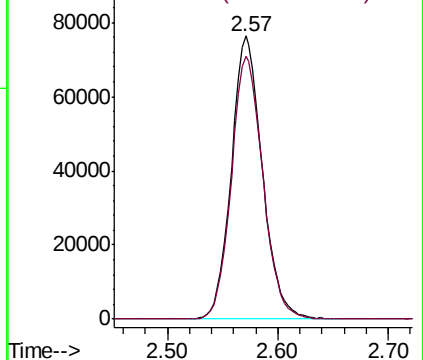
94 100

96 93.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.916 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054526.D

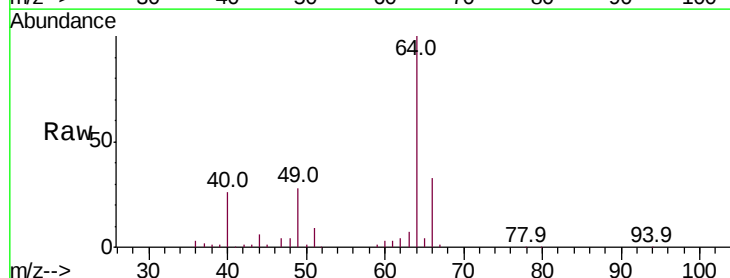
Acq: 21 Mar 2019 22:07

Tgt Ion: 64 Resp: 184144

Ion Ratio Lower Upper

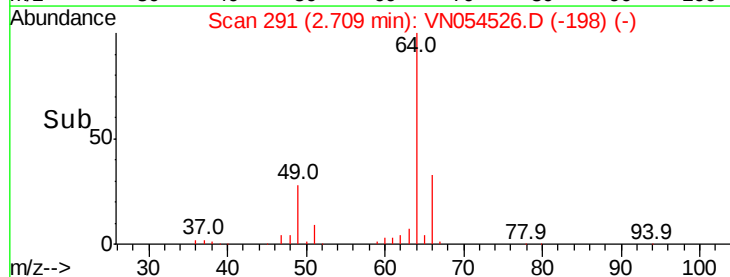
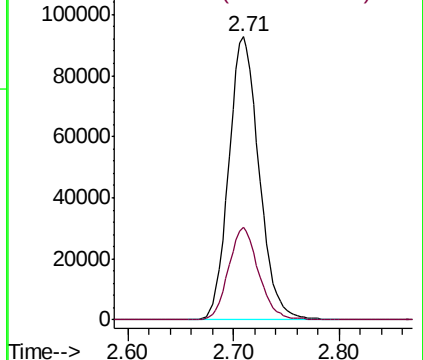
64 100

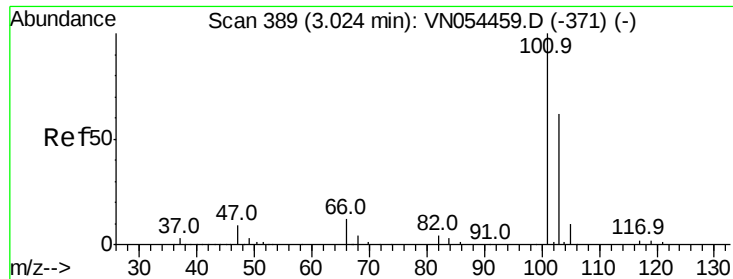
66 32.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



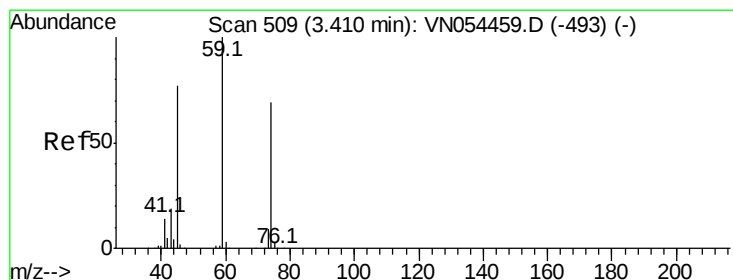
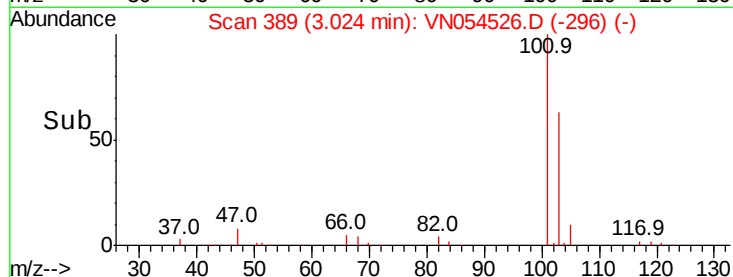
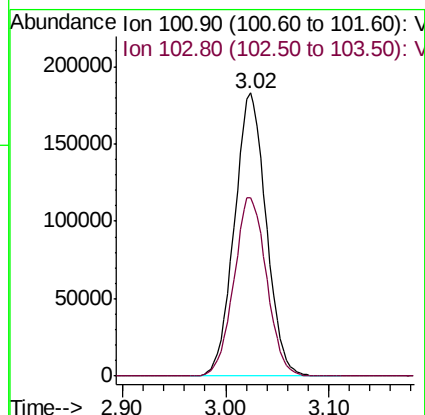
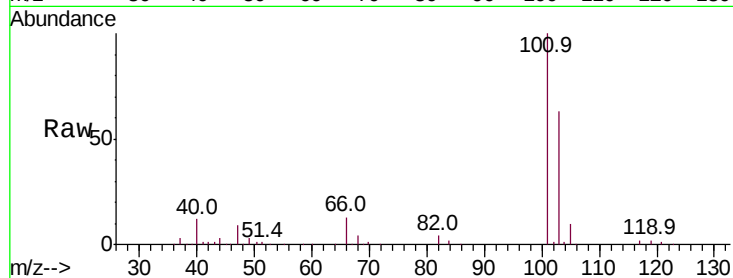


#7

Trichlorofluoromethane
 Concen: 50.278 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

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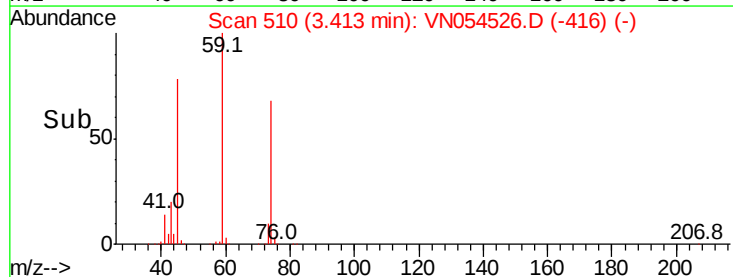
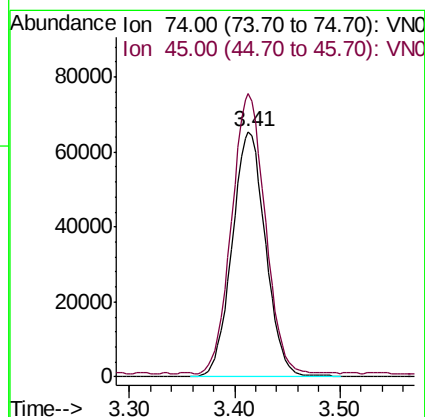
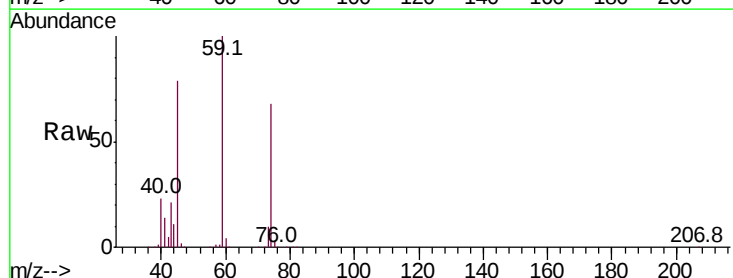
Tot Ion:101 Resp: 391211
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.4 77.2

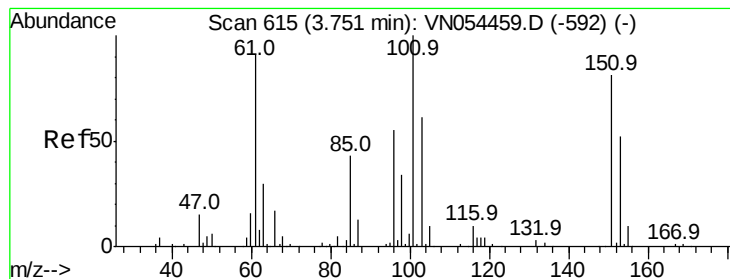


#8

Diethyl Ether
 Concen: 47.985 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion: 74 Resp: 143597
 Ion Ratio Lower Upper
 74 100
 45 114.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.084 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

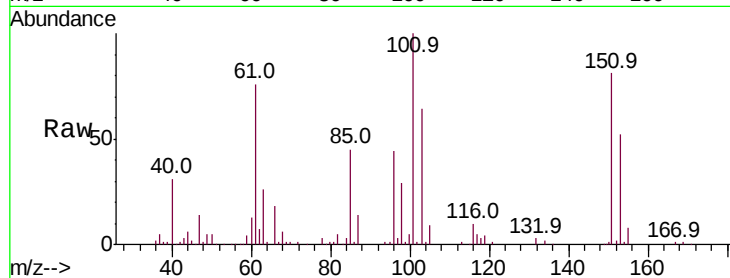
Tot Ion:101 Resp: 206166

Ion Ratio Lower Upper

101 100

85 45.7 32.4 48.6

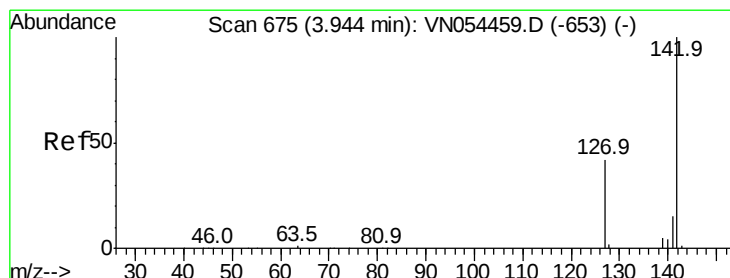
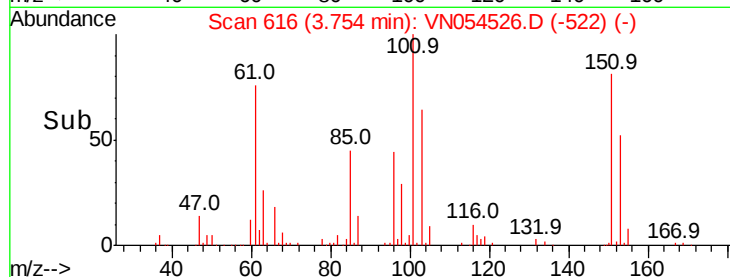
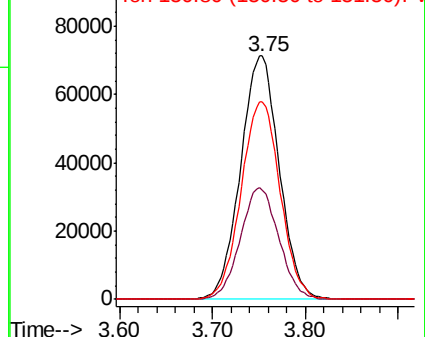
151 82.0 68.2 102.2



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: 41.641 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

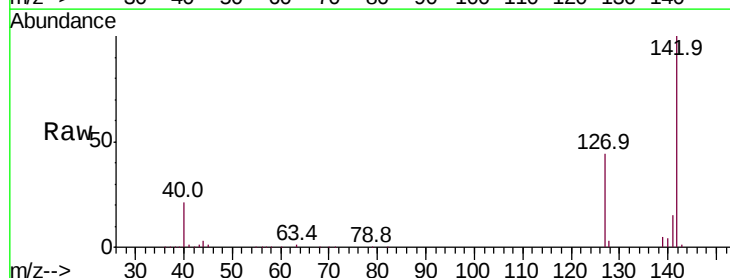
Tgt Ion:142 Resp: 280106

Ion Ratio Lower Upper

142 100

127 43.8 30.3 45.5

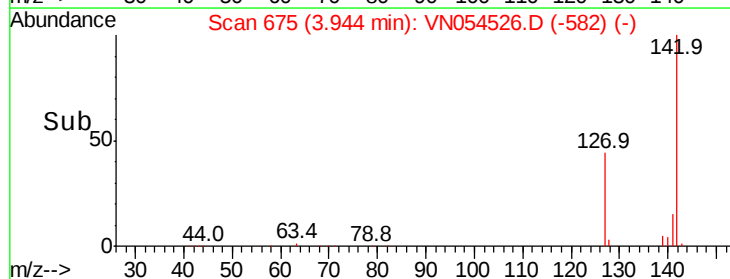
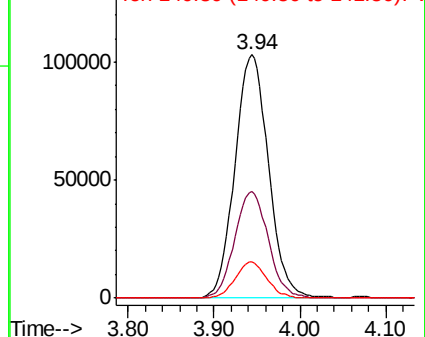
141 14.1 11.2 16.8

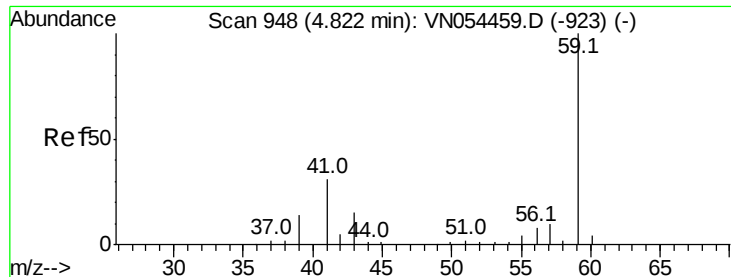


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

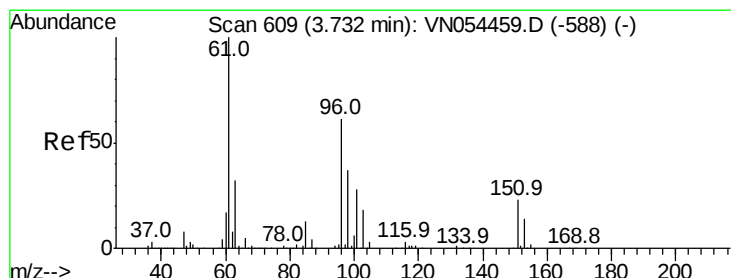
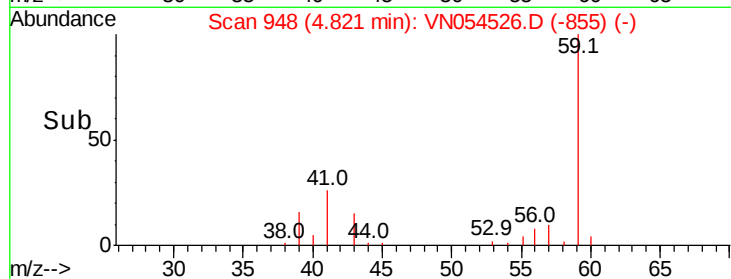
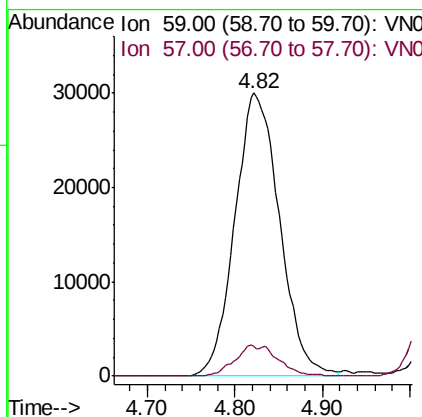
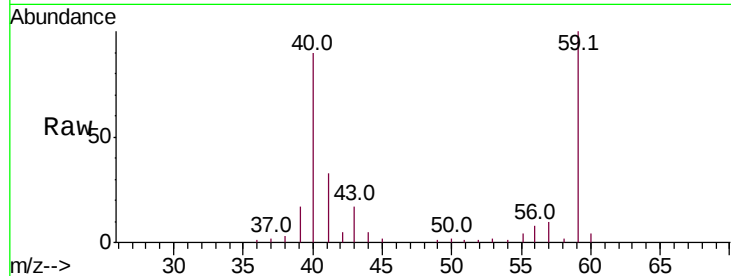




#11
Tert butyl alcohol
Concen: 287.911 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

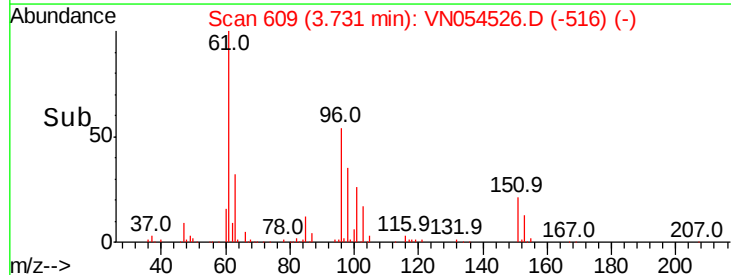
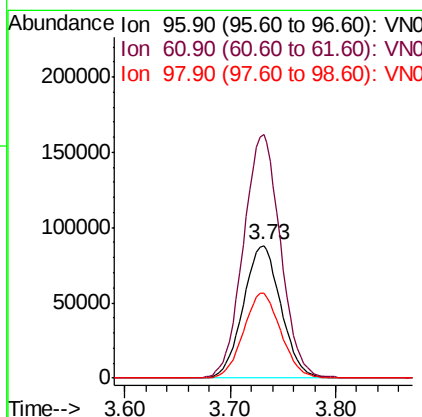
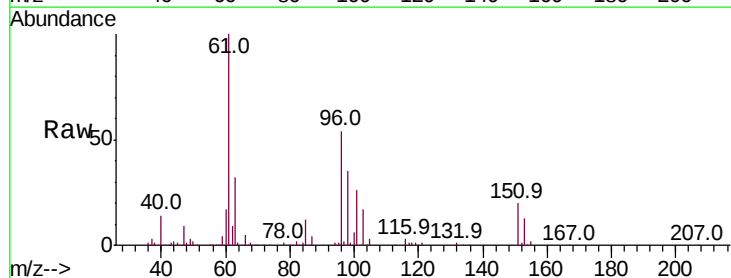
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

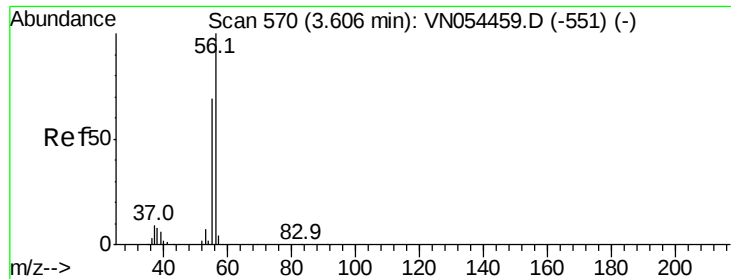
Tot Ion: 59 Resp: 106376
Ion Ratio Lower Upper
59 100
57 5.3 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 46.206 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 96 Resp: 218664
Ion Ratio Lower Upper
96 100
61 183.7 116.5 174.7#
98 63.9 51.0 76.4





#13

Acrolein

Concen: 253.211 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

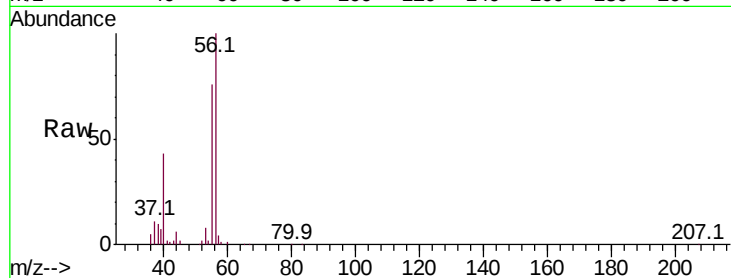
VSTDCCC050EC

Tot Ion: 56 Resp: 129107

Ion Ratio Lower Upper

56 100

55 76.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

60000

50000

40000

30000

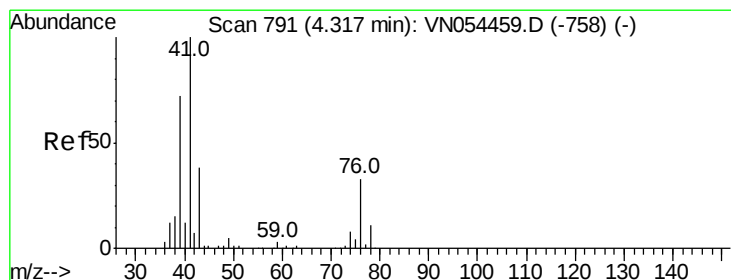
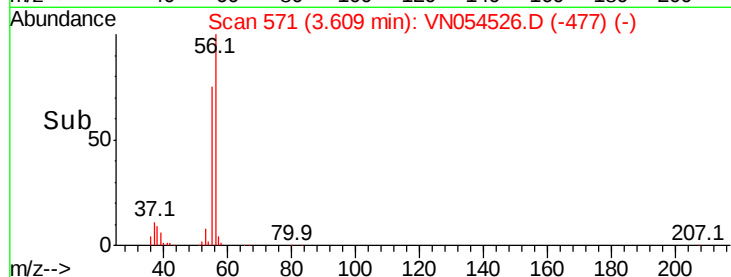
20000

10000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 53.299 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

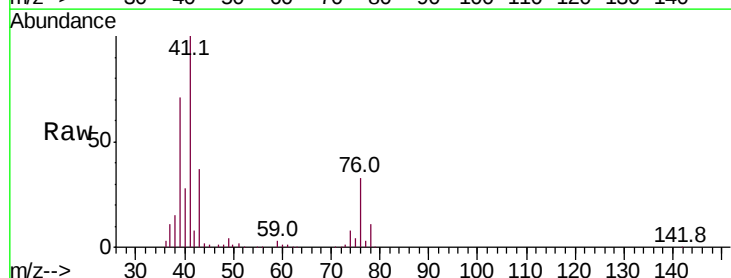
Tgt Ion: 41 Resp: 474968

Ion Ratio Lower Upper

41 100

39 68.4 58.2 87.4

76 30.1 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

200000

150000

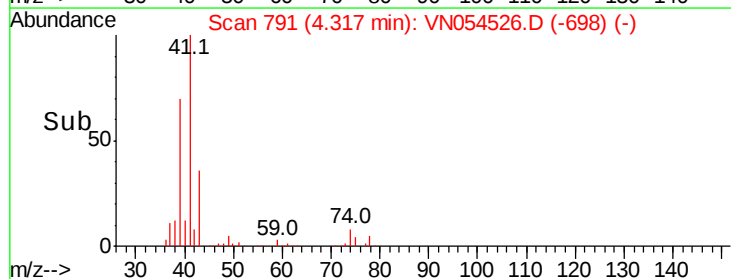
100000

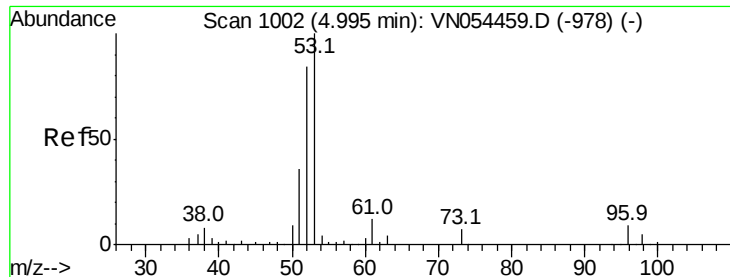
50000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 289.315 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

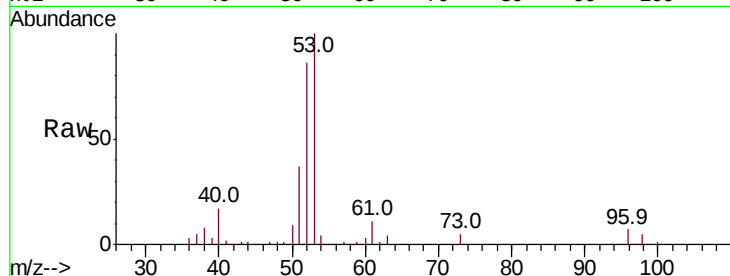
Tot Ion: 53 Resp: 532325

Ion Ratio Lower Upper

53 100

52 84.2 66.4 99.6

51 37.6 29.6 44.4

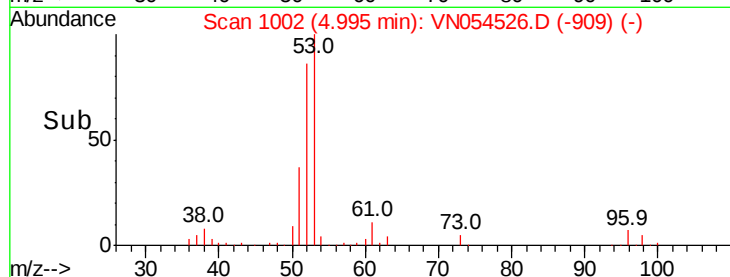


Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)

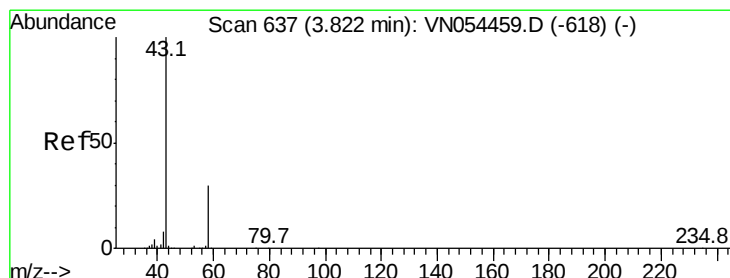
Ion 52.00 (51.70 to 52.70): VN054459.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN054459.D (-978) (-)

5.00



Time-->



#16

Acetone

Concen: 213.717 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054526.D

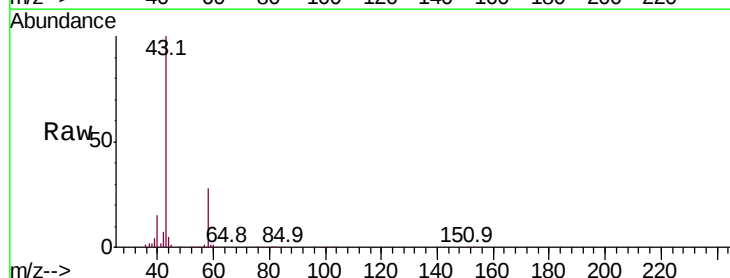
Acq: 21 Mar 2019 22:07

Tgt Ion: 43 Resp: 392128

Ion Ratio Lower Upper

43 100

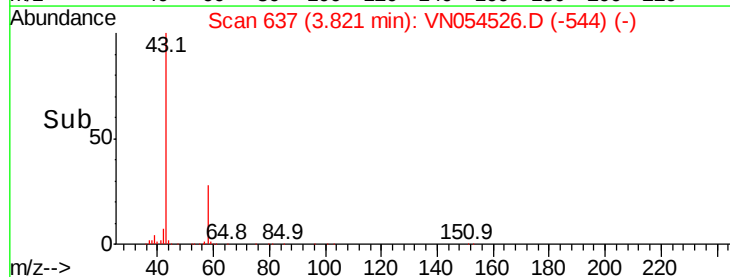
58 27.9 29.9 44.9#



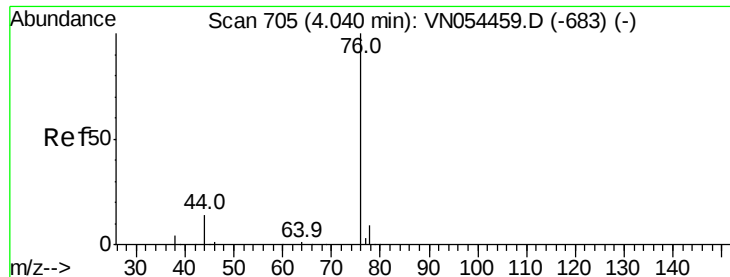
Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-618) (-)

3.82



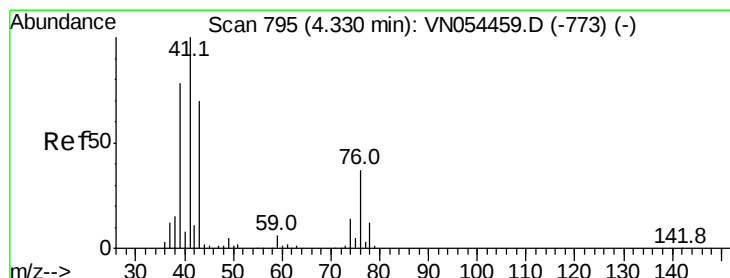
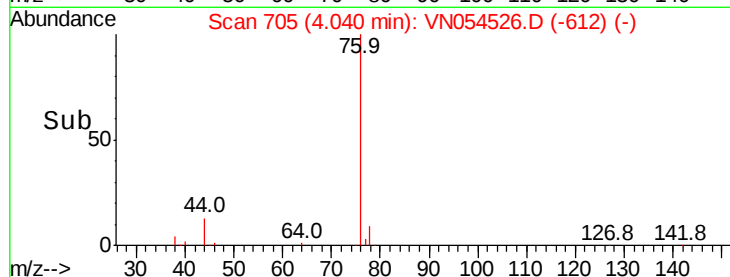
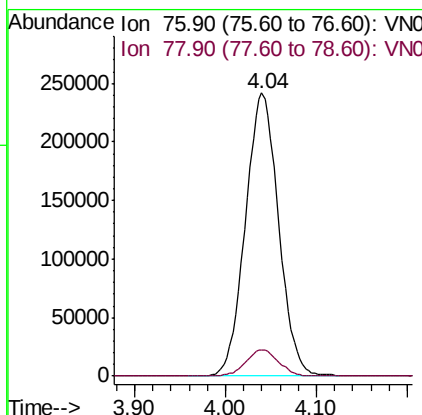
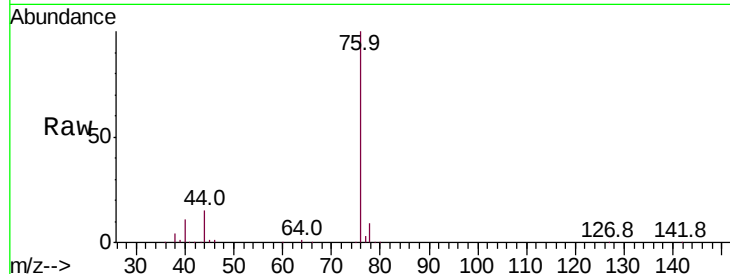
Time-->



#17
Carbon Disulfide
Concen: 48.196 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

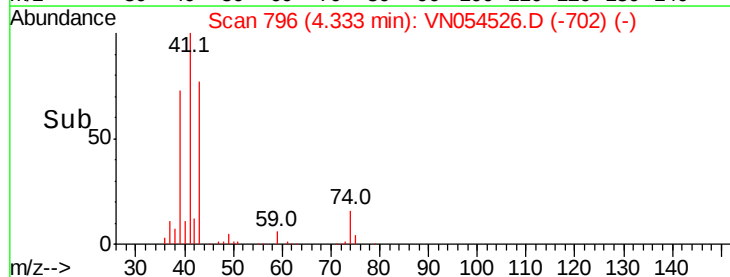
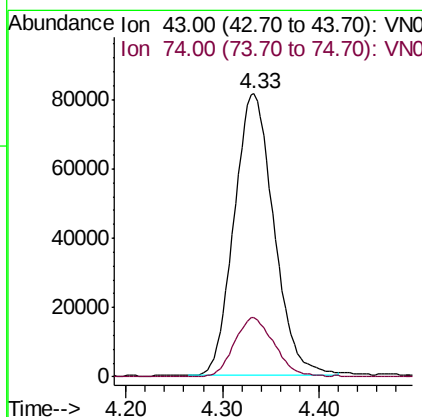
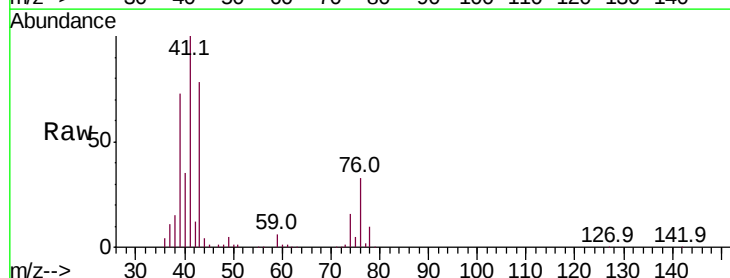
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

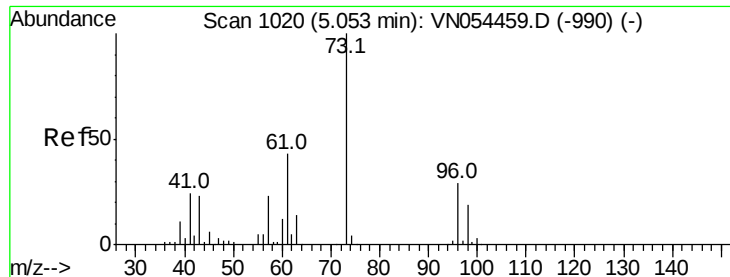
Tot Ion: 76 Resp: 611122
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 56.927 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 43 Resp: 232809
Ion Ratio Lower Upper
43 100
74 21.2 20.8 31.2

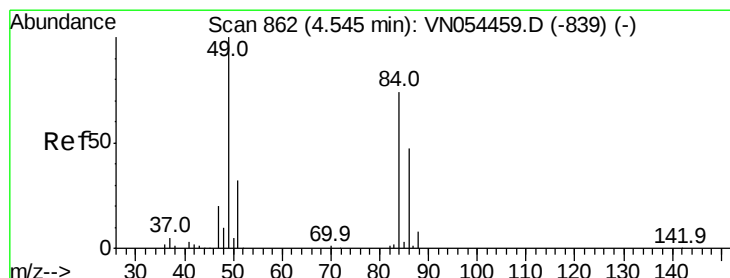
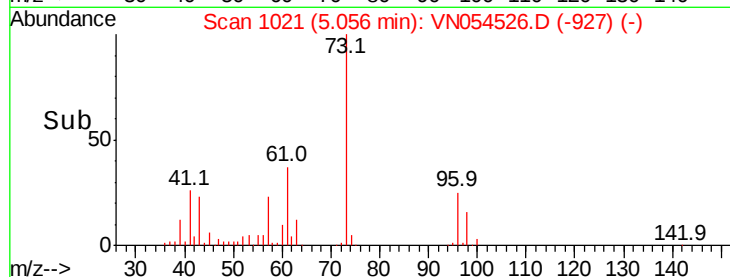
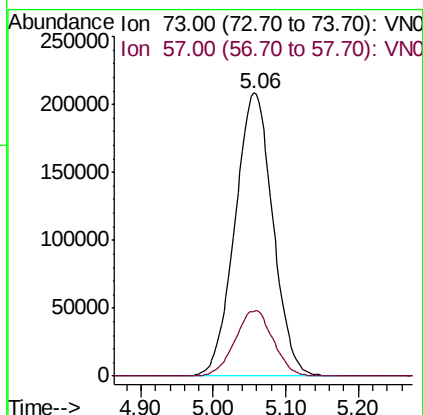
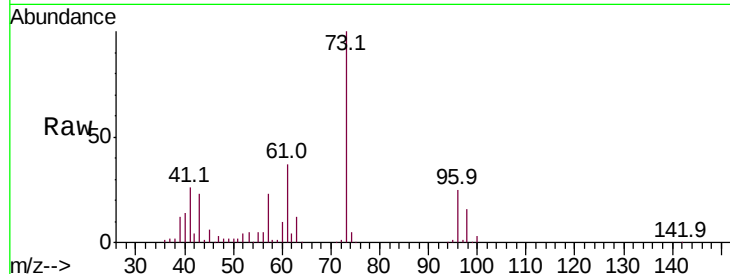




#19
Methvl tert-butvl Ether
Concen: 54.843 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

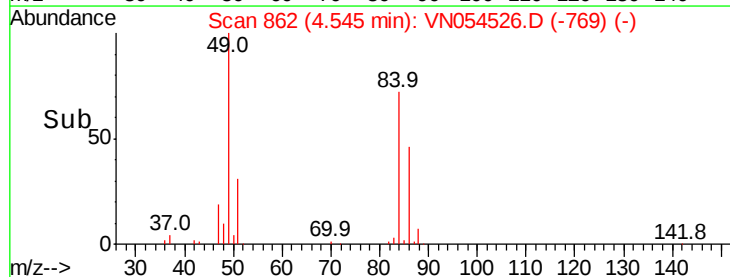
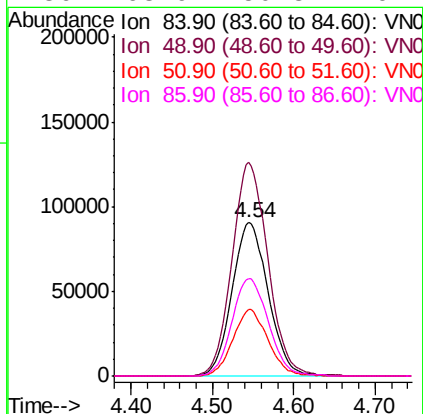
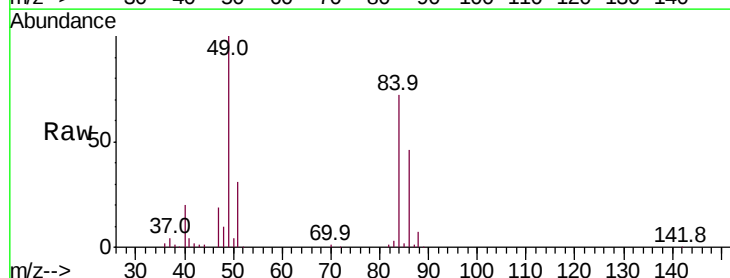
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

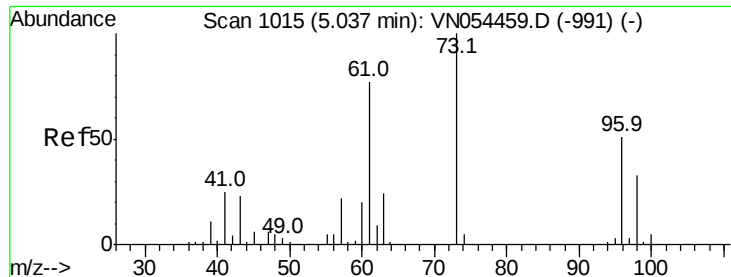
Tot Ion: 73 Resp: 757441
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2



#20
Methylene Chloride
Concen: 51.632 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 84 Resp: 279259
Ion Ratio Lower Upper
84 100
49 139.4 89.7 134.5#
51 43.4 28.2 42.4#
86 63.9 50.8 76.2

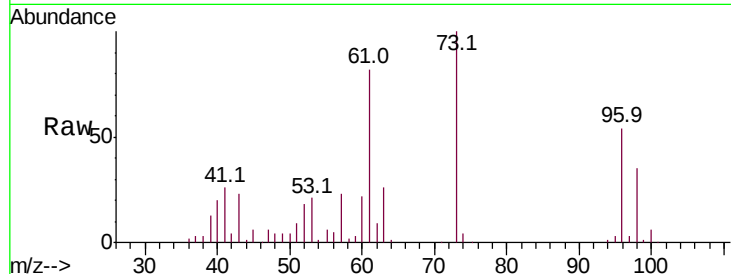




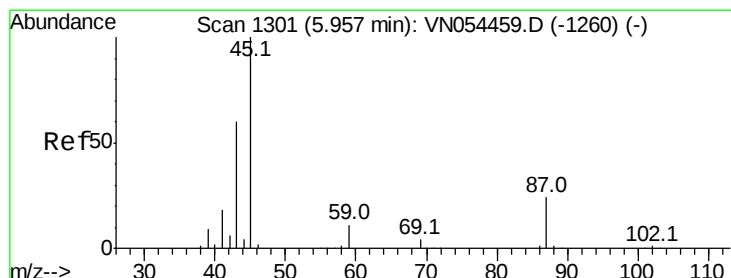
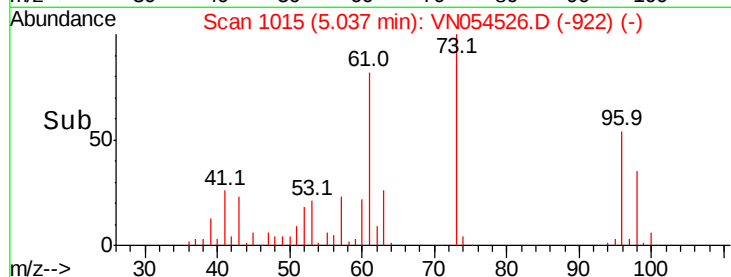
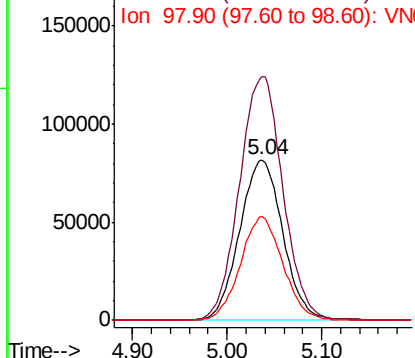
#21
trans-1,2-Dichloroethene
Concen: 53.482 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 258440
Ion Ratio Lower Upper
96 100
61 151.5 102.8 154.2
98 64.5 50.0 75.0

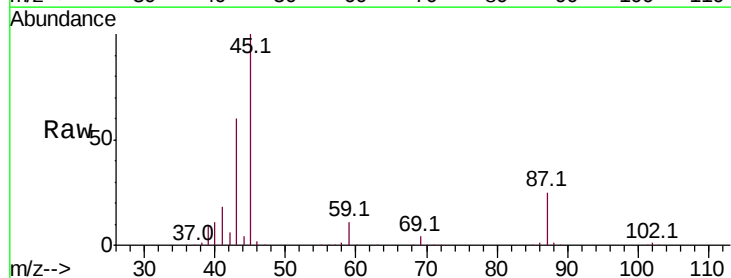


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

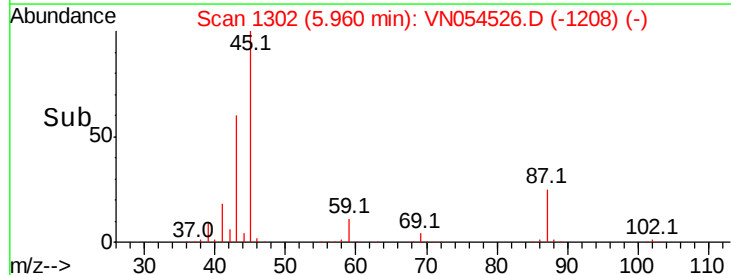
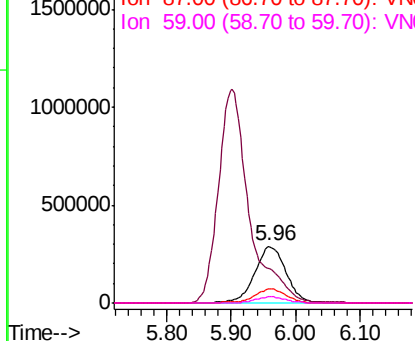


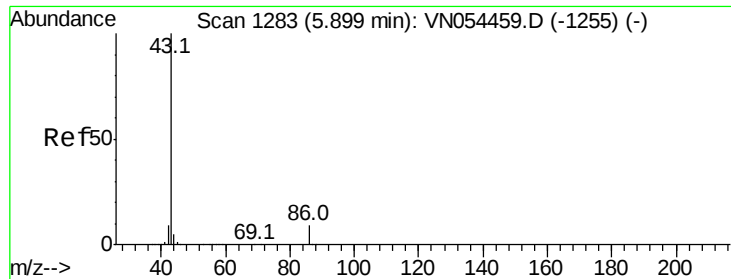
#22
Diisopropyl ether
Concen: 55.685 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 45 Resp: 978813
Ion Ratio Lower Upper
45 100
43 59.9 48.2 72.2
87 24.9 24.9 37.3
59 10.8 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: 294.068 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

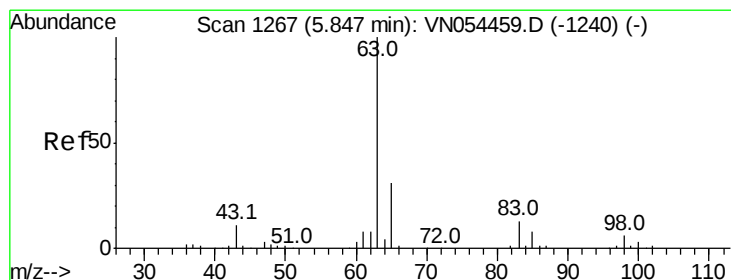
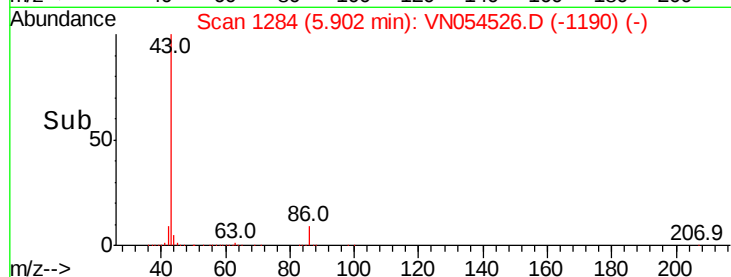
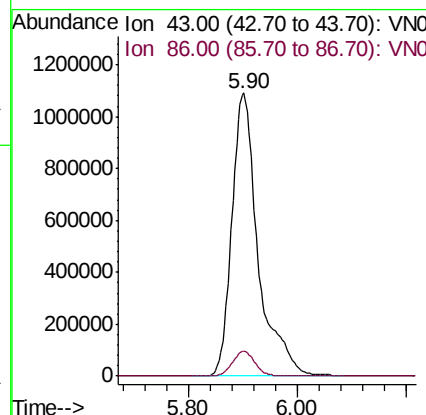
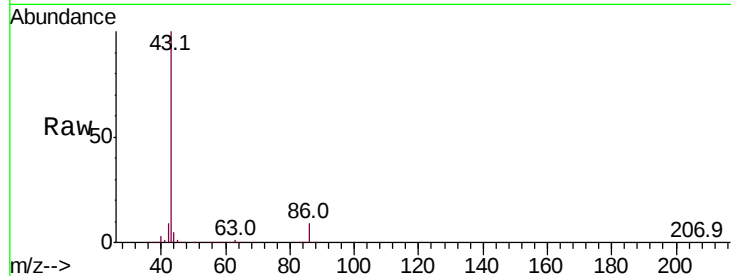
Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 3650698

Ion	Ratio	Lower	Upper
43	100		
86	8.8	9.1	13.7#



#24

1,1-Dichloroethane

Concen: 55.085 ug/l

RT: 5.85 min Scan# 1267

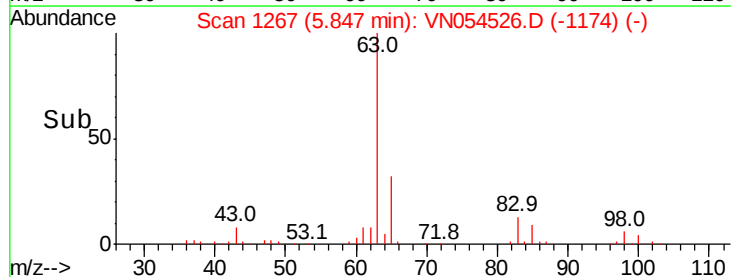
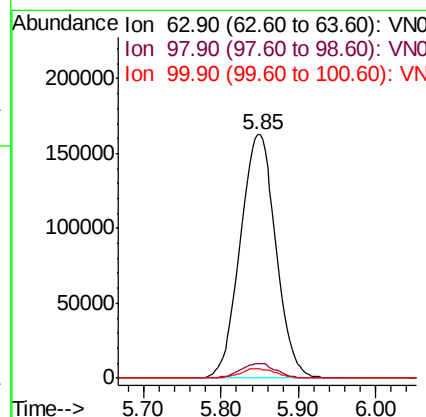
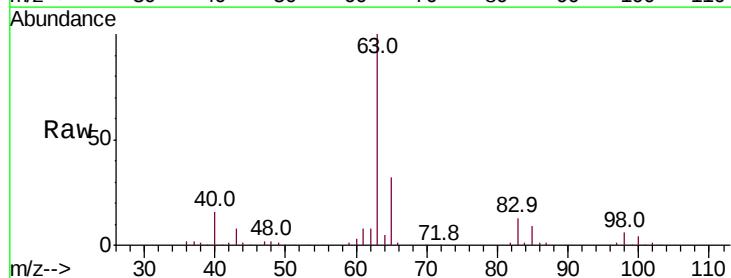
Delta R.T. -0.00 min

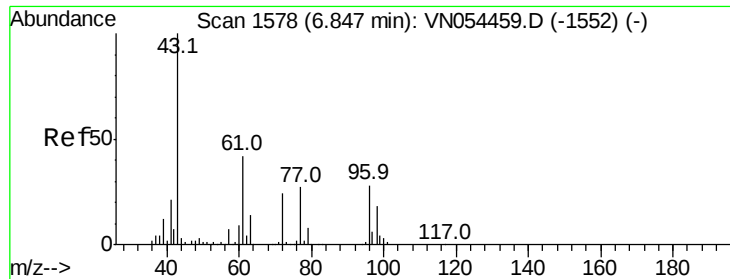
Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion: 63 Resp: 521347

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.5	10.5
100	3.8	2.0	6.0





#25

2-Butanone

Concen: 285.233 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

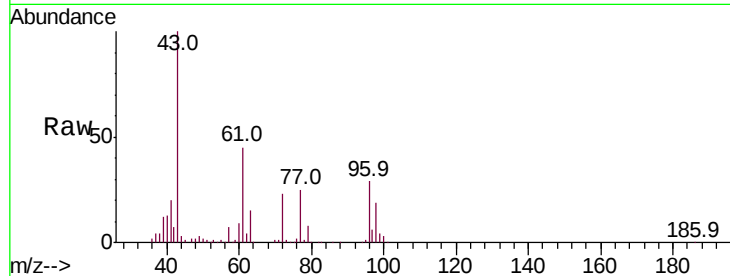
VSTDCCC050EC

Tot Ion: 43 Resp: 670403

Ion Ratio Lower Upper

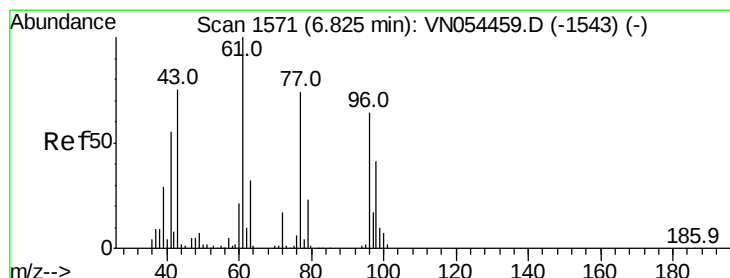
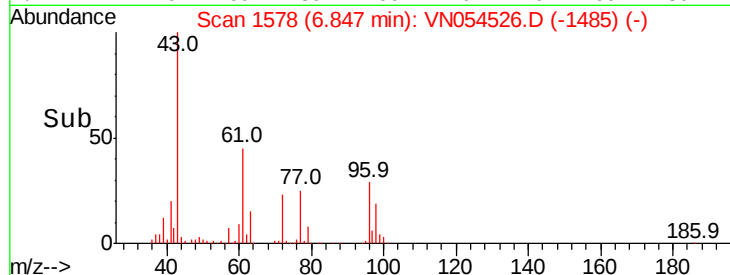
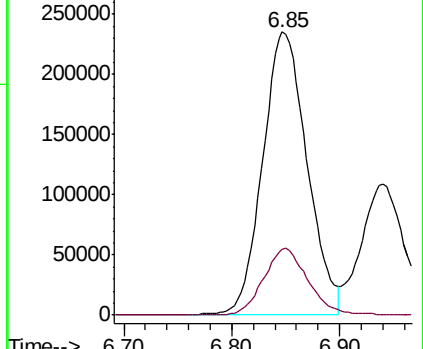
43 100

72 23.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.734 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054526.D

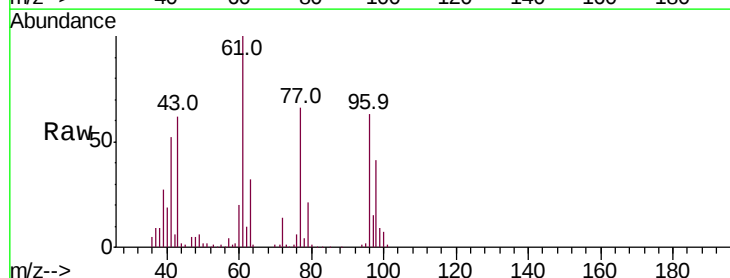
Acq: 21 Mar 2019 22:07

Tgt Ion: 77 Resp: 322041

Ion Ratio Lower Upper

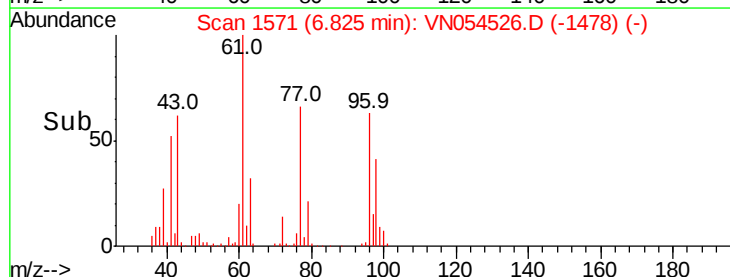
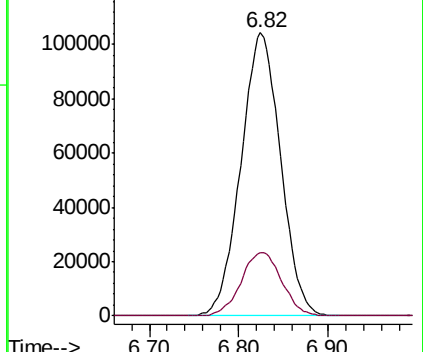
77 100

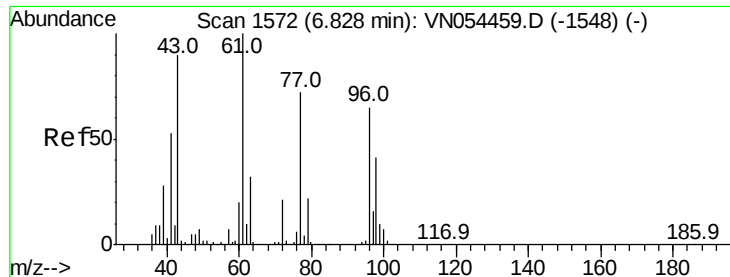
97 22.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.403 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

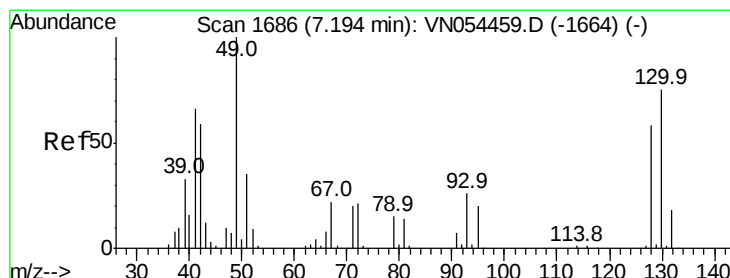
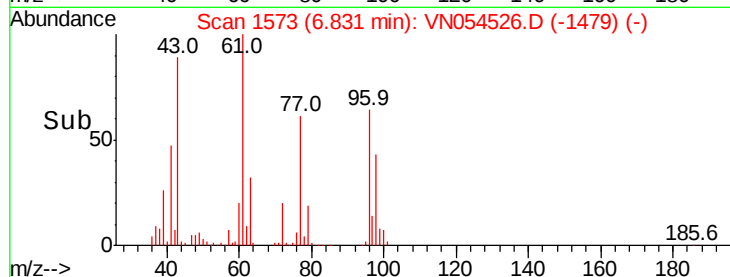
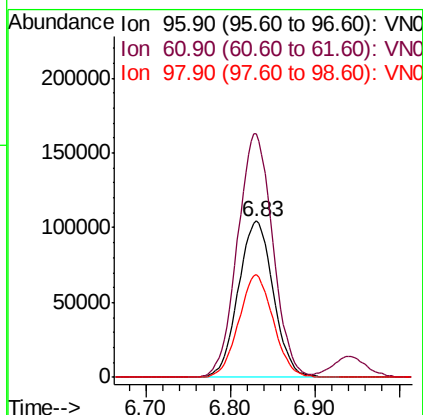
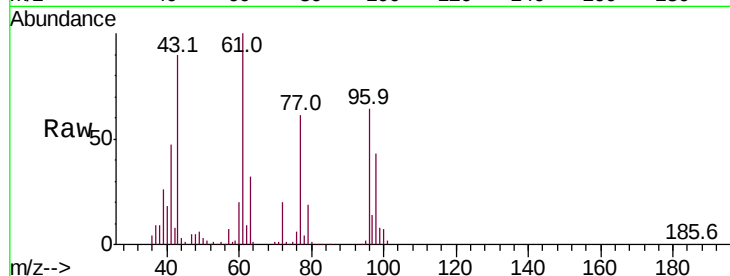
Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 302043

Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	273.0
98	65.0	0.0	130.6



#28

Bromochloromethane

Concen: 57.213 ug/l

RT: 7.20 min Scan# 1687

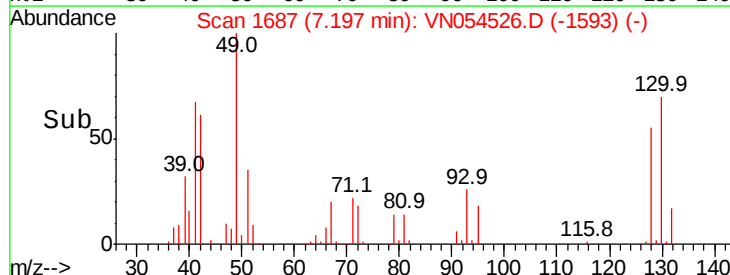
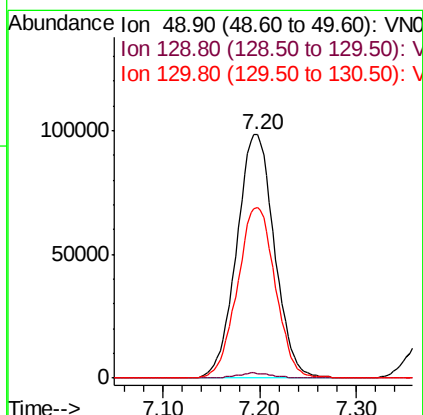
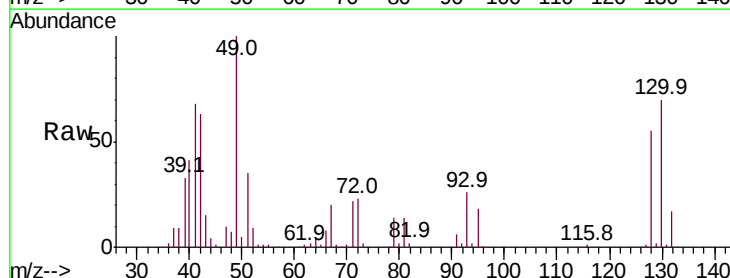
Delta R.T. 0.00 min

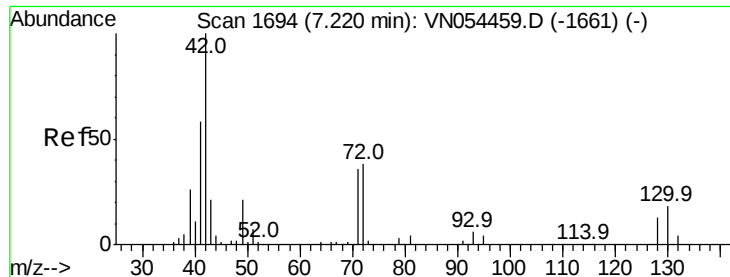
Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion: 49 Resp: 266528

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	70.4	76.7	115.1#





#29

Tetrahydrofuran

Concen: 301.756 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

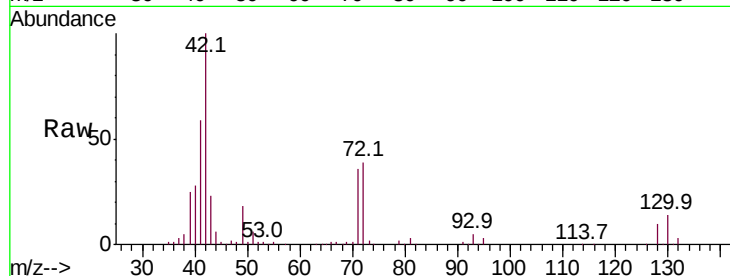
Tot Ion: 42 Resp: 460250

Ion Ratio Lower Upper

42 100

72 37.5 37.8 56.6#

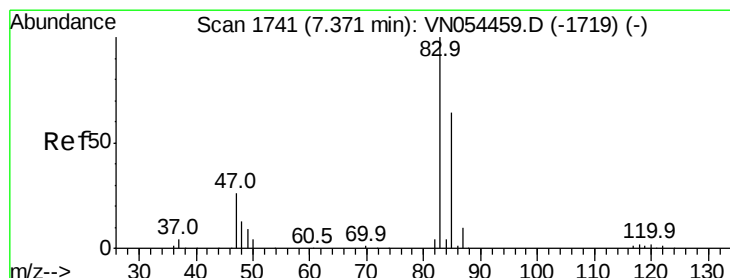
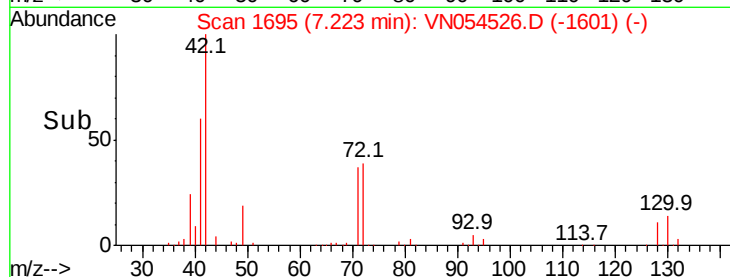
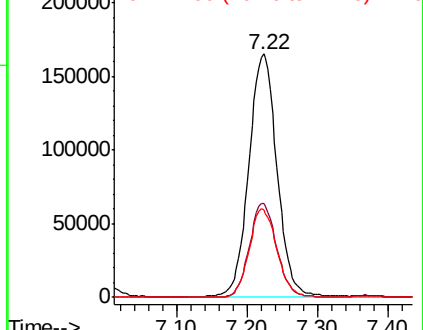
71 35.7 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 54.230 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054526.D

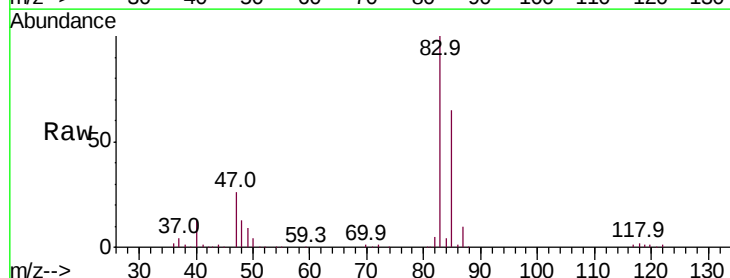
Acq: 21 Mar 2019 22:07

Tgt Ion: 83 Resp: 500888

Ion Ratio Lower Upper

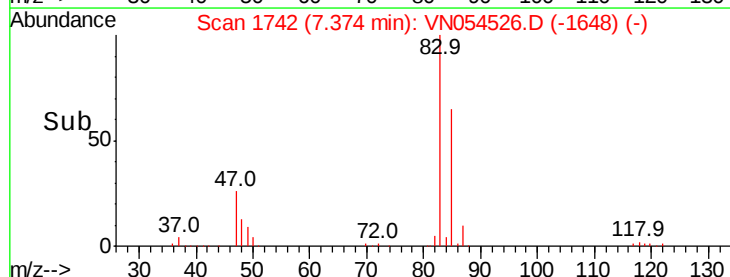
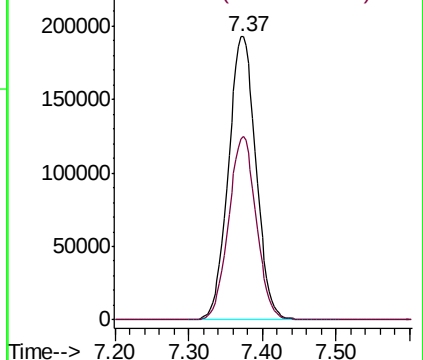
83 100

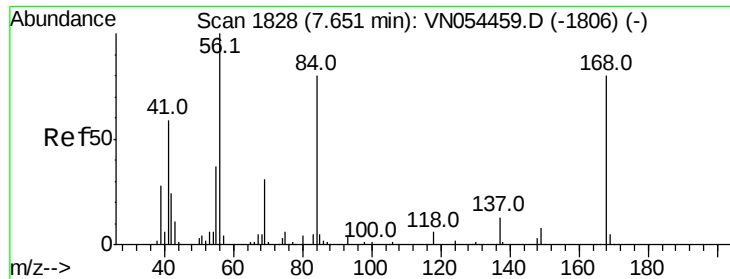
85 65.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

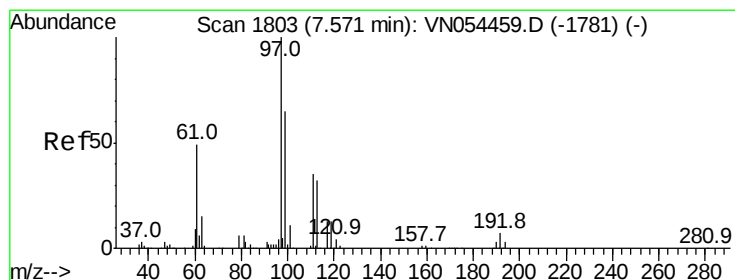
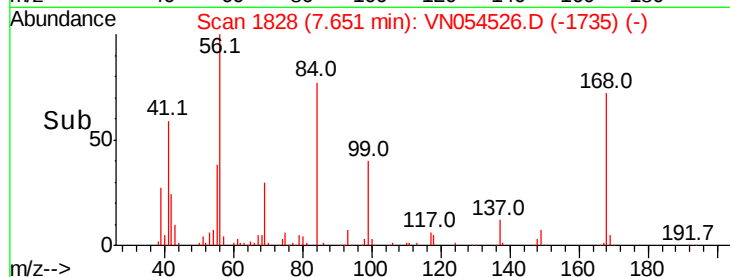
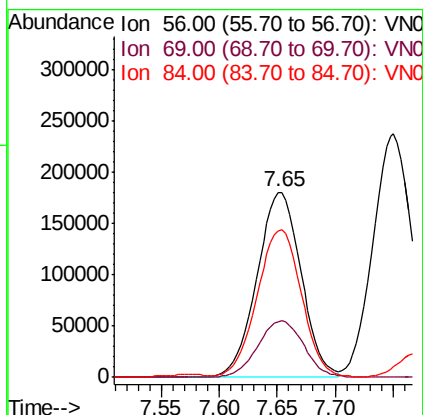
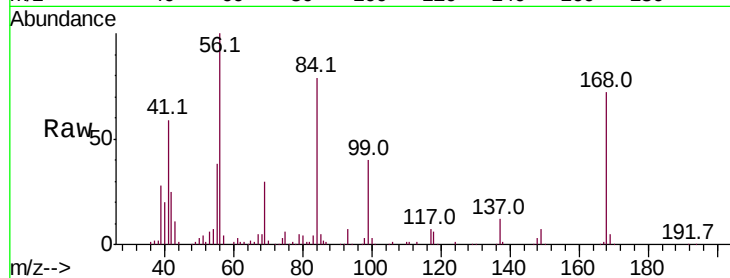




#31
Cyclohexane
Concen: 52.839 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

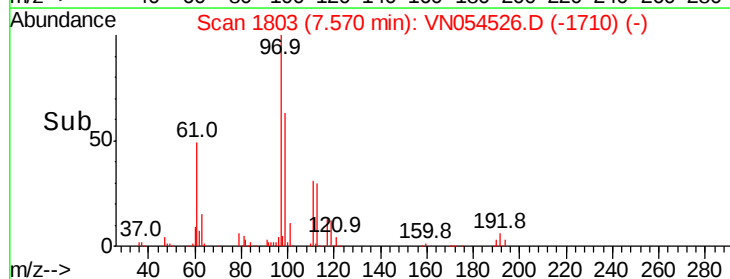
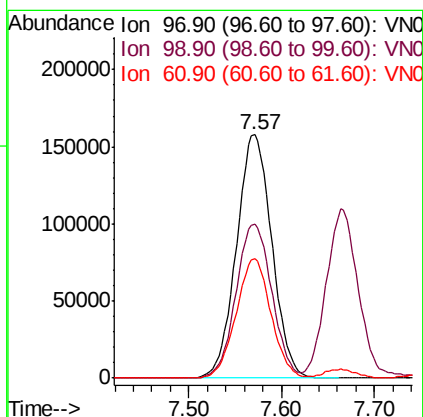
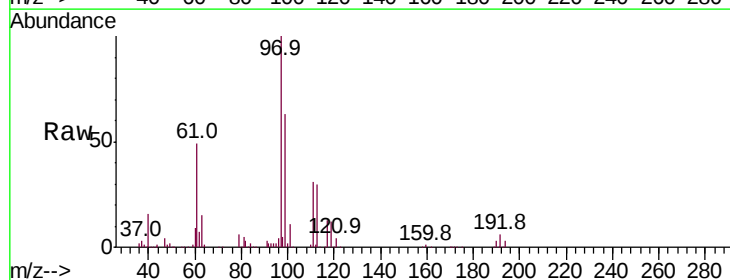
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

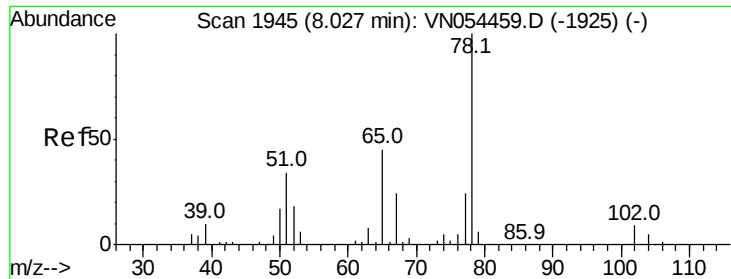
Tot Ion: 56 Resp: 478233
Ion Ratio Lower Upper
56 100
69 30.3 27.8 41.6
84 77.6 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 54.806 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 97 Resp: 417623
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 48.4 33.6 50.4

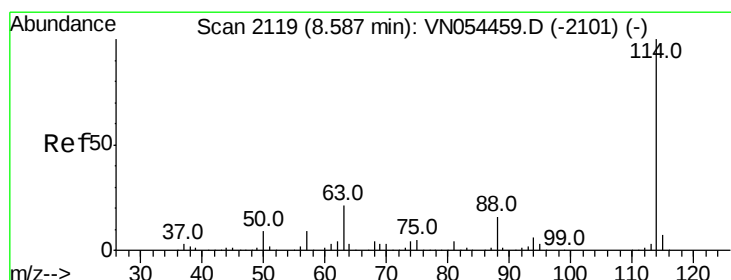
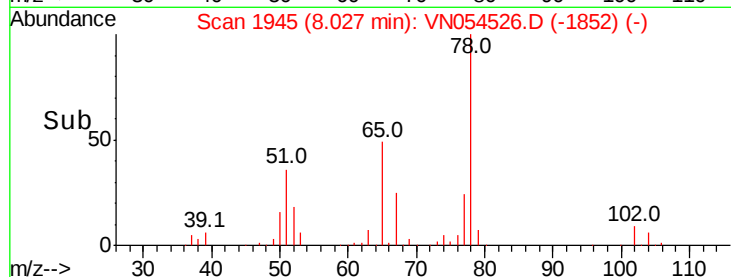
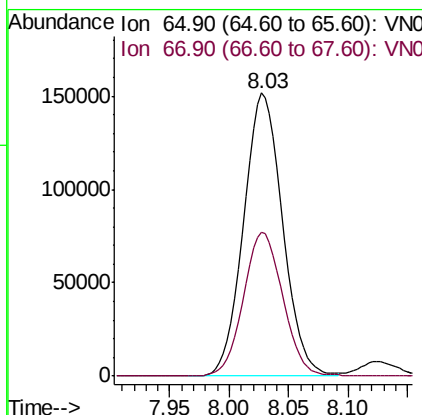
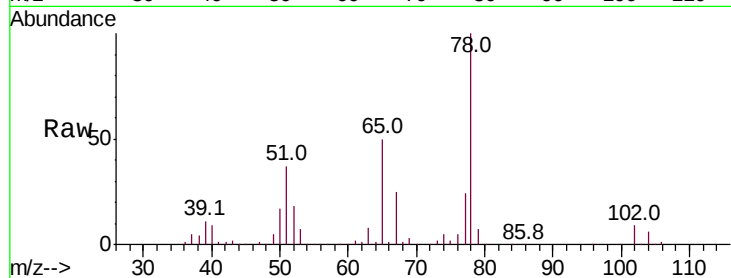




#33
 1,2-Dichloroethane-d4
 Concen: 56.503 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

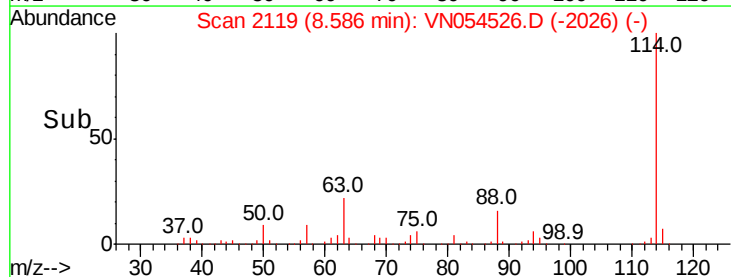
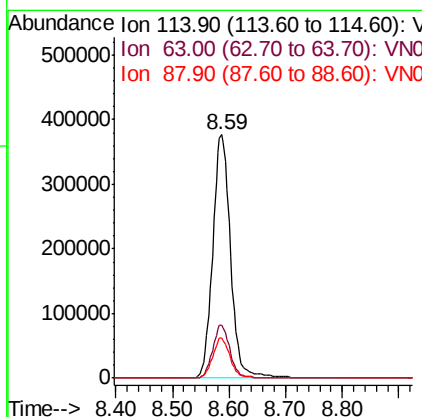
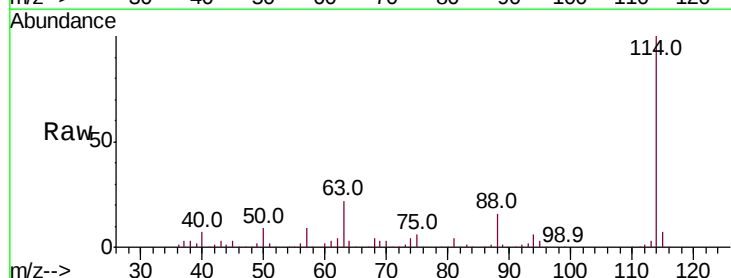
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

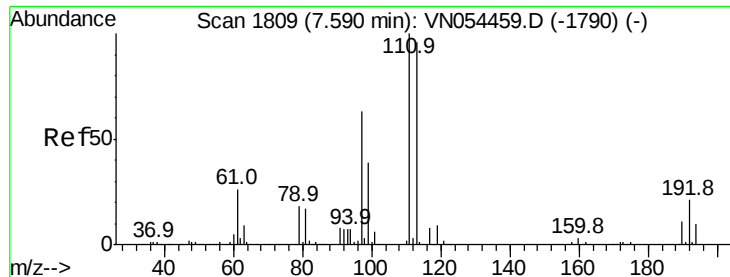
Tot Ion: 65 Resp: 344823
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion: 114 Resp: 817932
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 35.2
 88 16.4 0.0 30.2

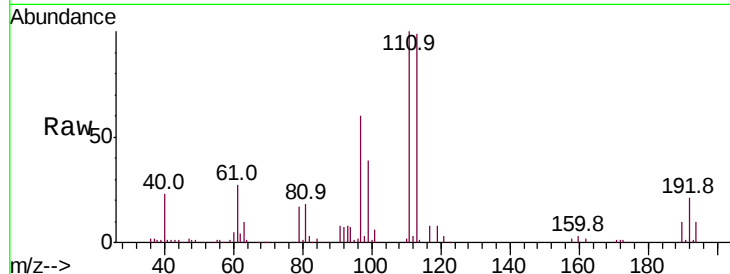




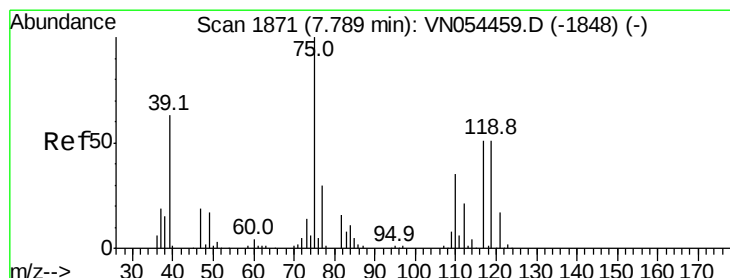
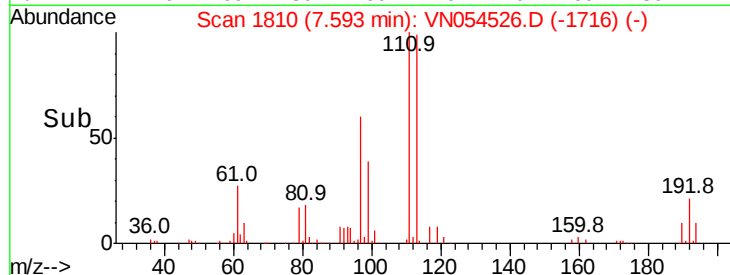
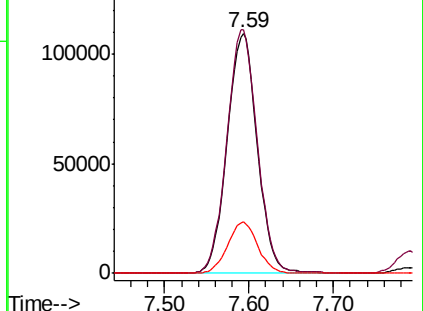
#35
 Dibromofluoromethane
 Concen: 51.657 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 272209
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.4
 192 21.3 19.2 28.8

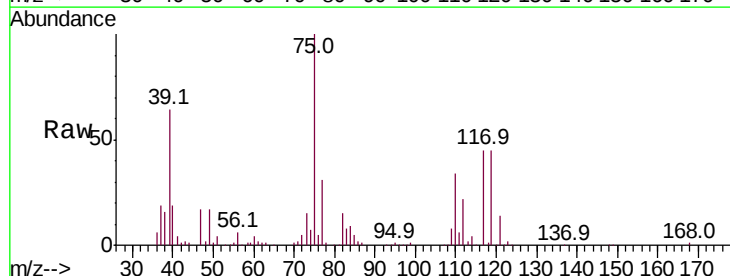


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

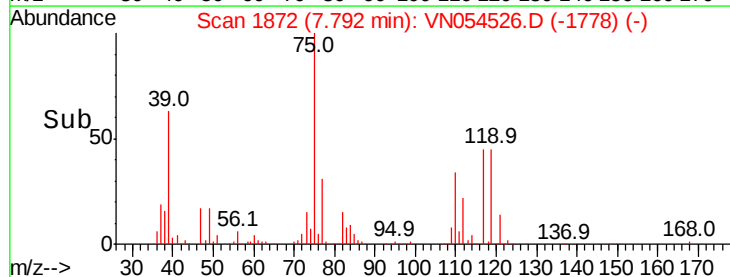
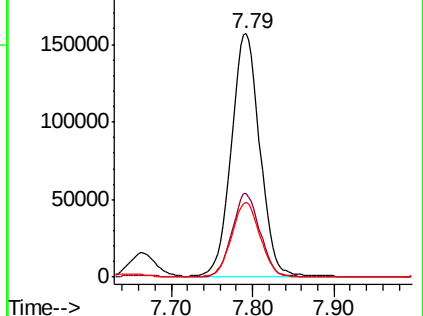


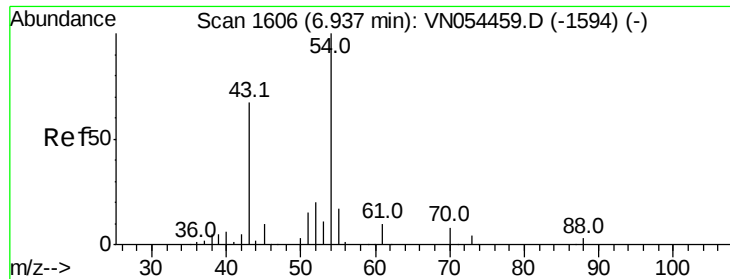
#36
 1,1-Dichloropropene
 Concen: 49.999 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion: 75 Resp: 382381
 Ion Ratio Lower Upper
 75 100
 110 34.0 19.1 57.5
 77 31.1 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

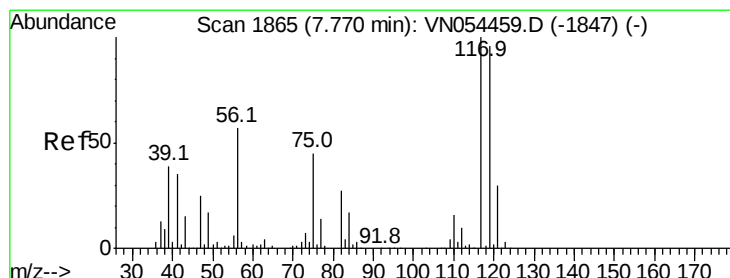
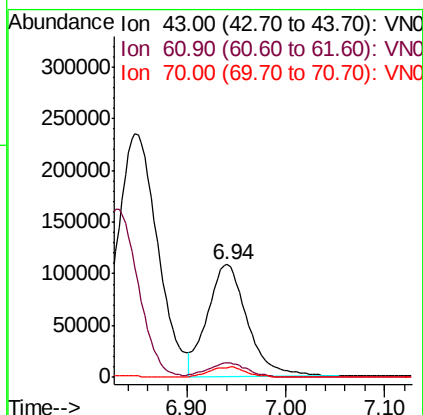
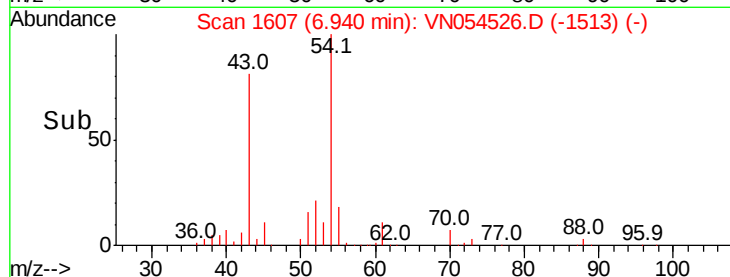
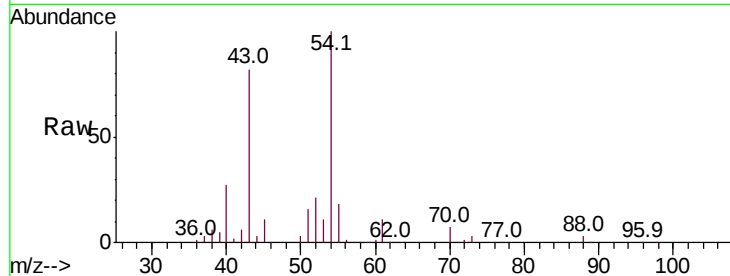




#37
Ethyl Acetate
Concen: 56.128 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

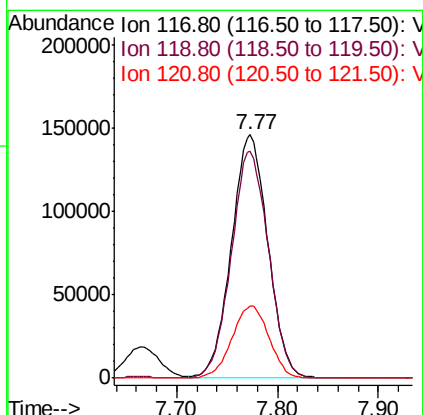
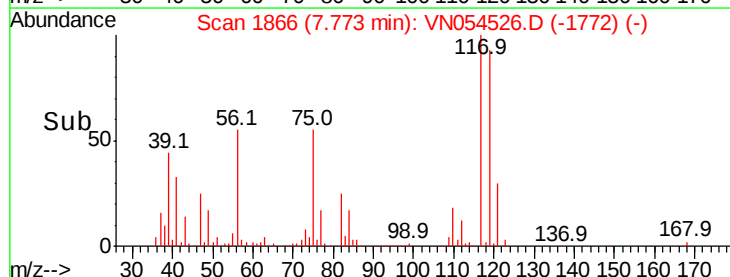
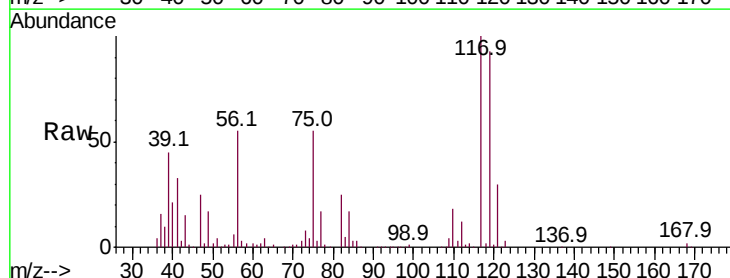
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

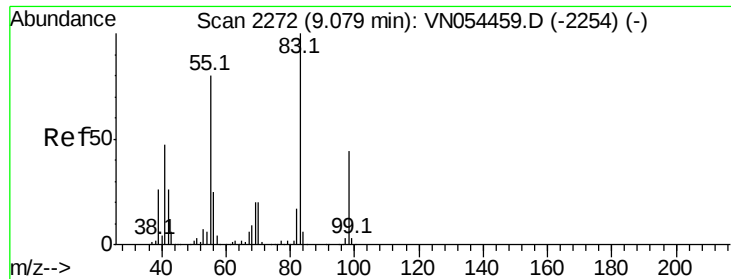
Tot Ion: 43 Resp: 305299
Ion Ratio Lower Upper
43 100
61 13.0 11.8 17.6
70 8.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.471 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 117 Resp: 367659
Ion Ratio Lower Upper
117 100
119 92.9 76.3 114.5
121 29.6 24.6 36.8

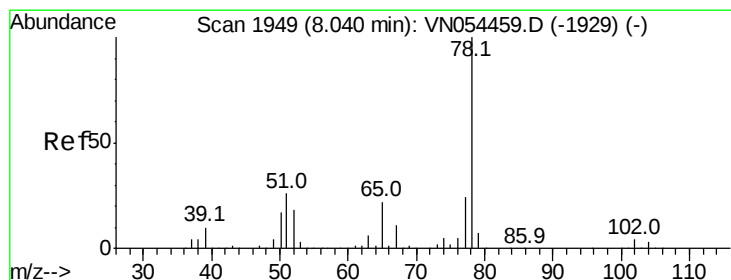
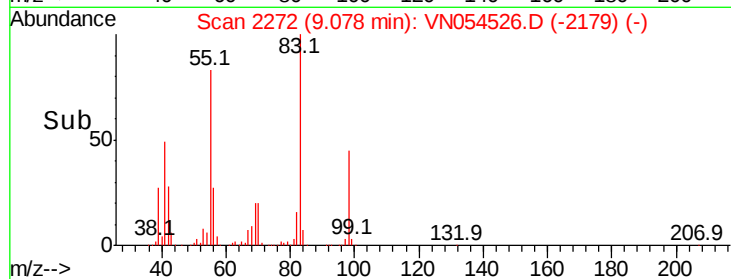
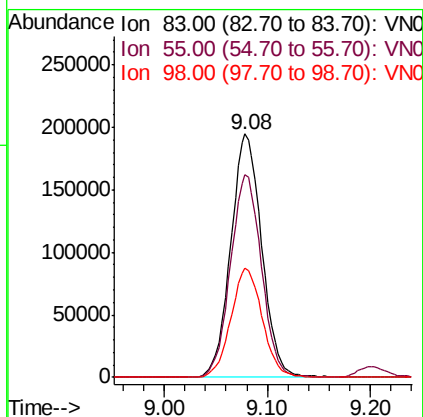
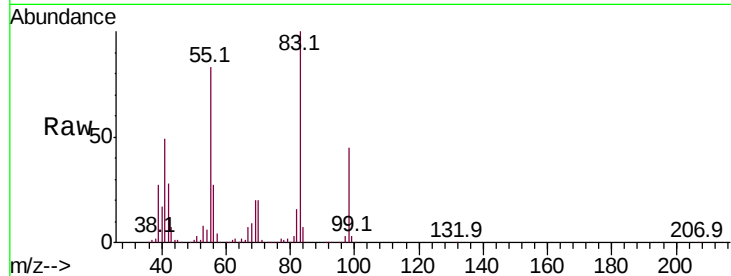




#39
Methvlcvclohexane
Concen: 46.574 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

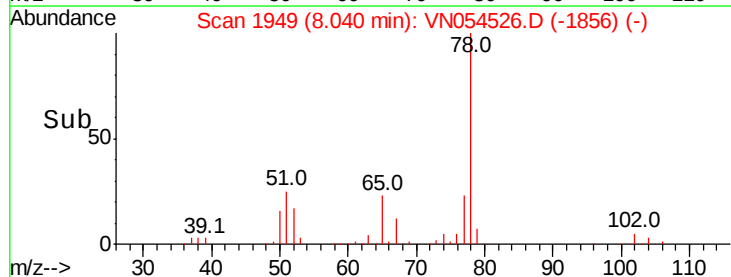
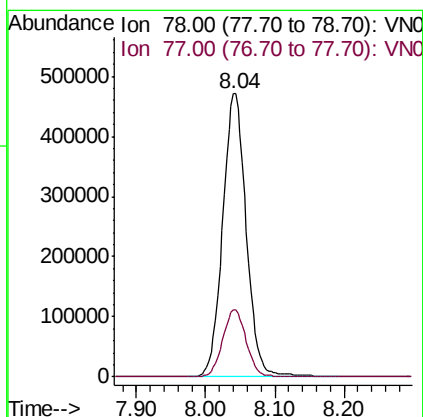
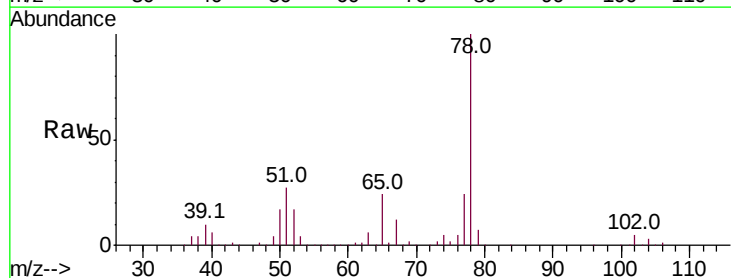
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

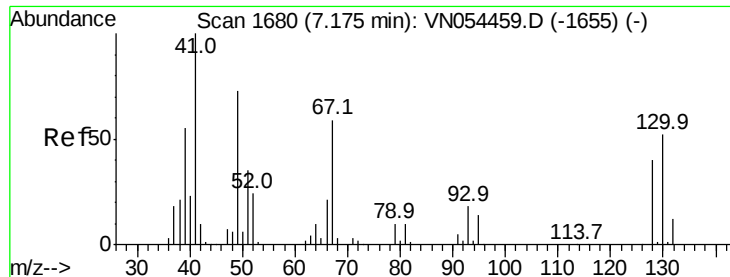
Tot Ion: 83 Resp: 407440
Ion Ratio Lower Upper
83 100
55 83.3 56.6 84.8
98 44.7 38.4 57.6



#40
Benzene
Concen: 51.144 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 78 Resp: 1118468
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

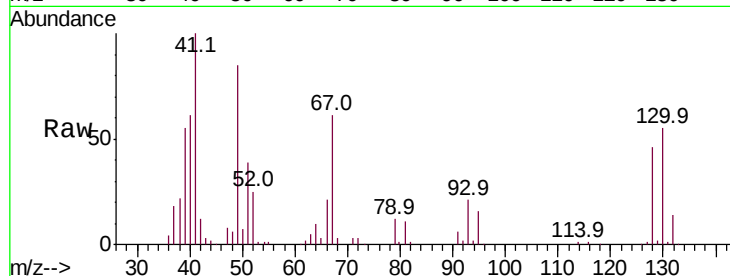




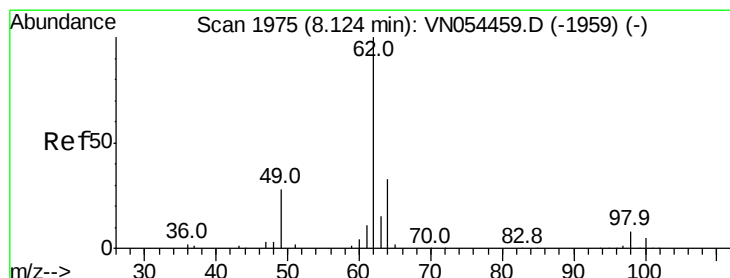
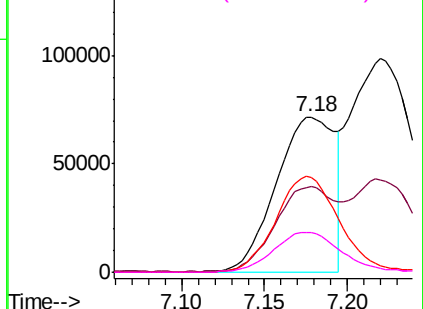
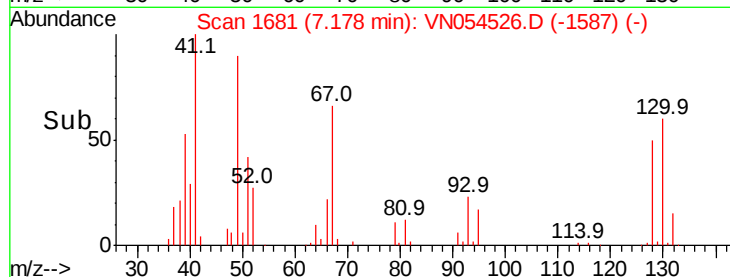
#41
Methacrylonitrile
Concen: 53.316 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 176859
Ion Ratio Lower Upper
41 100
39 54.9 46.8 70.2
67 67.0 67.0 100.4
52 28.9 26.5 39.7

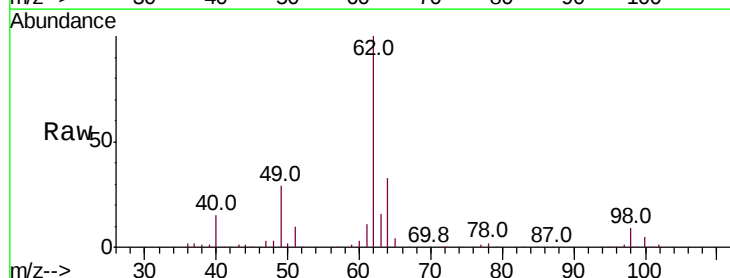


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

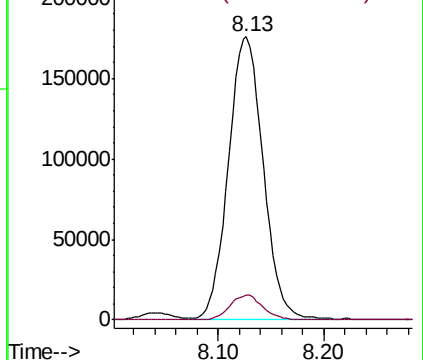
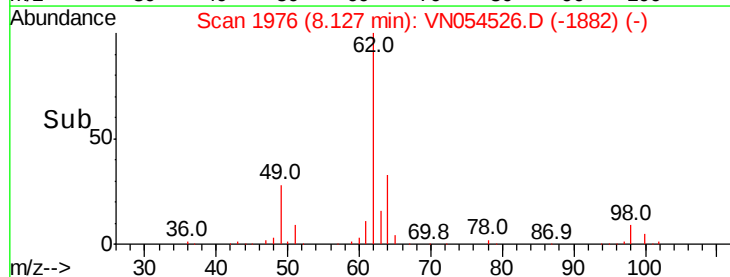


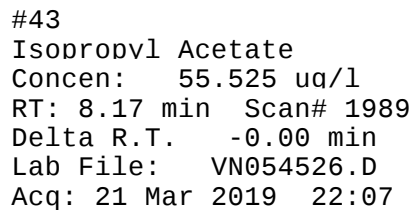
#42
1,2-Dichloroethane
Concen: 50.414 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 62 Resp: 401506
Ion Ratio Lower Upper
62 100
98 8.4 0.0 18.4



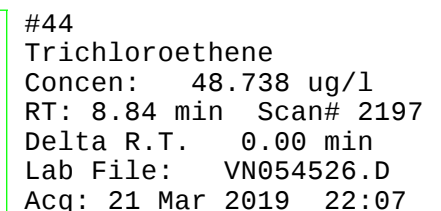
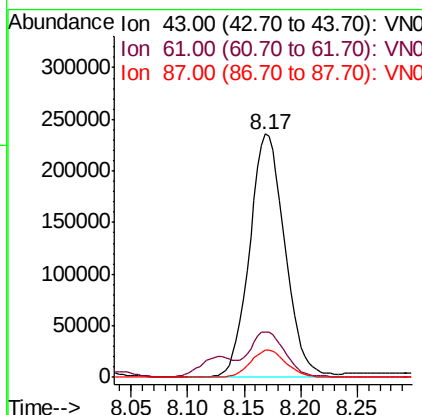
Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



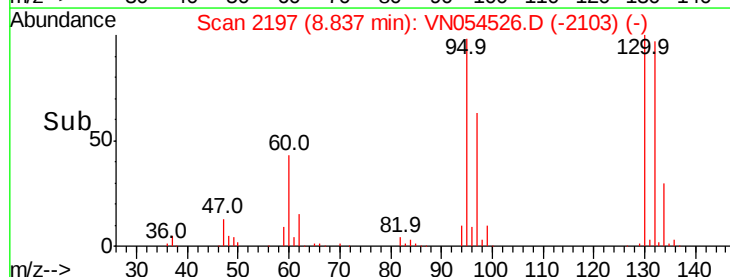
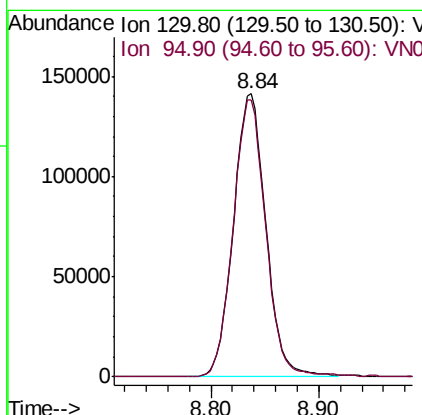


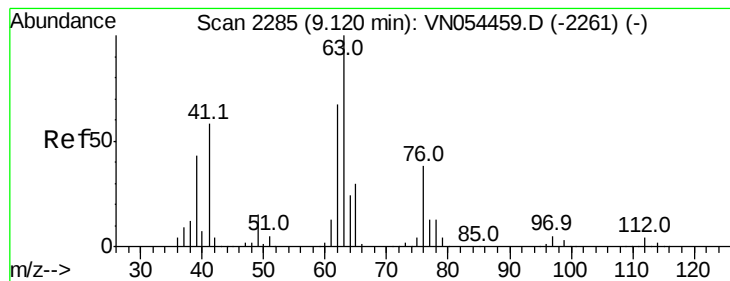
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot	Ion: 43	Resp:	510067
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.8
87	11.4	12.0	18.0#



Tgt	Ion:130	Resp:	296329
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	185.2





#45

1,2-Dichloropropane

Concen: 53.041 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

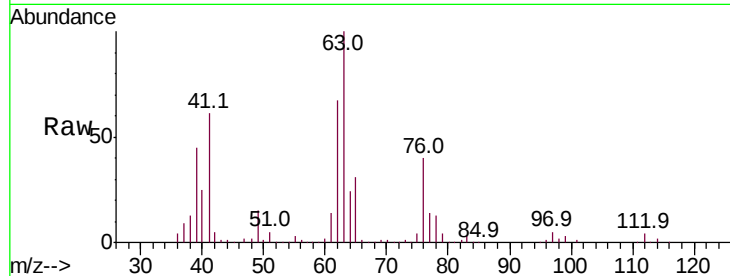
VSTDCCC050EC

Tot Ion: 63 Resp: 311473

Ion Ratio Lower Upper

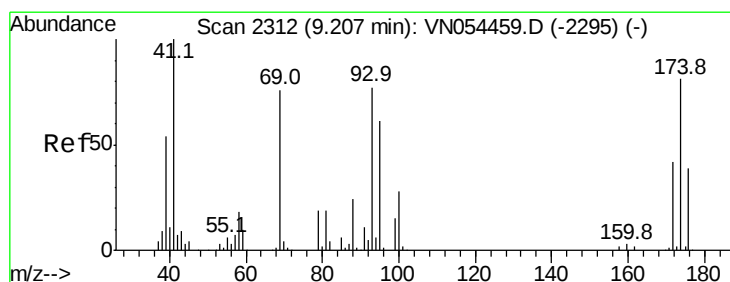
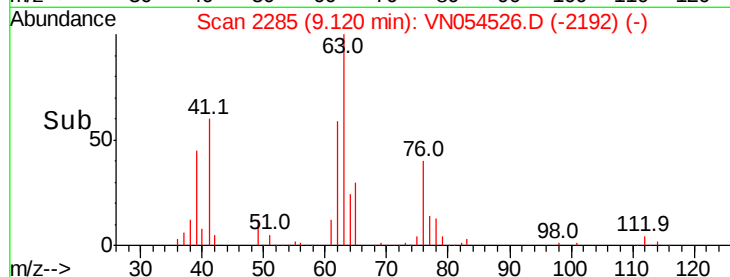
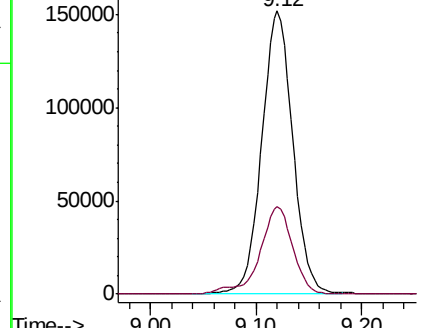
63 100

65 30.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.016 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

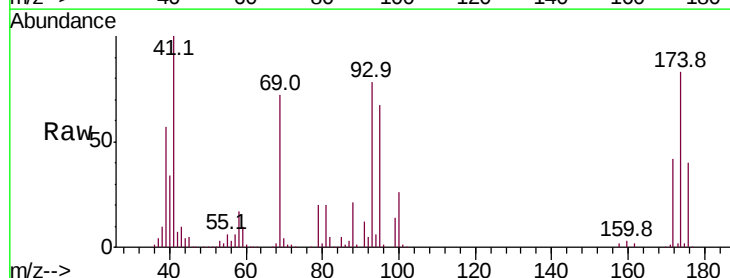
Tgt Ion: 93 Resp: 182226

Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

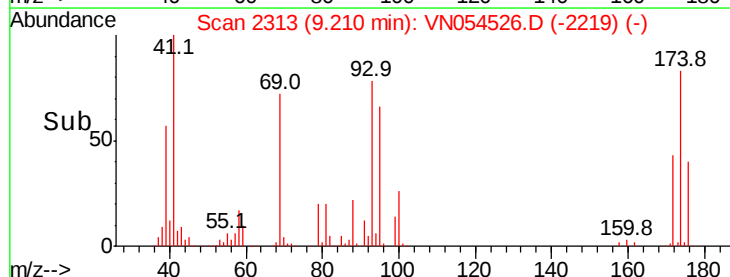
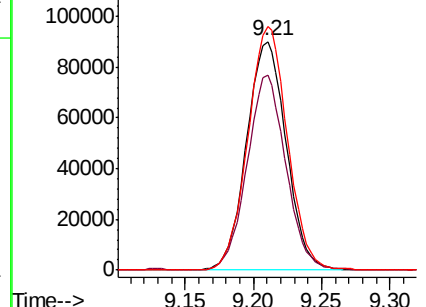
174 106.5 98.5 147.7

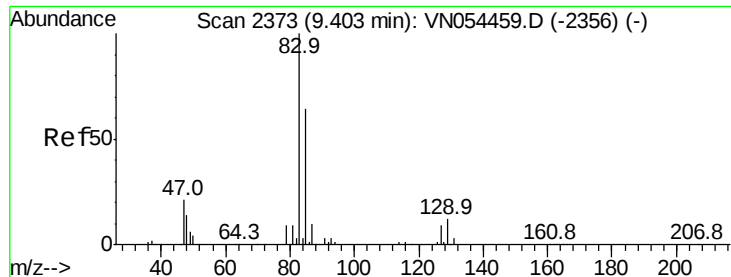


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.935 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

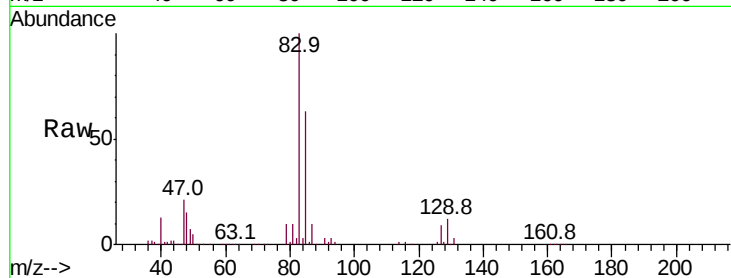
Tot Ion: 83 Resp: 384863

Ion Ratio Lower Upper

83 100

85 63.0 52.8 79.2

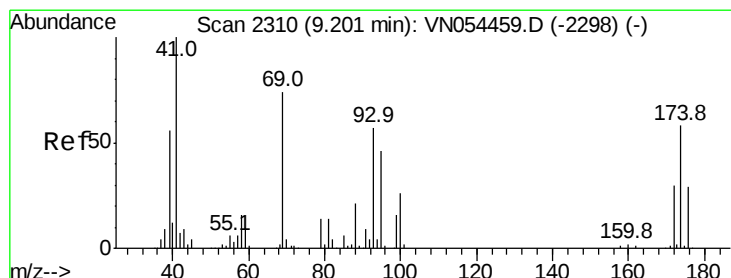
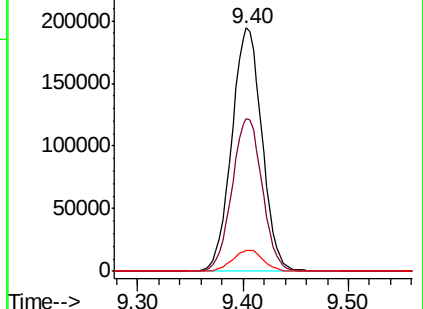
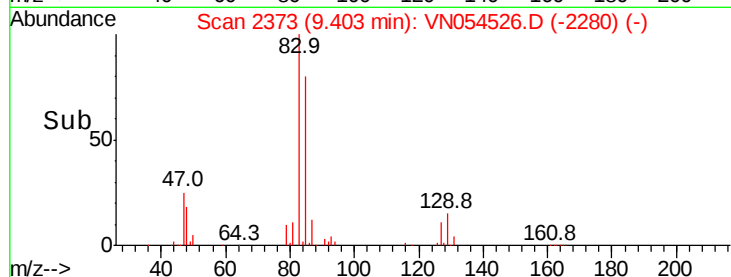
127 8.6 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054526.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054526.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054526.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.377 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

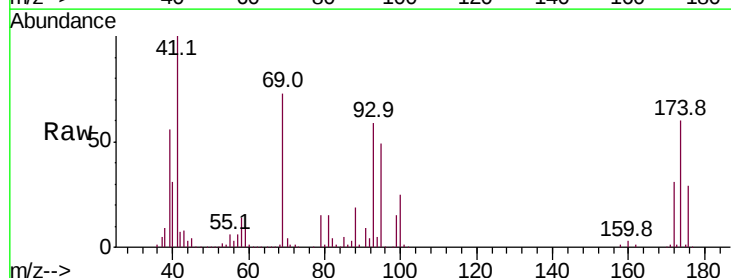
Tgt Ion: 41 Resp: 266134

Ion Ratio Lower Upper

41 100

69 74.4 72.6 108.8

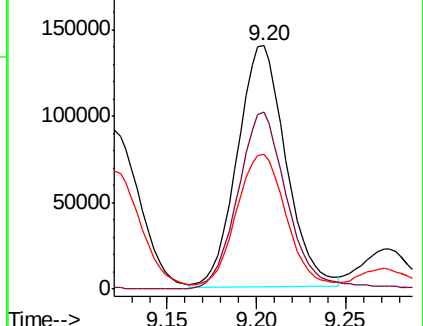
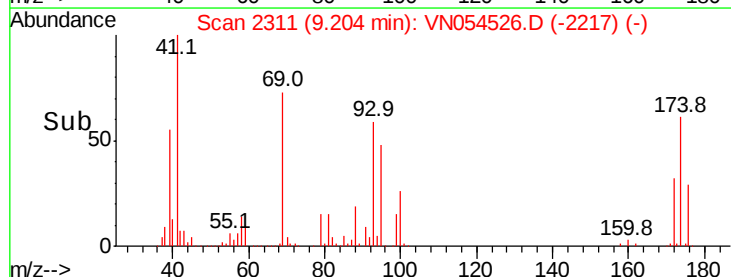
39 57.0 47.5 71.3

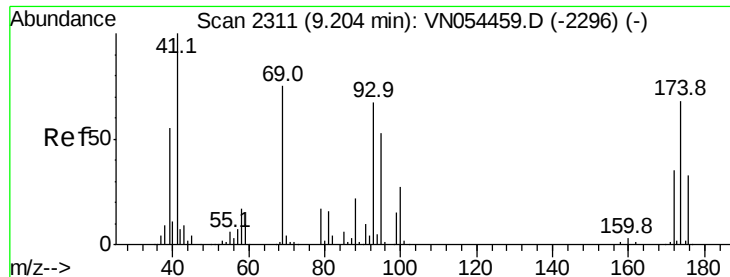


Abundance Ion 41.00 (40.70 to 41.70): VN054526.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054526.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054526.D (-2217) (-)





#49

1,4-Dioxane

Concen: 996.015 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

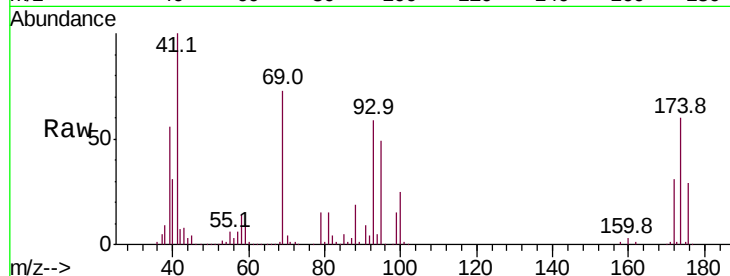
Tot Ion: 88 Resp: 55518

Ion Ratio Lower Upper

88 100

43 39.2 24.1 36.1#

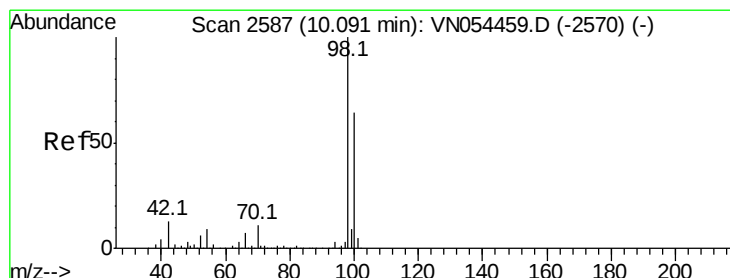
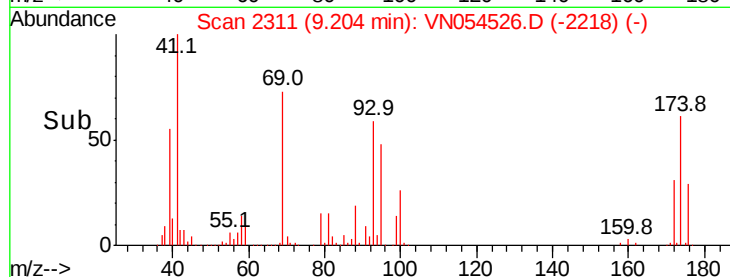
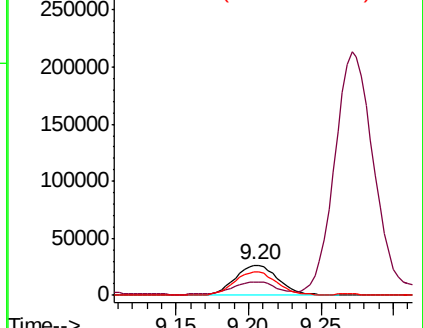
58 76.8 50.8 76.2#



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

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

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



#50

Toluene-d8

Concen: 50.722 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054526.D

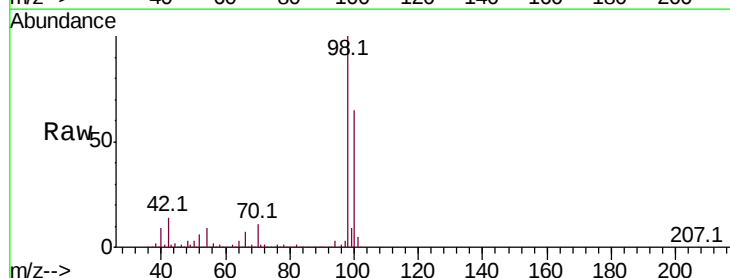
Acq: 21 Mar 2019 22:07

Tgt Ion: 98 Resp: 1004818

Ion Ratio Lower Upper

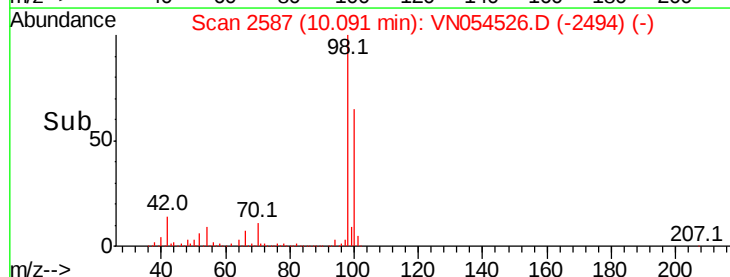
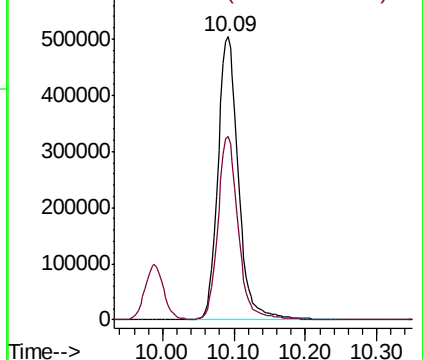
98 100

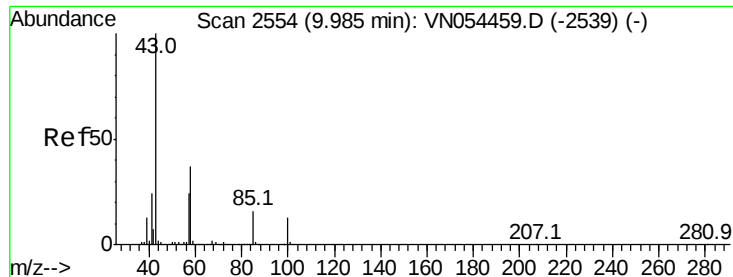
100 64.3 51.2 76.8



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

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





#51

4-Methyl-2-Pentanone

Concen: 285.794 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

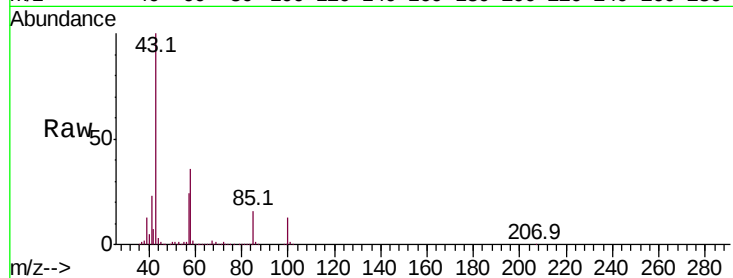
VSTDCCC050EC

Tot Ion: 43 Resp: 1454996

Ion Ratio Lower Upper

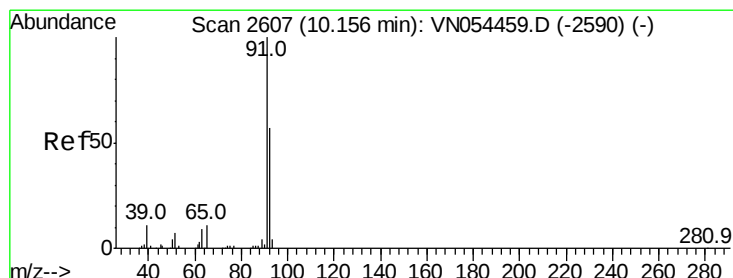
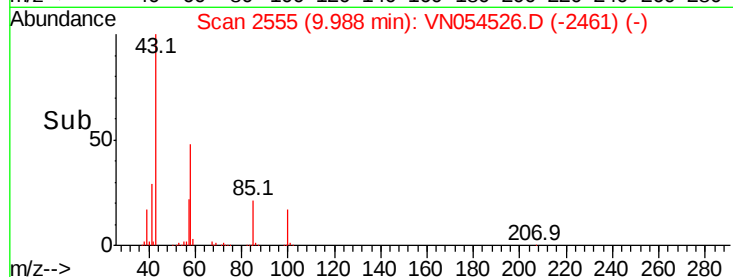
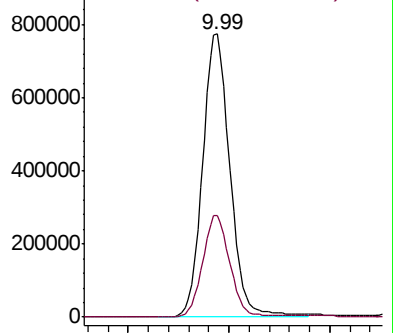
43 100

58 35.7 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: 48.964 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054526.D

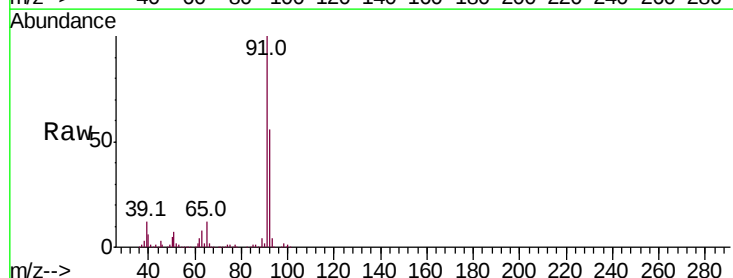
Acq: 21 Mar 2019 22:07

Tgt Ion: 92 Resp: 658587

Ion Ratio Lower Upper

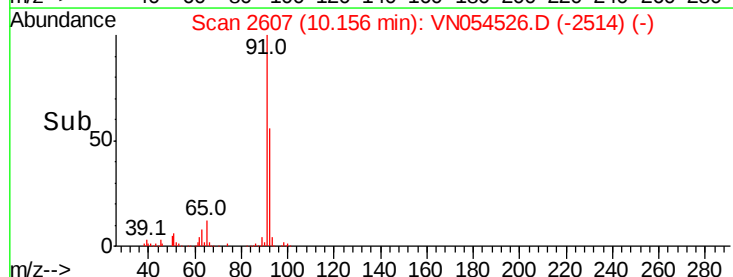
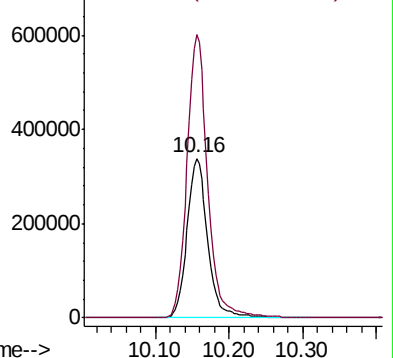
92 100

91 177.1 140.7 211.1



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: 47.001 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

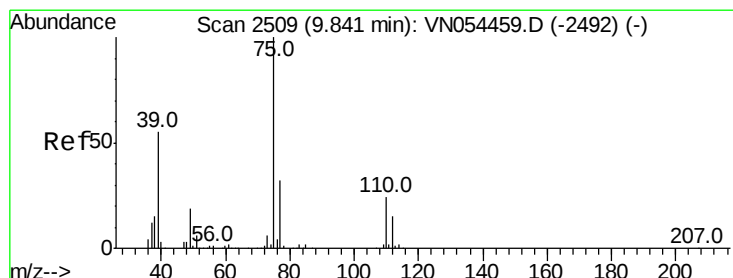
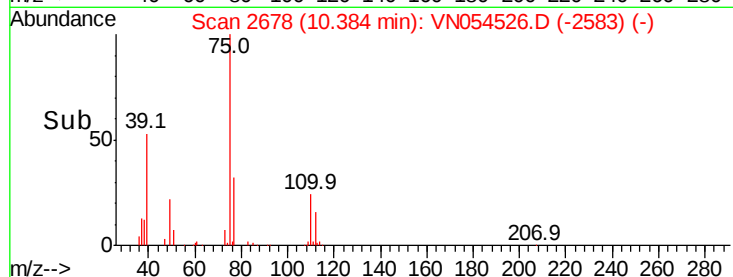
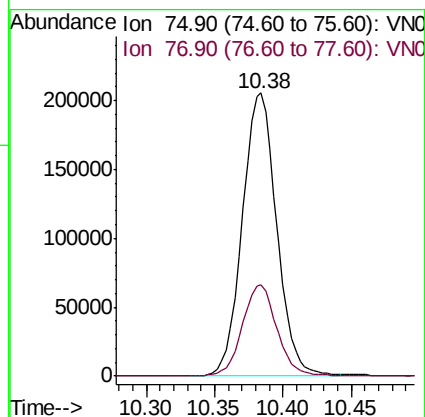
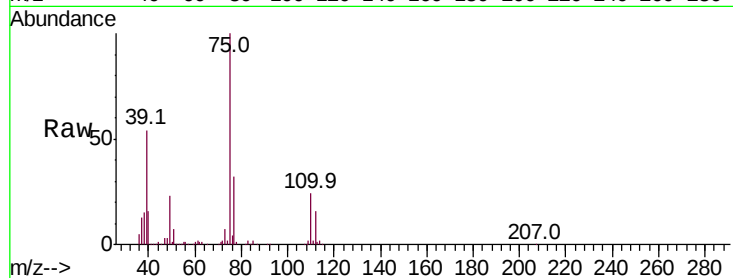
VSTDCCC050EC

Tot Ion: 75 Resp: 359407

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 53.167 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

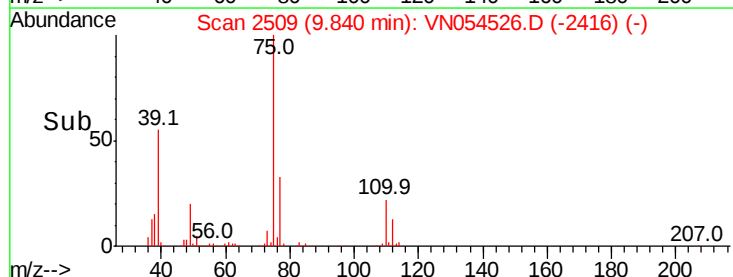
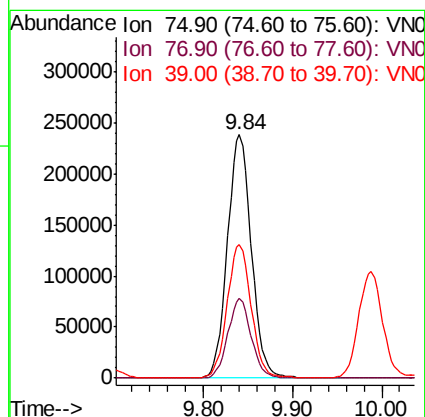
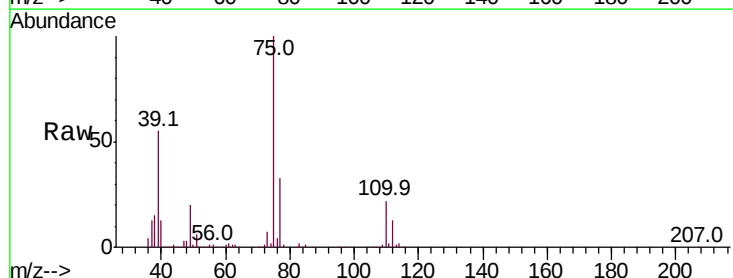
Tgt Ion: 75 Resp: 443226

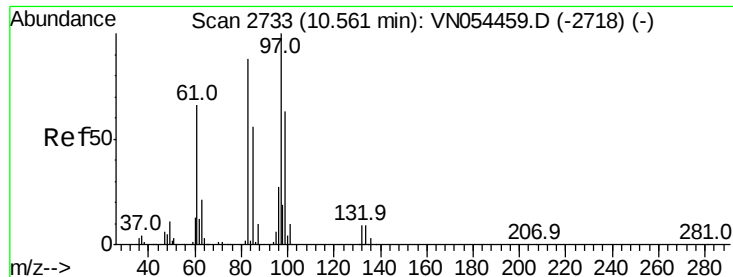
Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0

39 54.7 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 51.751 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

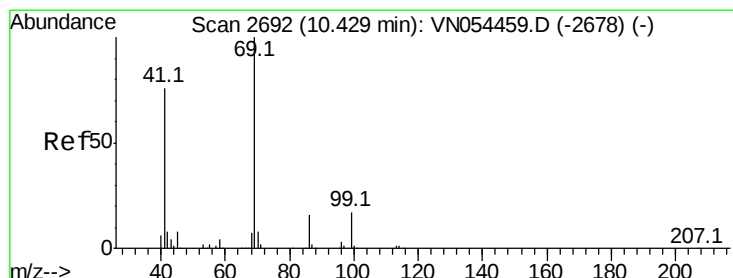
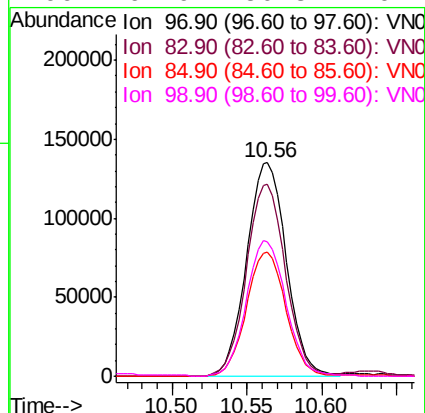
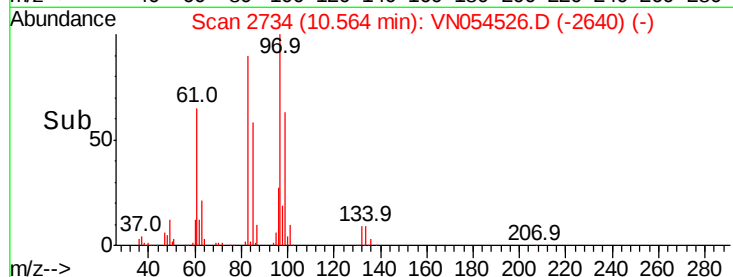
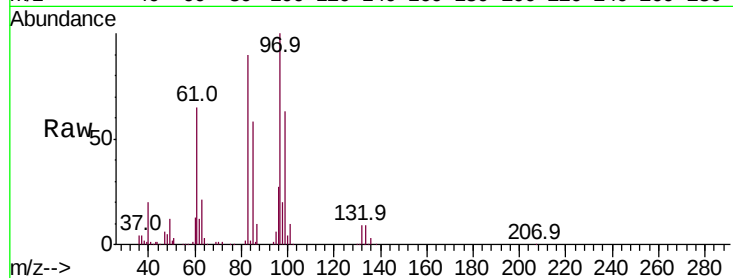
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 250213

Ion	Ratio	Lower	Upper
97	100		
83	90.1	66.6	100.0
85	58.3	44.4	66.6
99	62.9	50.8	76.2



#56

Ethyl methacrylate

Concen: 55.309 ug/l

RT: 10.43 min Scan# 2692

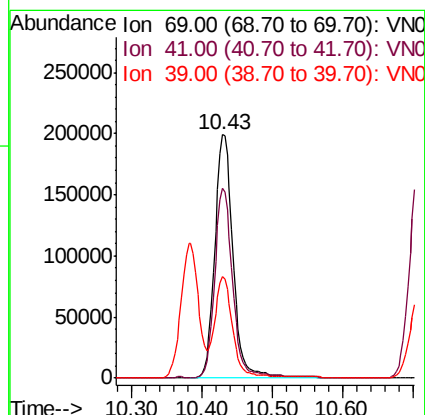
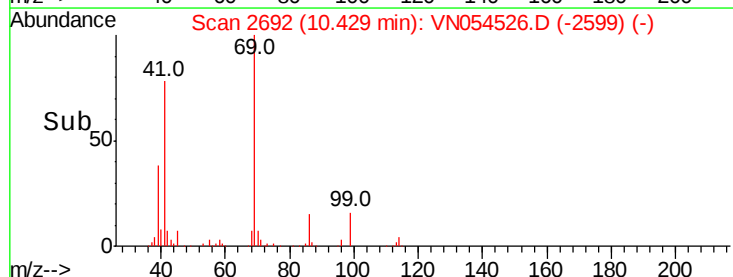
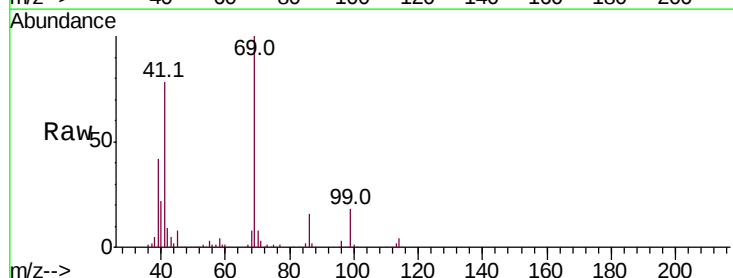
Delta R.T. -0.00 min

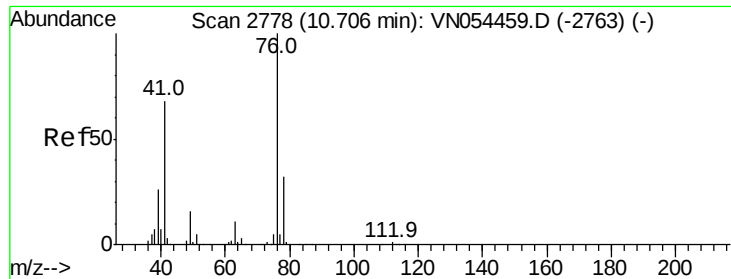
Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion: 69 Resp: 358931

Ion	Ratio	Lower	Upper
69	100		
41	74.9	49.4	74.2#
39	40.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.407 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

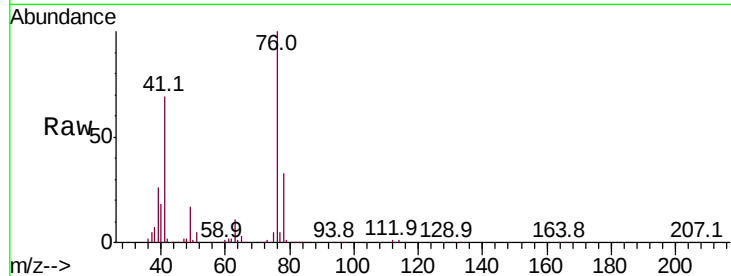
VSTDCCC050EC

Tot Ion: 76 Resp: 440468

Ion Ratio Lower Upper

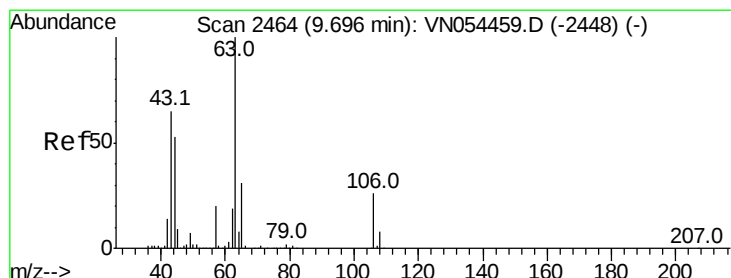
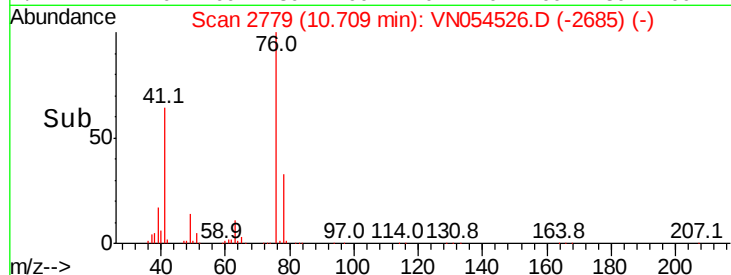
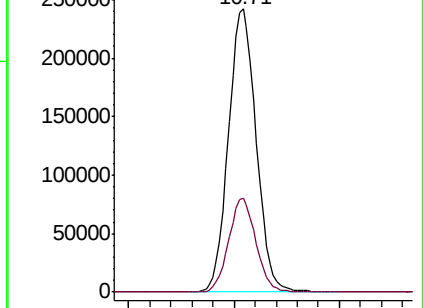
76 100

78 32.5 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 264.785 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054526.D

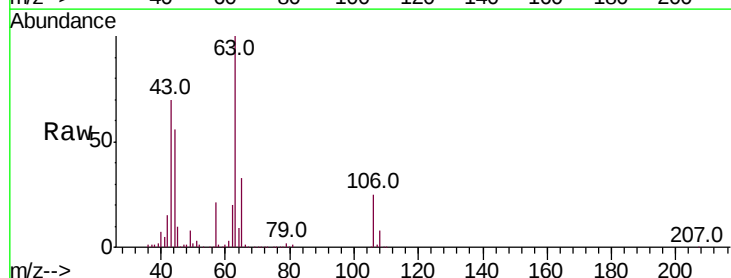
Acq: 21 Mar 2019 22:07

Tgt Ion: 63 Resp: 707567

Ion Ratio Lower Upper

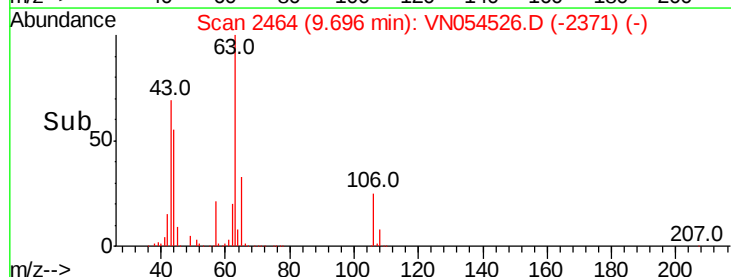
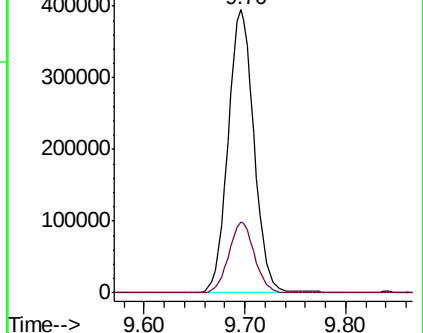
63 100

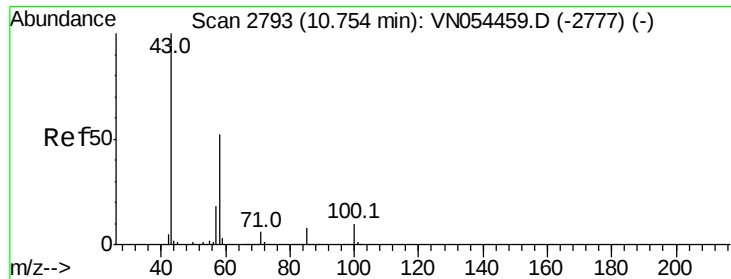
106 24.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

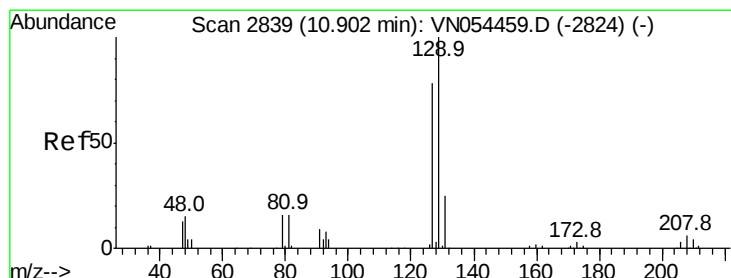
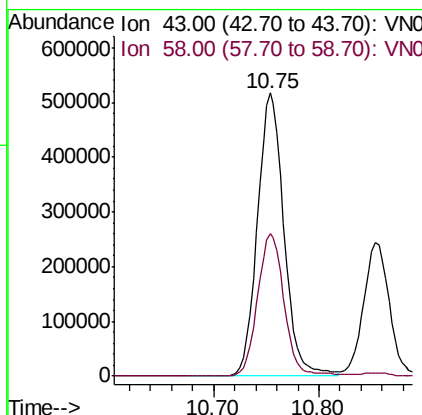
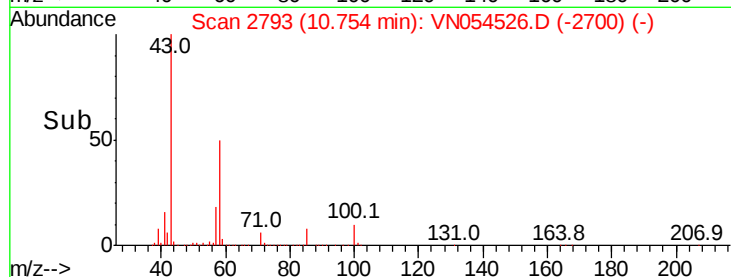
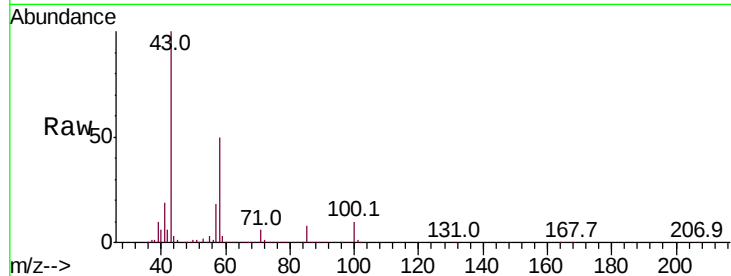




#59
2-Hexanone
Concen: 272.276 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

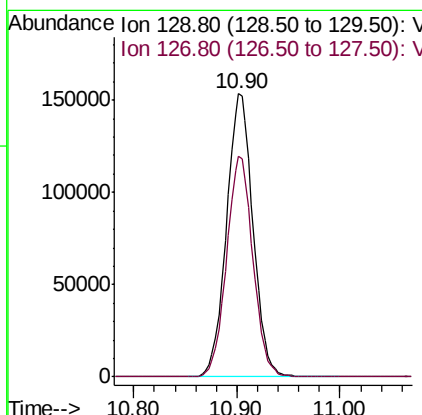
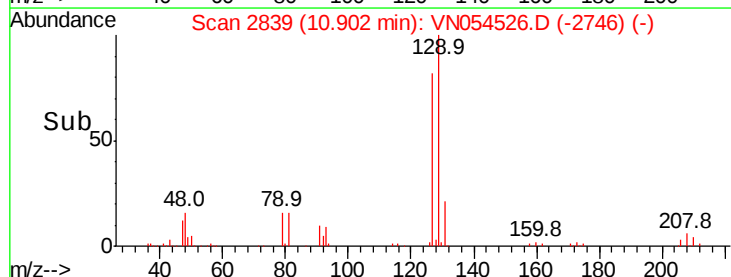
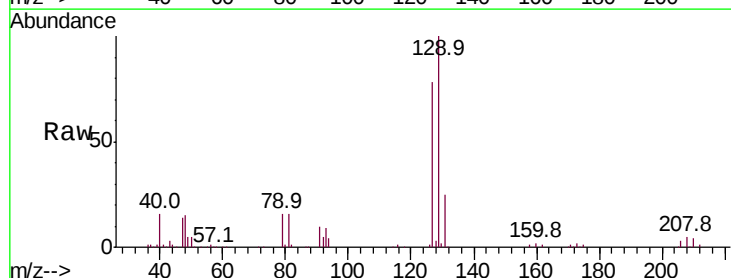
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

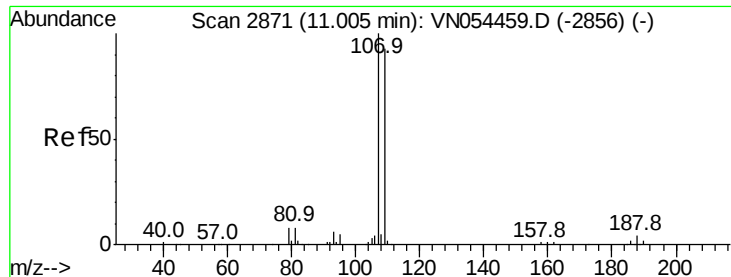
Tot Ion: 43 Resp: 905432
Ion Ratio Lower Upper
43 100
58 50.7 28.0 83.9



#60
Dibromochloromethane
Concen: 53.412 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 129 Resp: 274798
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.273 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

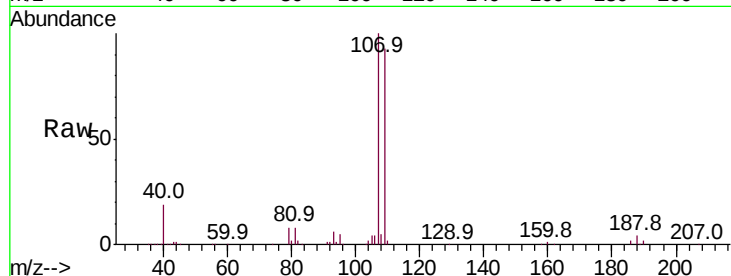
VSTDCCC050EC

Tot Ion:107 Resp: 249864

Ion Ratio Lower Upper

107 100

109 94.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

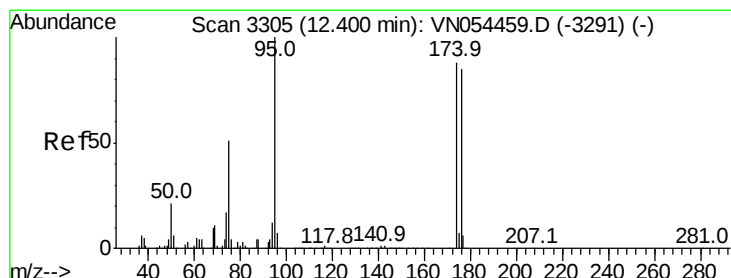
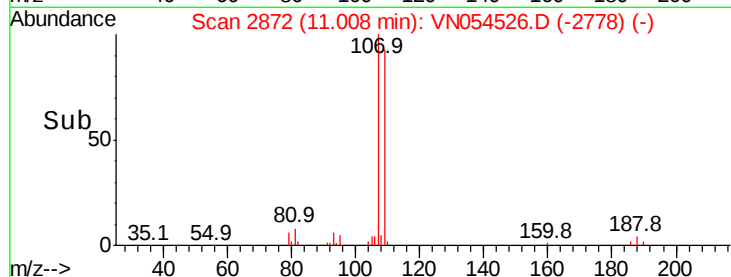
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.064 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

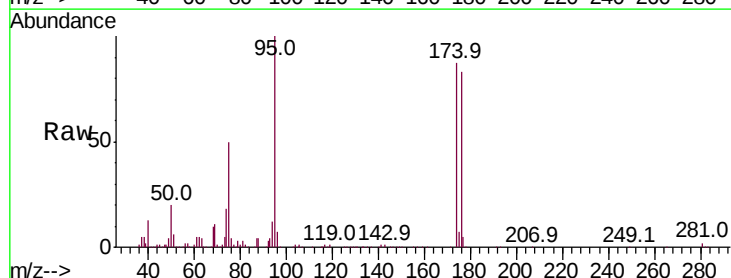
Tgt Ion: 95 Resp: 337486

Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

176 81.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

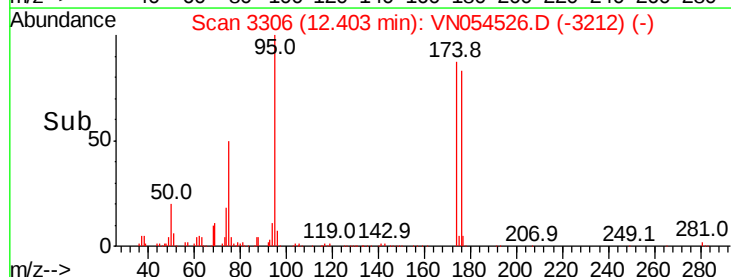
150000

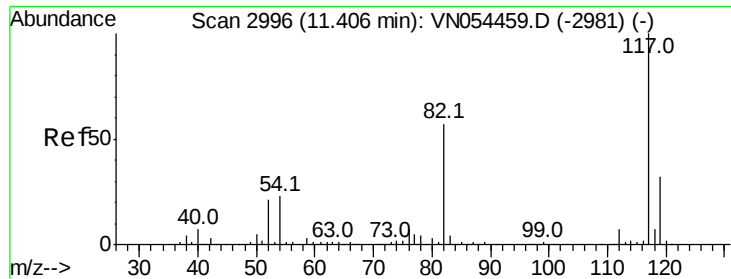
100000

50000

0

Time--> 12.30 12.40 12.50

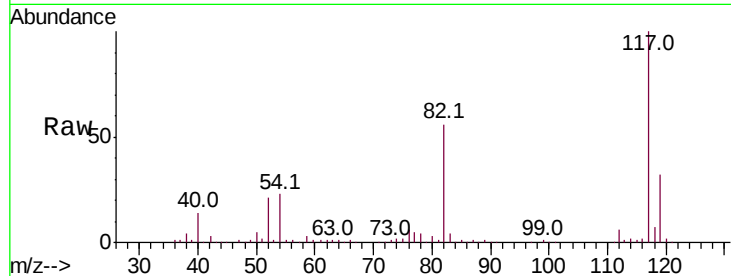




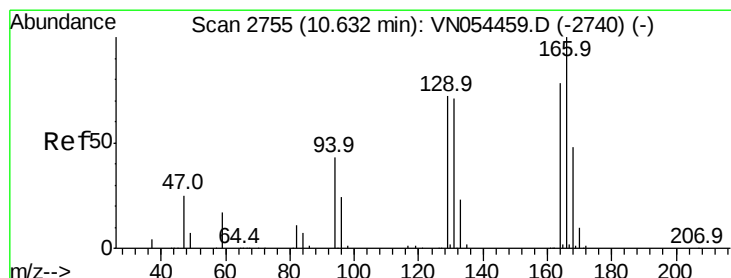
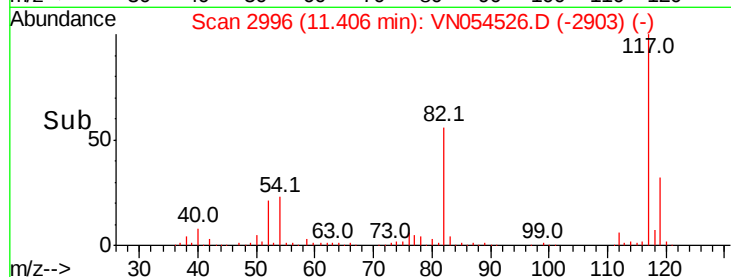
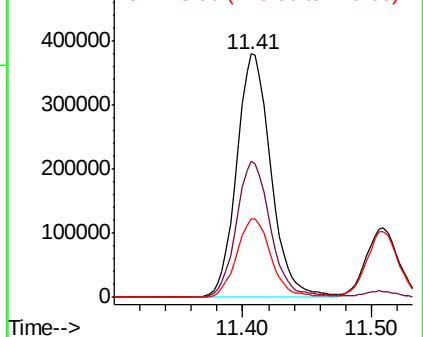
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 704628
Ion Ratio Lower Upper
117 100
82 55.8 40.0 60.0
119 32.0 25.8 38.6

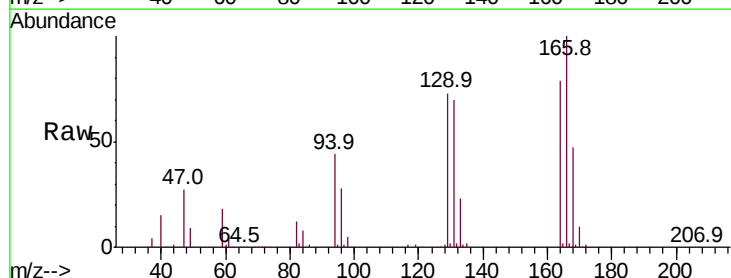


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

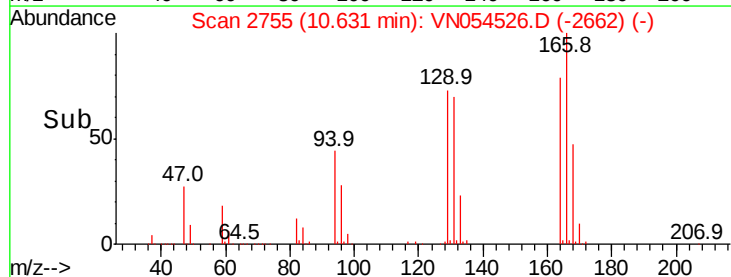
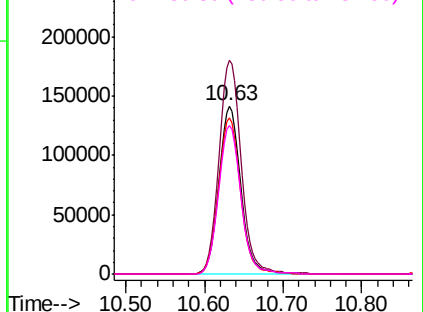


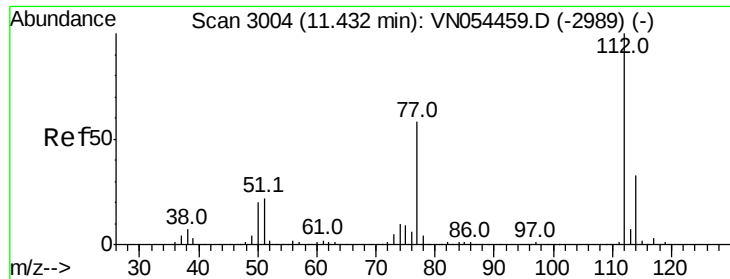
#64
Tetrachloroethene
Concen: 46.493 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:164 Resp: 271730
Ion Ratio Lower Upper
164 100
166 127.0 103.9 155.9
129 92.9 71.1 106.7
131 88.5 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

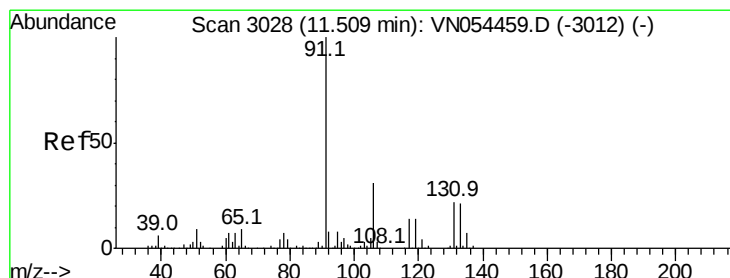
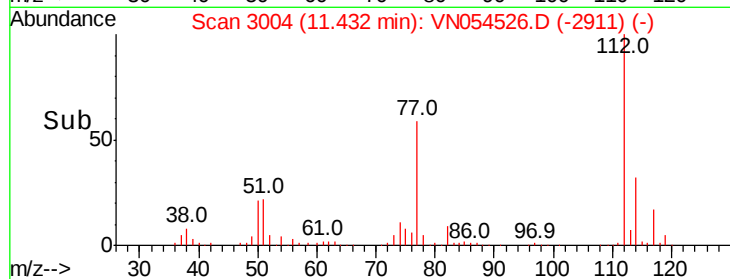
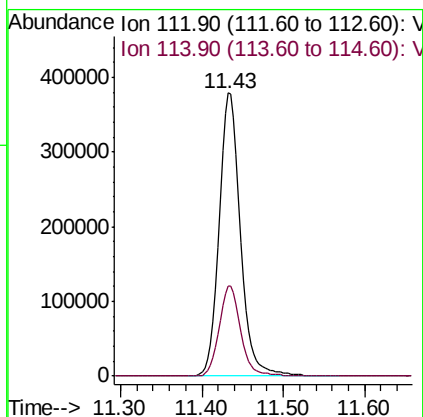
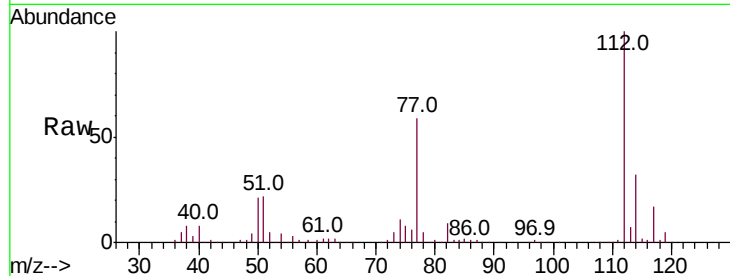




#65
Chlorobenzene
Concen: 48.958 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

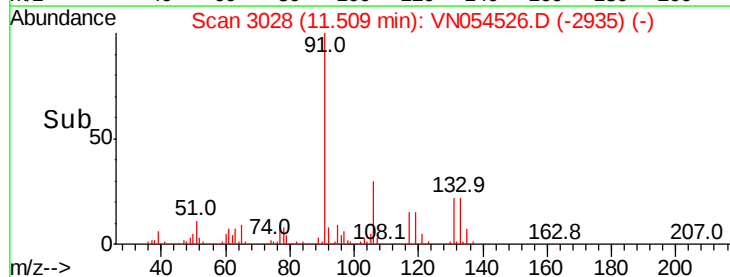
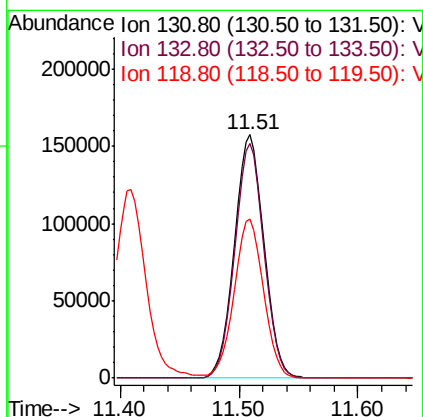
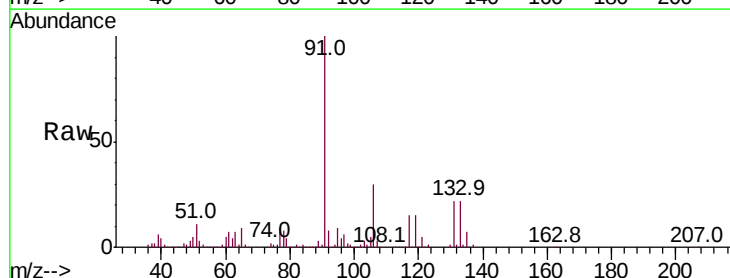
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

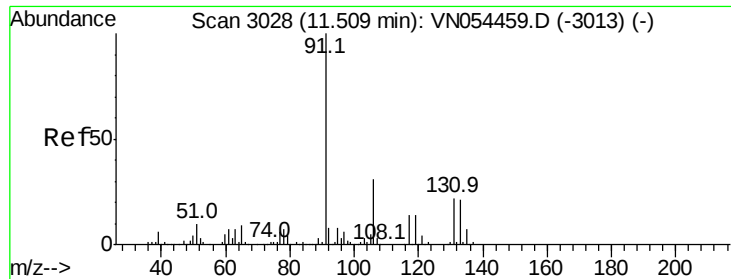
Tot Ion:112 Resp: 701628
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.668 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:131 Resp: 270920
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 65.2 32.4 97.0

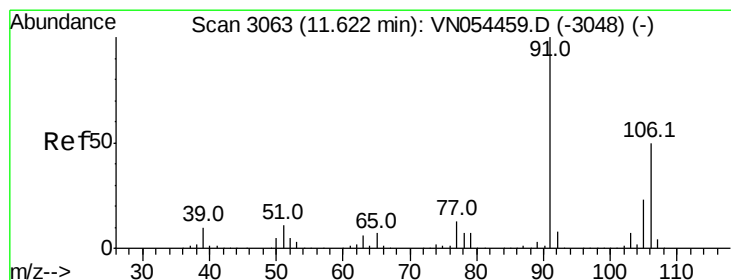
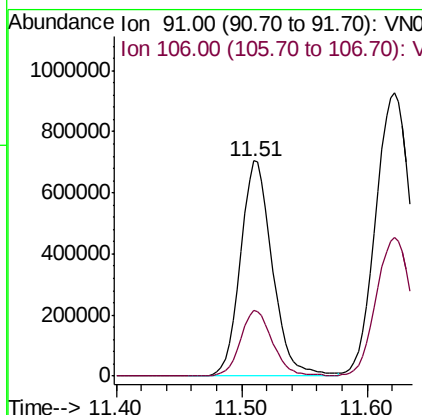
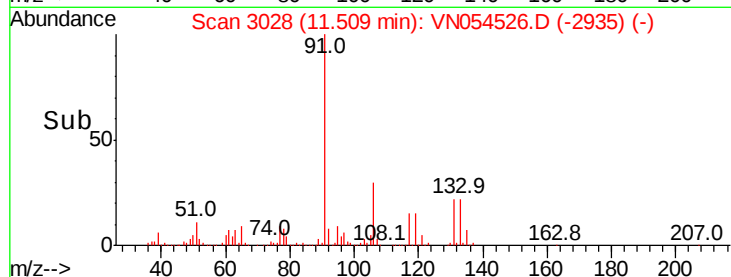
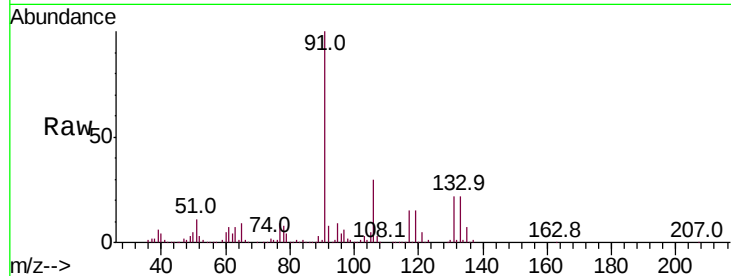




#67
Ethyl Benzene
Concen: 49.347 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

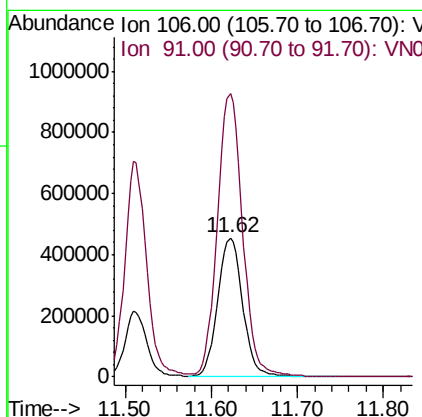
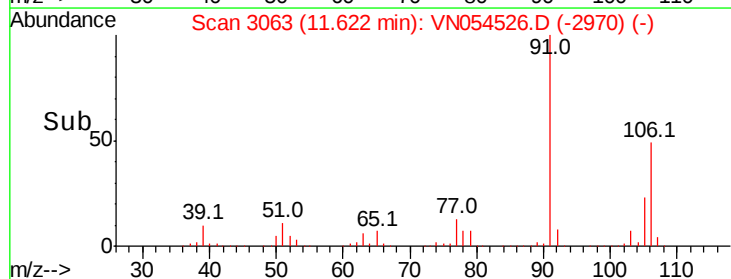
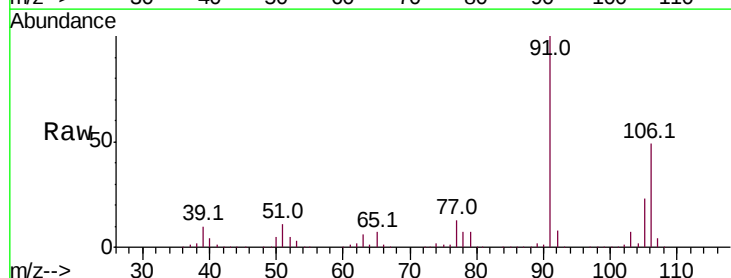
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

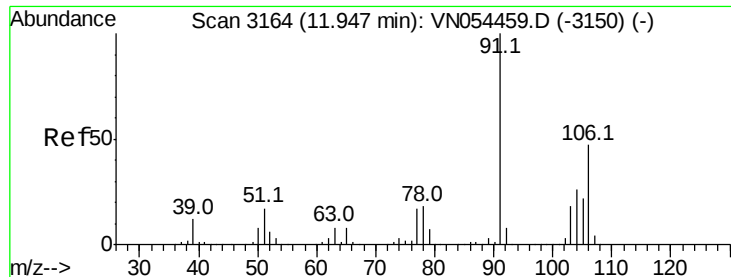
Tot Ion: 91 Resp: 1249238
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 96.754 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 106 Resp: 927754
Ion Ratio Lower Upper
106 100
91 205.2 159.4 239.2

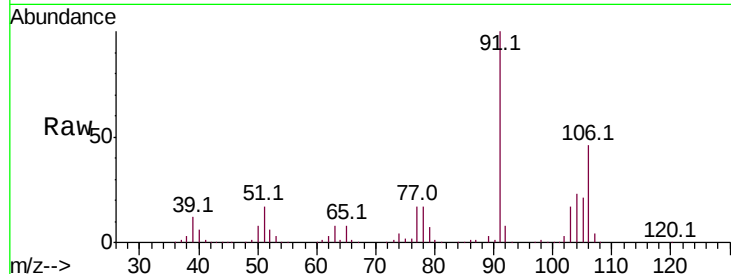




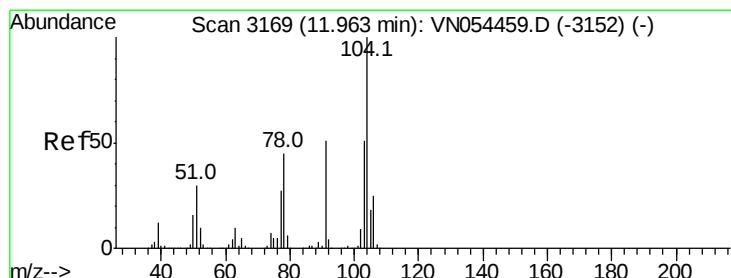
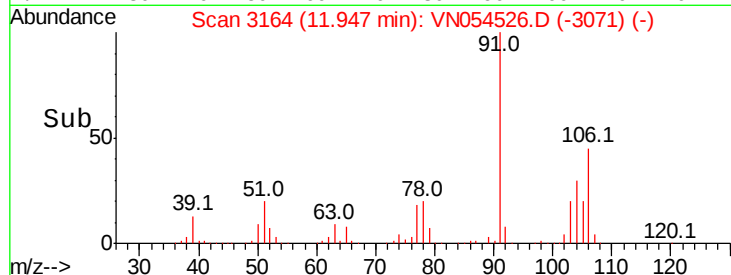
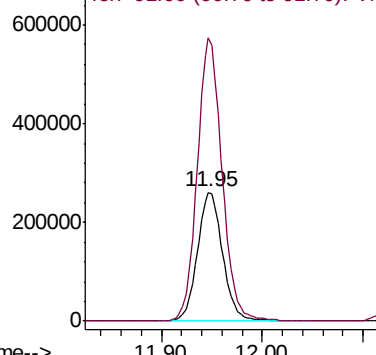
#69
o-Xylene
Concen: 48.530 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 454457
Ion Ratio Lower Upper
106 100
91 216.6 105.7 317.1

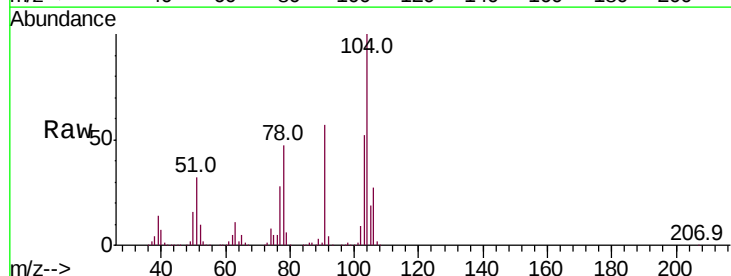


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

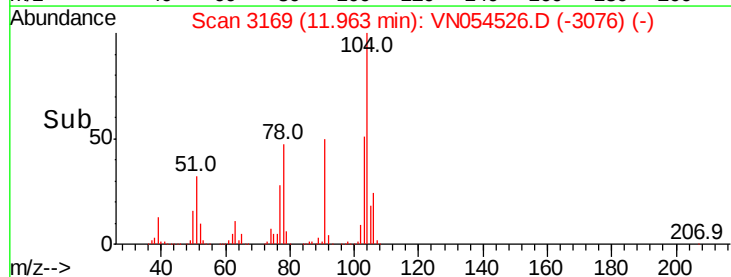
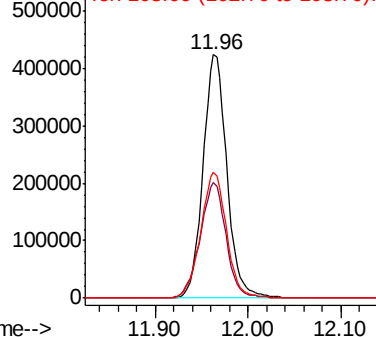


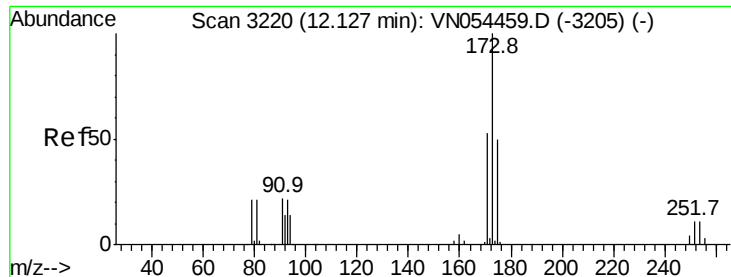
#70
Styrene
Concen: 49.755 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:104 Resp: 756627
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.9 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

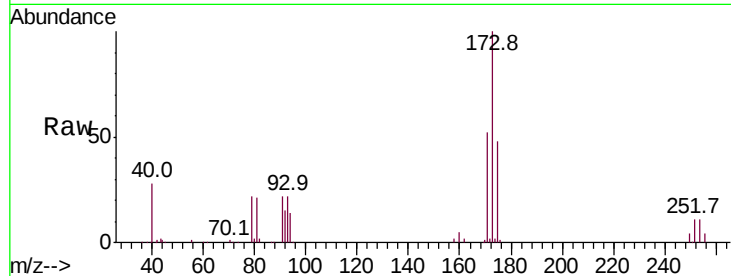




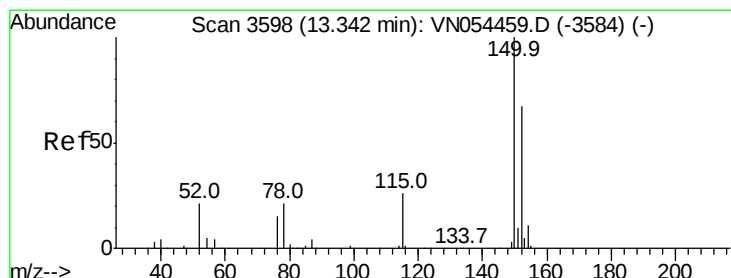
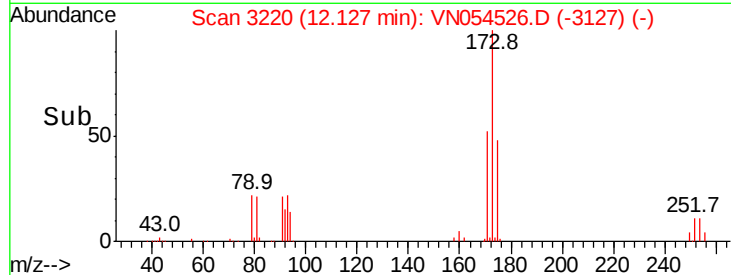
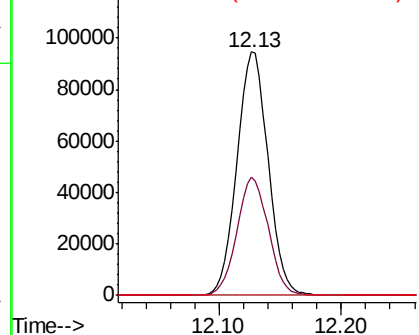
#71
Bromoform
Concen: 47.392 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 167641
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.2
254 0.0 0.1 0.1#

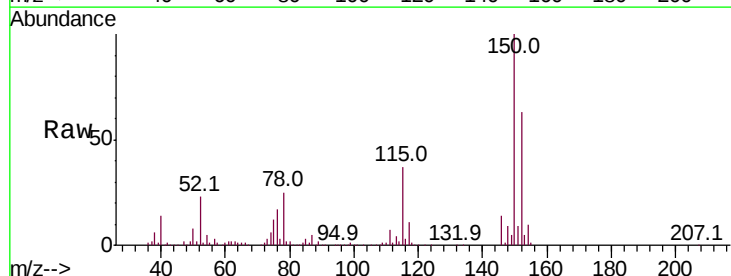


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

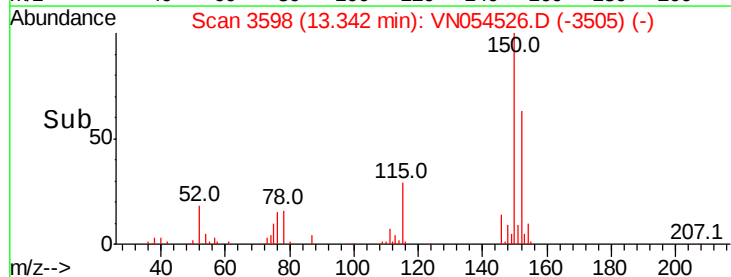
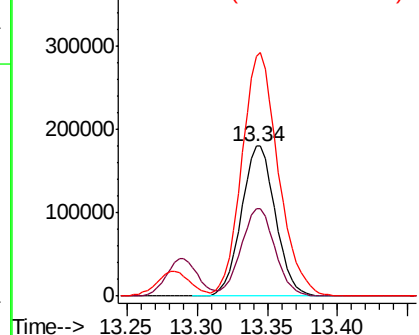


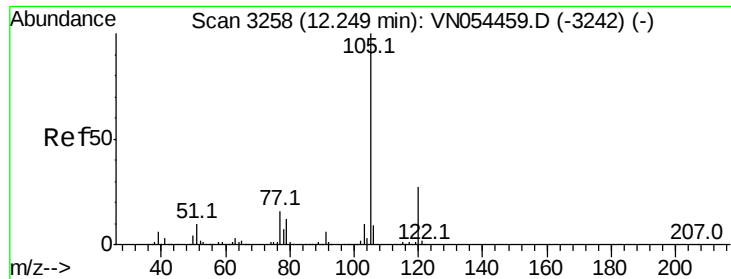
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:152 Resp: 304508
Ion Ratio Lower Upper
152 100
115 58.5 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: 48.743 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

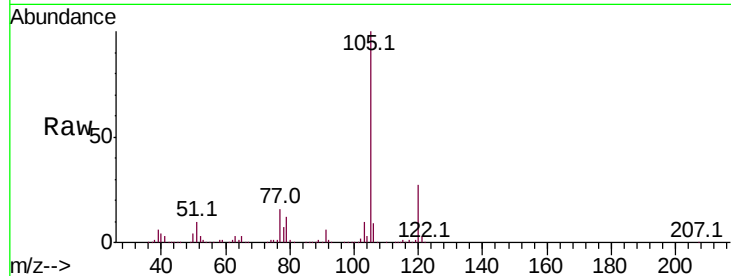
VSTDCCC050EC

Tot Ion:105 Resp: 1196042

Ion Ratio Lower Upper

105 100

120 26.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

600000

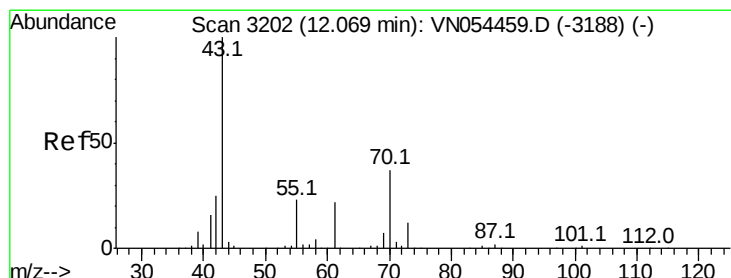
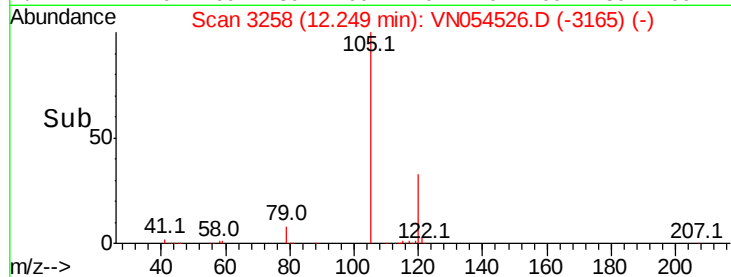
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 57.373 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion: 43 Resp: 404798

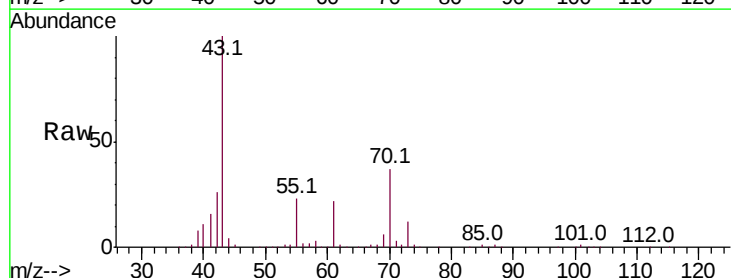
Ion Ratio Lower Upper

43 100

70 37.1 35.4 53.0

55 23.4 19.8 29.6

61 22.2 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

400000

300000

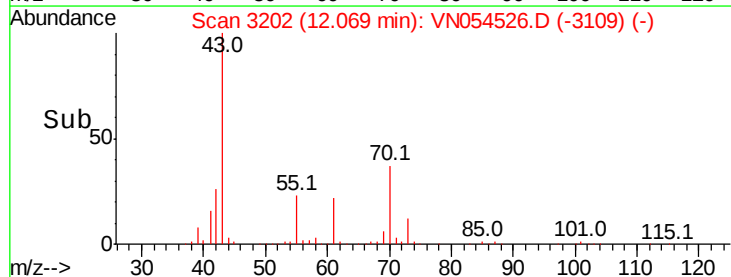
200000

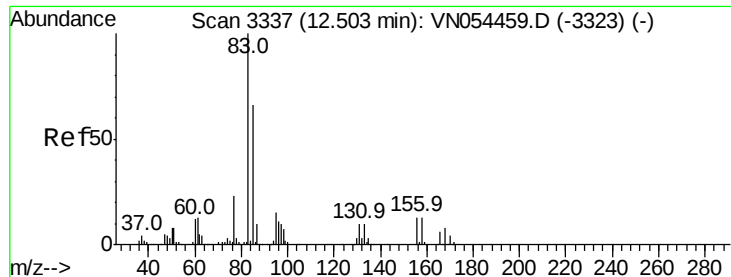
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 54.122 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

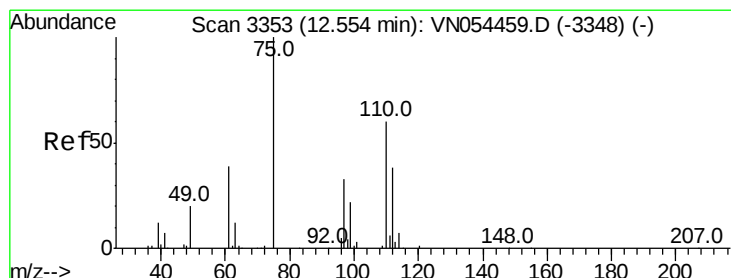
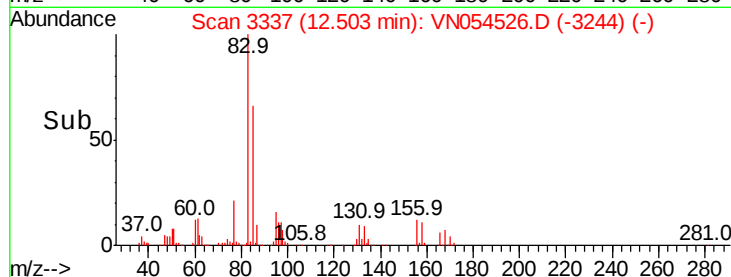
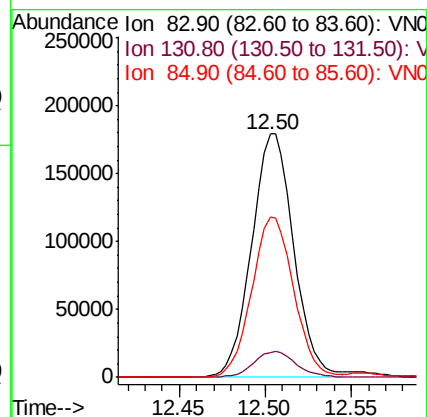
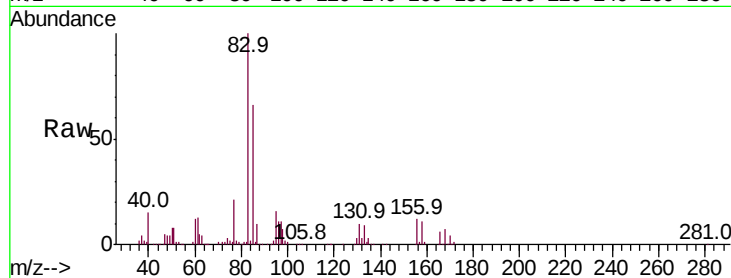
Tot Ion: 83 Resp: 303158

Ion Ratio Lower Upper

83 100

131 10.8 5.8 17.4

85 65.9 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 75.504 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054526.D

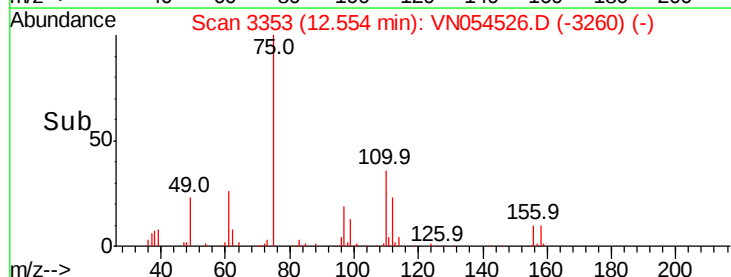
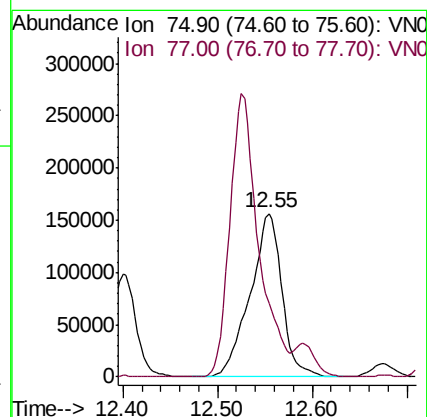
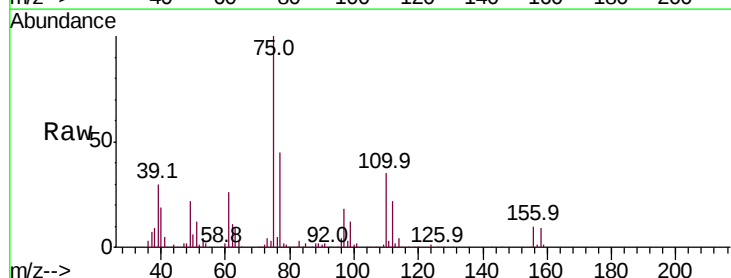
Acq: 21 Mar 2019 22:07

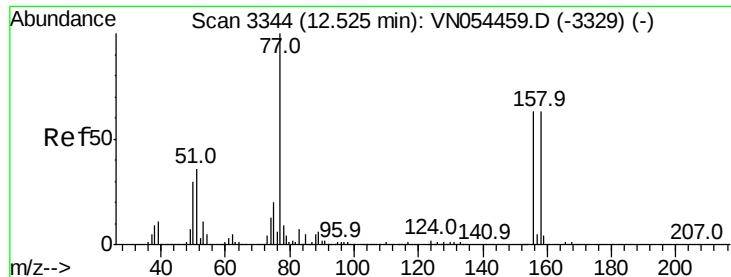
Tgt Ion: 75 Resp: 364842

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.320 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

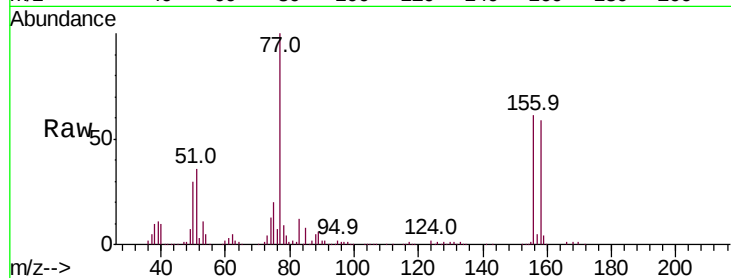
Tot Ion:156 Resp: 300148

Ion Ratio Lower Upper

156 100

77 191.9 81.5 244.4

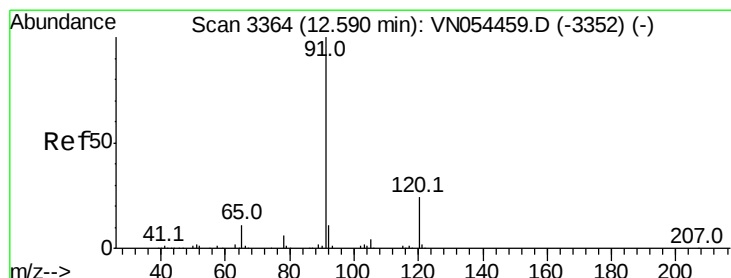
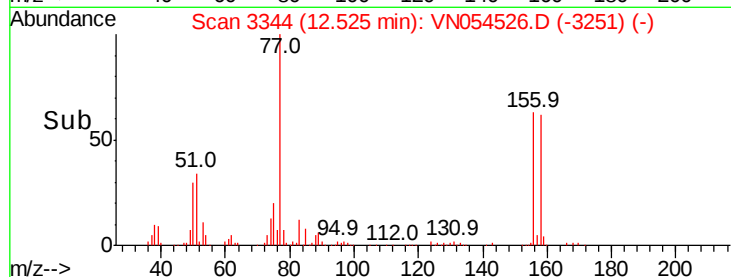
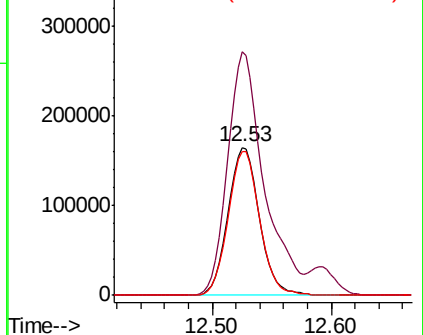
158 97.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.079 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054526.D

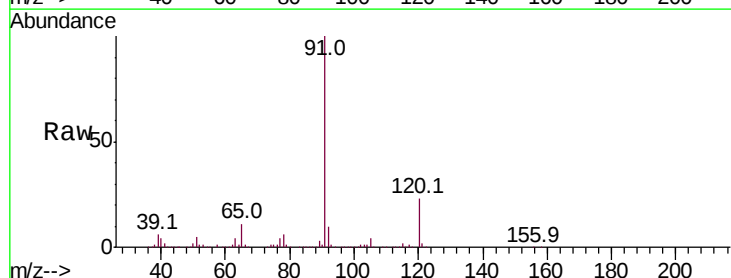
Acq: 21 Mar 2019 22:07

Tgt Ion: 91 Resp: 1305886

Ion Ratio Lower Upper

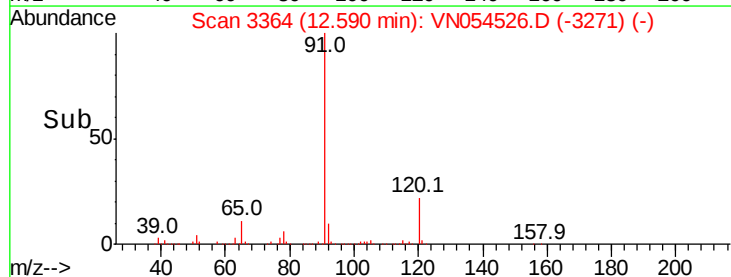
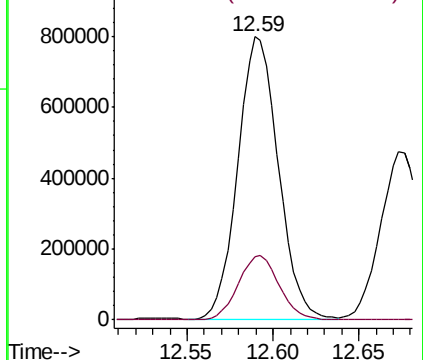
91 100

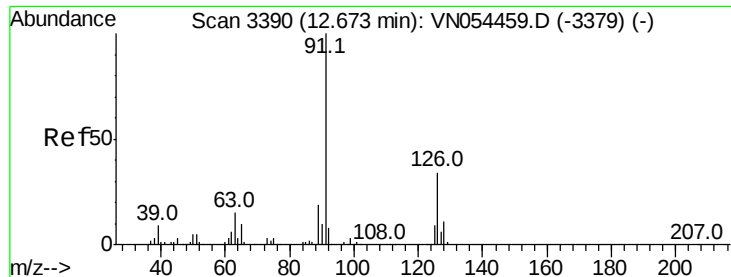
120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.401 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

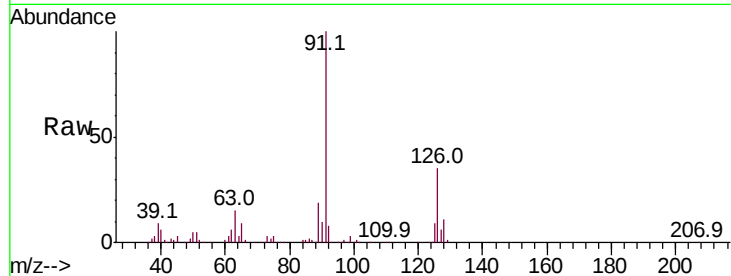
VSTDCCC050EC

Tot Ion: 91 Resp: 803087

Ion Ratio Lower Upper

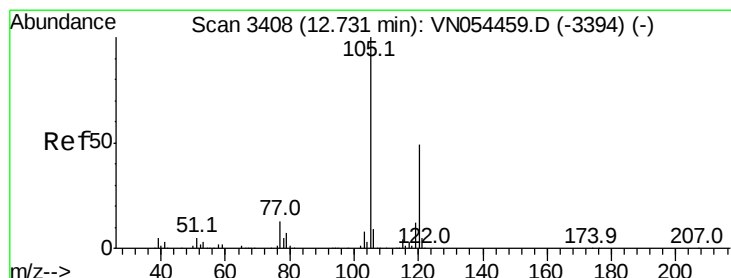
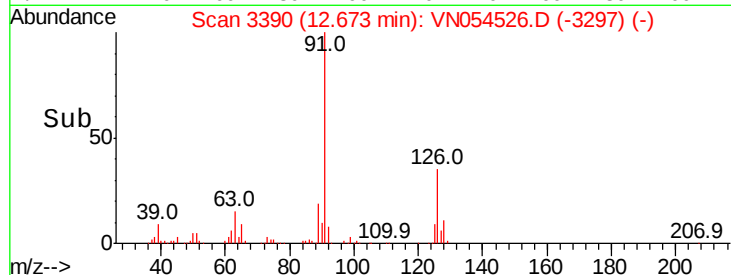
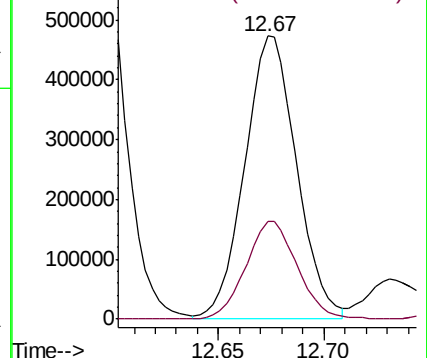
91 100

126 34.7 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.560 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054526.D

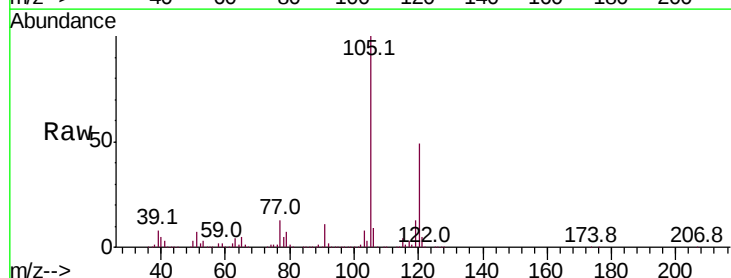
Acq: 21 Mar 2019 22:07

Tgt Ion:105 Resp: 976579

Ion Ratio Lower Upper

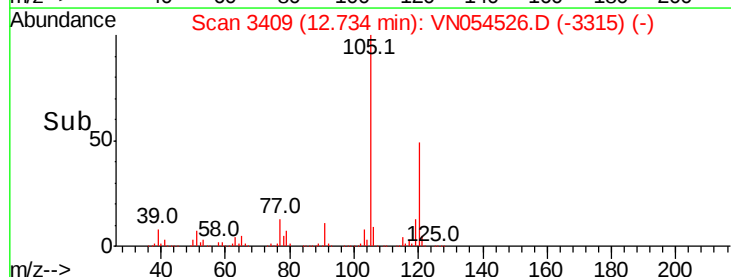
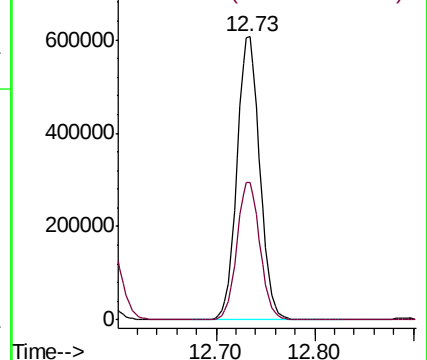
105 100

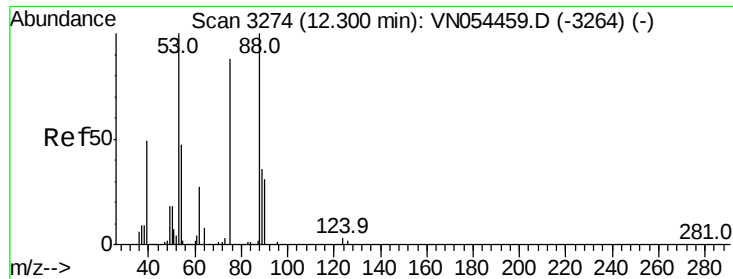
120 49.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.925 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

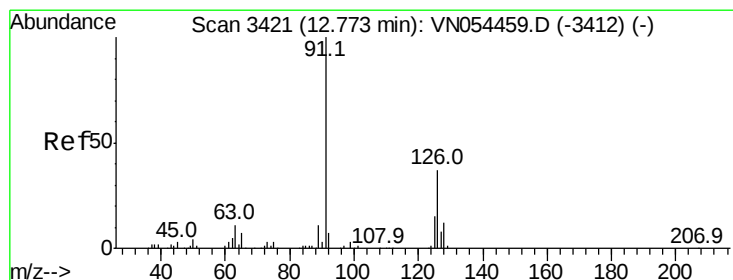
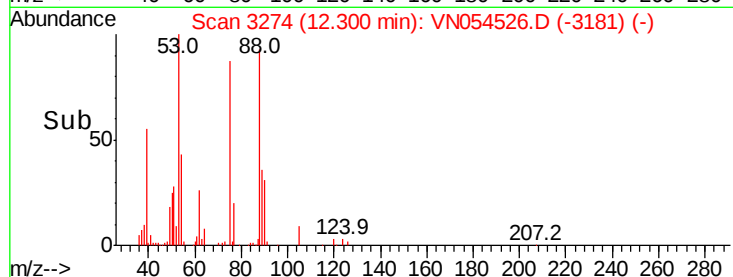
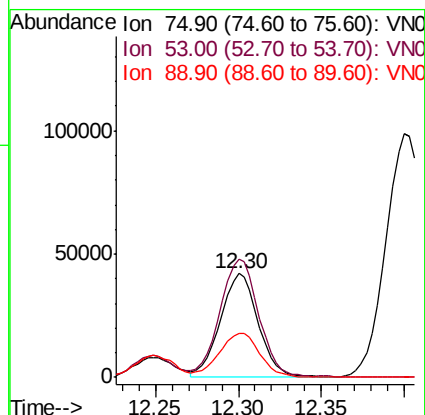
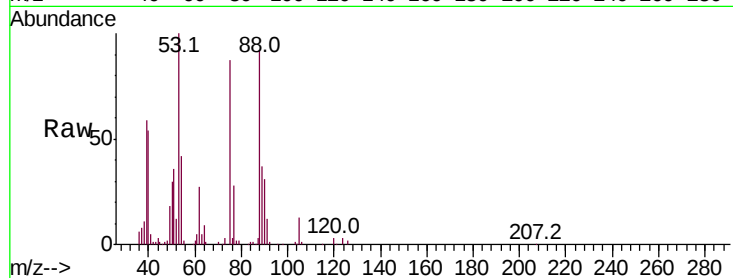
Tot Ion: 75 Resp: 65482

Ion Ratio Lower Upper

75 100

53 117.5 76.2 114.2#

89 46.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 48.966 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054526.D

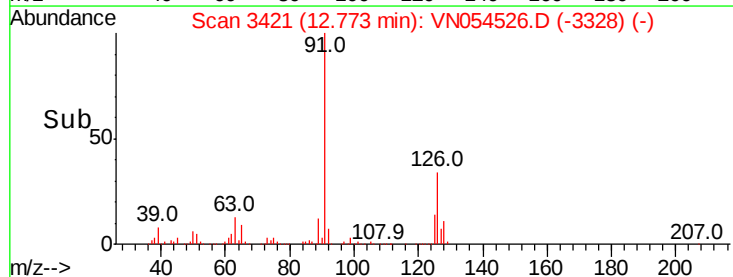
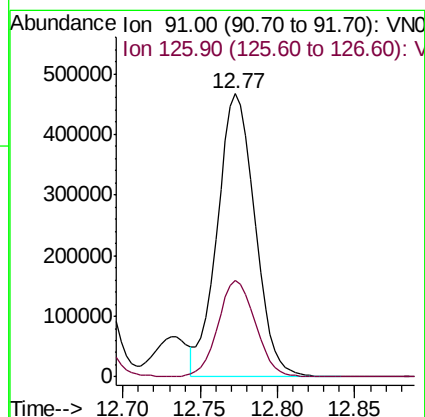
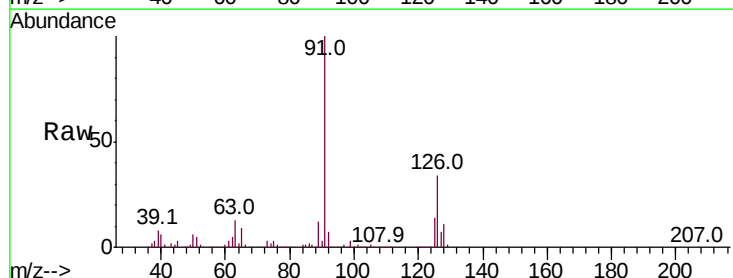
Acq: 21 Mar 2019 22:07

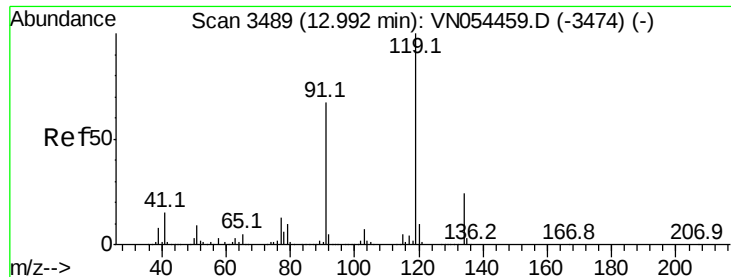
Tgt Ion: 91 Resp: 787545

Ion Ratio Lower Upper

91 100

126 34.0 18.1 54.1

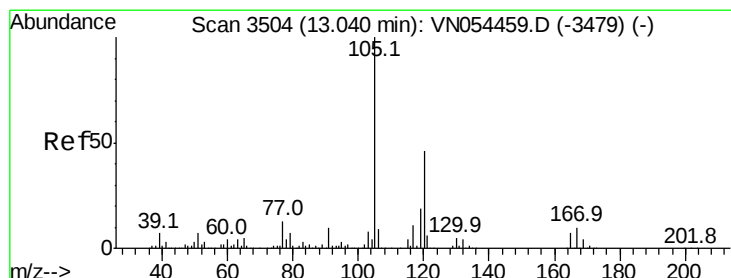
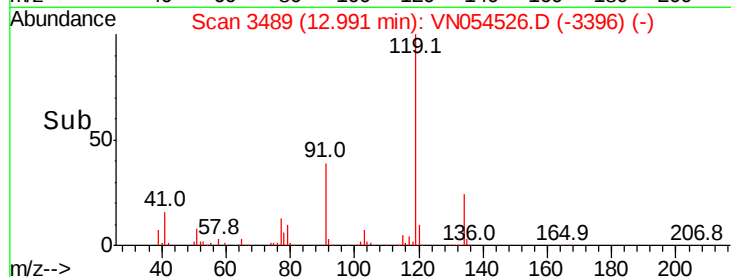
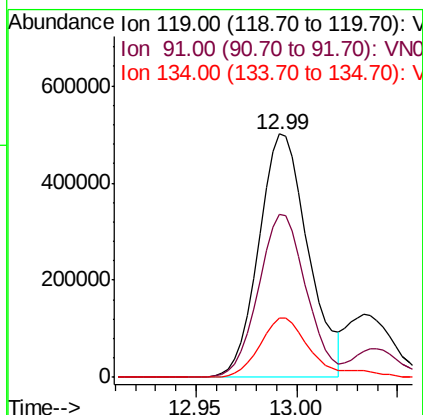
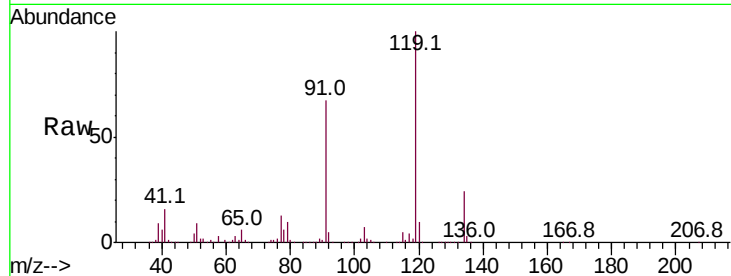




#83
tert-Butylbenzene
Concen: 48.709 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

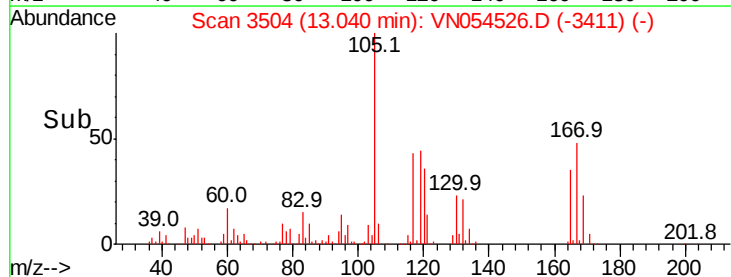
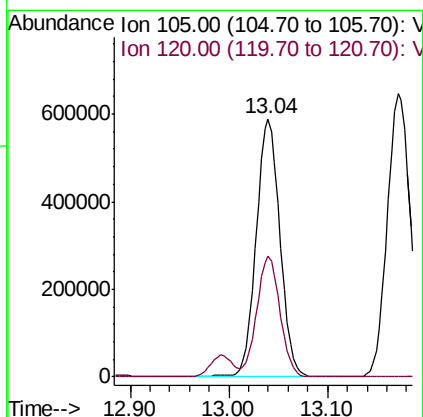
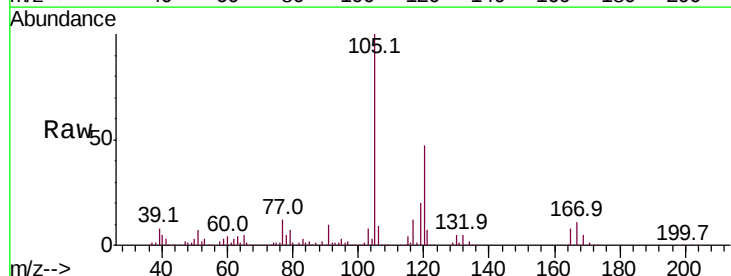
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

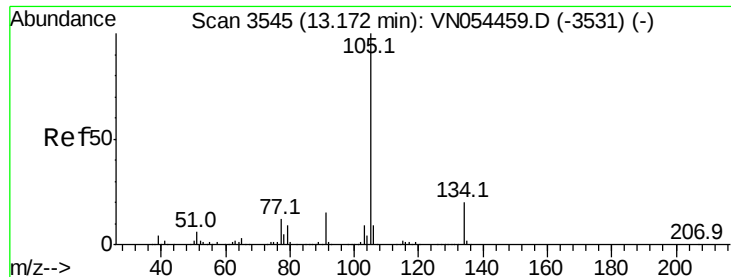
Tot Ion:119 Resp: 852672
Ion Ratio Lower Upper
119 100
91 64.7 30.9 92.8
134 25.8 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 49.265 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:105 Resp: 972164
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 48.209 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

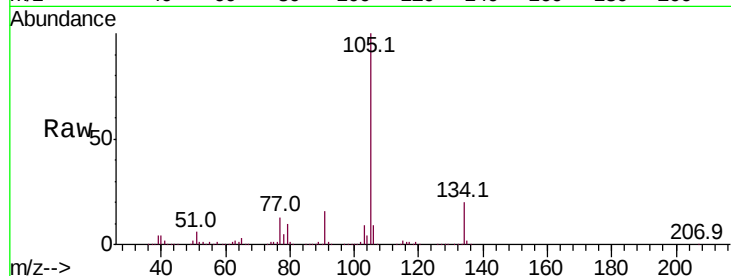
VSTDCCC050EC

Tot Ion:105 Resp: 1052029

Ion Ratio Lower Upper

105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

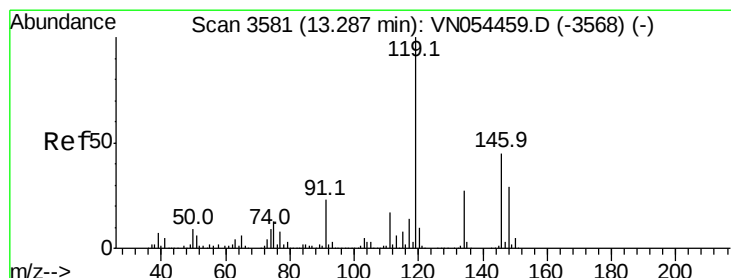
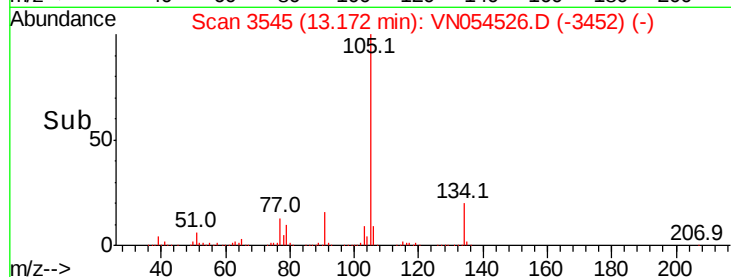
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.573 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

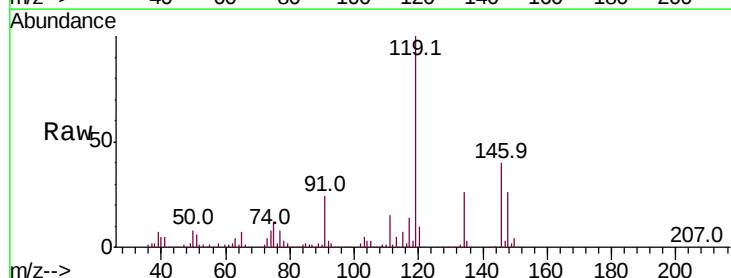
Tgt Ion:119 Resp: 948311

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

91 23.3 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

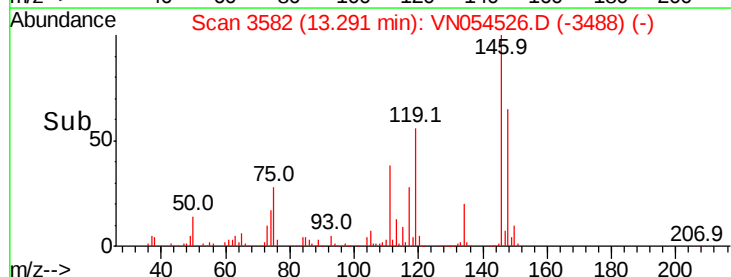
600000

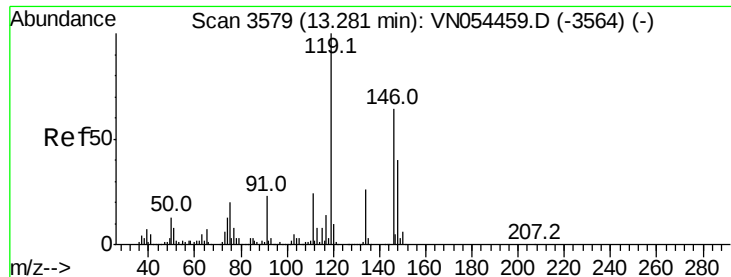
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.917 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

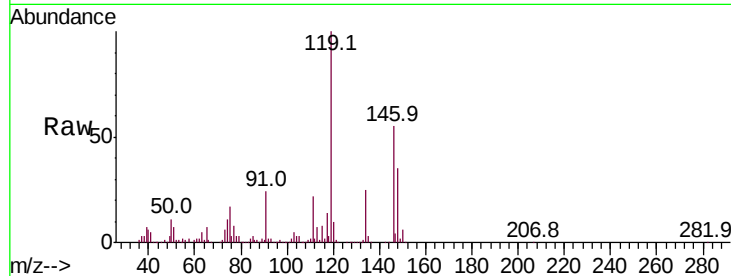
Tot Ion:146 Resp: 493329

Ion Ratio Lower Upper

146 100

111 39.4 18.8 56.3

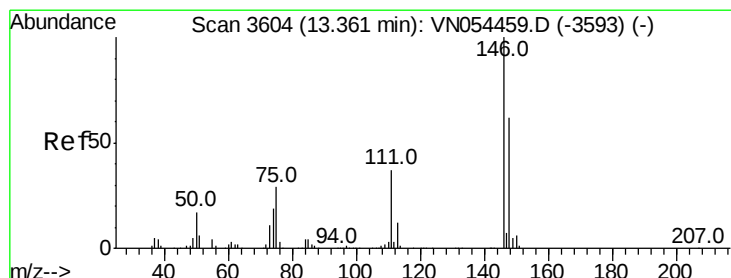
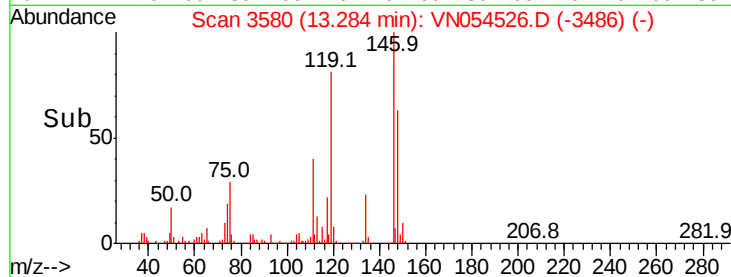
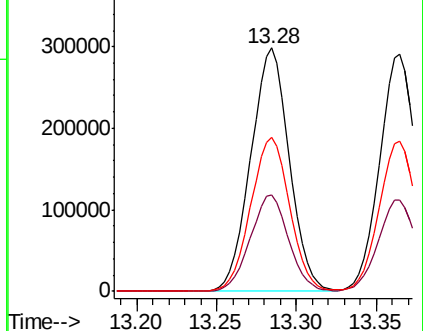
148 63.9 32.2 96.6



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: 48.806 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

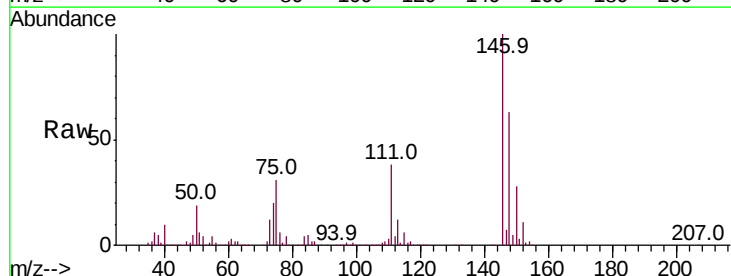
Tgt Ion:146 Resp: 478900

Ion Ratio Lower Upper

146 100

111 39.3 18.1 54.1

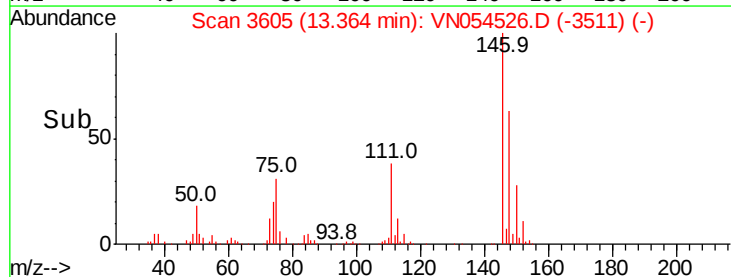
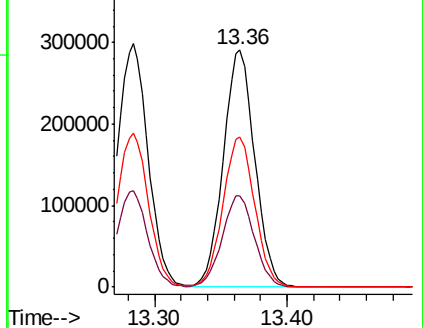
148 63.9 32.0 96.0

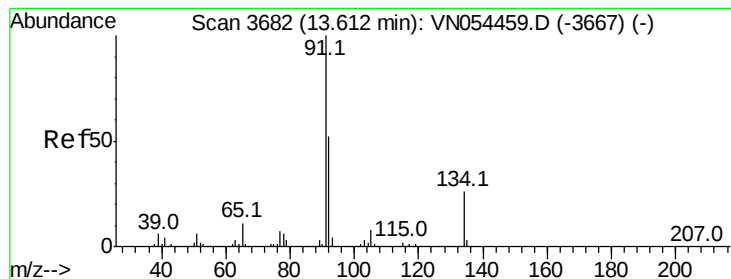


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.794 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

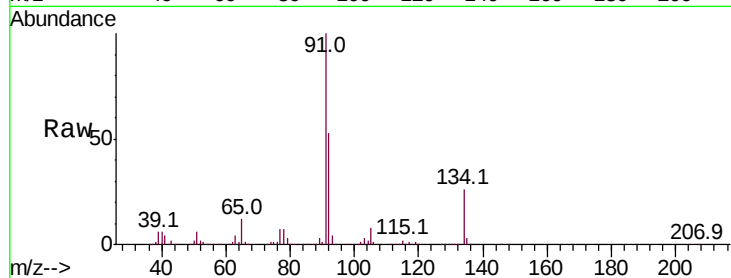
Tot Ion: 91 Resp: 744877

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.6

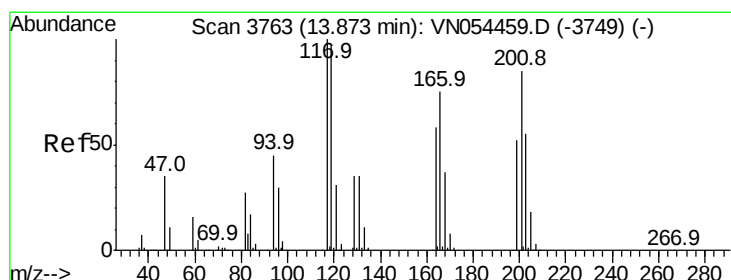
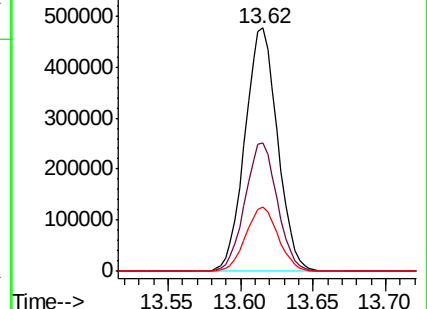
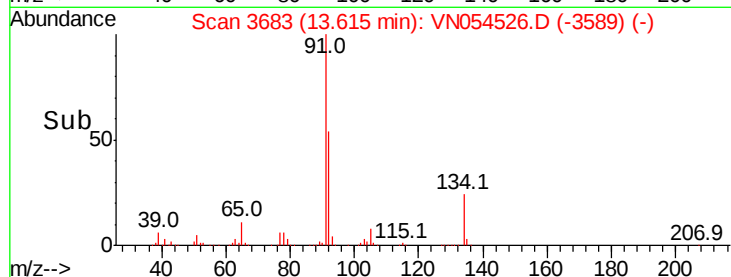
134 26.2 14.3 42.9



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

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

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



#90

Hexachloroethane

Concen: 51.947 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054526.D

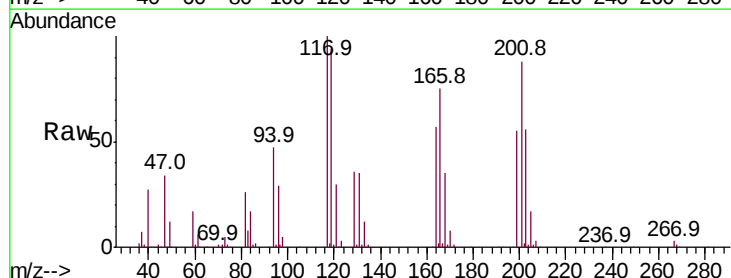
Acq: 21 Mar 2019 22:07

Tgt Ion: 117 Resp: 157425

Ion Ratio Lower Upper

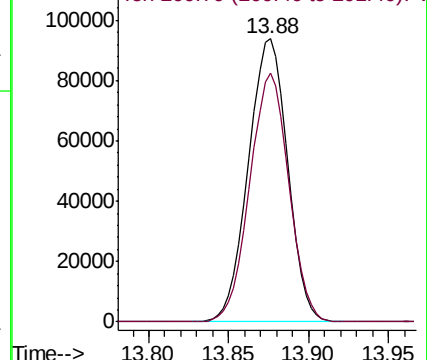
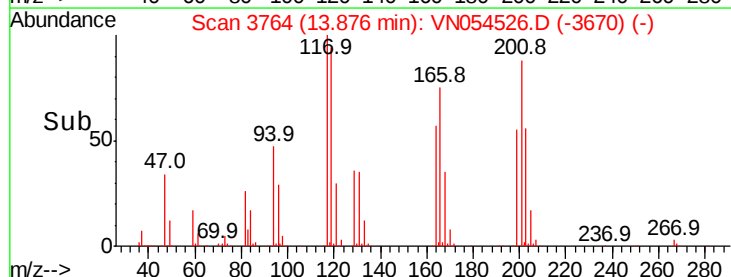
117 100

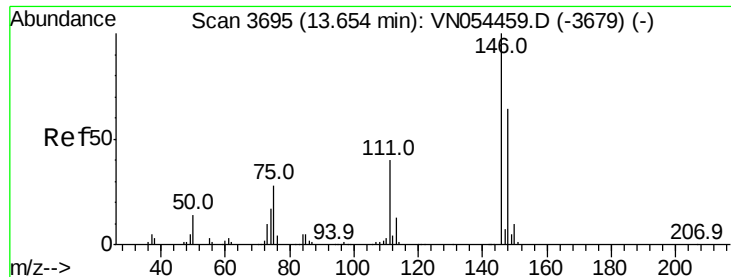
201 87.4 48.1 144.4



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

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





#91

1,2-Dichlorobenzene

Concen: 50.257 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

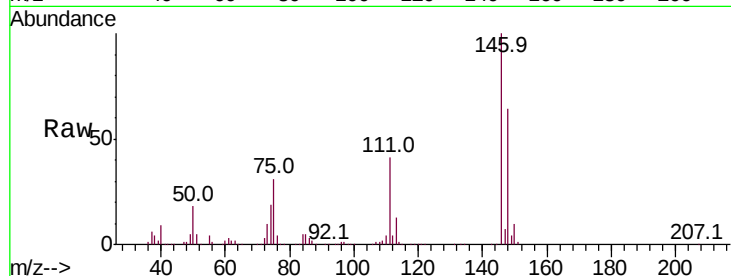
Tot Ion:146 Resp: 490922

Ion Ratio Lower Upper

146 100

111 41.1 19.1 57.3

148 64.0 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.65

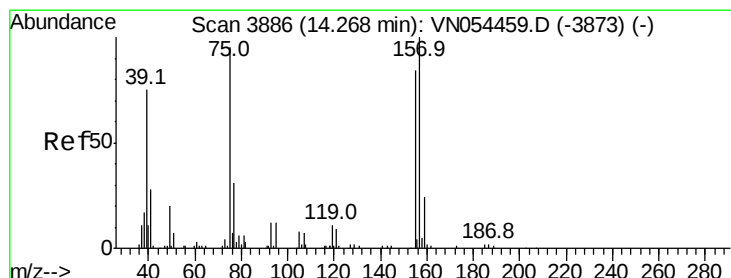
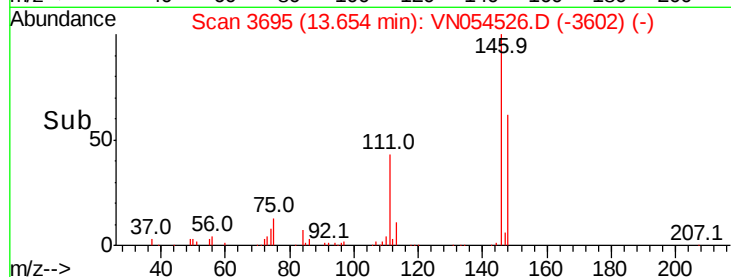
300000

200000

100000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.082 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

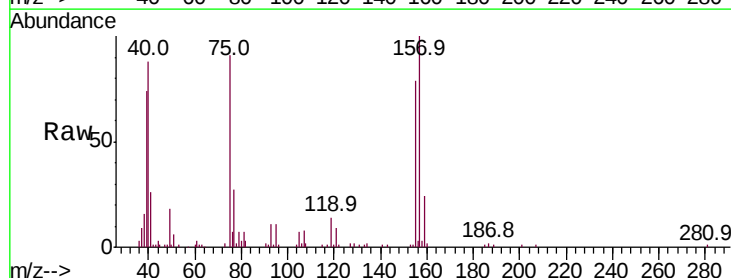
Tgt Ion: 75 Resp: 47720

Ion Ratio Lower Upper

75 100

155 84.8 50.1 150.3

157 109.8 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

14.27

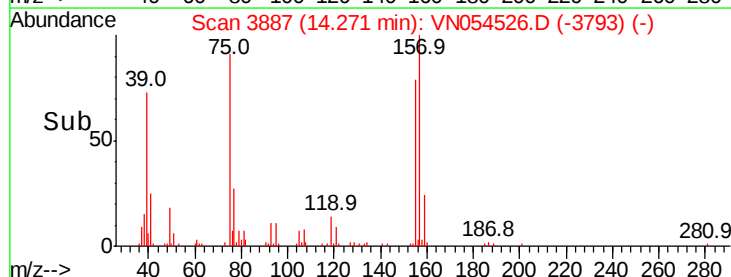
30000

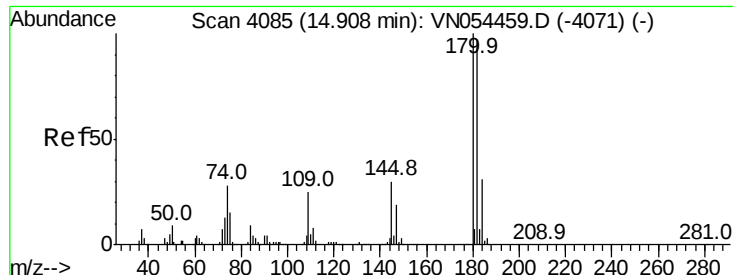
20000

10000

0

Time-->

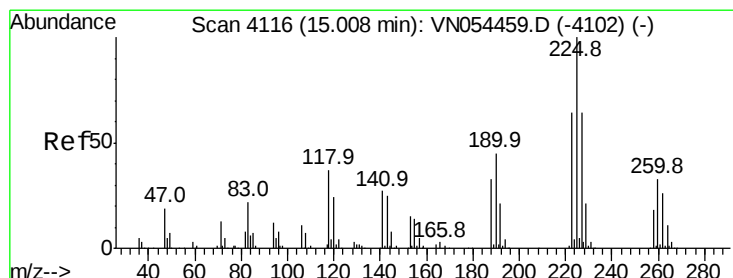
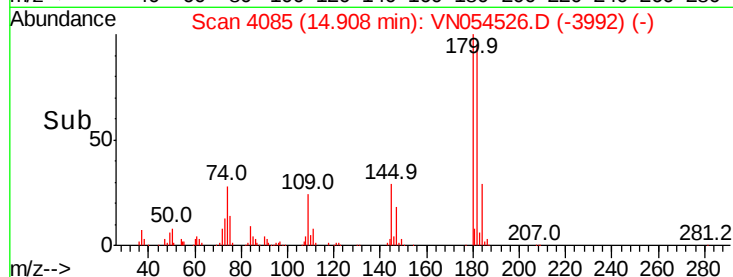
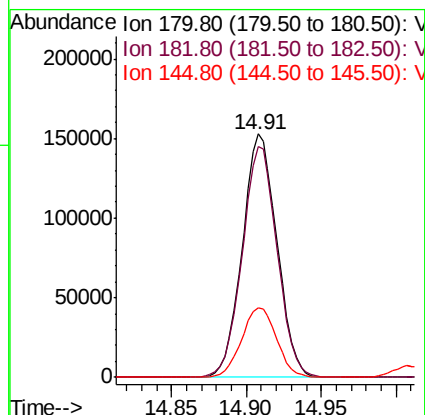
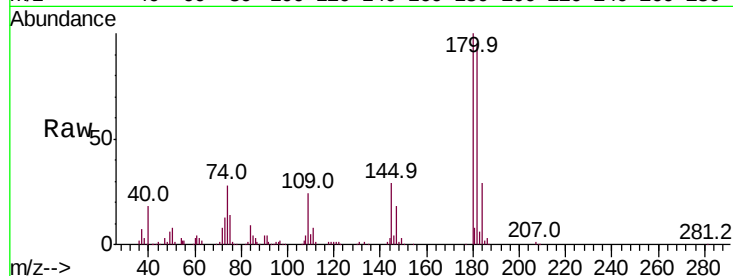




#93
 1,2,4-Trichlorobenzene
 Concen: 50.438 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

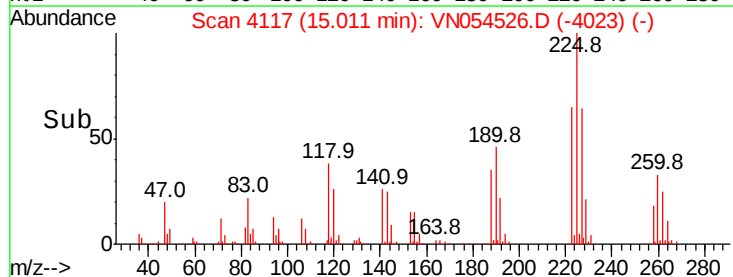
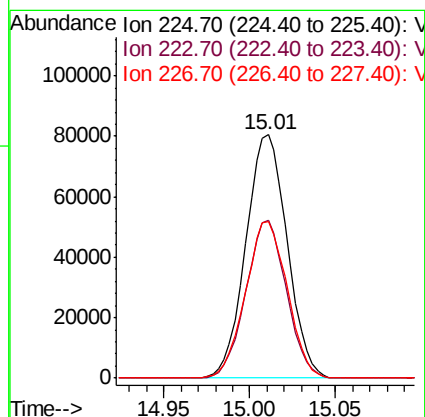
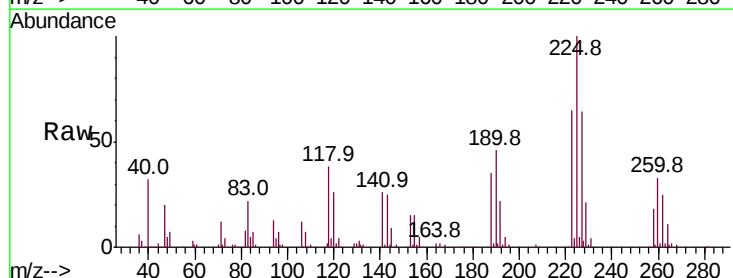
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

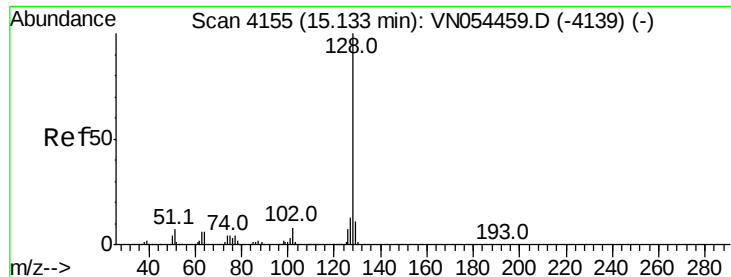
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	28.9	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 49.021 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.5
227	64.9	31.9	95.9

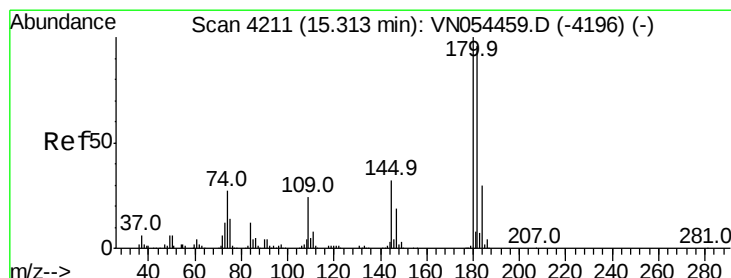
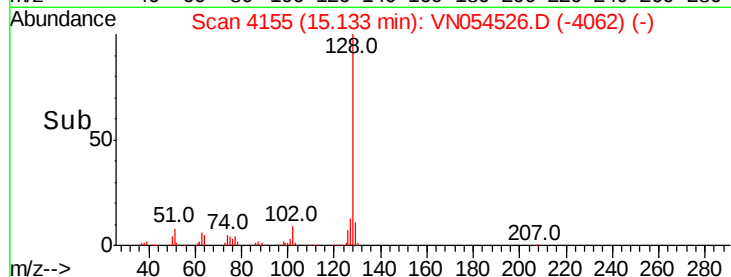
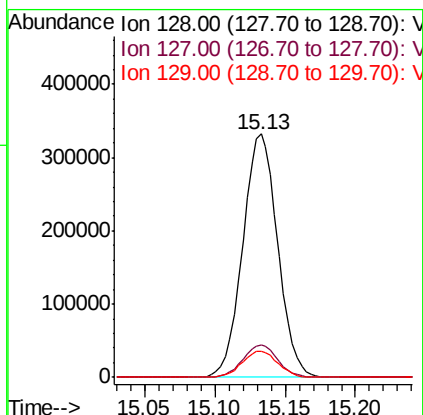
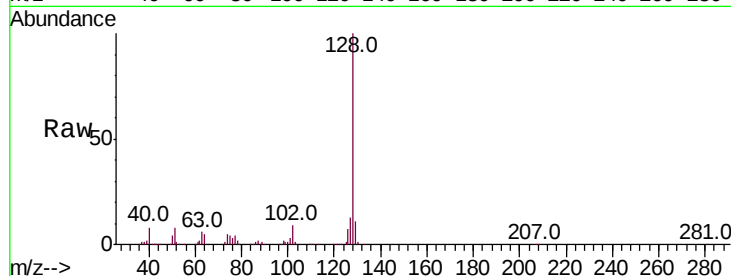




#95
Naphthalene
Concen: 52.932 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 574936
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.073 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:180 Resp: 247529
Ion Ratio Lower Upper
180 100
182 96.2 47.5 142.6
145 30.5 14.8 44.3

