

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054505.D
 Acq On : 21 Mar 2019 11:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 22 10:13:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	568655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	749355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	341063	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	343180	48.52	ug/l	0.00
Spiked Amount						
			Recovery	=	97.04%	
35) Dibromofluoromethane	7.59	113	280671	50.59	ug/l	0.00
Spiked Amount						
			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1058348	50.75	ug/l	0.00
Spiked Amount						
			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	366376	51.63	ug/l	0.00
Spiked Amount						
			Recovery	=	103.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	280334	51.568	ug/l	99
3) Chloromethane	2.06	50	355998	48.131	ug/l	99
4) Vinyl Chloride	2.19	62	351309	47.308	ug/l	100
5) Bromomethane	2.57	94	203977	42.479	ug/l	96
6) Chloroethane	2.71	64	196929	44.213	ug/l	99
7) Trichlorofluoromethane	3.02	101	427273	47.379	ug/l	99
8) Diethyl Ether	3.41	74	155295	44.775	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.75	101	244879	46.203	ug/l	95
10) Methyl Iodide	3.94	142	346137	44.397	ug/l	93
11) Tert butyl alcohol	4.82	59	103757	242.295	ug/l	98
12) 1,1-Dichloroethene	3.73	96	233973	42.658	ug/l #	79
13) Acrolein	3.61	56	133043	225.132	ug/l	98
14) Allyl chloride	4.32	41	511706	49.544	ug/l #	91
15) Acrylonitrile	4.99	53	540476	253.445	ug/l	99
16) Acetone	3.82	43	529988	249.224	ug/l #	85
17) Carbon Disulfide	4.04	76	700541	47.668	ug/l	99
18) Methyl Acetate	4.33	43	230992	48.734	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	779147	48.675	ug/l	94
20) Methylene Chloride	4.55	84	293916	46.887	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	279503	49.905	ug/l #	84
22) Diisopropyl ether	5.96	45	1026179	50.371	ug/l #	94
23) Vinyl Acetate	5.90	43	3780346	262.734	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	545610	49.740	ug/l	98
25) 2-Butanone	6.84	43	721837	264.981	ug/l	90
26) 2,2-Dichloropropane	6.82	77	406014	51.924	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	319336	47.802	ug/l	88
28) Bromochloromethane	7.19	49	260365	48.222	ug/l #	75
29) Tetrahydrofuran	7.22	42	453588	256.588	ug/l #	85
30) Chloroform	7.37	83	521798	48.744	ug/l	100
31) Cyclohexane	7.65	56	543430	51.768	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	444539	50.335	ug/l	96
36) 1,1-Dichloropropene	7.79	75	417720	51.884	ug/l	96
37) Ethyl Acetate	6.94	43	299739	52.345	ug/l	96
38) Carbon Tetrachloride	7.77	117	395095	50.499	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	498994	54.182	ug/l	90
40) Benzene	8.04	78	1178975	51.210	ug/l	99
41) Methacrylonitrile	7.17	41	176792	50.625	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	418074	49.864	ug/l	98
43) Isopropyl Acetate	8.17	43	520945	53.868	ug/l #	94
44) Trichloroethene	8.83	130	320153	50.018	ug/l	93
45) 1,2-Dichloropropane	9.12	63	325697	52.684	ug/l	99
46) Dibromomethane	9.21	93	191496	51.923	ug/l	89
47) Bromodichloromethane	9.40	83	402962	52.647	ug/l	97
48) Methyl methacrylate	9.20	41	266524	50.777	ug/l	88
49) 1,4-Dioxane	9.20	88	58720	1000.682	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1454816	271.442	ug/l	94
52) Toluene	10.16	92	723043	51.062	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	399106	49.456	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	480040	54.698	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	261013	51.280	ug/l	97
56) Ethyl methacrylate	10.43	69	371457	54.372	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	462674	52.291	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	717013	254.877	ug/l	91
59) 2-Hexanone	10.75	43	958580	273.817	ug/l	94
60) Dibromochloromethane	10.90	129	291187	53.762	ug/l	99
61) 1,2-Dibromoethane	11.00	107	260932	51.854	ug/l	99
64) Tetrachloroethene	10.63	164	300227	48.302	ug/l	96
65) Chlorobenzene	11.43	112	770625	50.563	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	286713	52.411	ug/l	99
67) Ethyl Benzene	11.51	91	1368336	50.826	ug/l	99
68) m/p-Xylenes	11.62	106	1043449	102.324	ug/l	97
69) o-Xylene	11.95	106	498659	50.072	ug/l	97
70) Styrene	11.96	104	837597	51.791	ug/l	98
71) Bromoform	12.13	173	179650	47.739	ug/l #	99
73) Isopropylbenzene	12.25	105	1335371	48.588	ug/l	98
74) N-amyl acetate	12.07	43	436124	55.188	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	319067	50.857	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	388028	71.696	ug/l #	100
77) Bromobenzene	12.53	156	328532	48.198	ug/l	87
78) n-propylbenzene	12.59	91	1508813	50.628	ug/l	97
79) 2-Chlorotoluene	12.67	91	894271	48.119	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1124383	49.917	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	75071	47.956	ug/l	86
82) 4-Chlorotoluene	12.77	91	892648	49.553	ug/l	97
83) tert-Butylbenzene	12.99	119	972255	49.587	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1102362	49.876	ug/l	99
85) sec-Butylbenzene	13.17	105	1241193	50.781	ug/l	97
86) p-Isopropyltoluene	13.29	119	1135248	51.916	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	559982	49.575	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	544726	49.564	ug/l	98
89) n-Butylbenzene	13.62	91	950376	55.583	ug/l	99
90) Hexachloroethane	13.87	117	183816	54.155	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	544119	49.732	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48100	52.270	ug/l	85

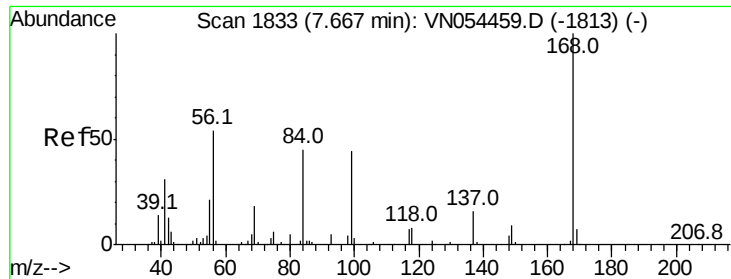
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	305476	56.008	ug/l	99
94) Hexachlorobutadiene	15.01	225	187717	61.845	ug/l	98
95) Naphthalene	15.13	128	656665	53.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	295838	54.499	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

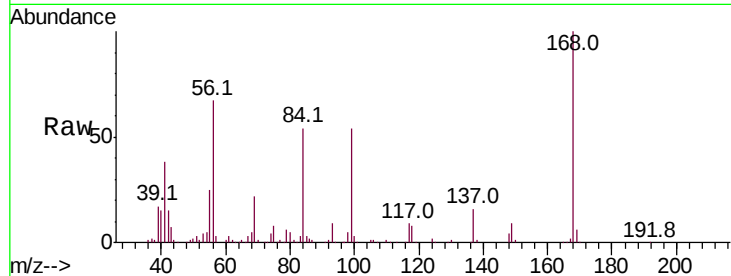
VSTDCCC050

Tot Ion:168 Resp: 568655

Ion Ratio Lower Upper

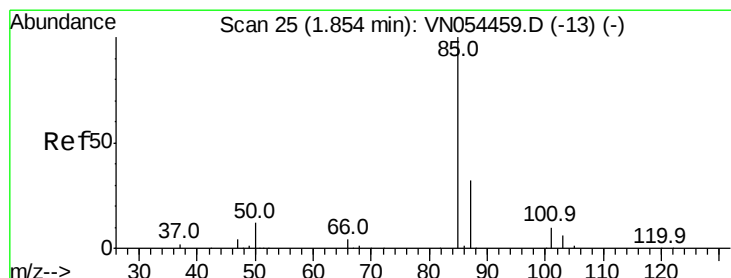
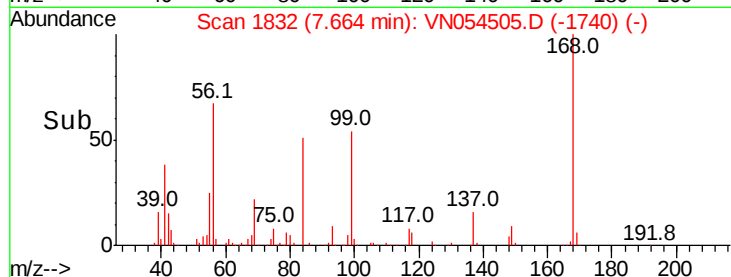
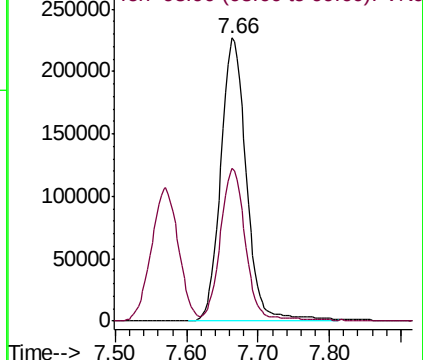
168 100

99 53.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 51.568 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054505.D

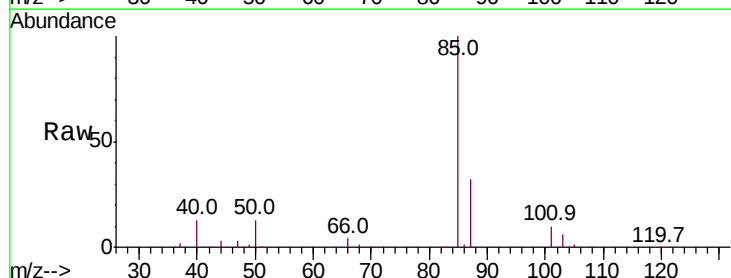
Acq: 21 Mar 2019 11:57

Tgt Ion: 85 Resp: 280334

Ion Ratio Lower Upper

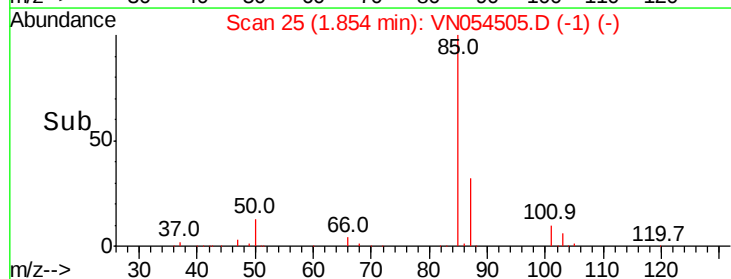
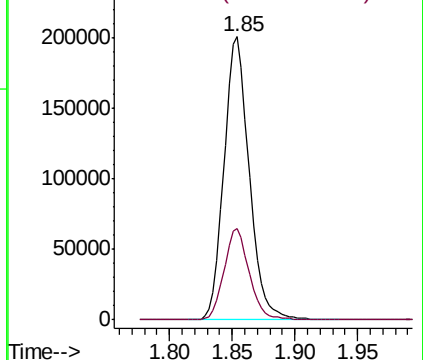
85 100

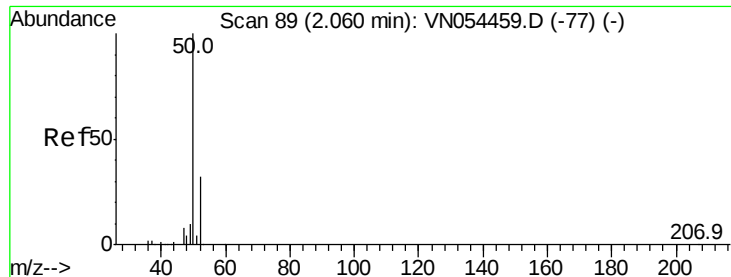
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 48.131 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

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ClientSampleId :

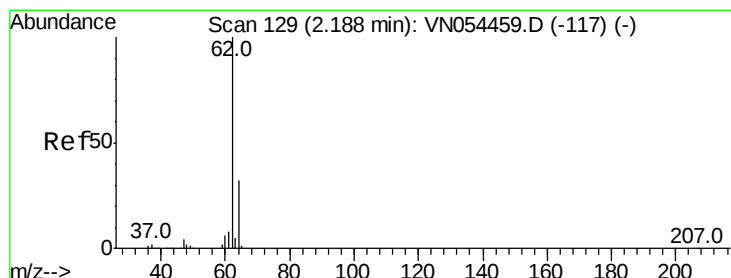
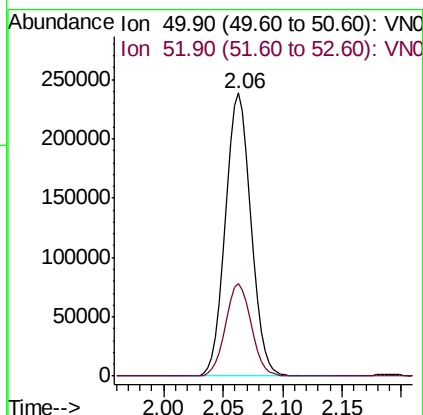
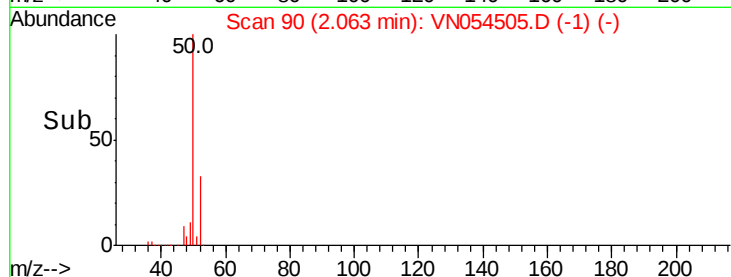
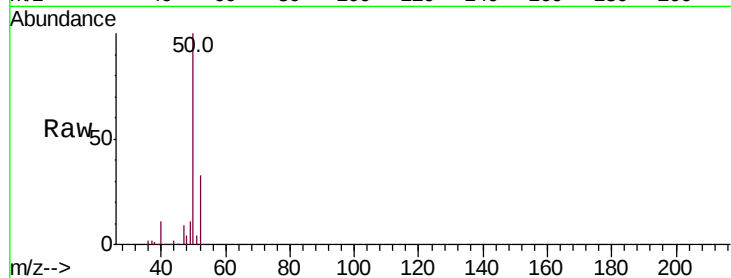
VSTDCCC050

Tot Ion: 50 Resp: 355998

Ion Ratio Lower Upper

50 100

52 32.6 26.4 39.6



#4

Vinyl Chloride

Concen: 47.308 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054505.D

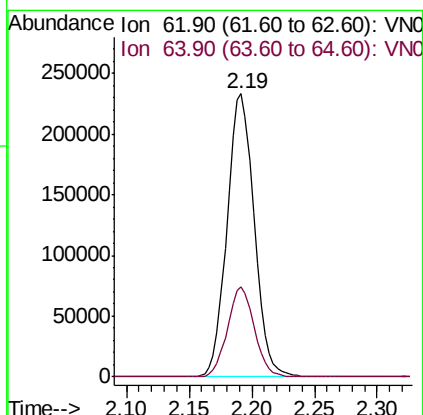
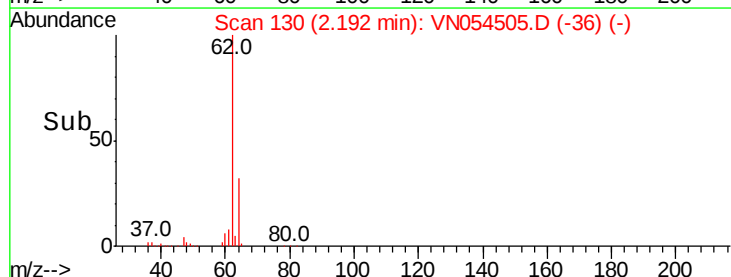
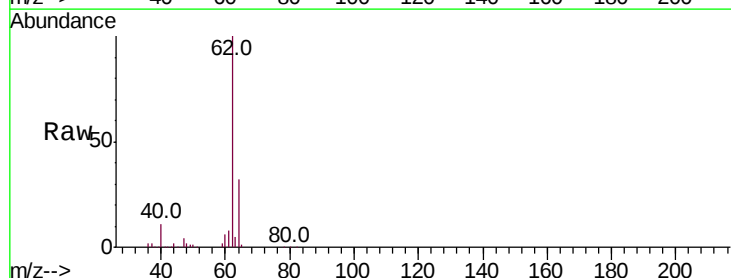
Acq: 21 Mar 2019 11:57

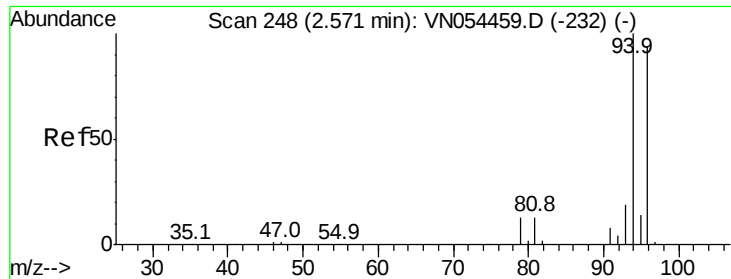
Tgt Ion: 62 Resp: 351309

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3

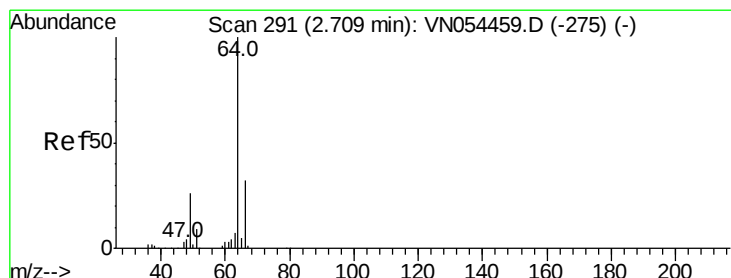
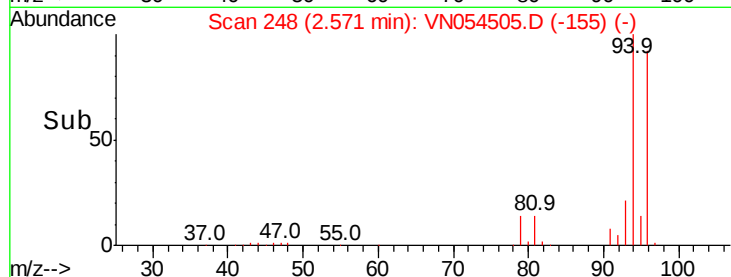
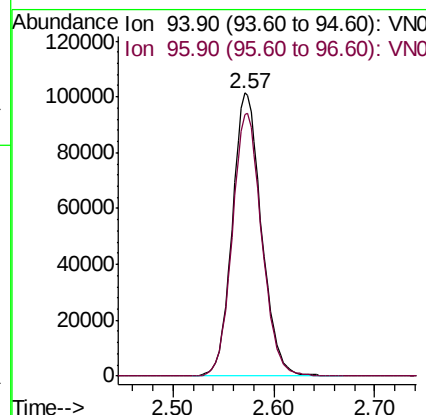
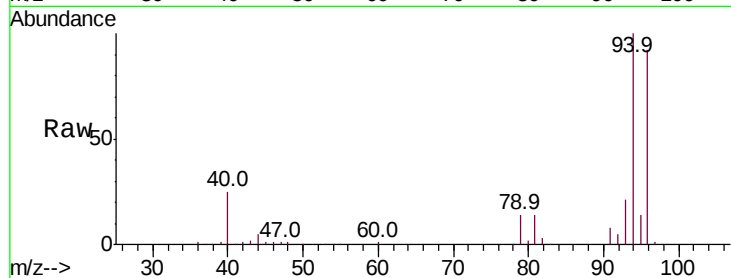




#5
Bromomethane
Concen: 42.479 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

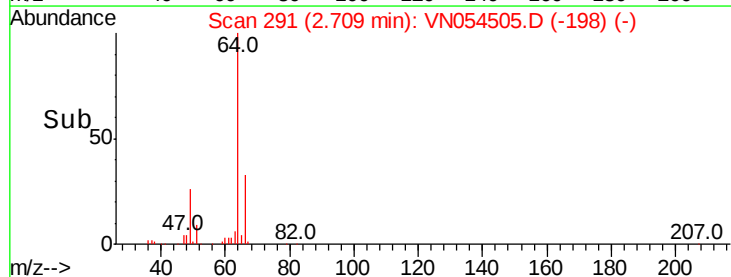
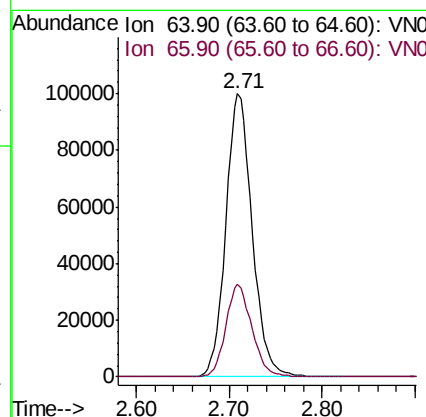
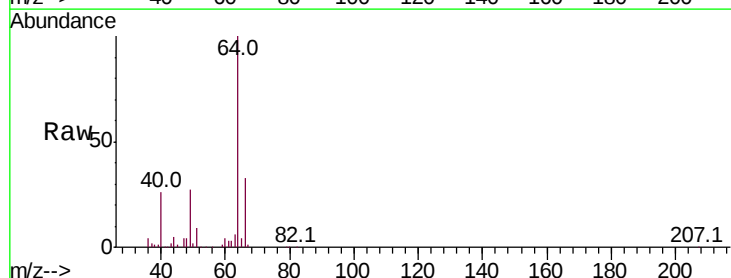
Instrument :
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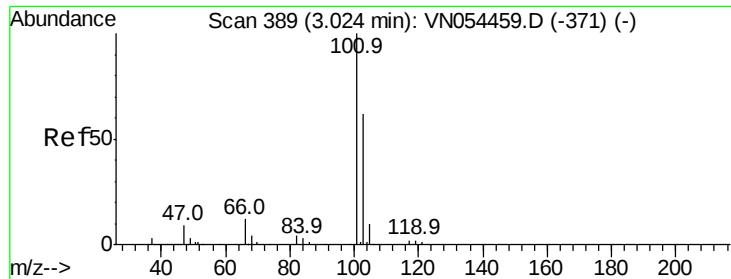
Tot Ion: 94 Resp: 203977
Ion Ratio Lower Upper
94 100
96 92.4 77.0 115.4



#6
Chloroethane
Concen: 44.213 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 64 Resp: 196929
Ion Ratio Lower Upper
64 100
66 32.9 25.7 38.5



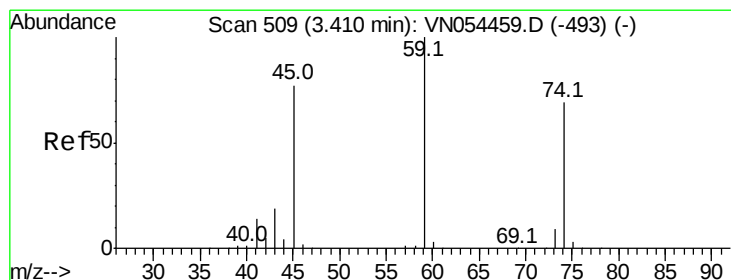
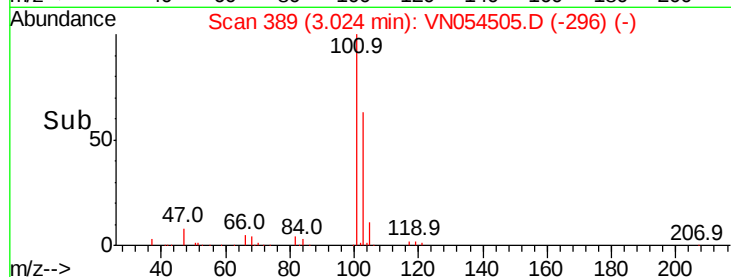
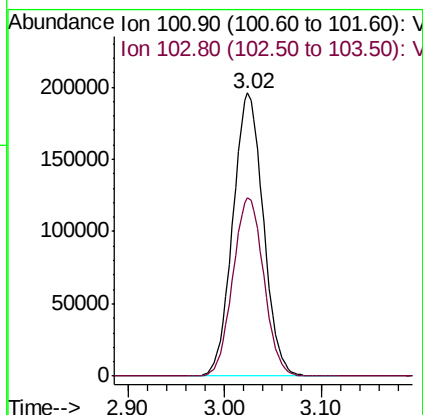
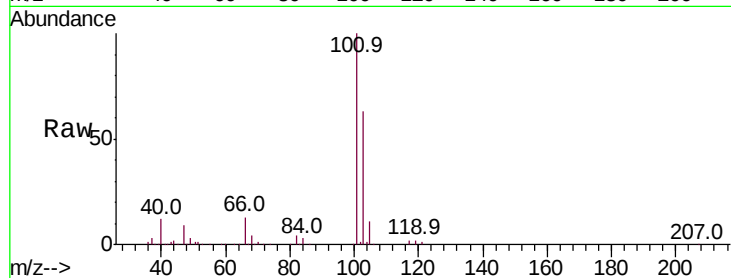


#7

Trichlorofluoromethane
 Concen: 47.379 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Instrument :
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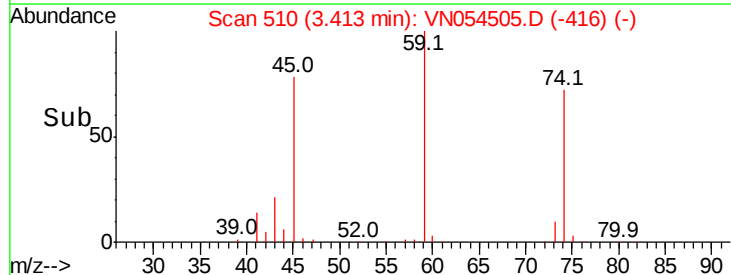
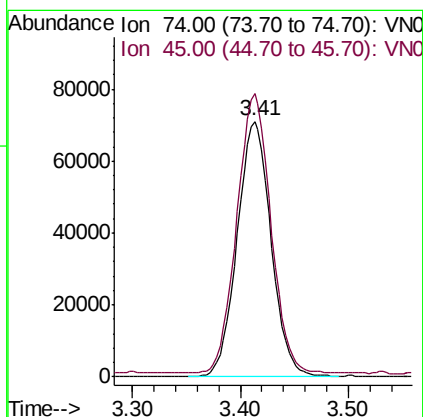
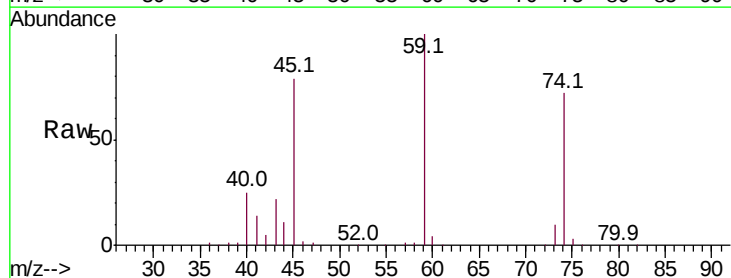
Tot Ion:101 Resp: 427273
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.4 77.2

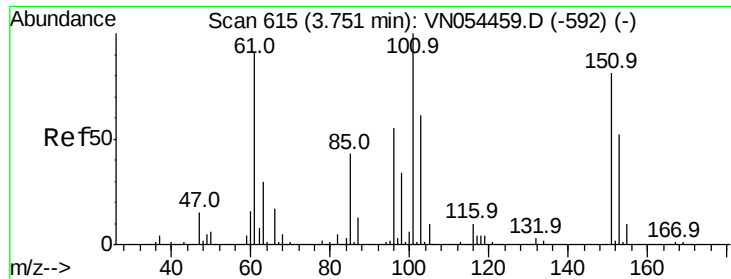


#8

Diethyl Ether
 Concen: 44.775 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Tgt Ion: 74 Resp: 155295
 Ion Ratio Lower Upper
 74 100
 45 109.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.203 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

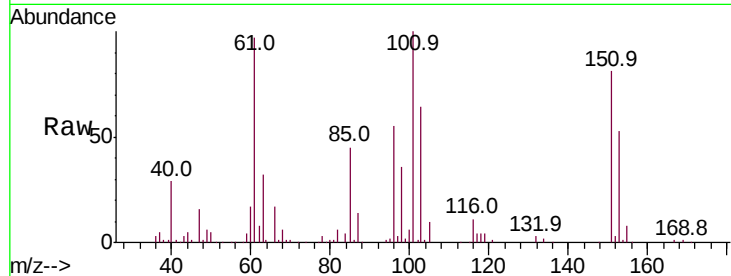
Tot Ion:101 Resp: 244879

Ion Ratio Lower Upper

101 100

85 44.2 32.4 48.6

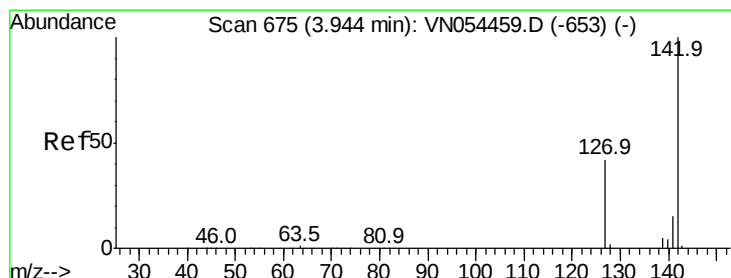
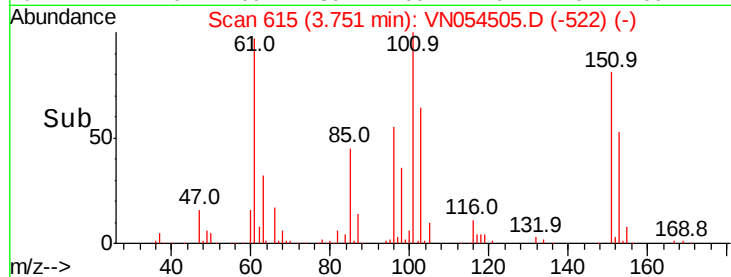
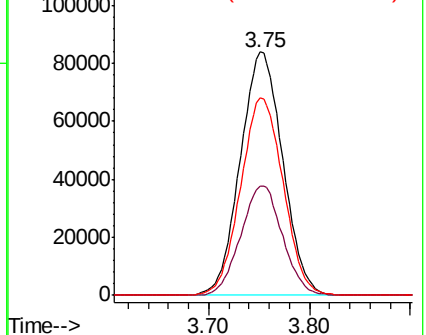
151 81.5 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.397 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

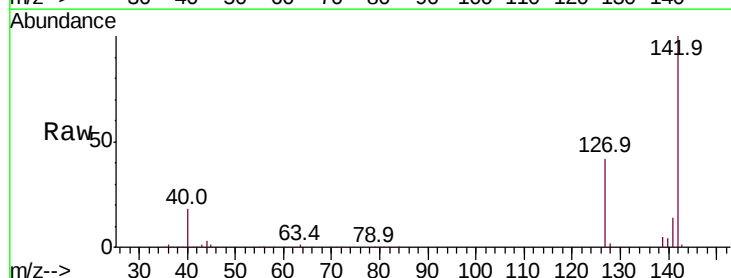
Tgt Ion:142 Resp: 346137

Ion Ratio Lower Upper

142 100

127 43.1 30.3 45.5

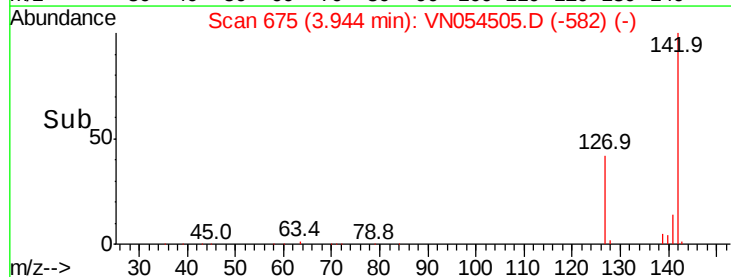
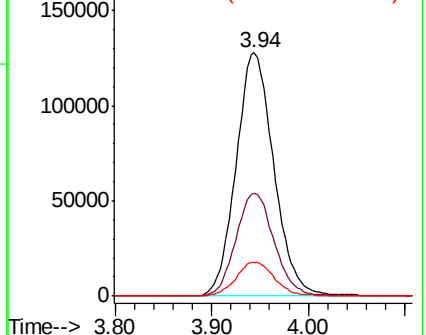
141 14.4 11.2 16.8

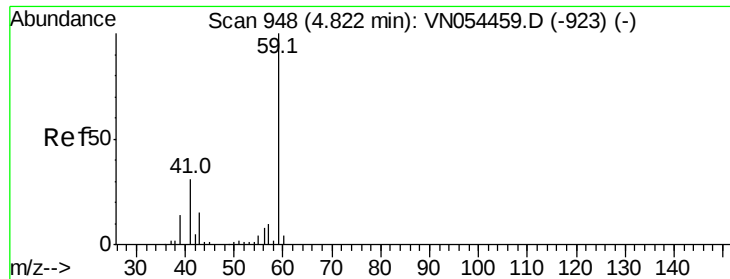


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

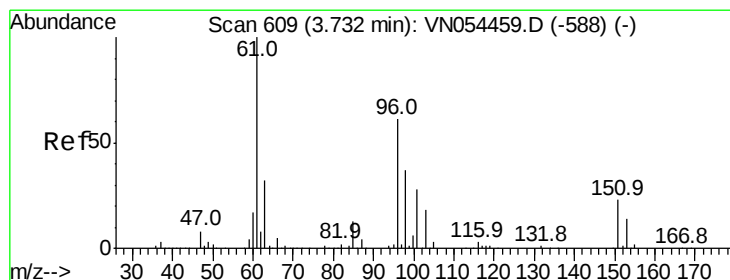
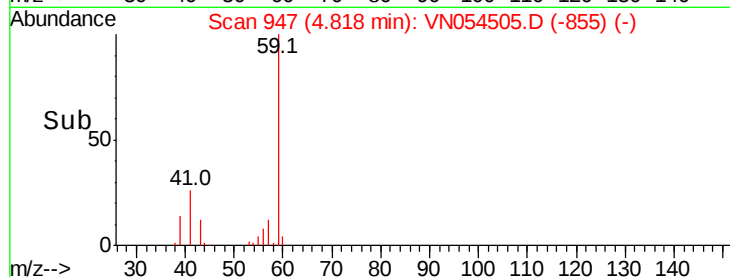
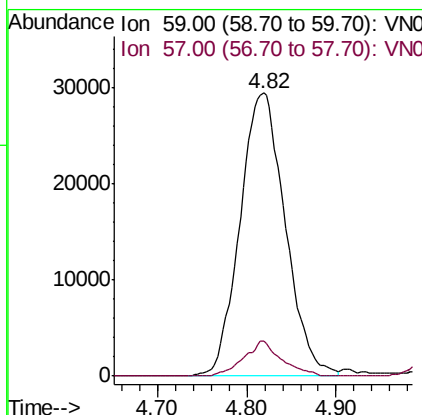
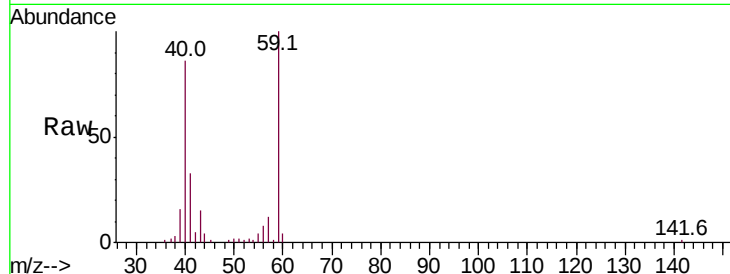




#11
Tert butyl alcohol
Concen: 242.295 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

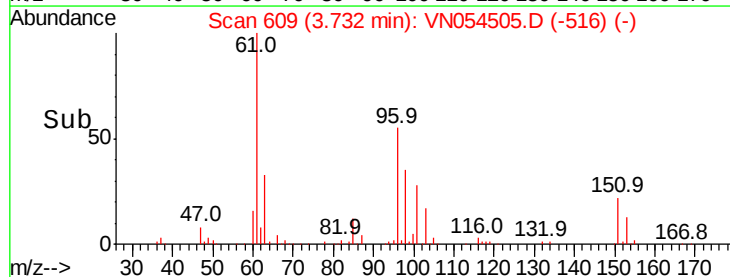
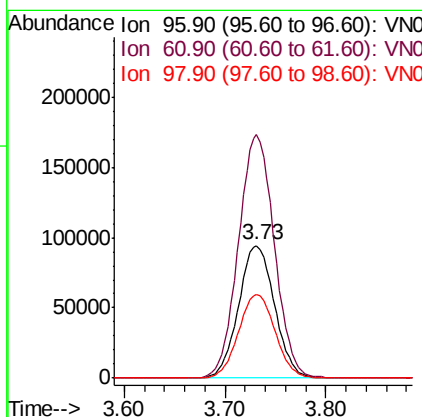
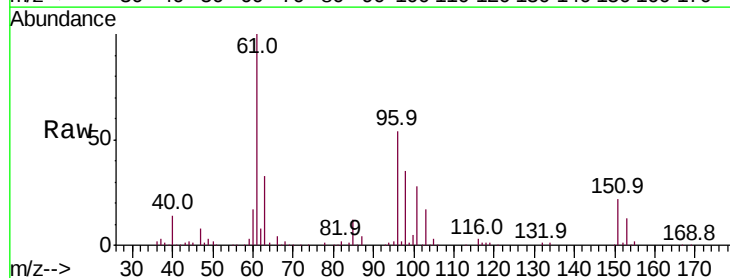
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

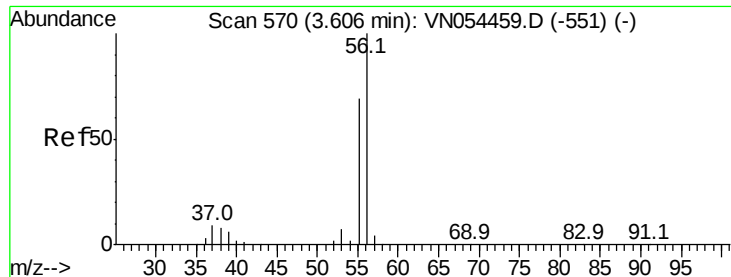
Tot Ion: 59 Resp: 103757
Ion Ratio Lower Upper
59 100
57 10.4 9.0 13.6



#12
1,1-Dichloroethene
Concen: 42.658 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 96 Resp: 233973
Ion Ratio Lower Upper
96 100
61 183.4 116.5 174.7#
98 63.4 51.0 76.4





#13

Acrolein

Concen: 225.132 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

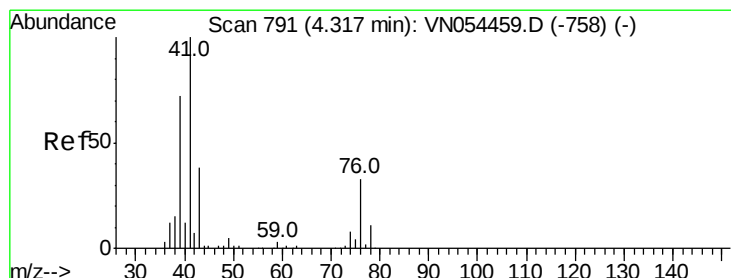
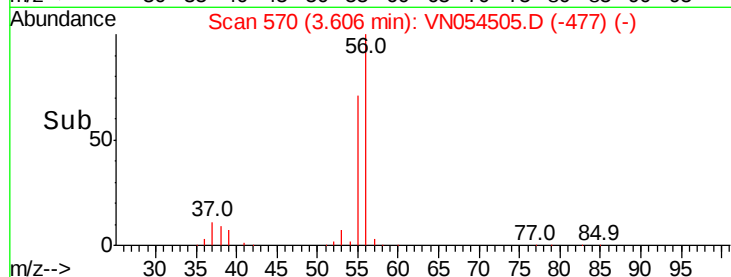
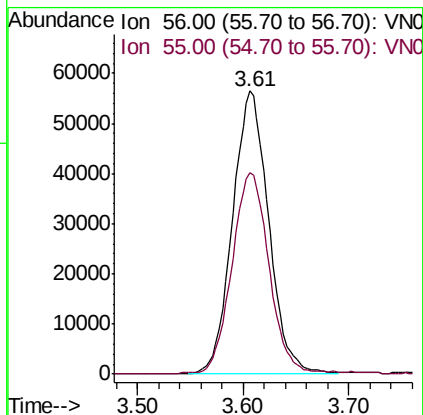
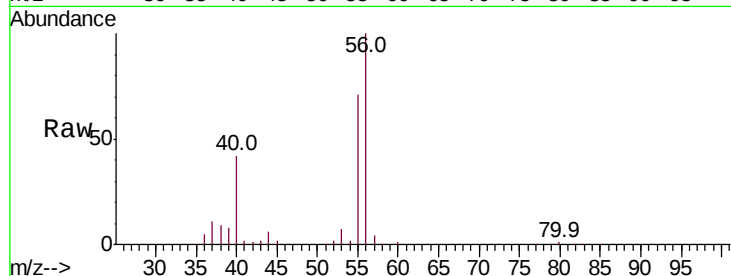
VSTDCCC050

Tot Ion: 56 Resp: 133043

Ion Ratio Lower Upper

56 100

55 72.3 56.7 85.1



#14

Allyl chloride

Concen: 49.544 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

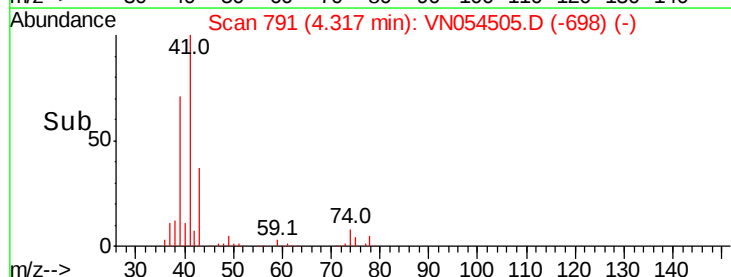
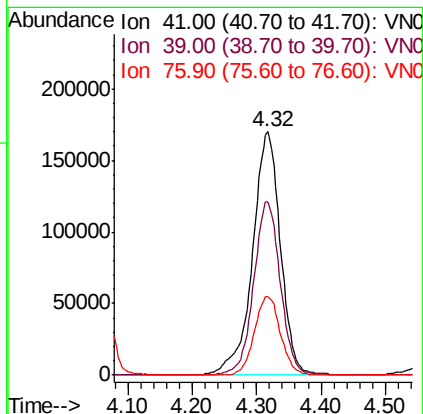
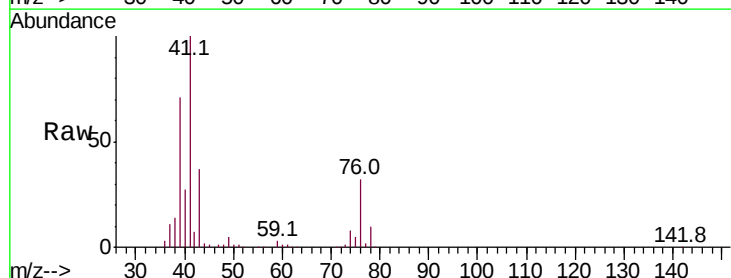
Tgt Ion: 41 Resp: 511706

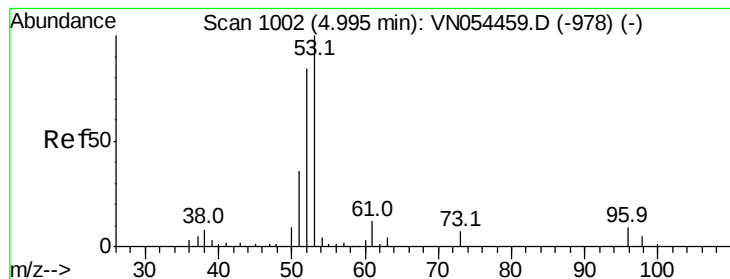
Ion Ratio Lower Upper

41 100

39 67.6 58.2 87.4

76 30.2 31.7 47.5#





#15

Acrylonitrile

Concen: 253.445 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

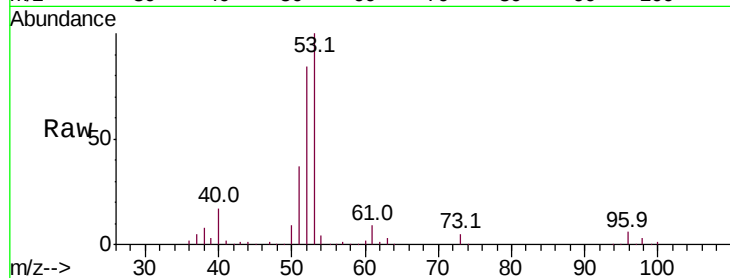
Tot Ion: 53 Resp: 540476

Ion Ratio Lower Upper

53 100

52 81.9 66.4 99.6

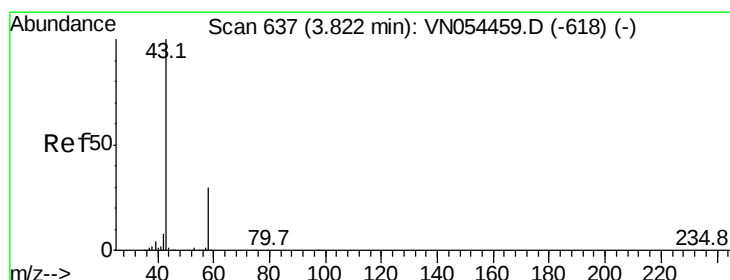
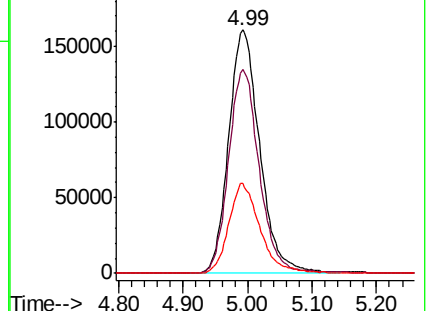
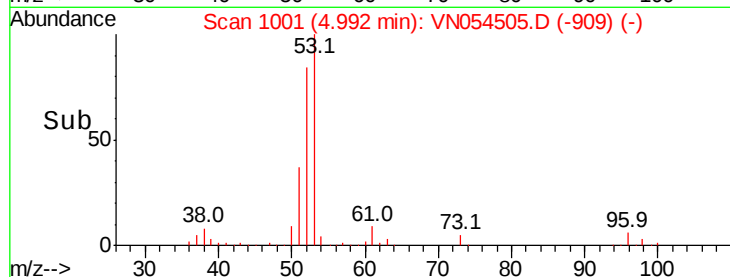
51 37.0 29.6 44.4



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) (-)



#16

Acetone

Concen: 249.224 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054505.D

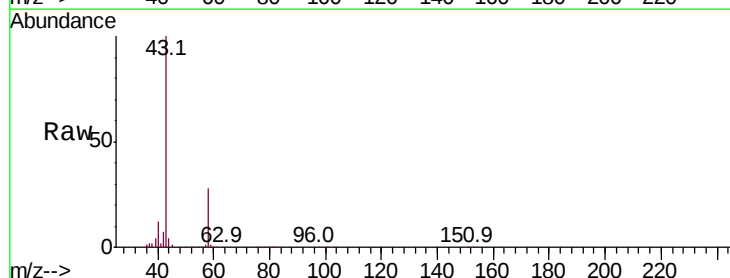
Acq: 21 Mar 2019 11:57

Tgt Ion: 43 Resp: 529988

Ion Ratio Lower Upper

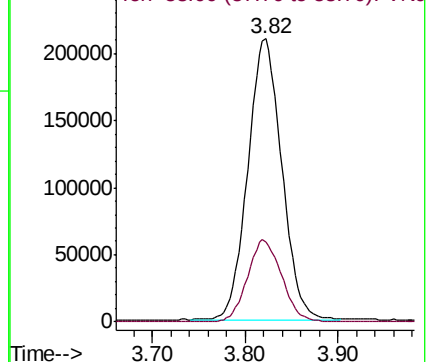
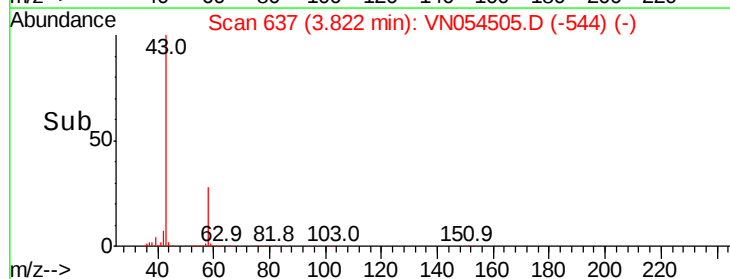
43 100

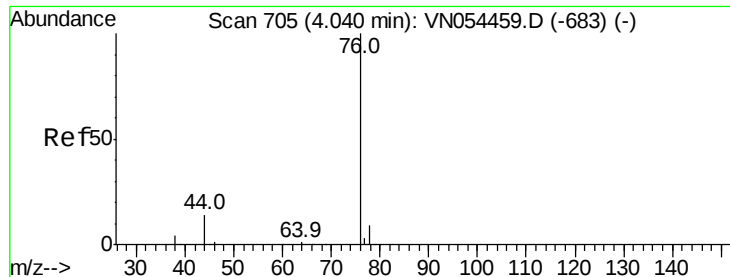
58 28.5 29.9 44.9#



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

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





#17

Carbon Disulfide

Concen: 47.668 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

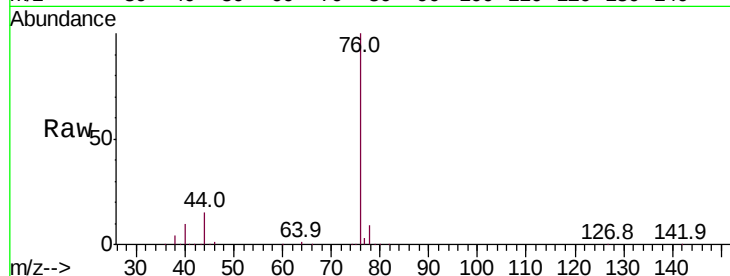
VSTDCCC050

Tot Ion: 76 Resp: 700541

Ion Ratio Lower Upper

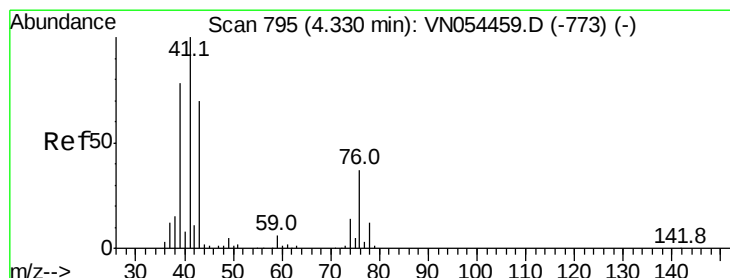
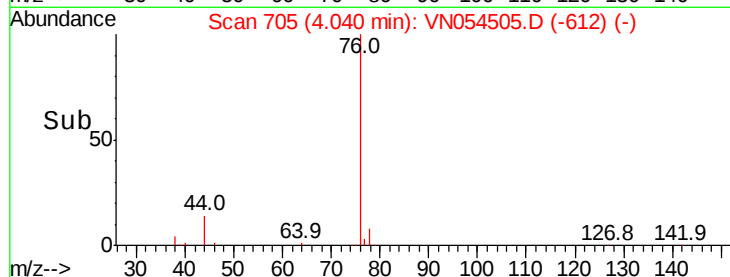
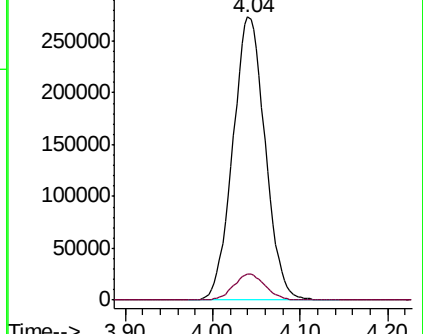
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 48.734 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054505.D

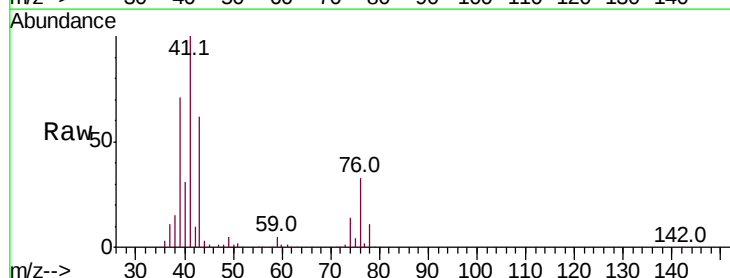
Acq: 21 Mar 2019 11:57

Tgt Ion: 43 Resp: 230992

Ion Ratio Lower Upper

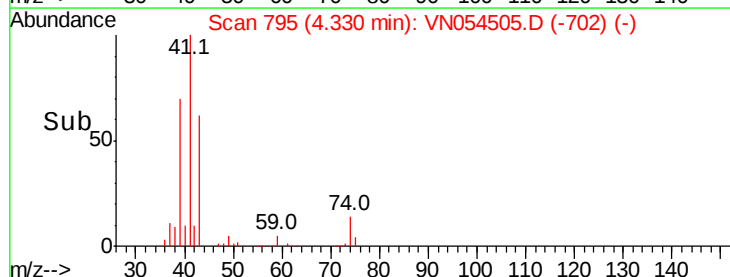
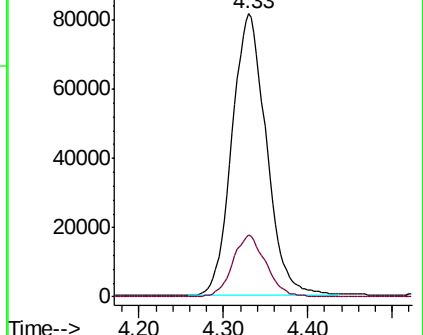
43 100

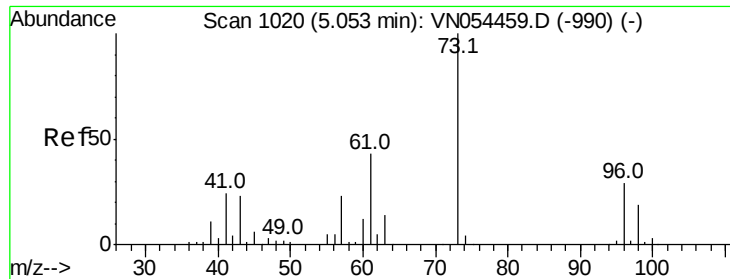
74 21.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

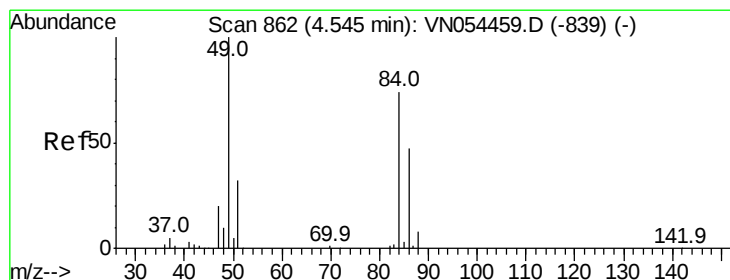
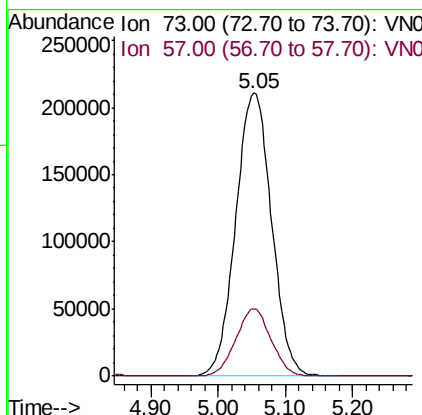
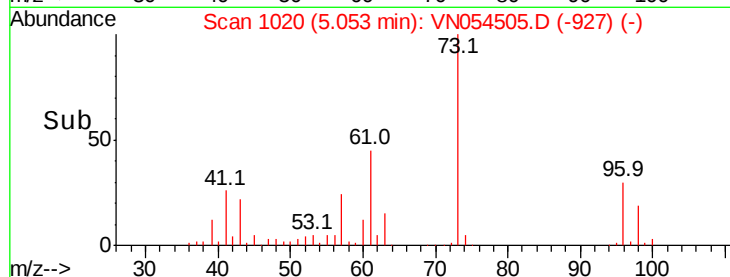
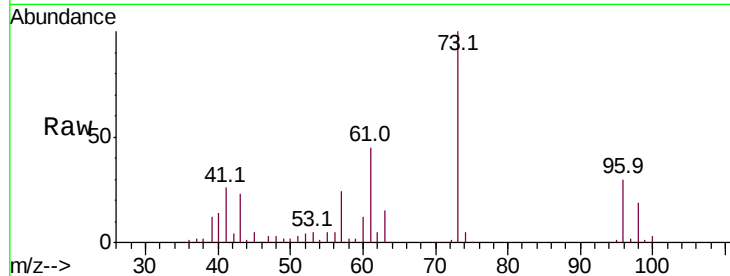




#19
Methvl tert-butvl Ether
Concen: 48.675 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

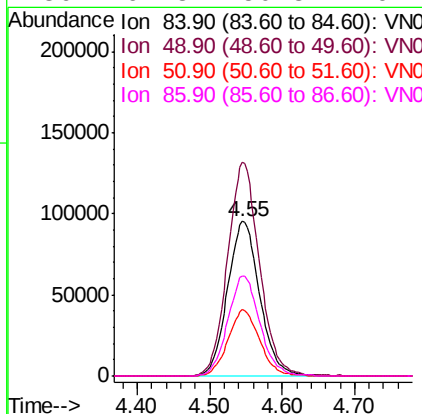
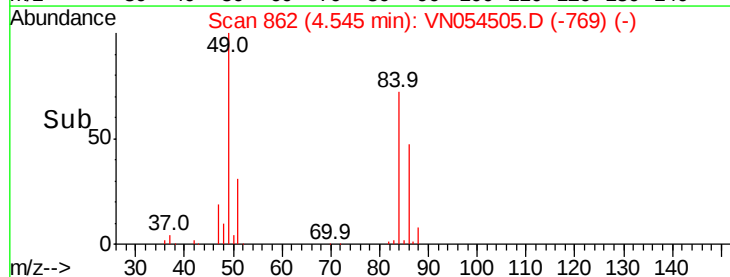
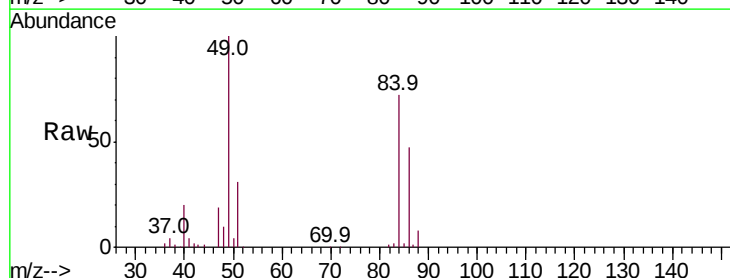
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

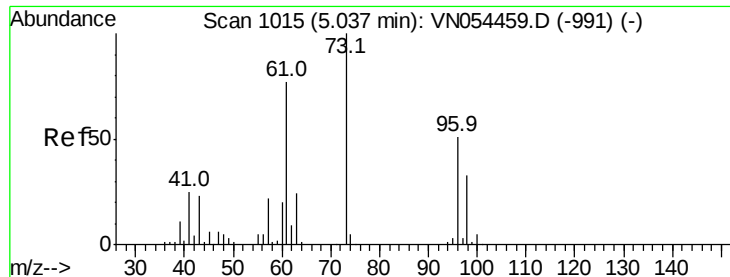
Tot Ion: 73 Resp: 779147
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2



#20
Methylene Chloride
Concen: 46.887 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 84 Resp: 293916
Ion Ratio Lower Upper
84 100
49 138.1 89.7 134.5#
51 42.7 28.2 42.4#
86 64.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.905 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

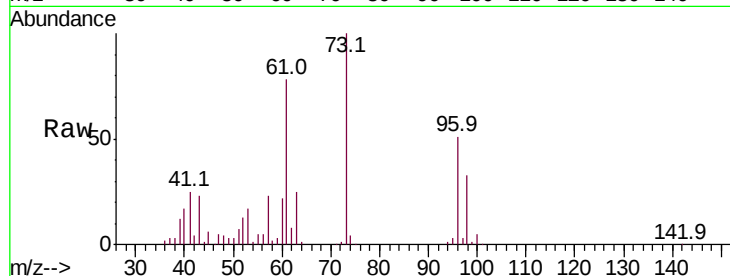
Tot Ion: 96 Resp: 279503

Ion Ratio Lower Upper

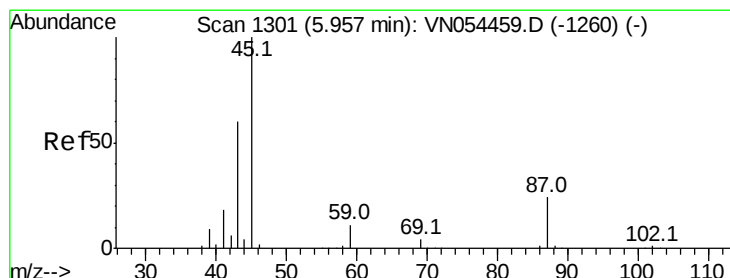
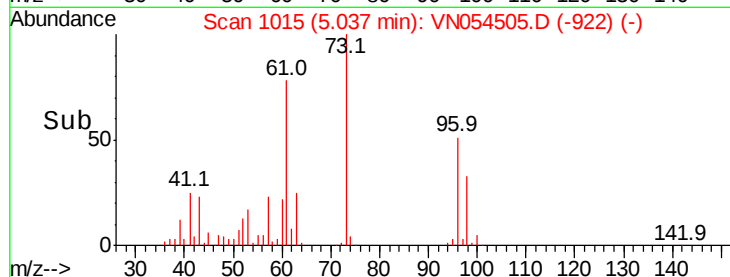
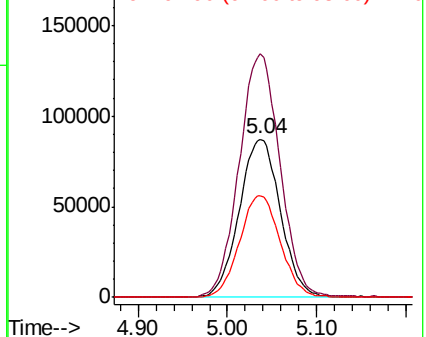
96 100

61 154.3 102.8 154.2#

98 64.4 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: 50.371 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Tgt Ion: 45 Resp: 1026179

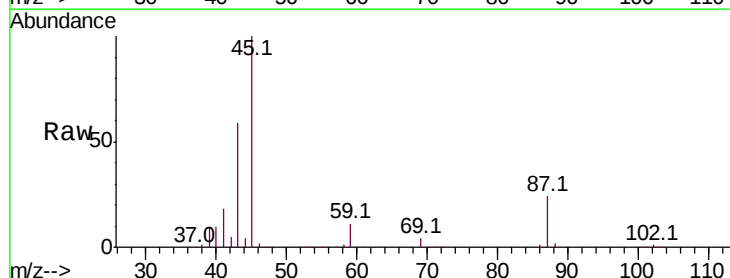
Ion Ratio Lower Upper

45 100

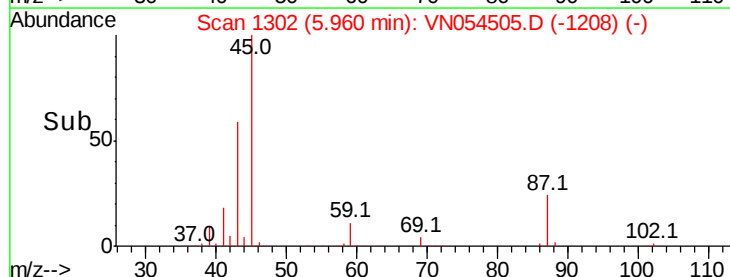
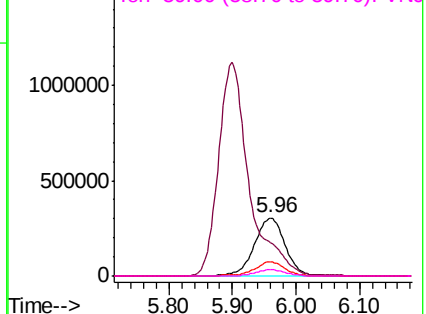
43 58.2 48.2 72.2

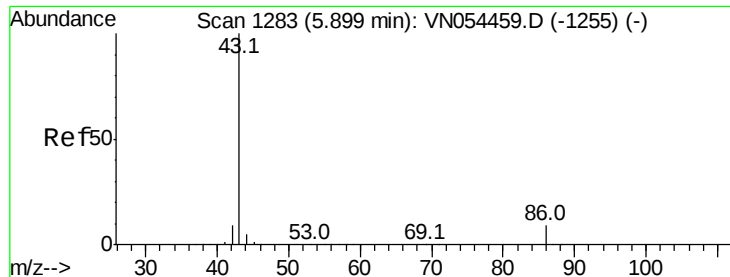
87 24.1 24.9 37.3#

59 10.7 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

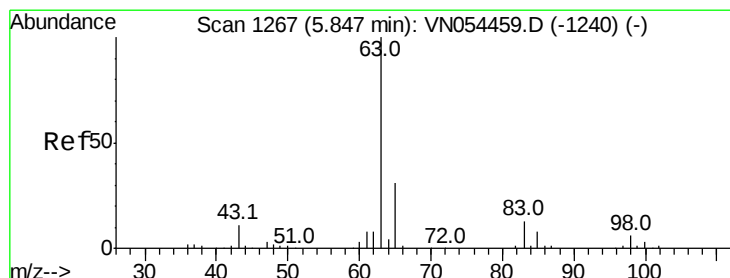
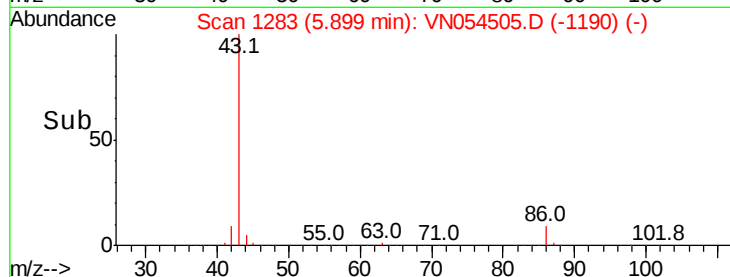
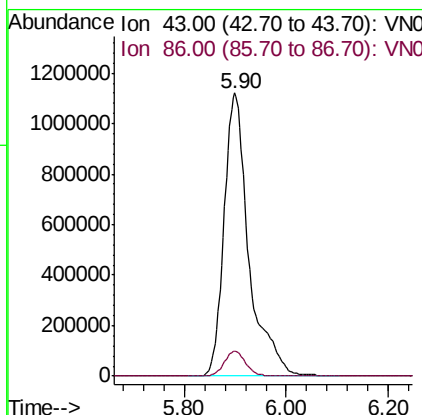
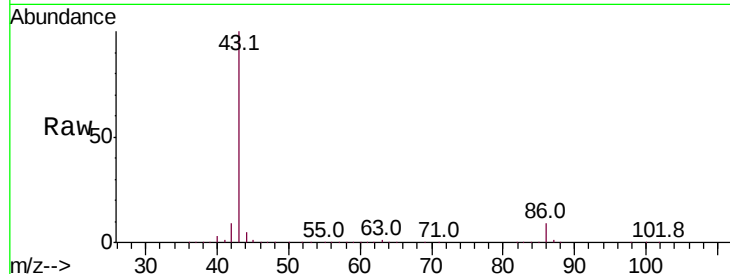




#23
 Vinyl Acetate
 Concen: 262.734 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

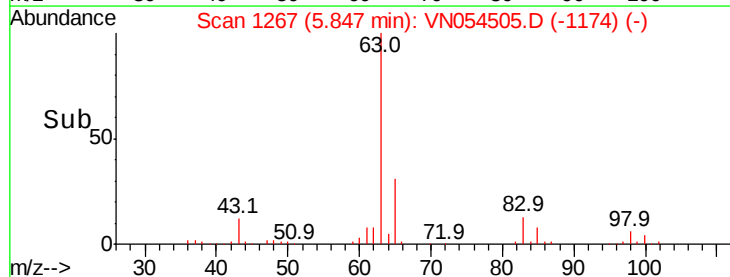
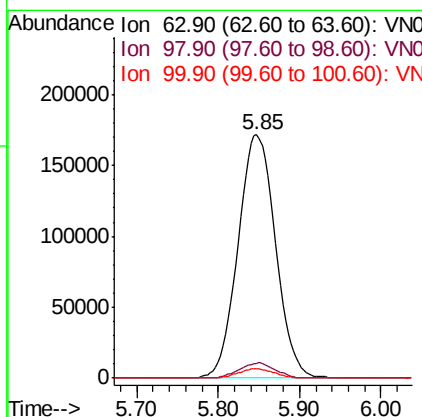
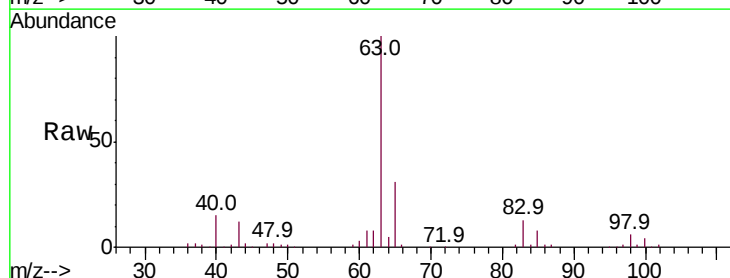
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

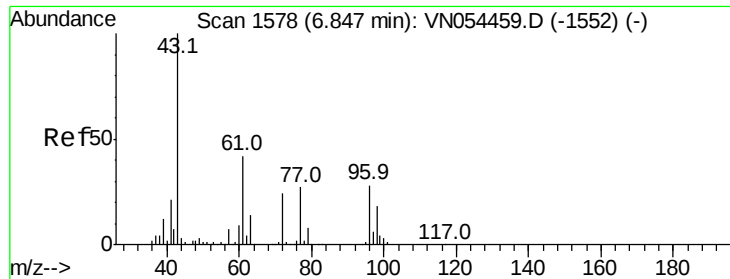
Tot Ion: 43 Resp: 3780346
 Ion Ratio Lower Upper
 43 100
 86 8.8 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 49.740 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Tgt Ion: 63 Resp: 545610
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 264.981 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

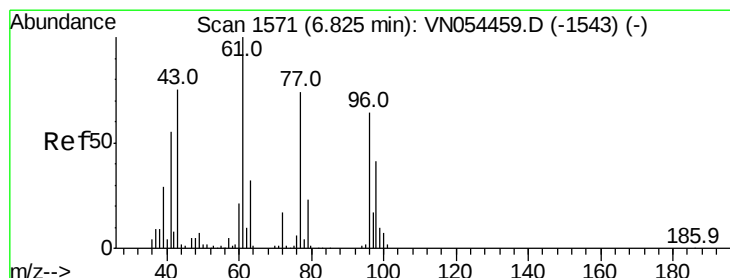
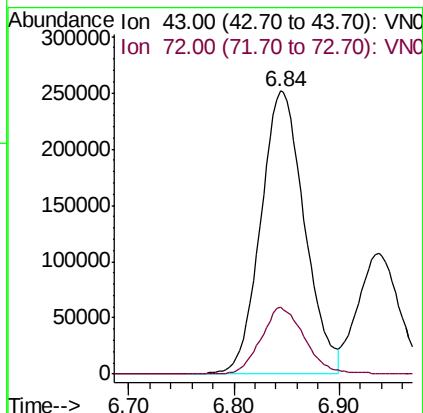
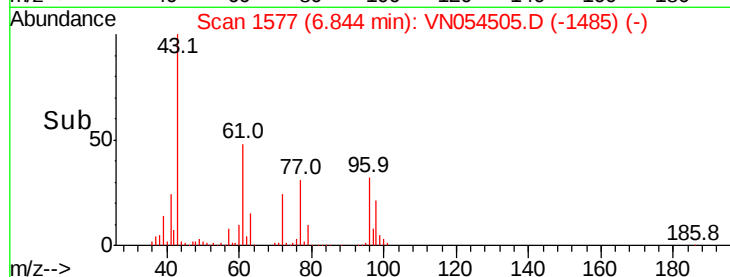
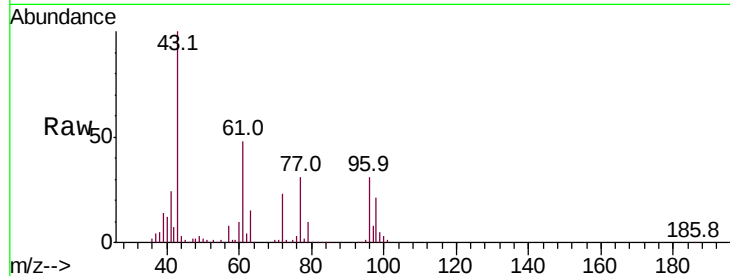
VSTDCCC050

Tot Ion: 43 Resp: 721837

Ion Ratio Lower Upper

43 100

72 23.5 23.0 34.6



#26

2,2-Dichloropropane

Concen: 51.924 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054505.D

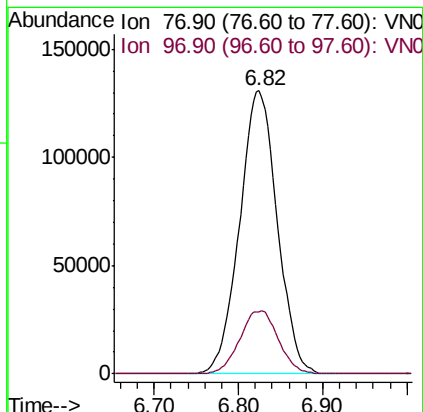
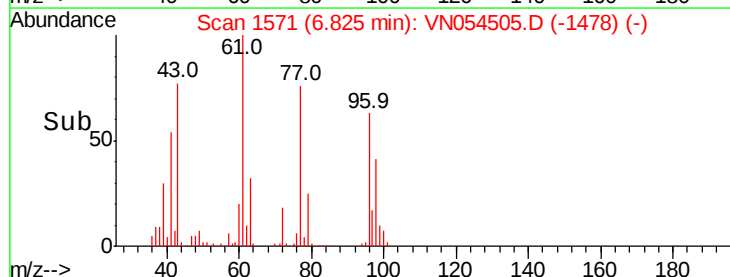
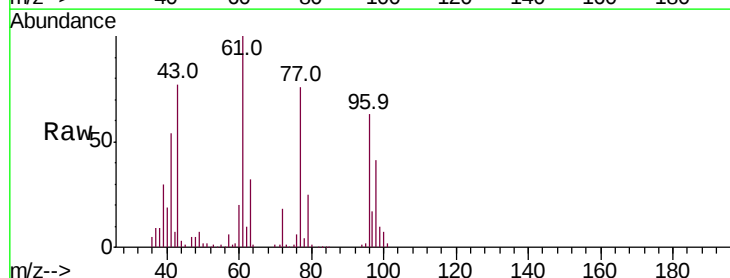
Acq: 21 Mar 2019 11:57

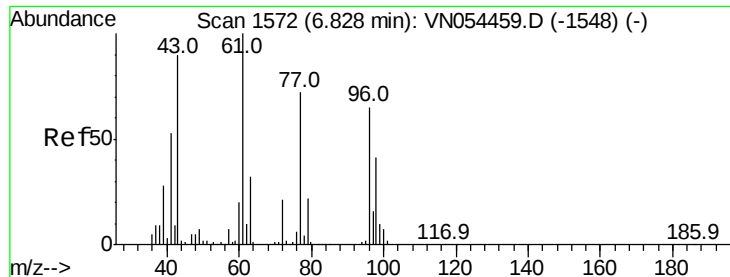
Tgt Ion: 77 Resp: 406014

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 47.802 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

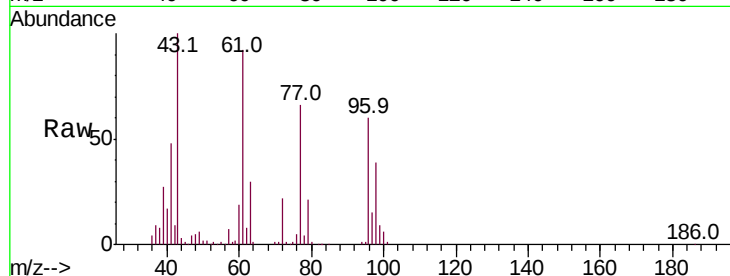
Tot Ion: 96 Resp: 319336

Ion Ratio Lower Upper

96 100

61 158.2 0.0 273.0

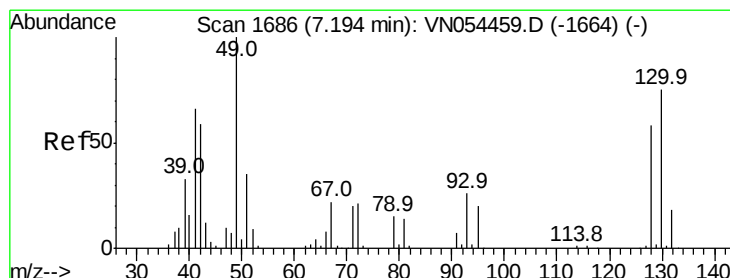
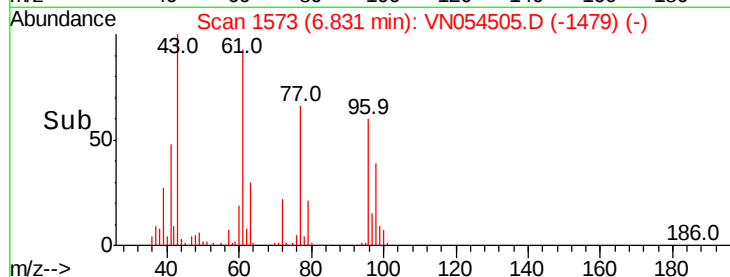
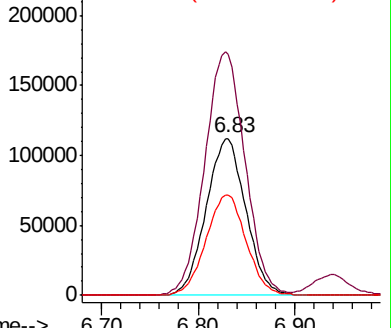
98 65.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.222 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

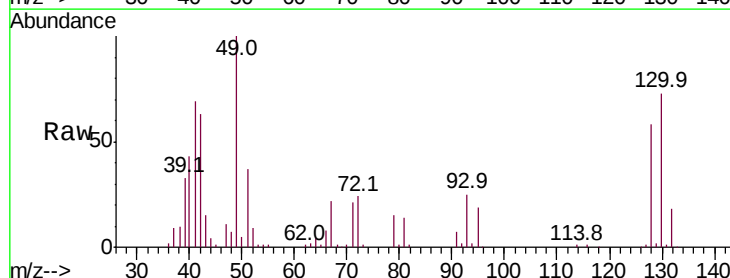
Tgt Ion: 49 Resp: 260365

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

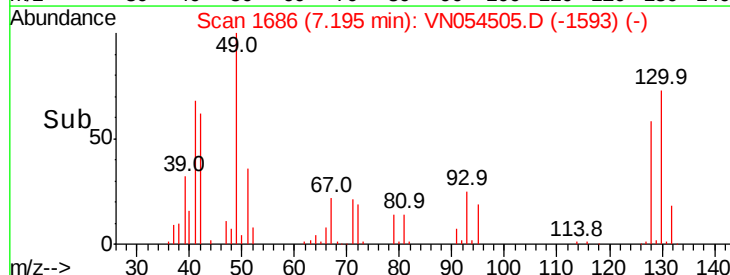
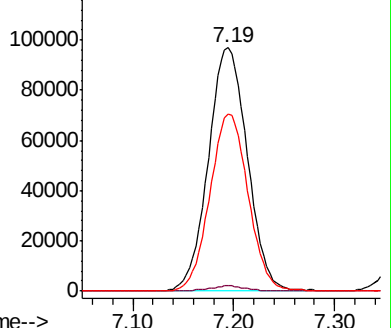
130 71.4 76.7 115.1#

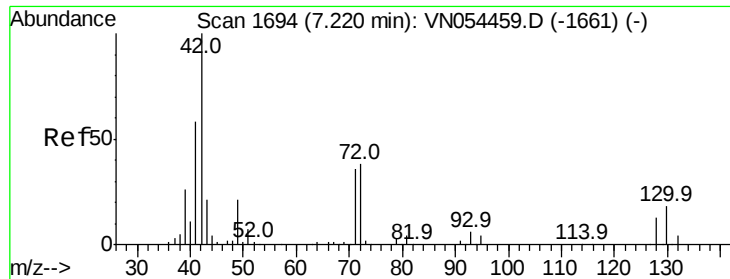


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

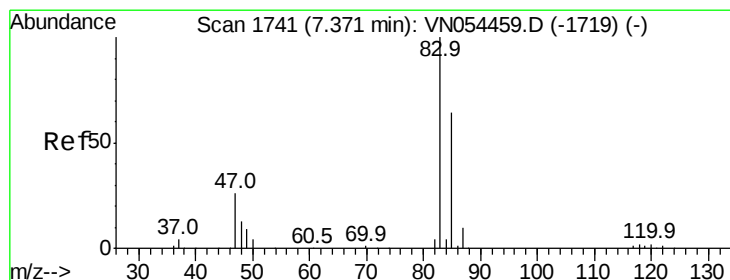
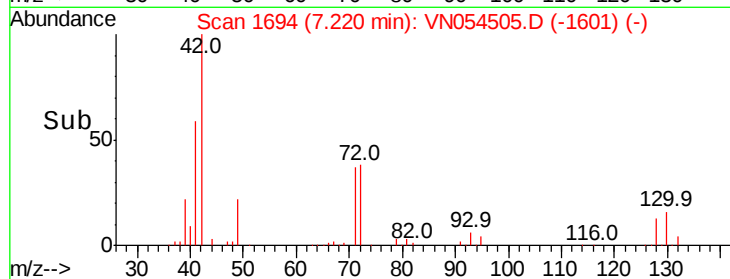
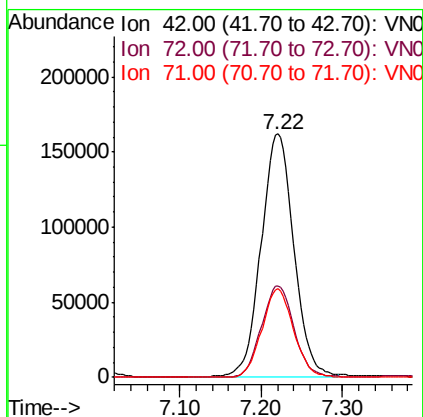
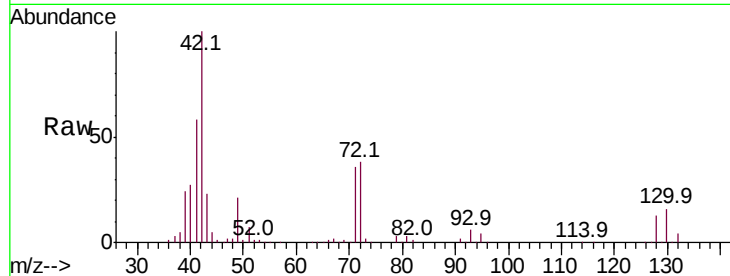




#29
Tetrahydrofuran
Concen: 256.588 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

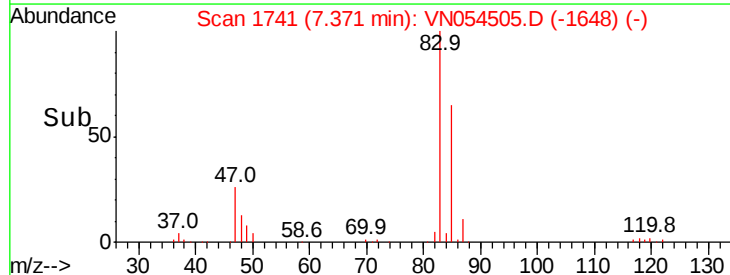
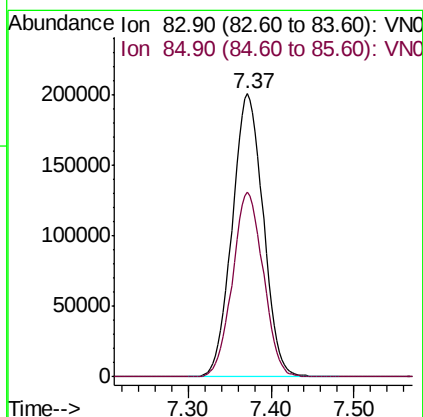
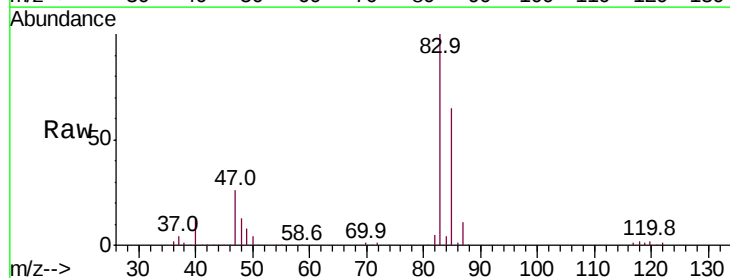
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

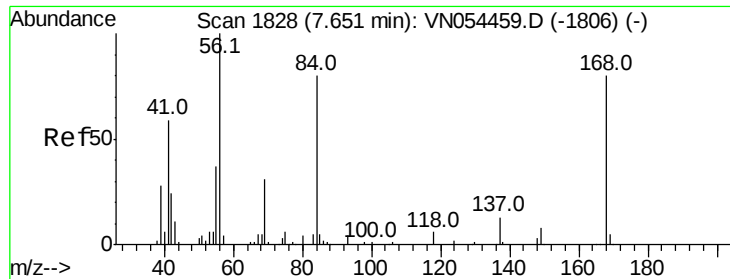
Tot Ion: 42 Resp: 453588
Ion Ratio Lower Upper
42 100
72 37.4 37.8 56.6#
71 35.3 36.2 54.2#



#30
Chloroform
Concen: 48.744 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 83 Resp: 521798
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.4

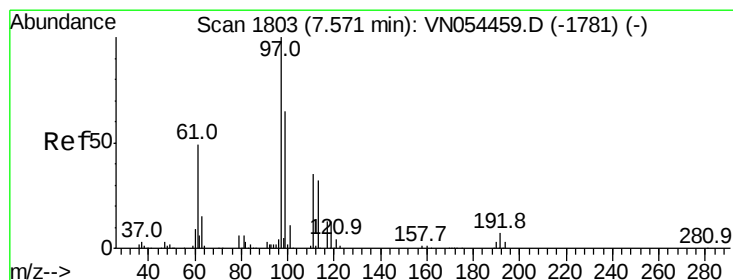
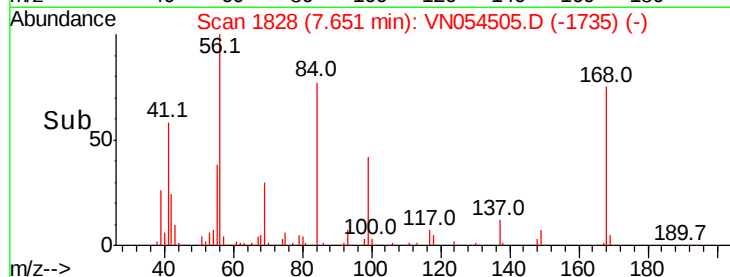
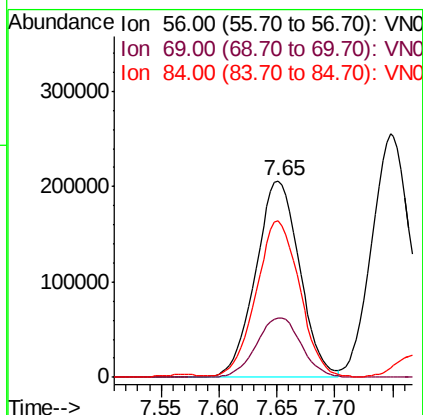
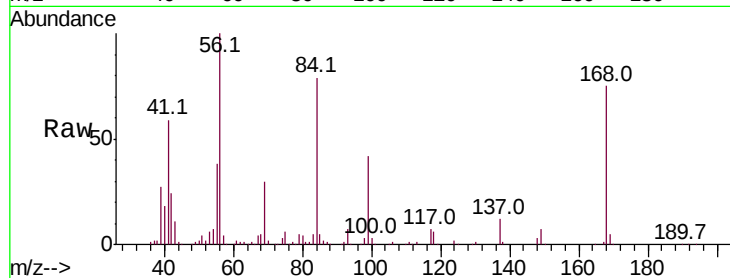




#31
Cyclohexane
Concen: 51.768 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

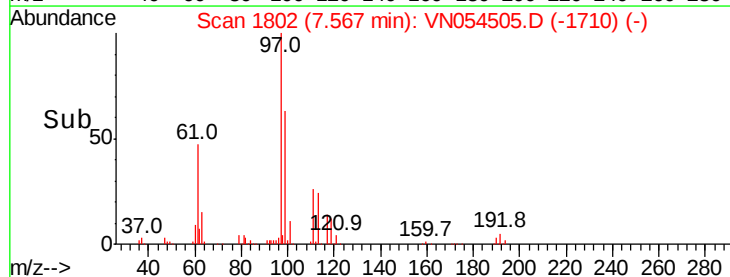
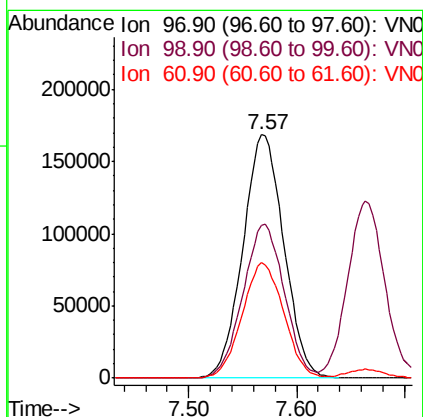
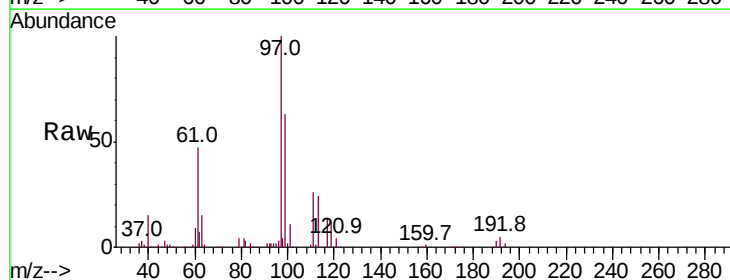
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

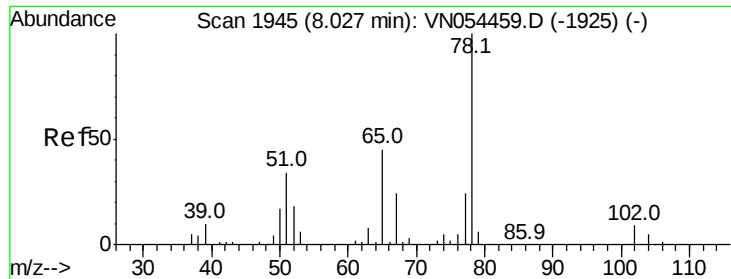
Tot Ion: 56 Resp: 543430
Ion Ratio Lower Upper
56 100
69 30.0 27.8 41.6
84 77.9 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 50.335 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 97 Resp: 444539
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 48.0 33.6 50.4

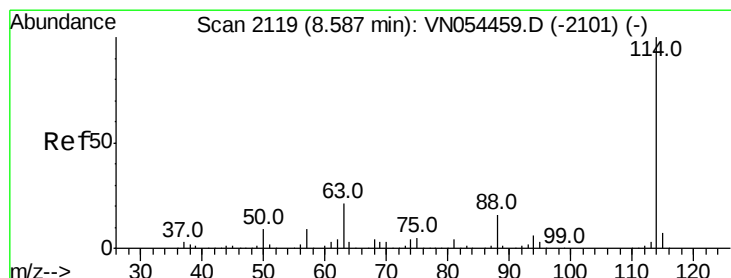
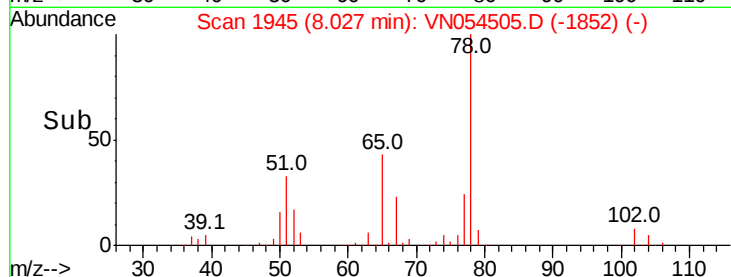
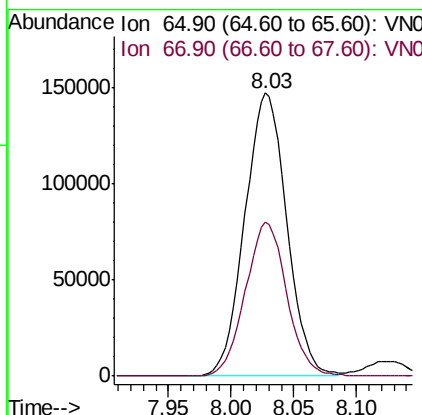
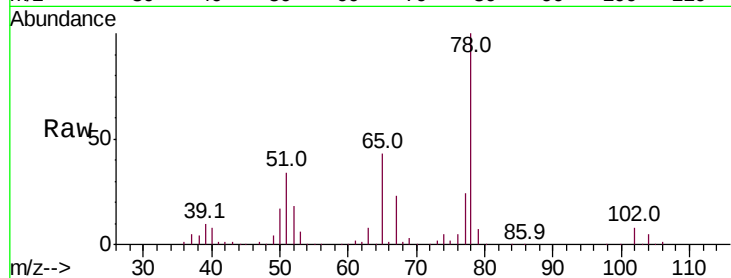




#33
 1,2-Dichloroethane-d4
 Concen: 48.519 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

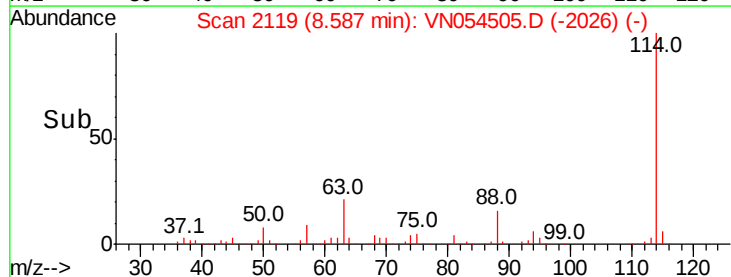
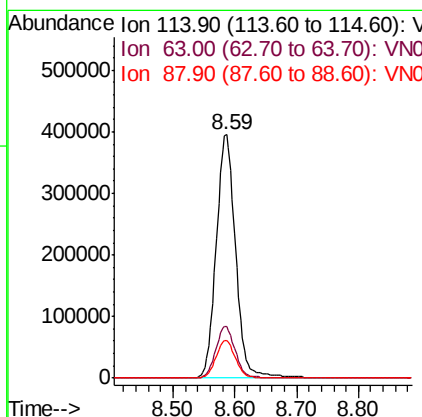
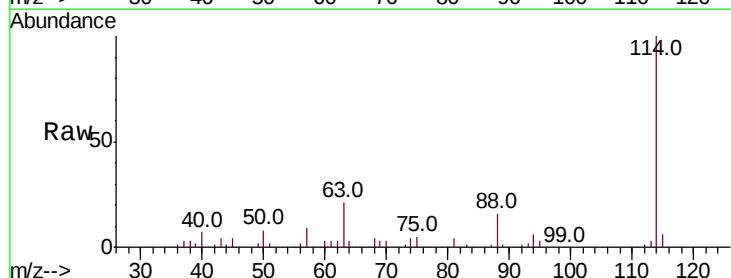
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

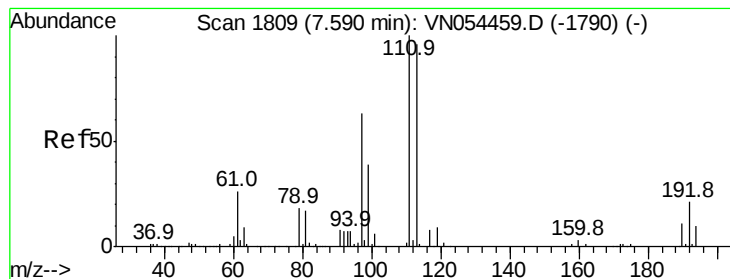
Tot Ion: 65 Resp: 343180
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Tgt Ion: 114 Resp: 861072
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 35.2
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.595 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

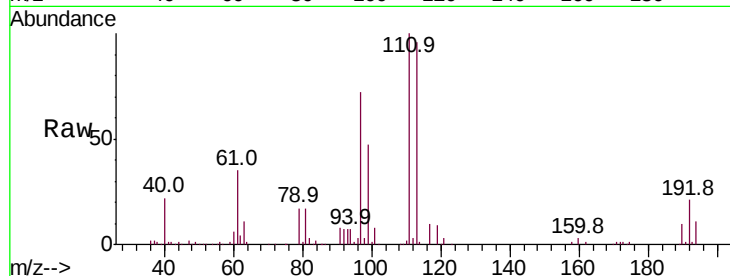
Tot Ion:113 Resp: 280671

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

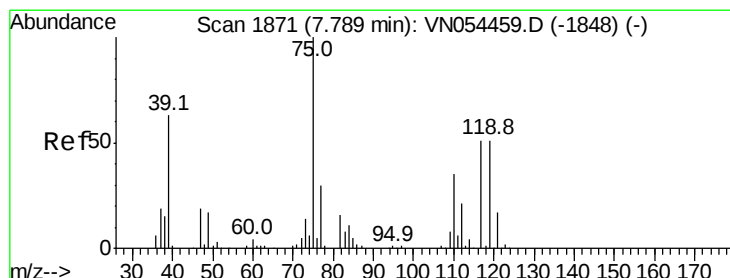
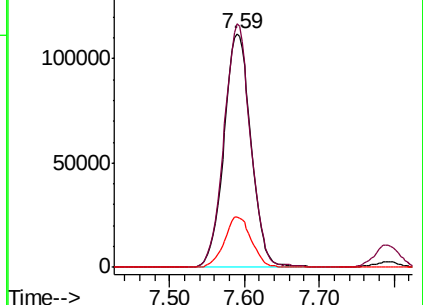
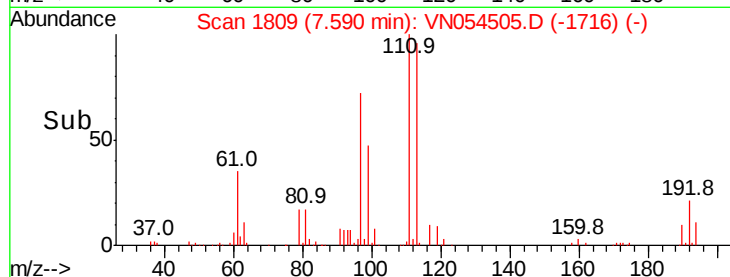
192 21.4 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.884 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

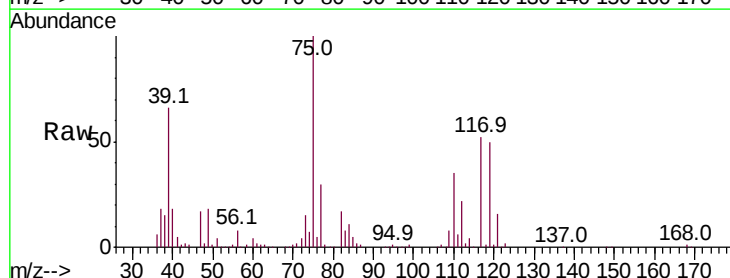
Tgt Ion: 75 Resp: 417720

Ion Ratio Lower Upper

75 100

110 34.0 19.1 57.5

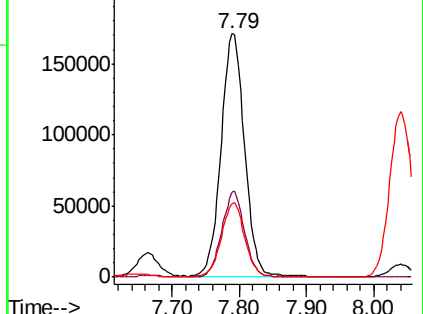
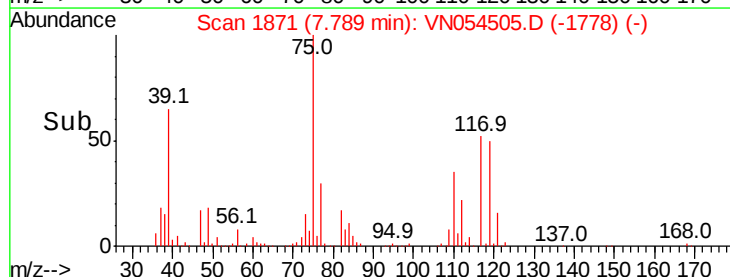
77 30.5 25.0 37.4

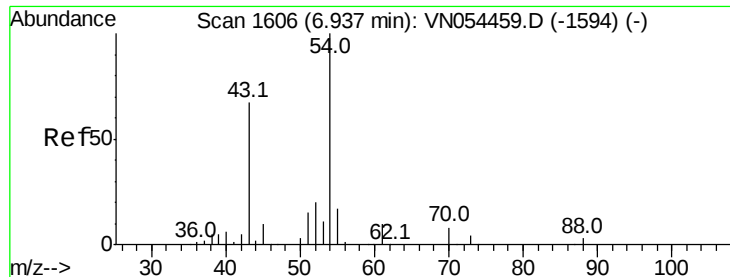


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

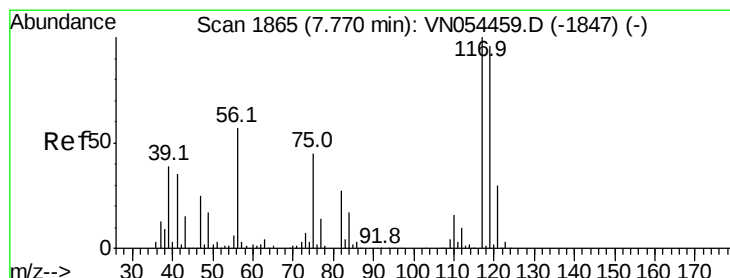
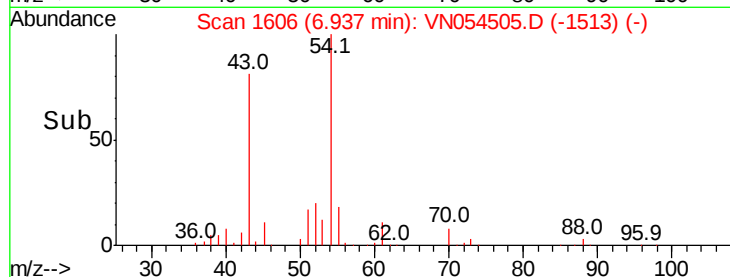
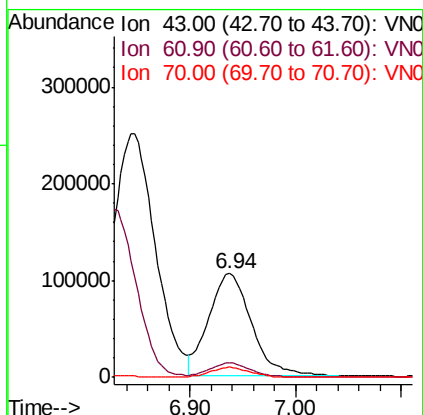
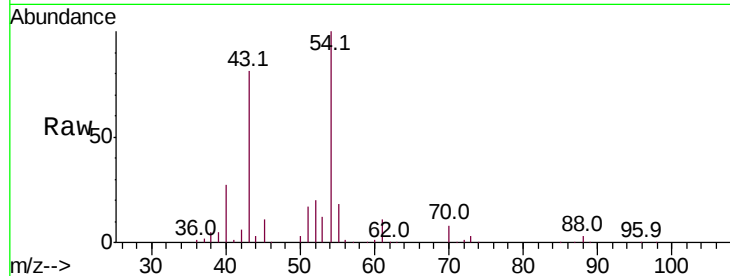




#37
Ethyl Acetate
Concen: 52.345 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

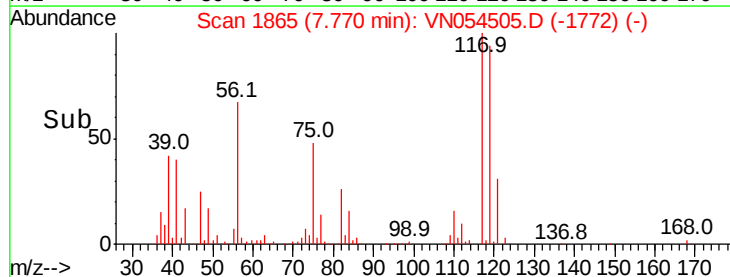
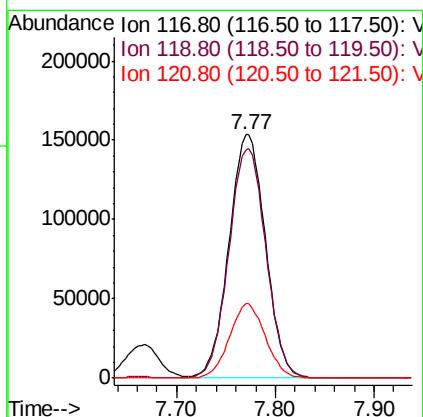
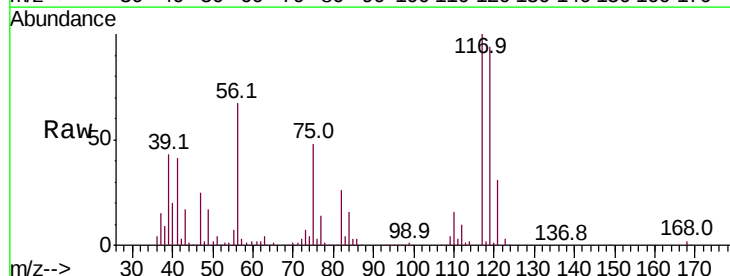
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

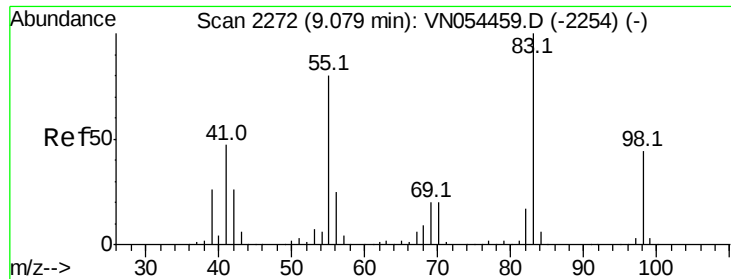
Tot Ion: 43 Resp: 299739
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 9.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.499 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 117 Resp: 395095
Ion Ratio Lower Upper
117 100
119 94.0 76.3 114.5
121 30.8 24.6 36.8

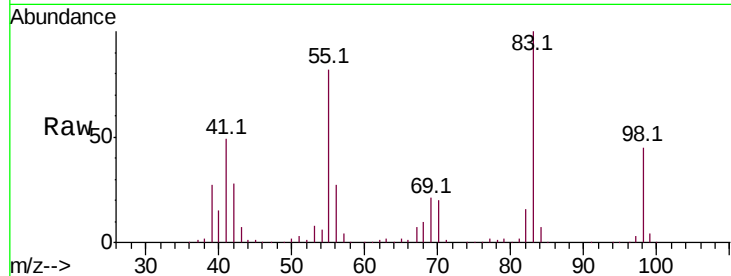




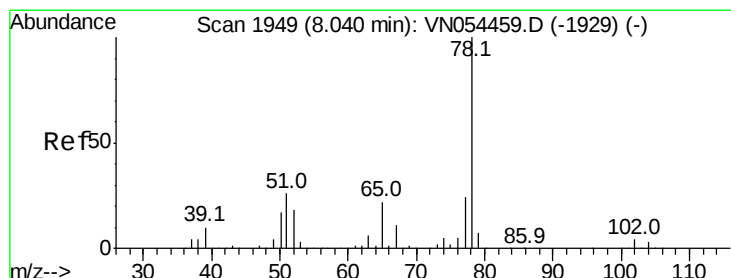
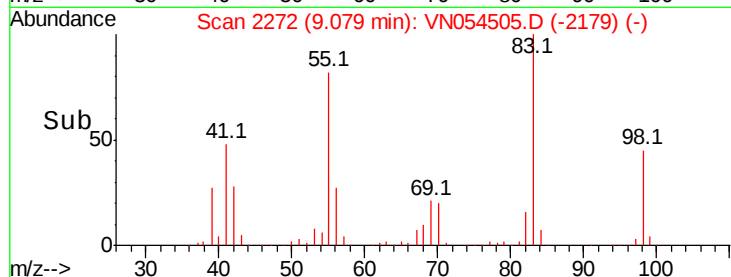
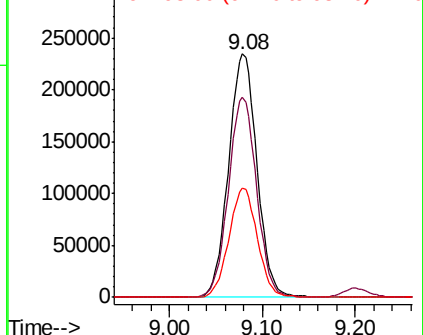
#39
Methvlcvclohexane
Concen: 54.182 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 498994
Ion Ratio Lower Upper
83 100
55 82.4 56.6 84.8
98 44.9 38.4 57.6

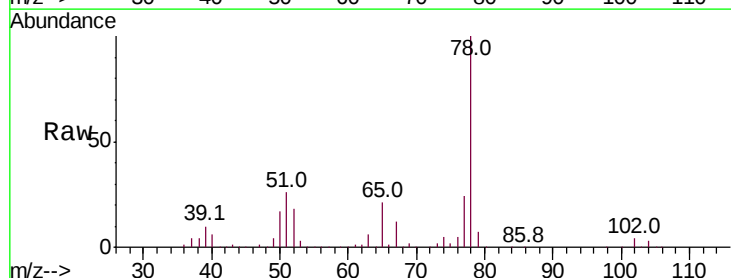


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

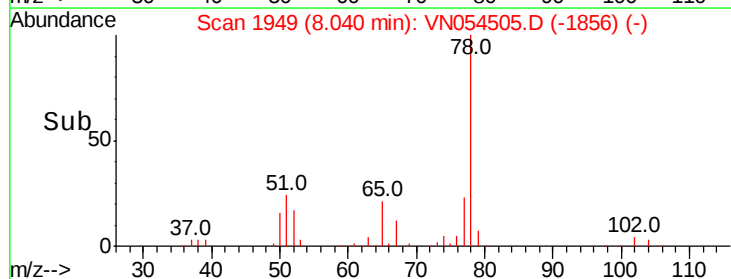
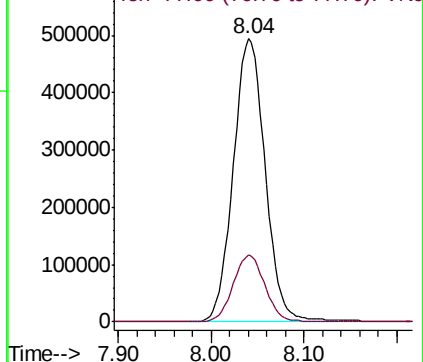


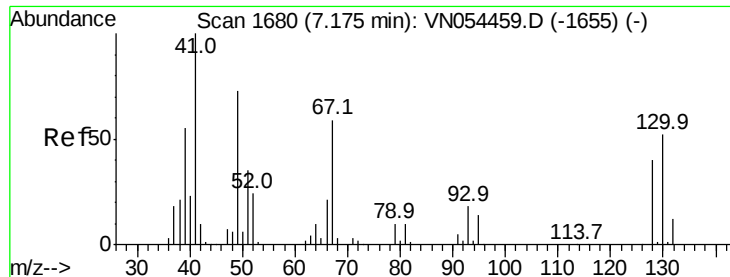
#40
Benzene
Concen: 51.210 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 78 Resp: 1178975
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

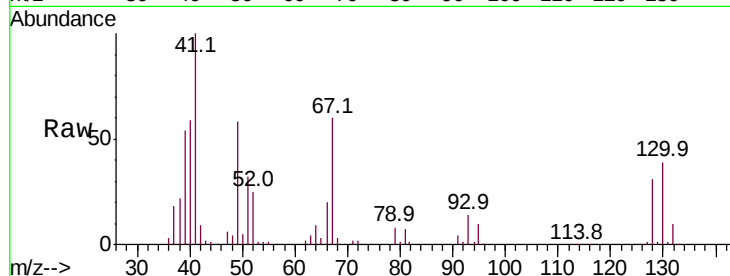




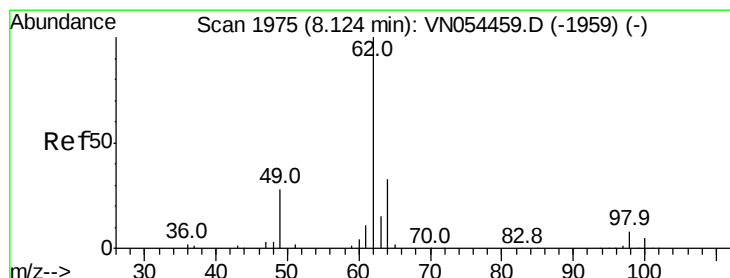
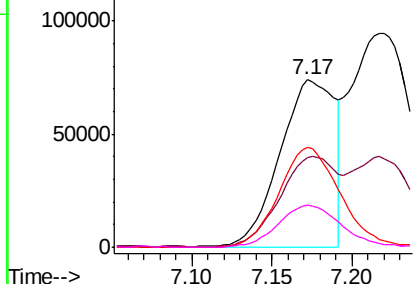
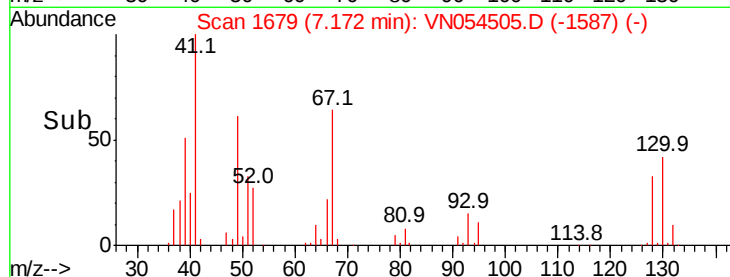
#41
Methacrylonitrile
Concen: 50.625 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 176792
Ion Ratio Lower Upper
41 100
39 57.2 46.8 70.2
67 66.9 67.0 100.4#
52 29.0 26.5 39.7

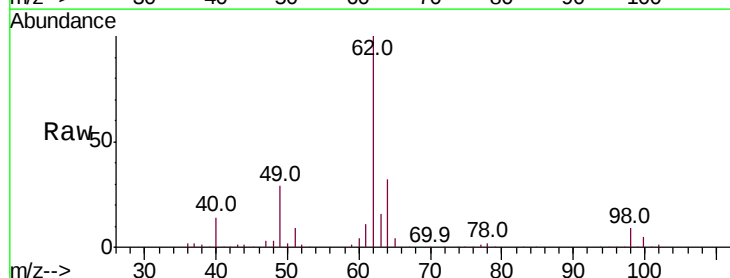


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

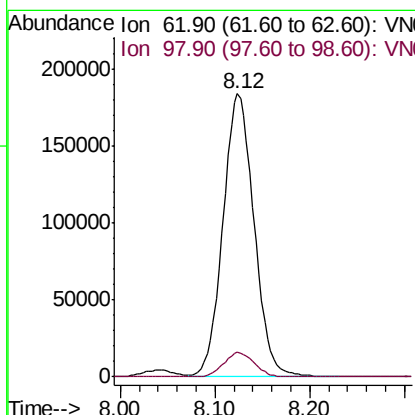
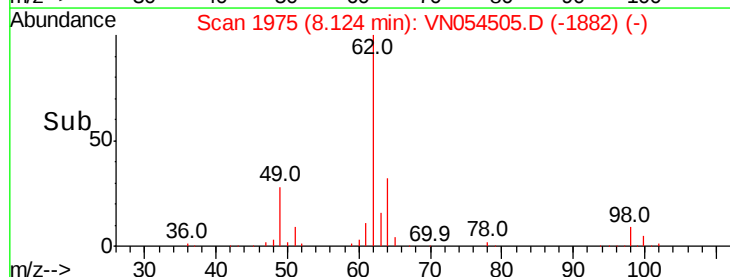


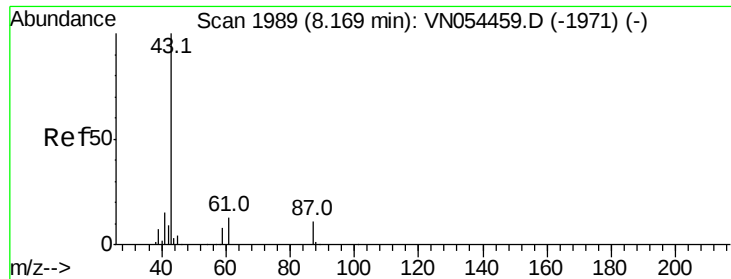
#42
1,2-Dichloroethane
Concen: 49.864 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 62 Resp: 418074
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 53.868 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

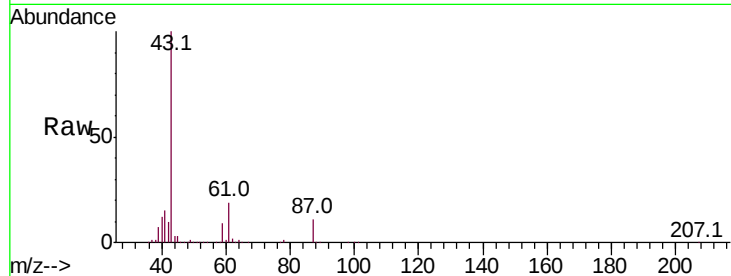
Tot Ion: 43 Resp: 520945

Ion Ratio Lower Upper

43 100

61 18.3 15.8 23.8

87 11.4 12.0 18.0#

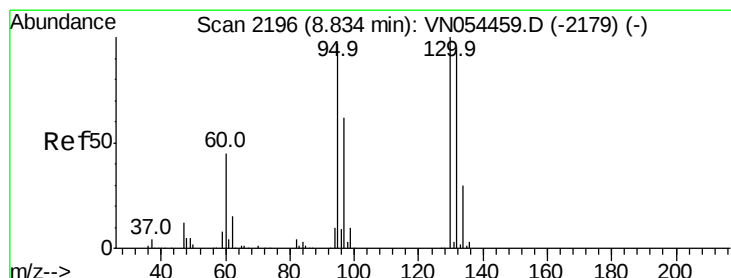
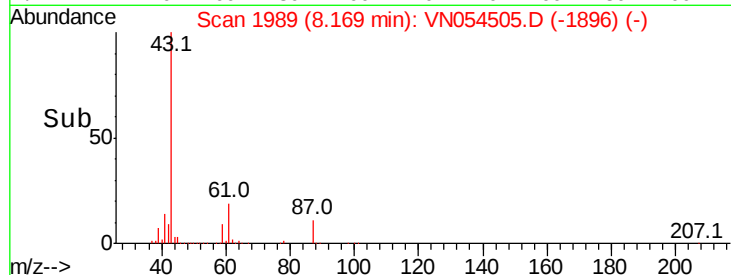
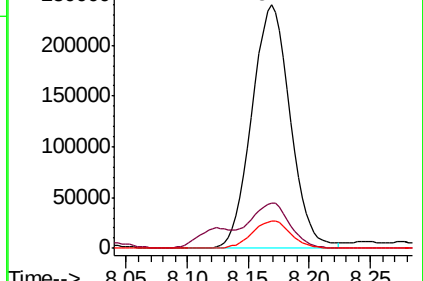


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

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

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

8.17



#44

Trichloroethene

Concen: 50.018 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054505.D

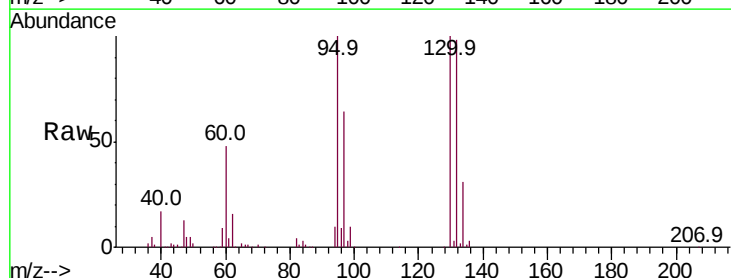
Acq: 21 Mar 2019 11:57

Tgt Ion:130 Resp: 320153

Ion Ratio Lower Upper

130 100

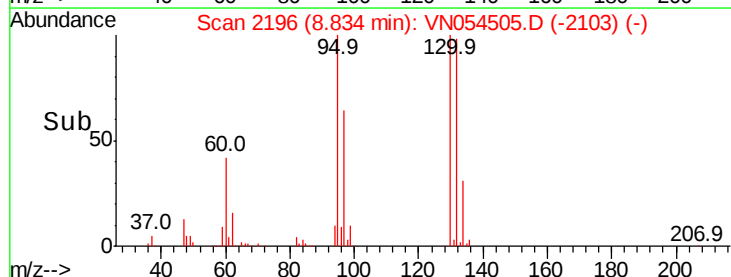
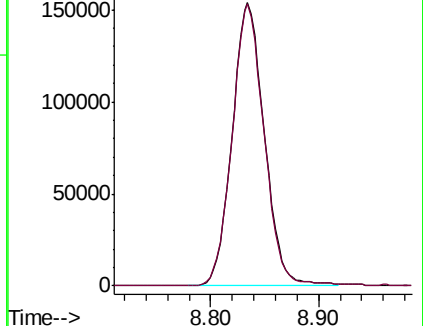
95 99.5 0.0 185.2

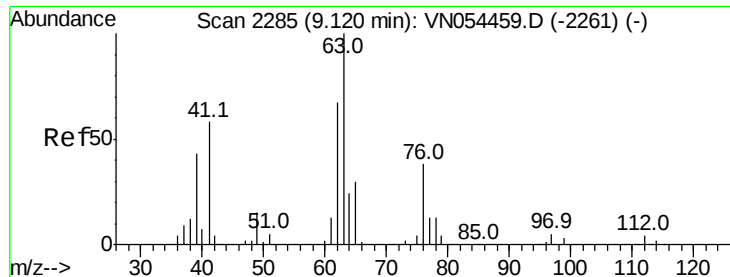


Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

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

8.83





#45

1,2-Dichloropropane

Concen: 52.684 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

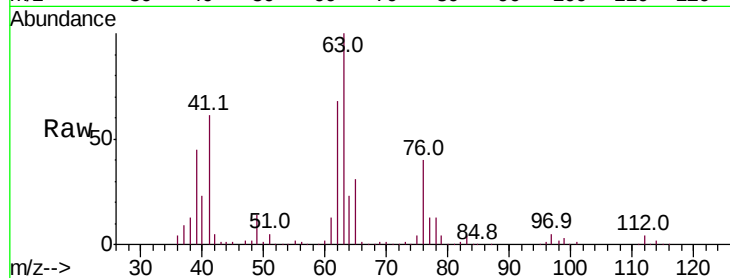
VSTDCCC050

Tot Ion: 63 Resp: 325697

Ion Ratio Lower Upper

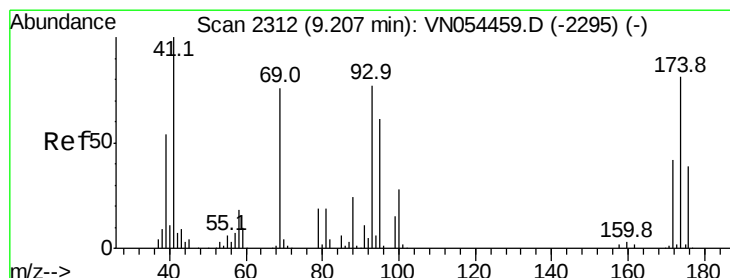
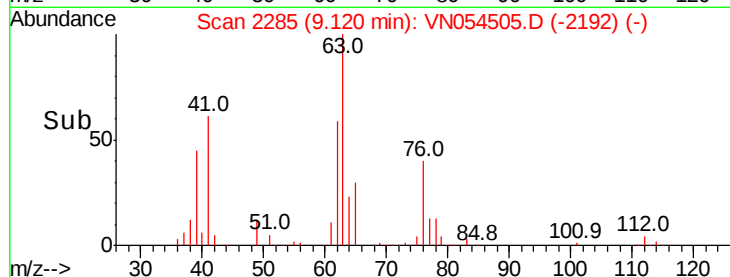
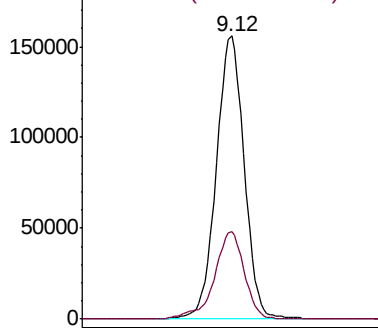
63 100

65 30.9 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: 51.923 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

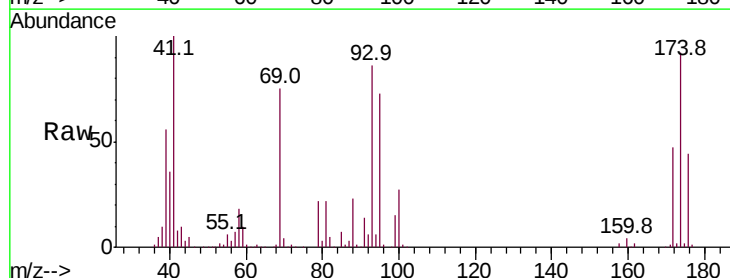
Tgt Ion: 93 Resp: 191496

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

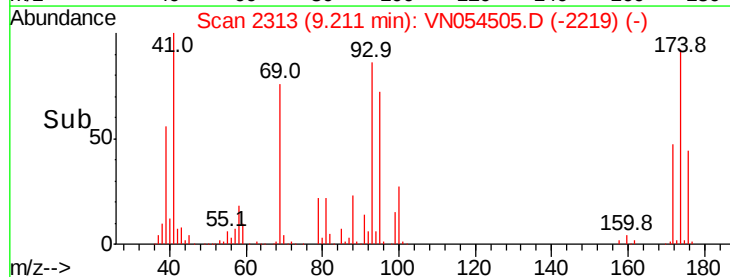
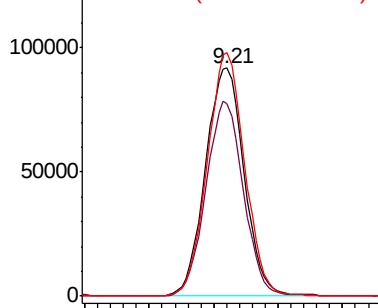
174 103.3 98.5 147.7

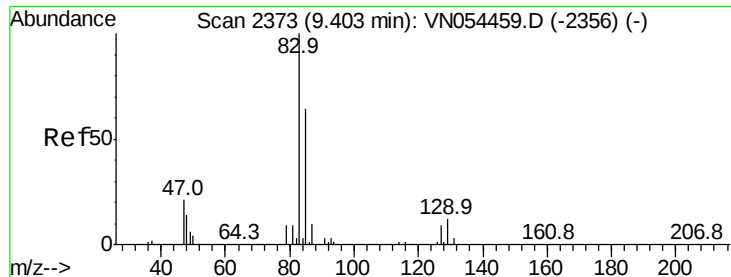


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.647 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

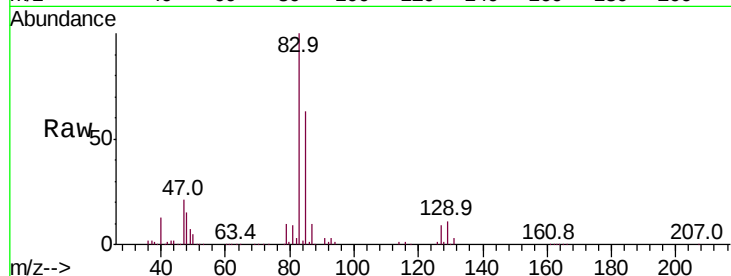
Tot Ion: 83 Resp: 402962

Ion Ratio Lower Upper

83 100

85 63.3 52.8 79.2

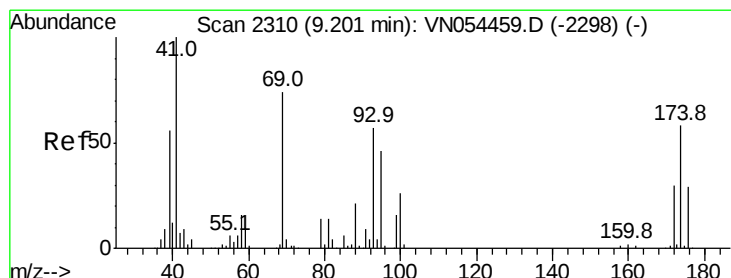
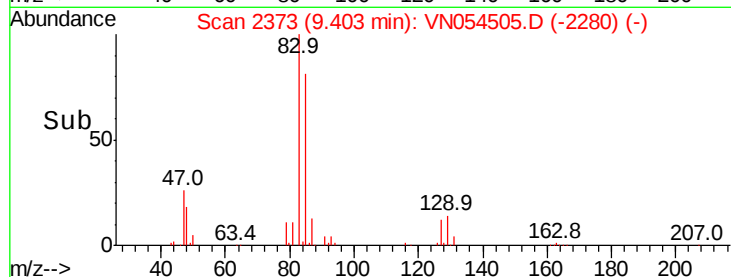
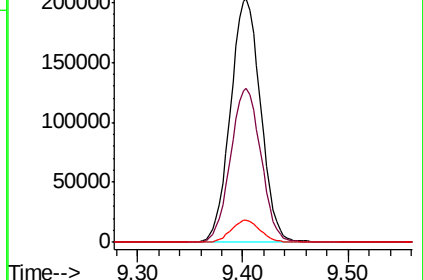
127 9.2 7.4 11.2



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

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

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



#48

Methyl methacrylate

Concen: 50.777 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

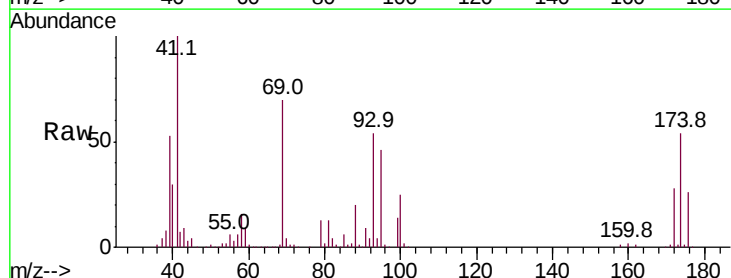
Tgt Ion: 41 Resp: 266524

Ion Ratio Lower Upper

41 100

69 74.8 72.6 108.8

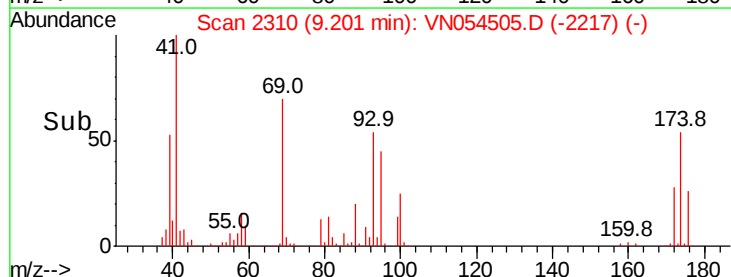
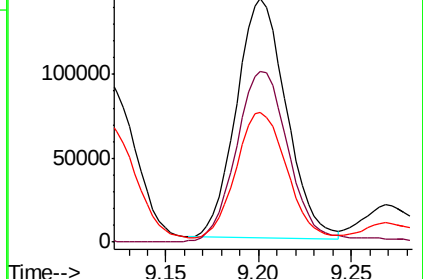
39 55.9 47.5 71.3

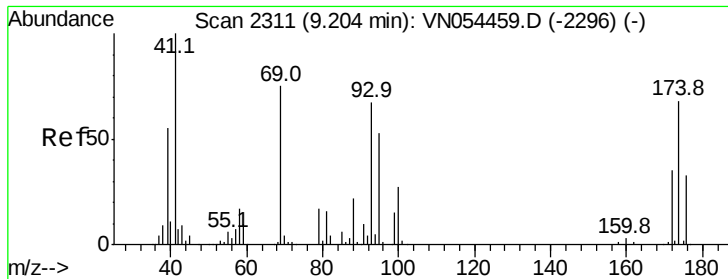


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

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

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





#49

1,4-Dioxane

Concen: 1000.682 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

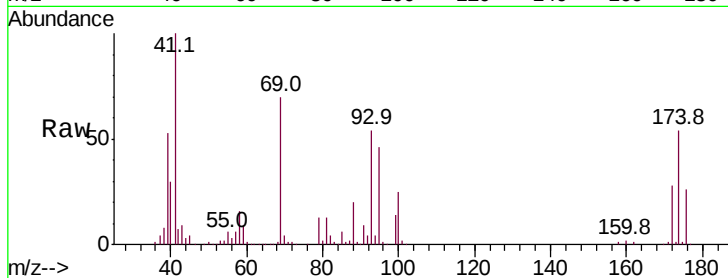
Tot Ion: 88 Resp: 58720

Ion Ratio Lower Upper

88 100

43 38.4 24.1 36.1#

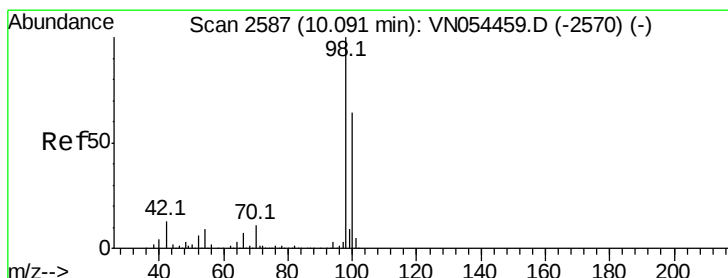
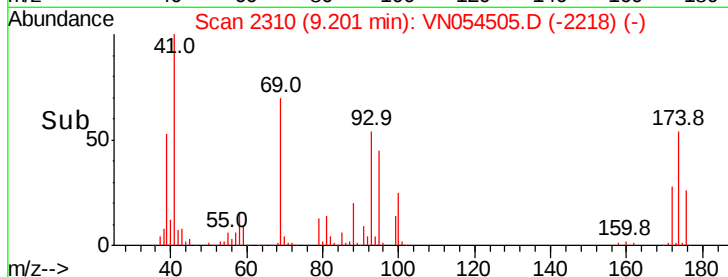
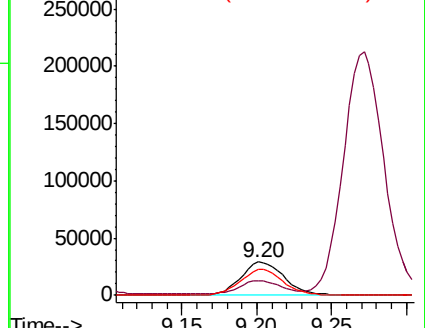
58 76.7 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.748 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054505.D

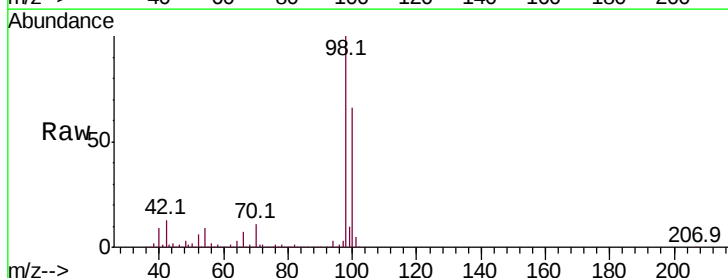
Acq: 21 Mar 2019 11:57

Tgt Ion: 98 Resp: 1058348

Ion Ratio Lower Upper

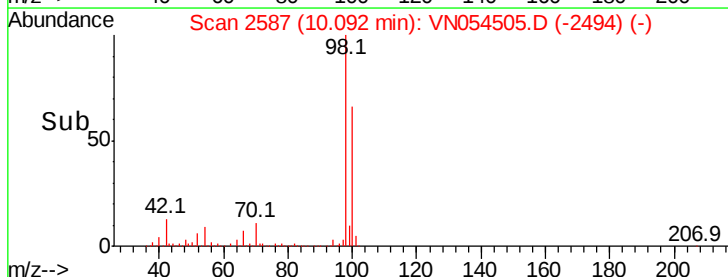
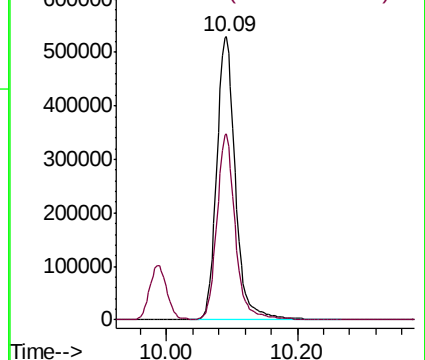
98 100

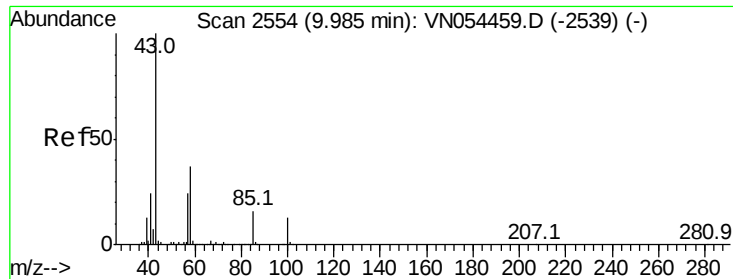
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 271.442 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

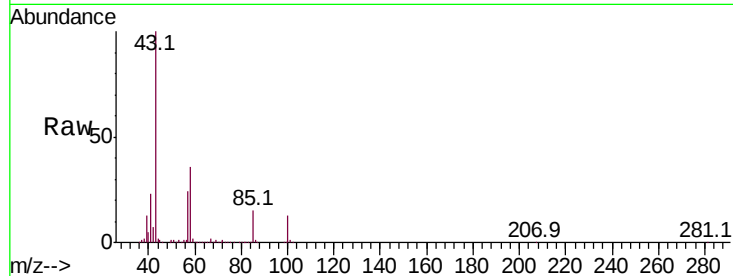
VSTDCCC050

Tot Ion: 43 Resp: 1454816

Ion Ratio Lower Upper

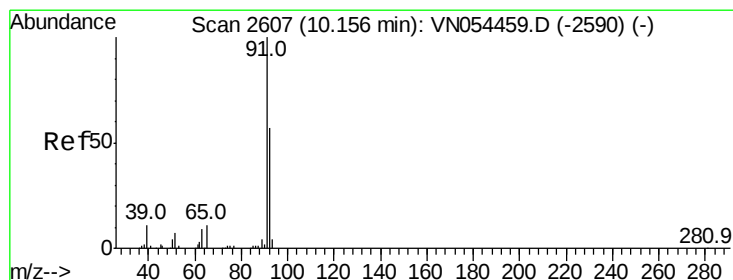
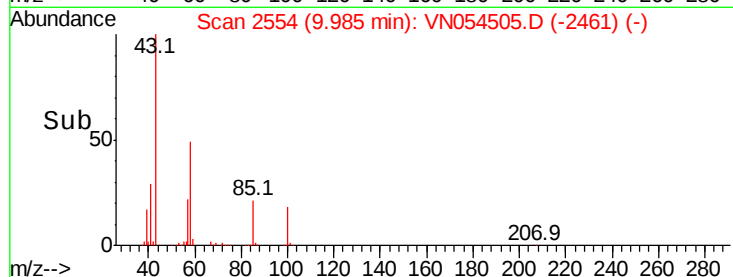
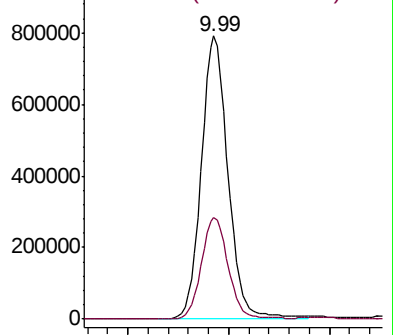
43 100

58 36.3 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: 51.062 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054505.D

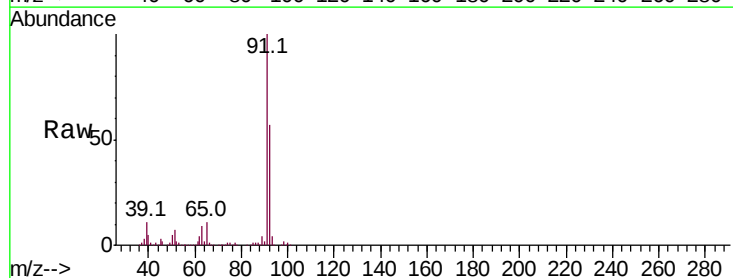
Acq: 21 Mar 2019 11:57

Tgt Ion: 92 Resp: 723043

Ion Ratio Lower Upper

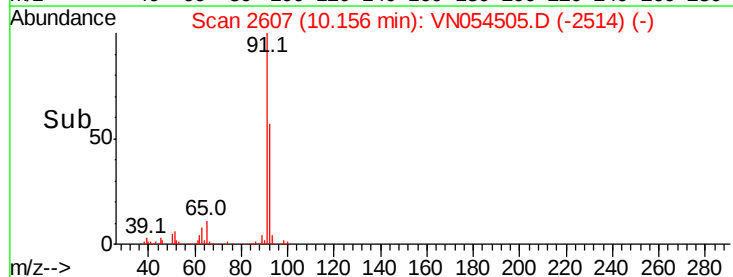
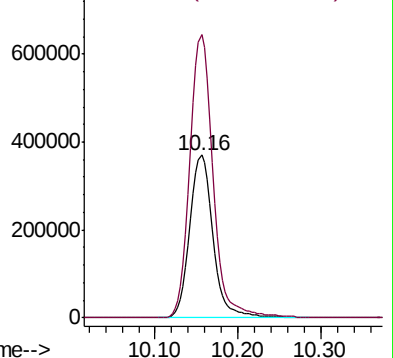
92 100

91 174.1 140.7 211.1



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: 49.456 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

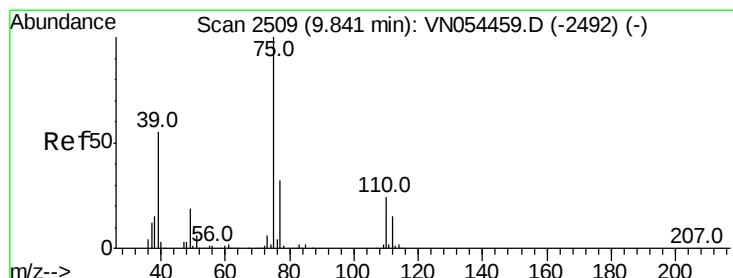
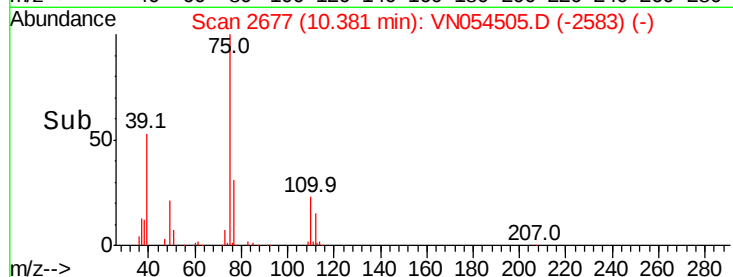
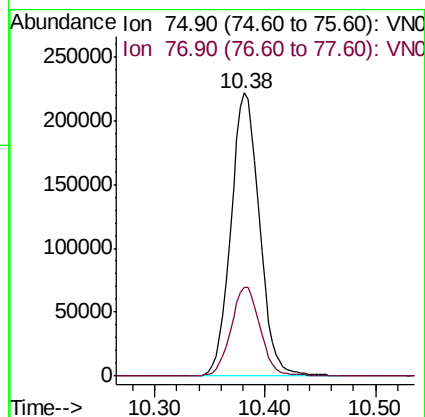
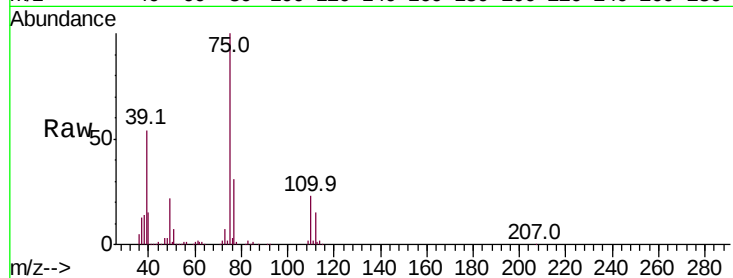
VSTDCCC050

Tot Ion: 75 Resp: 399106

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 54.698 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

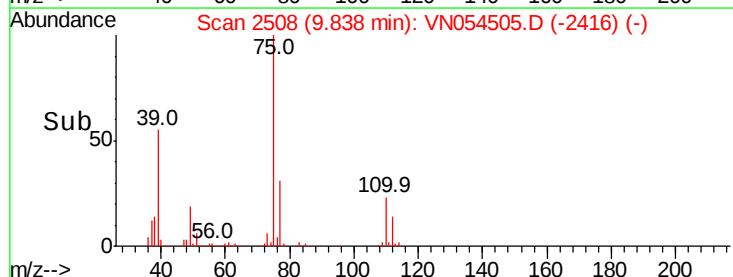
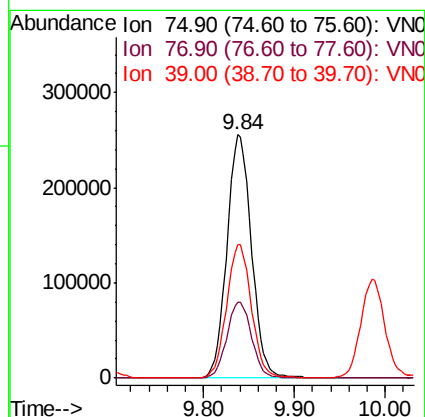
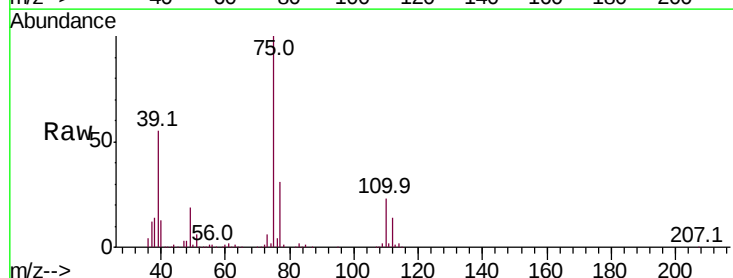
Tgt Ion: 75 Resp: 480040

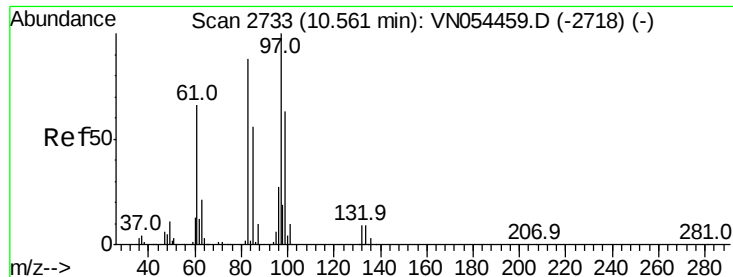
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 54.9 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 51.280 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

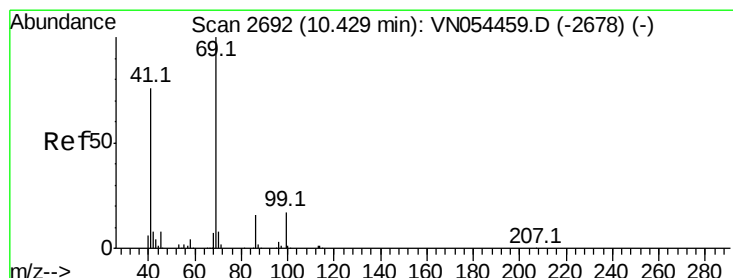
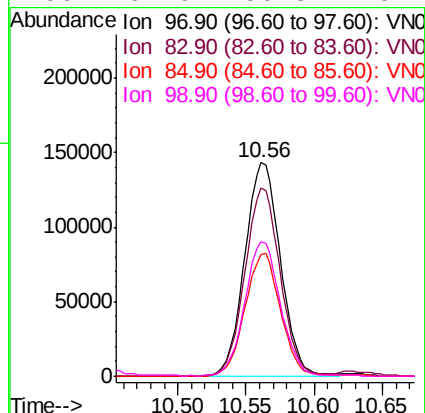
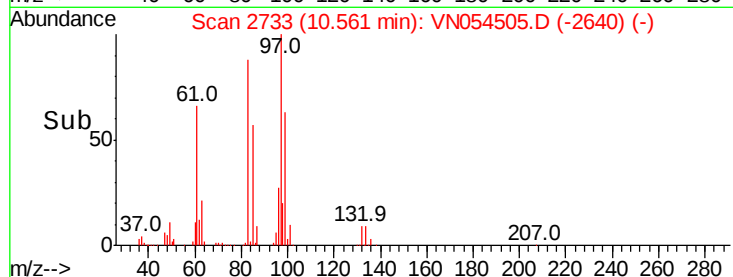
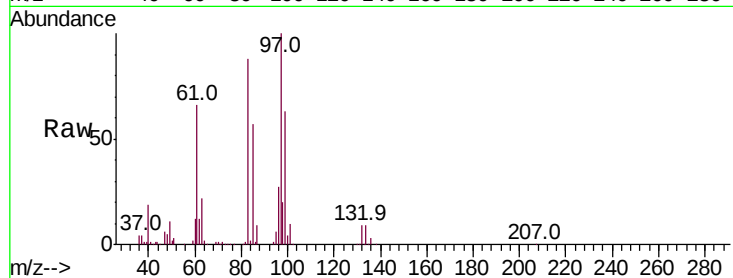
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 261013

Ion	Ratio	Lower	Upper
97	100		
83	88.3	66.6	100.0
85	56.7	44.4	66.6
99	62.6	50.8	76.2



#56

Ethyl methacrylate

Concen: 54.372 ug/l

RT: 10.43 min Scan# 2692

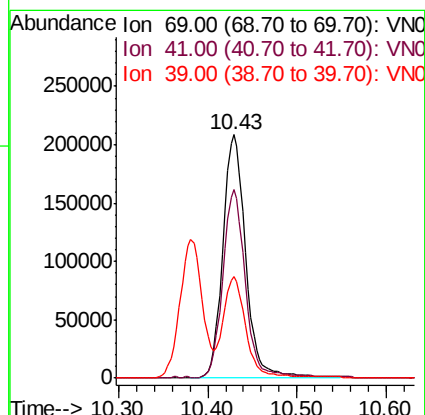
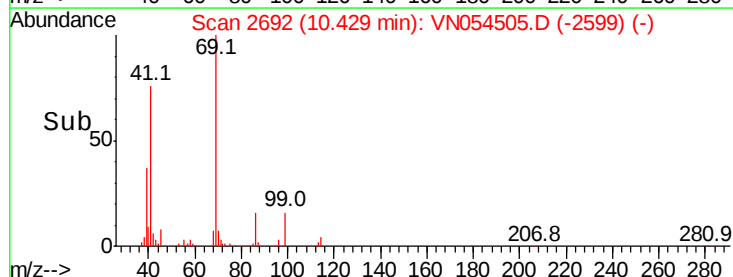
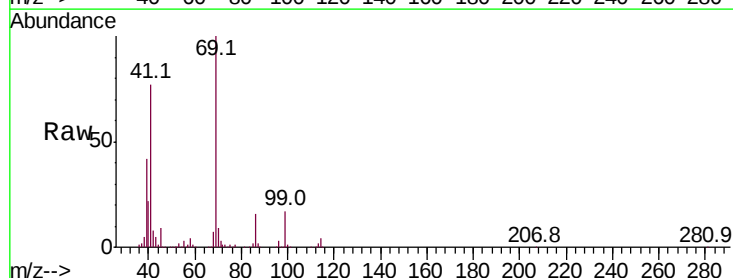
Delta R.T. 0.00 min

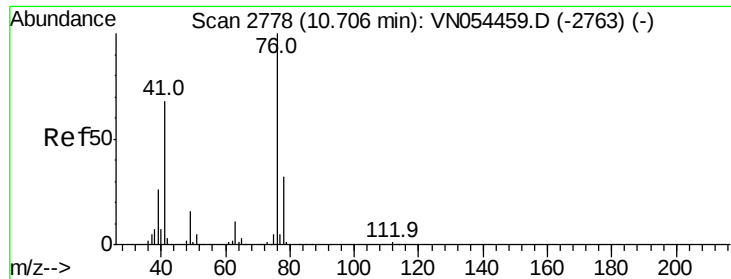
Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Tgt Ion: 69 Resp: 371457

Ion	Ratio	Lower	Upper
69	100		
41	75.3	49.4	74.2#
39	39.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.291 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampled :

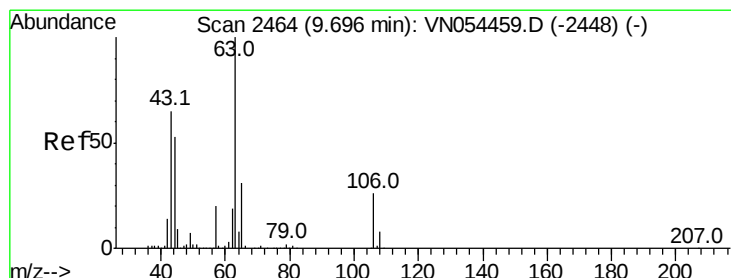
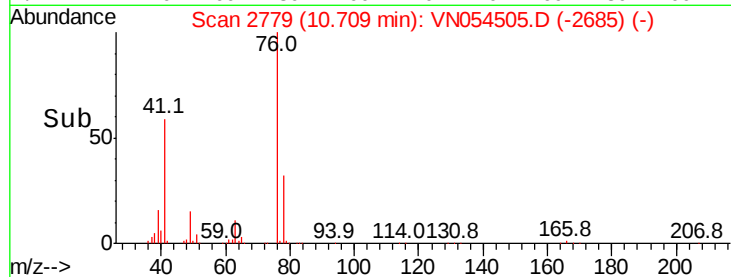
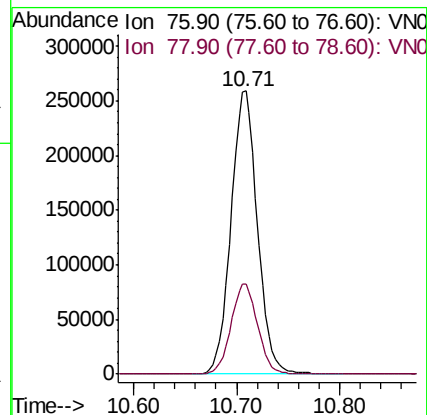
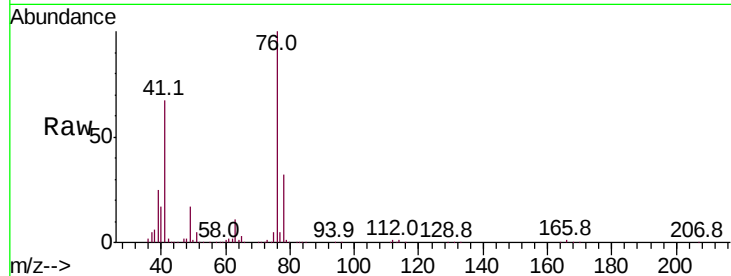
VSTDCCC050

Tot Ion: 76 Resp: 462674

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 254.877 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054505.D

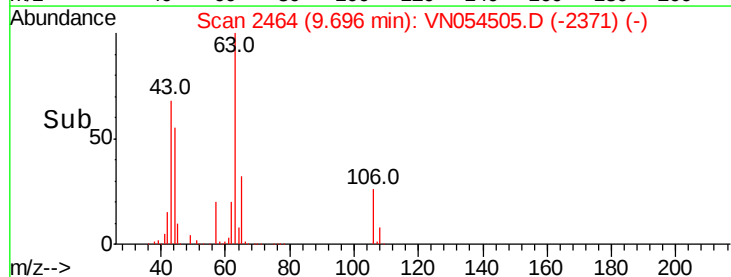
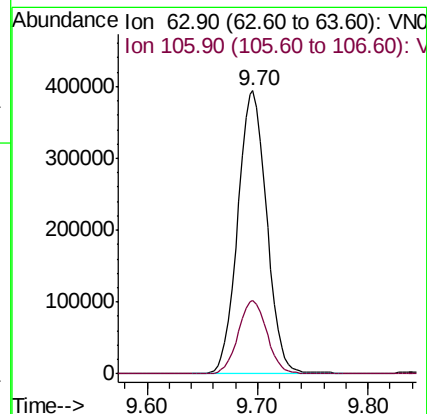
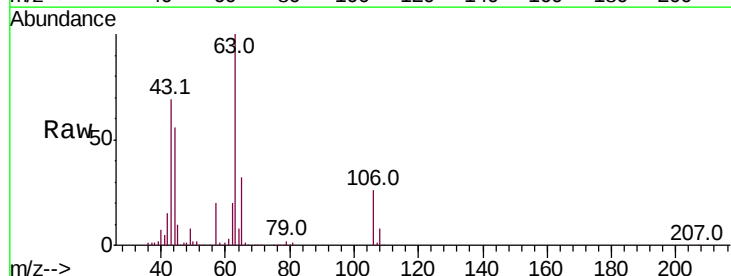
Acq: 21 Mar 2019 11:57

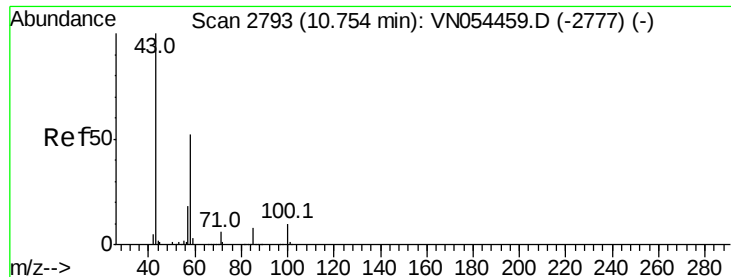
Tgt Ion: 63 Resp: 717013

Ion Ratio Lower Upper

63 100

106 25.8 24.4 36.6

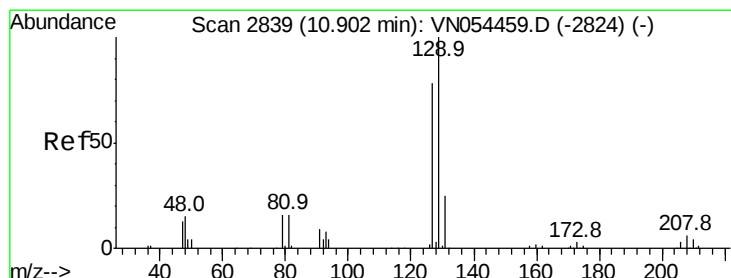
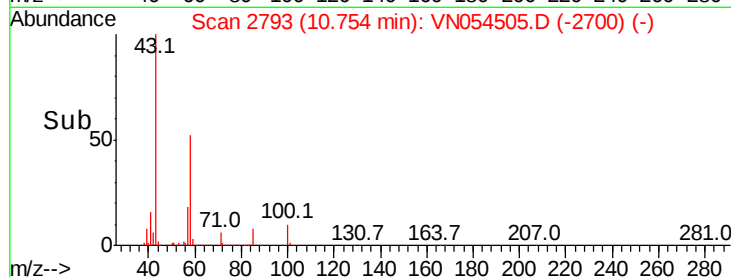
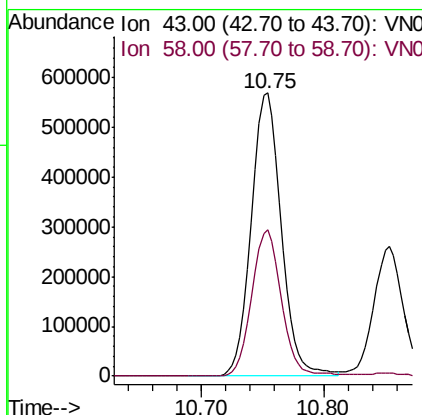
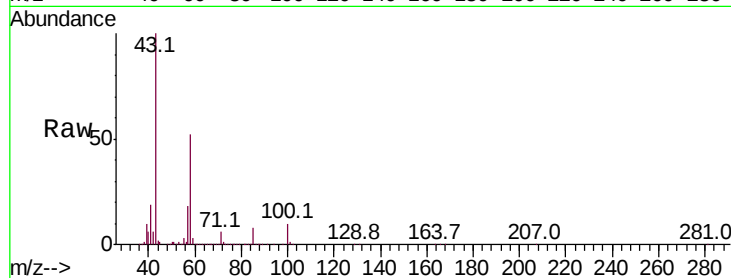




#59
2-Hexanone
Concen: 273.817 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

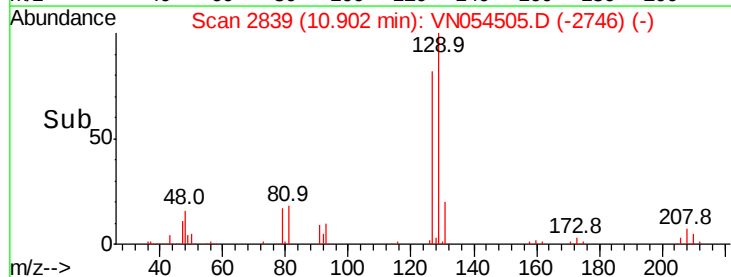
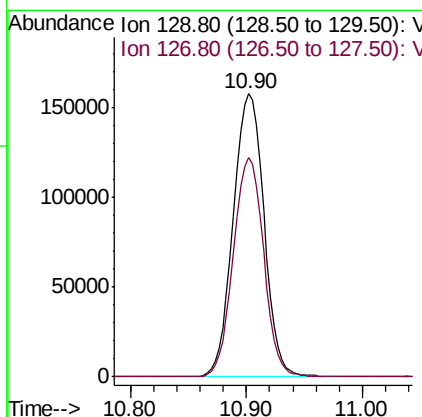
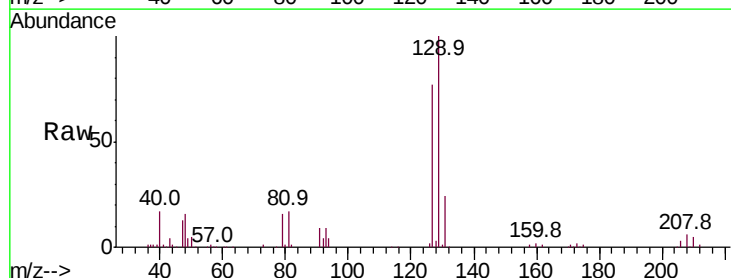
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

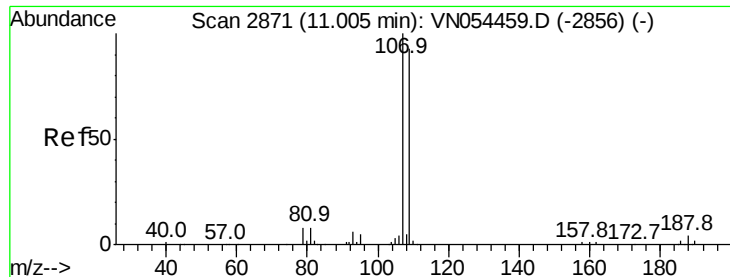
Tot Ion: 43 Resp: 958580
Ion Ratio Lower Upper
43 100
58 51.3 28.0 83.9



#60
Dibromochloromethane
Concen: 53.762 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 129 Resp: 291187
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8

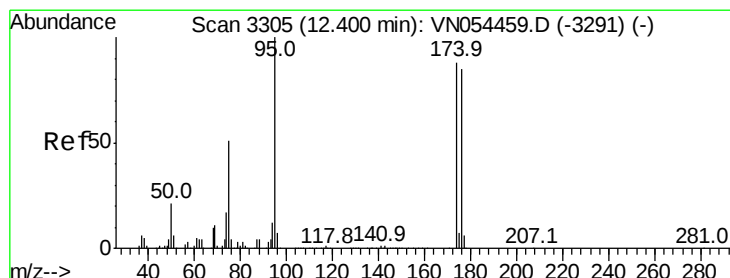
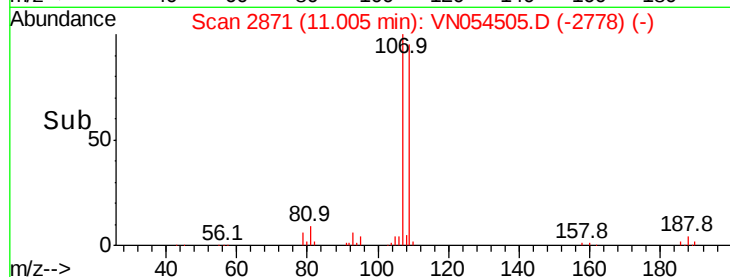
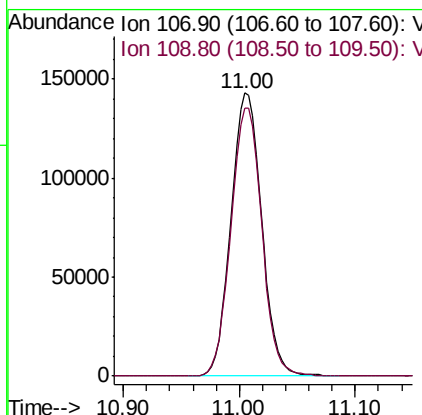
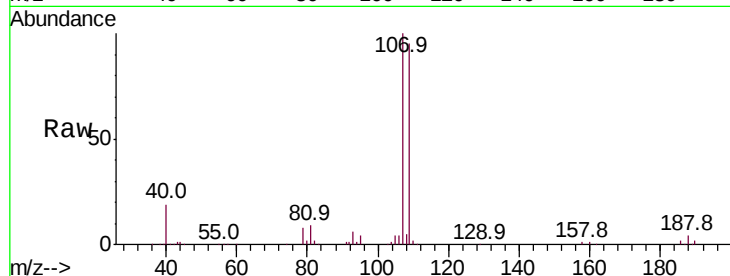




#61
 1,2-Dibromoethane
 Concen: 51.854 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

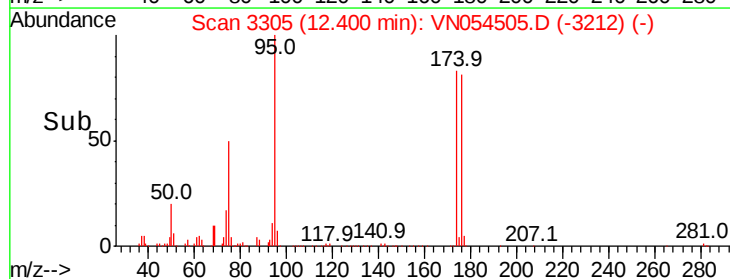
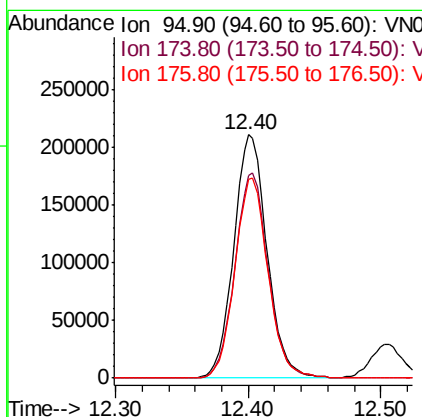
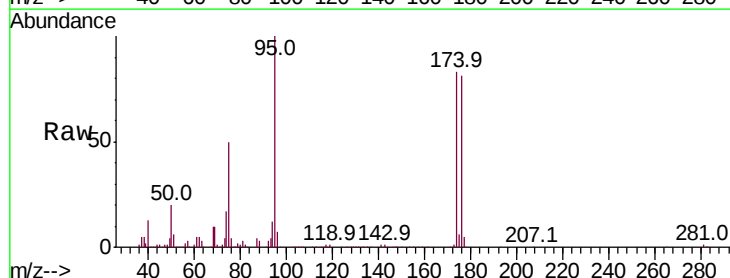
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

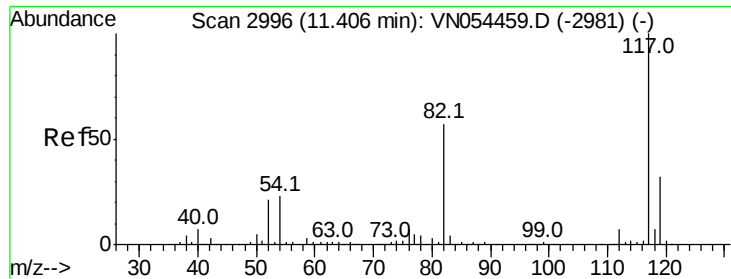
Tot Ion:107 Resp: 260932
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.627 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Tgt Ion: 95 Resp: 366376
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 191.0
 176 82.3 0.0 187.4

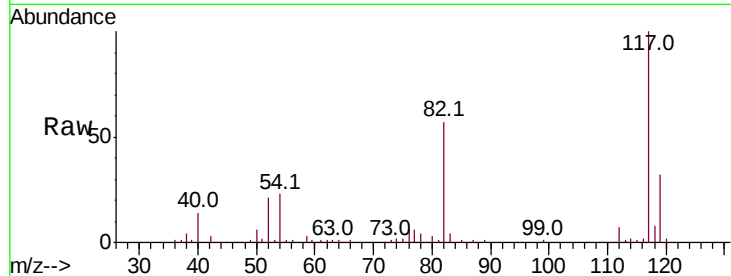




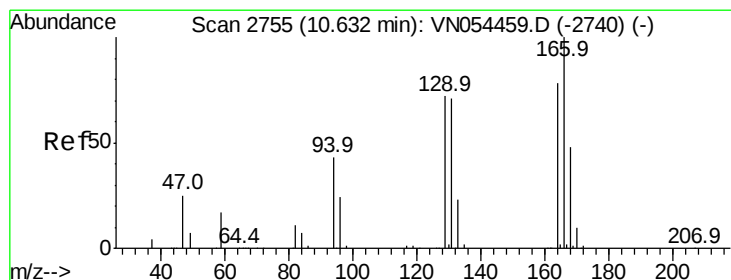
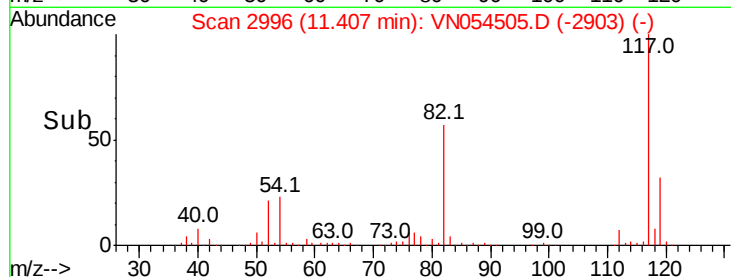
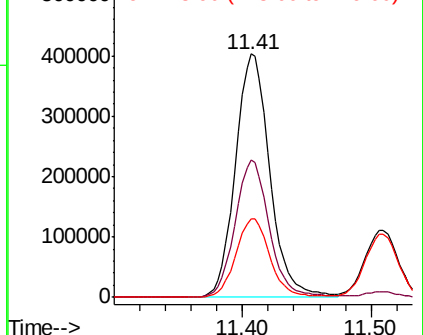
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:117 Resp: 749355
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 32.2 25.8 38.6

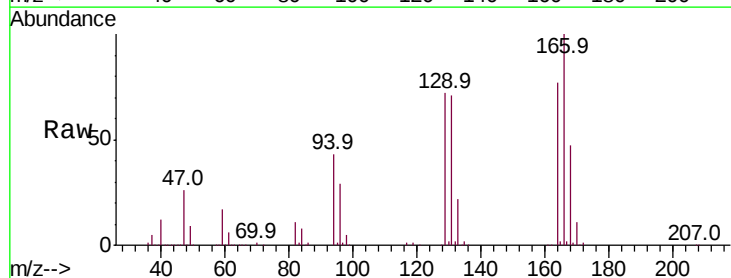


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

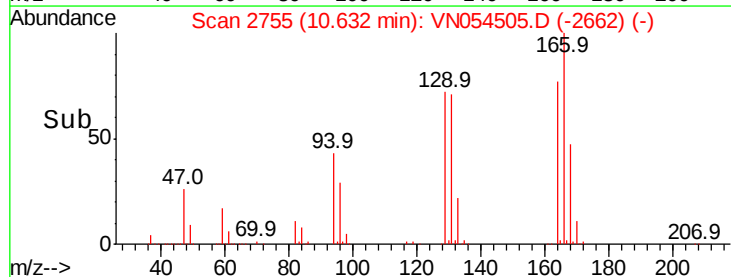
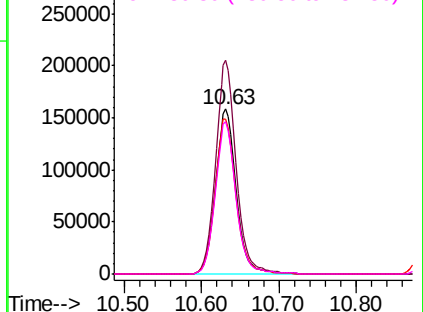


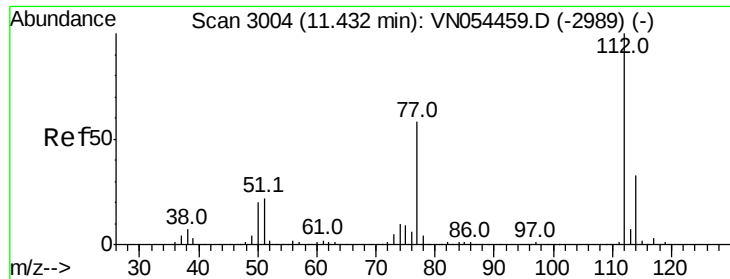
#64
Tetrachloroethene
Concen: 48.302 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion:164 Resp: 300227
Ion Ratio Lower Upper
164 100
166 129.6 103.9 155.9
129 93.9 71.1 106.7
131 92.2 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

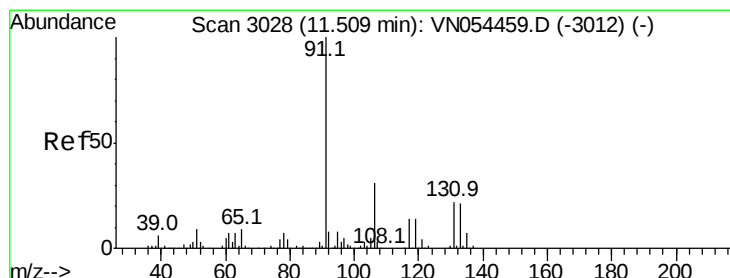
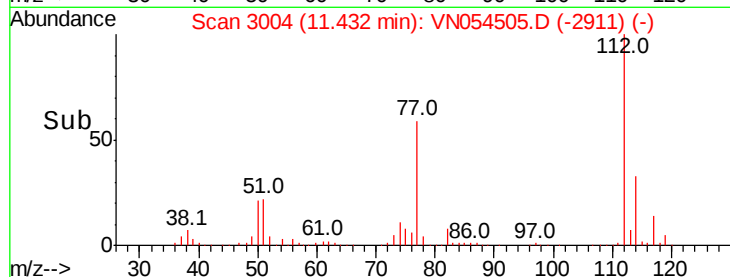
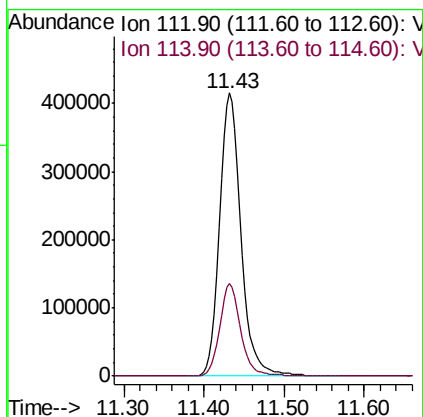
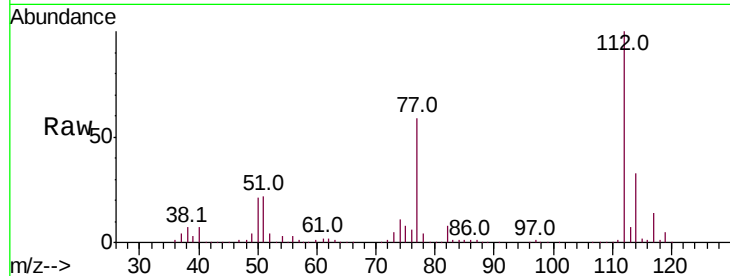




#65
Chlorobenzene
Concen: 50.563 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

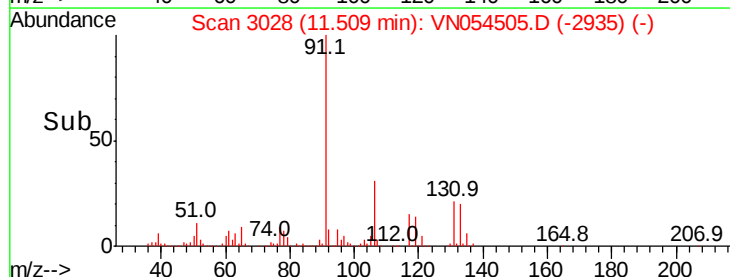
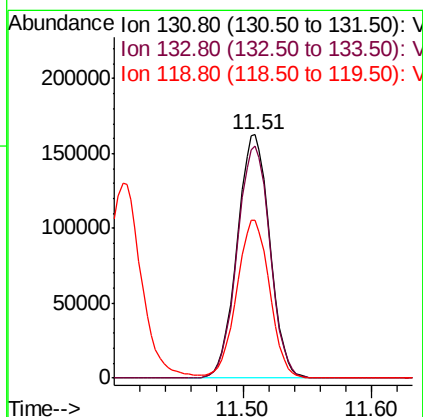
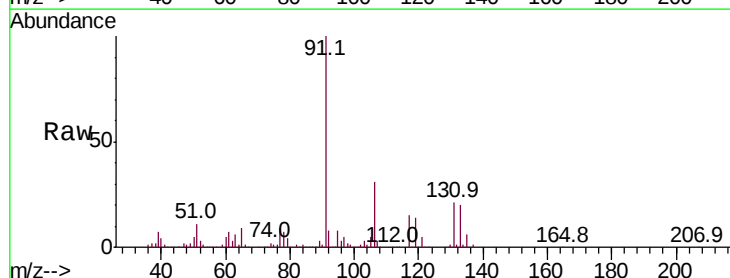
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

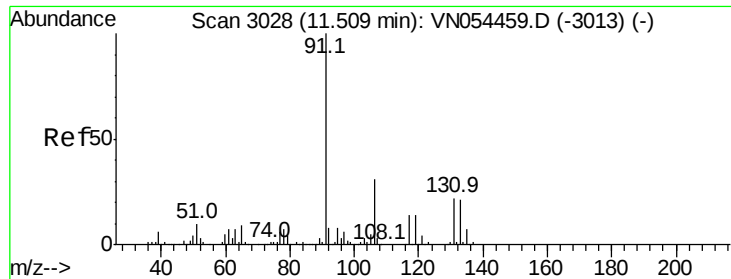
Tot Ion:112 Resp: 770625
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.411 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion:131 Resp: 286713
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 65.6 32.4 97.0





#67

Ethyl Benzene

Concen: 50.826 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

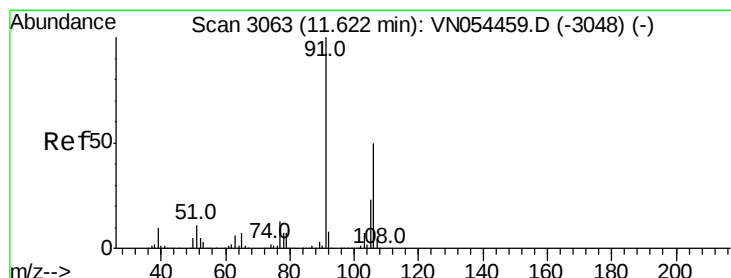
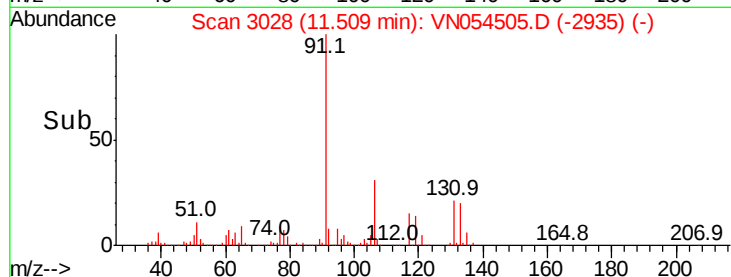
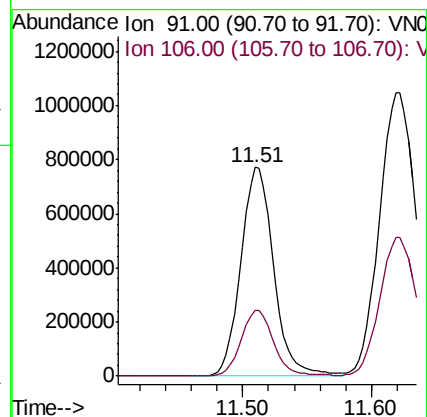
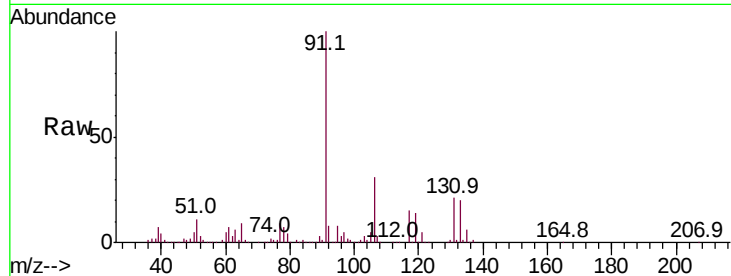
VSTDCCC050

Tot Ion: 91 Resp: 1368336

Ion Ratio Lower Upper

91 100

106 31.3 25.5 38.3



#68

m/p-Xylenes

Concen: 102.324 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054505.D

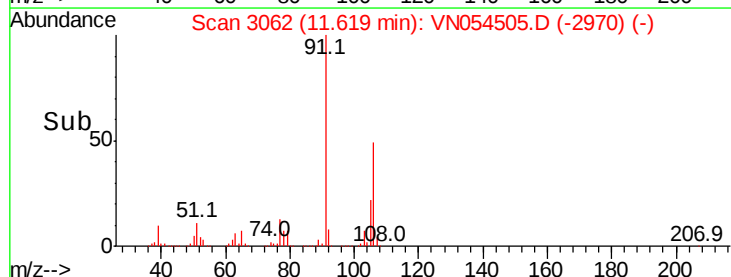
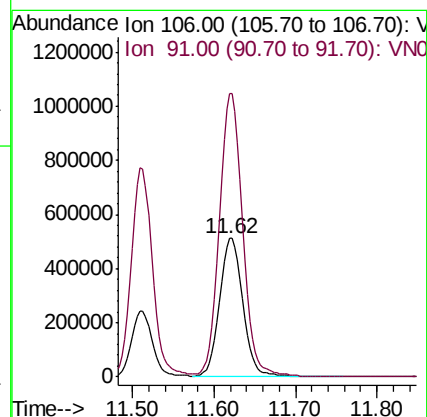
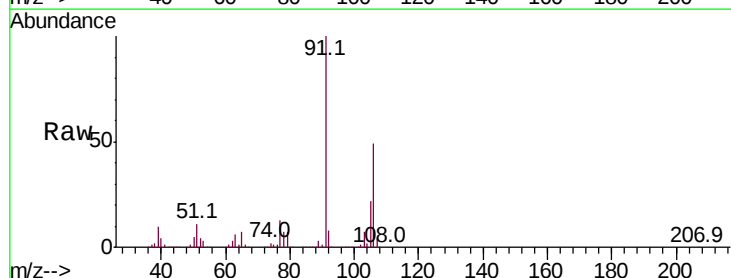
Acq: 21 Mar 2019 11:57

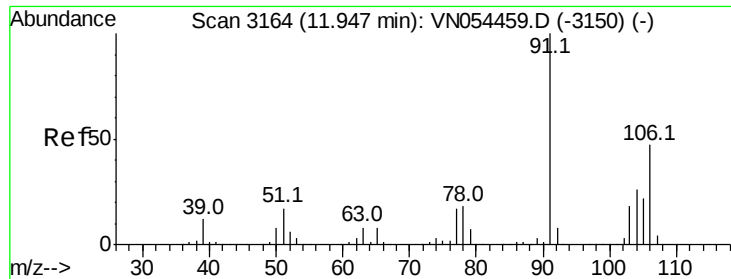
Tgt Ion: 106 Resp: 1043449

Ion Ratio Lower Upper

106 100

91 204.1 159.4 239.2

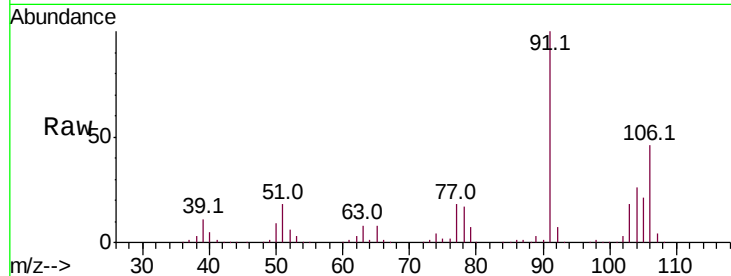




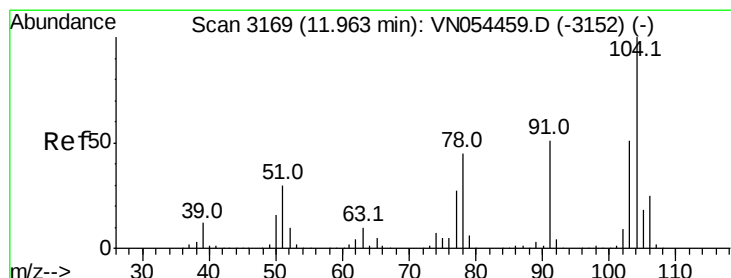
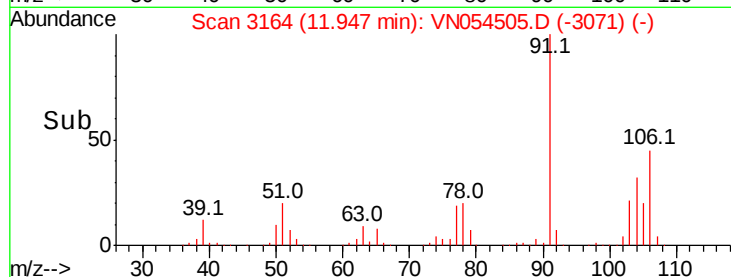
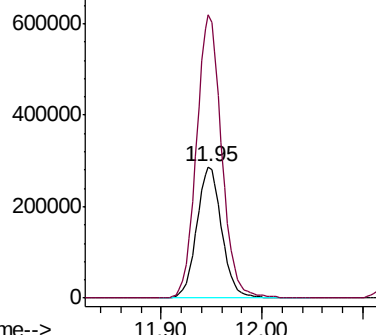
#69
o-Xylene
Concen: 50.072 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 498659
Ion Ratio Lower Upper
106 100
91 216.7 105.7 317.1

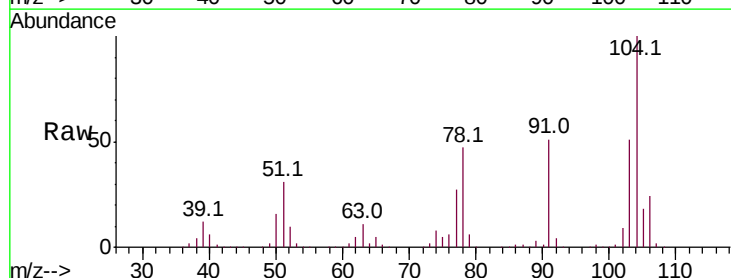


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

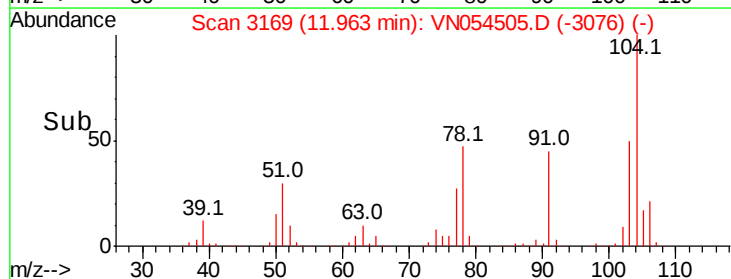
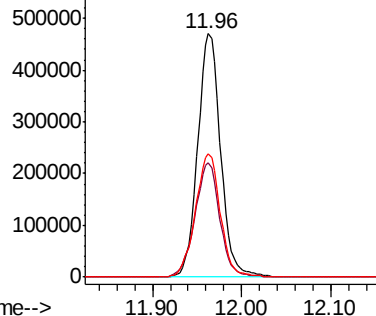


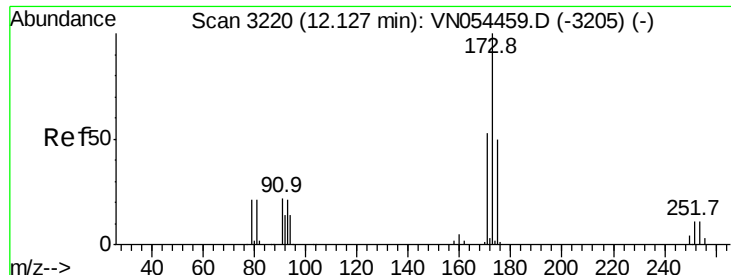
#70
Styrene
Concen: 51.791 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion:104 Resp: 837597
Ion Ratio Lower Upper
104 100
78 50.9 38.2 57.2
103 55.1 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

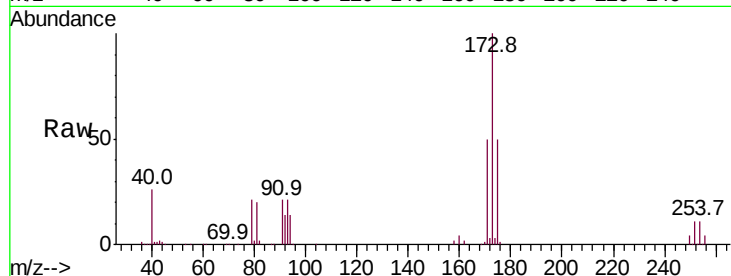




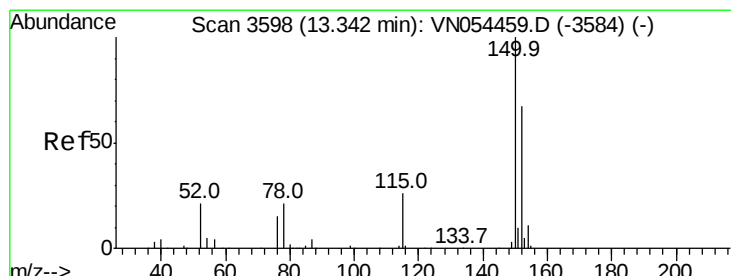
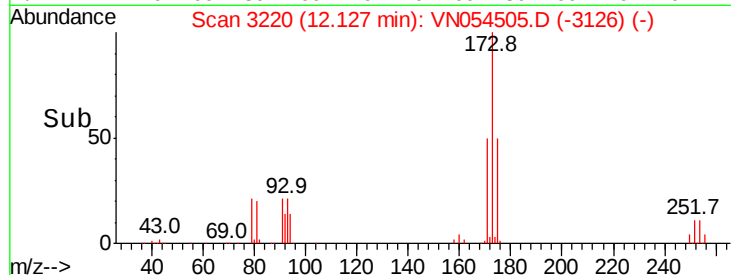
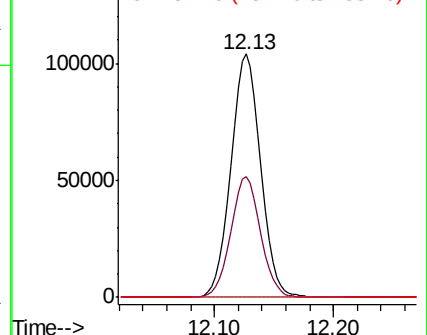
#71
Bromoform
Concen: 47.739 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:173 Resp: 179650
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.2
254 0.1 0.1 0.1#

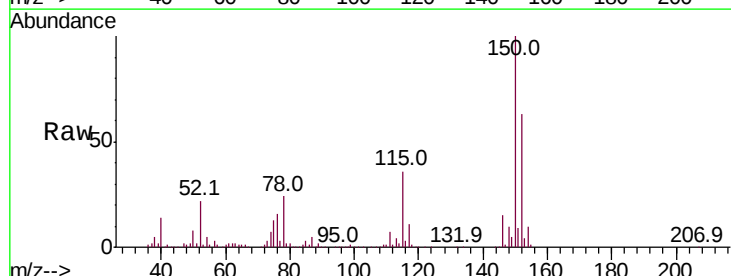


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

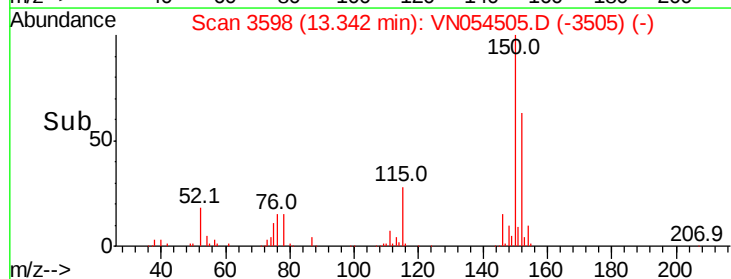
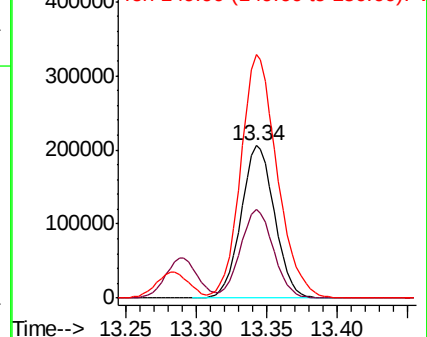


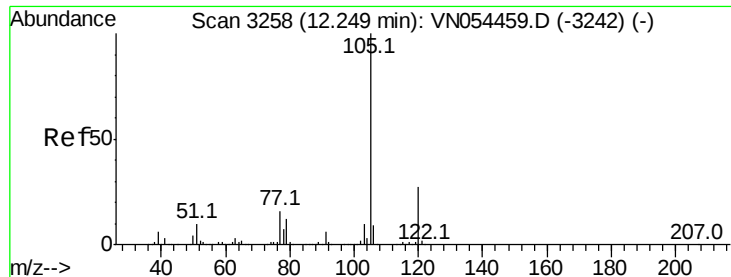
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion:152 Resp: 341063
Ion Ratio Lower Upper
152 100
115 57.8 27.2 81.6
150 173.6 0.0 349.2



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

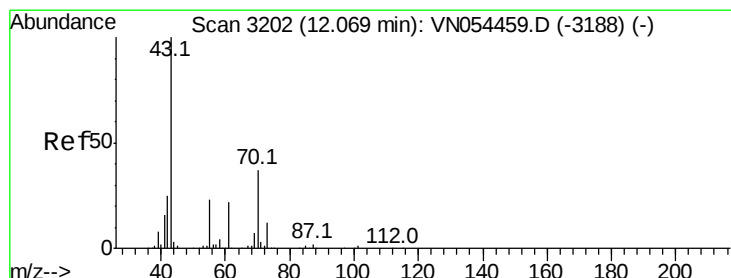
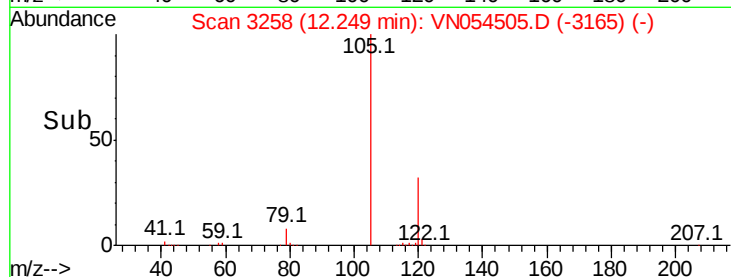
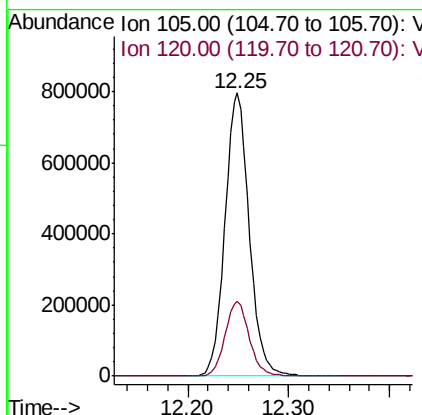
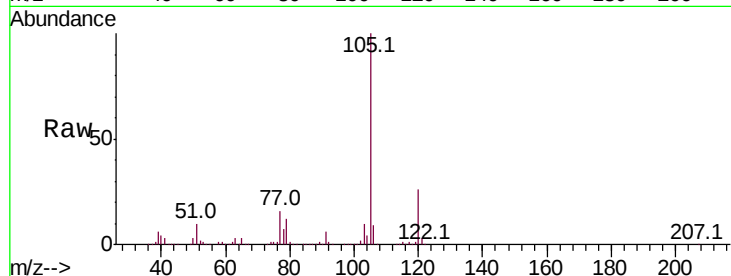




#73
Isopropylbenzene
Concen: 48.588 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

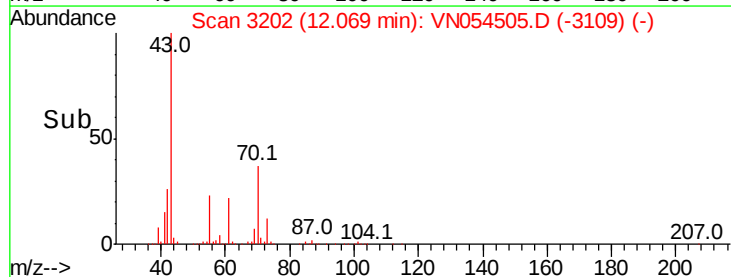
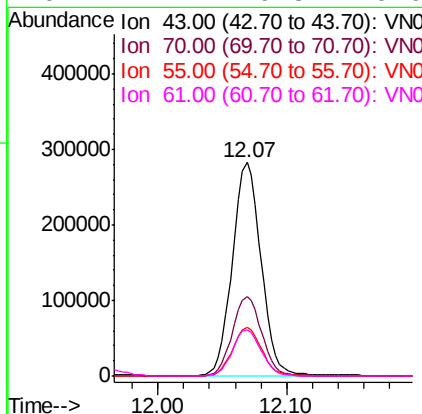
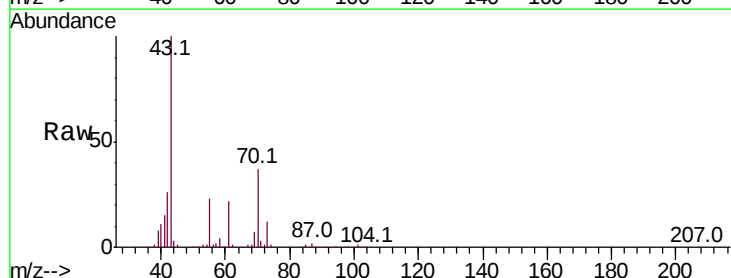
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

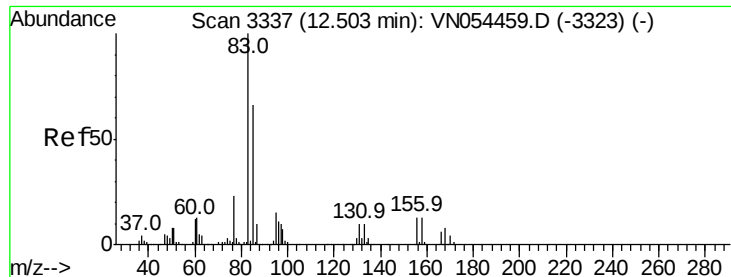
Tot Ion:105 Resp: 1335371
Ion Ratio Lower Upper
105 100
120 26.4 13.8 41.3



#74
N-ethyl acetate
Concen: 55.188 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 43 Resp: 436124
Ion Ratio Lower Upper
43 100
70 38.2 35.4 53.0
55 23.1 19.8 29.6
61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.857 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

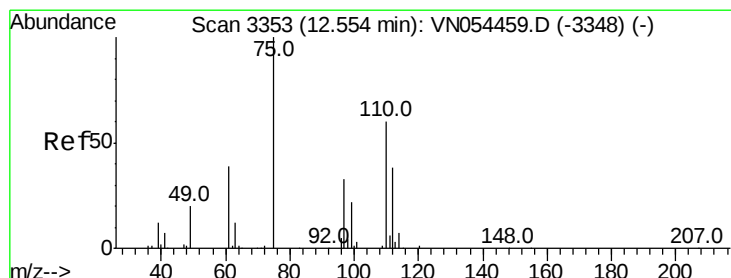
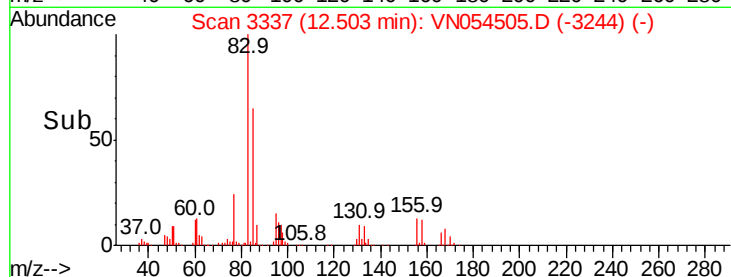
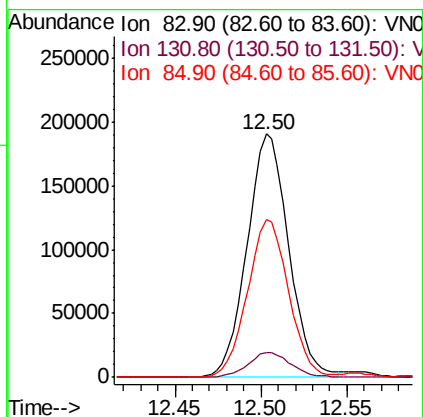
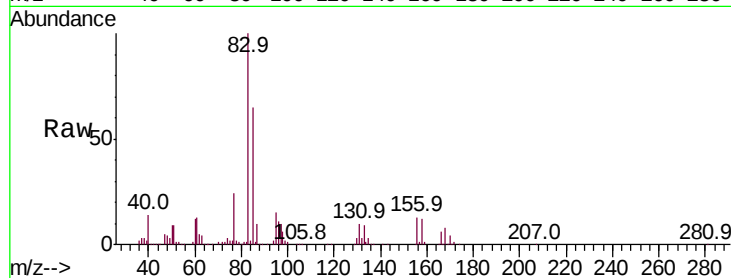
Tot Ion: 83 Resp: 319067

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.8	17.4
85	64.1	32.2	96.6

83 100

131 10.6 5.8 17.4

85 64.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 71.696 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054505.D

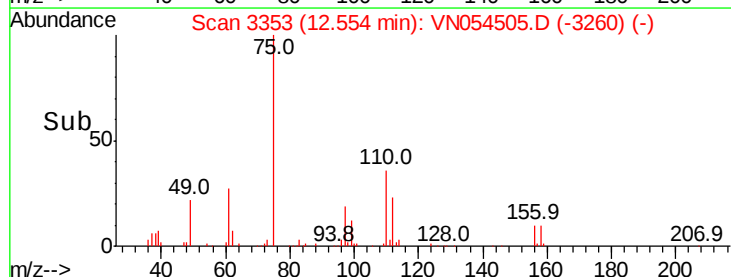
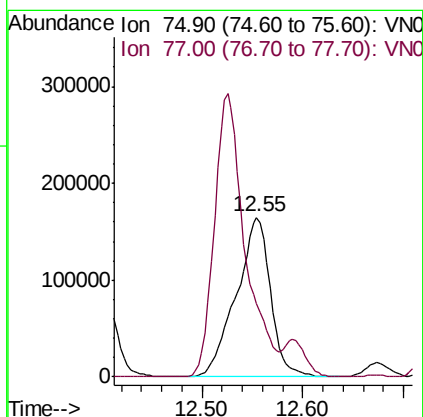
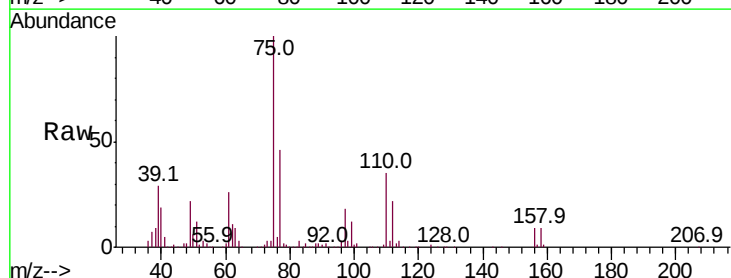
Acq: 21 Mar 2019 11:57

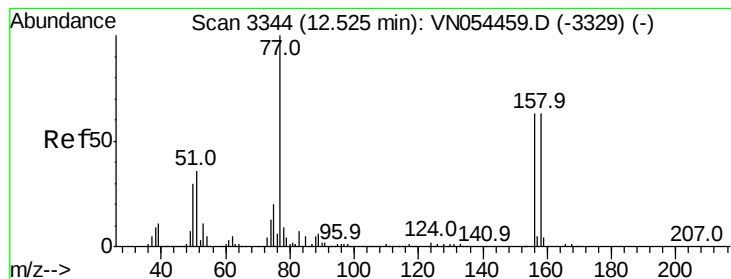
Tgt Ion: 75 Resp: 388028

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.198 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

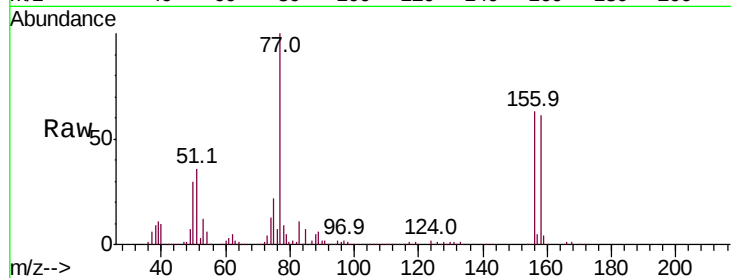
Tot Ion:156 Resp: 328532

Ion Ratio Lower Upper

156 100

77 189.0 81.5 244.4

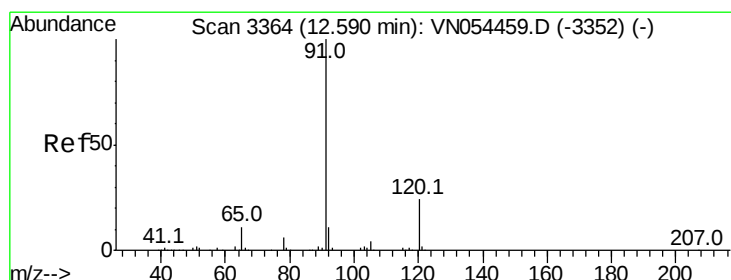
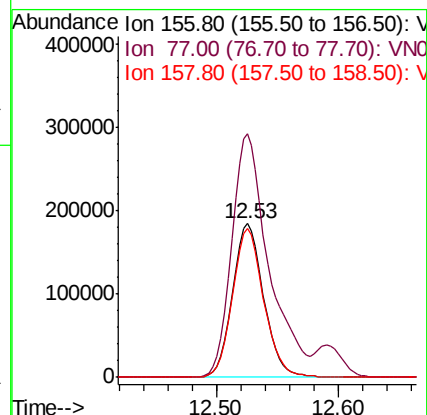
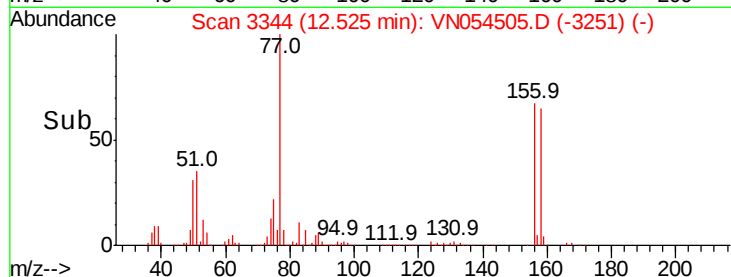
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.628 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054505.D

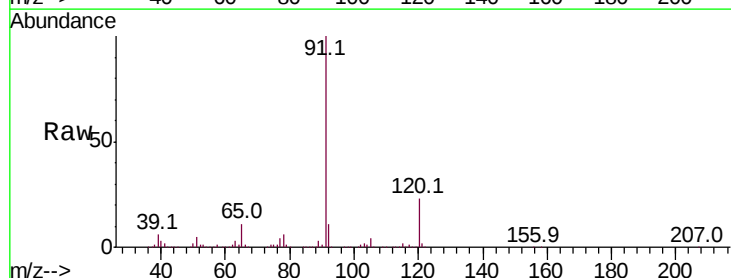
Acq: 21 Mar 2019 11:57

Tgt Ion: 91 Resp: 1508813

Ion Ratio Lower Upper

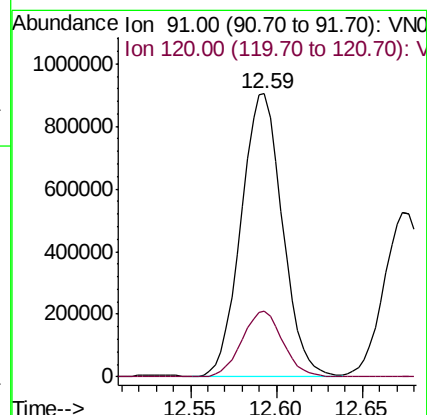
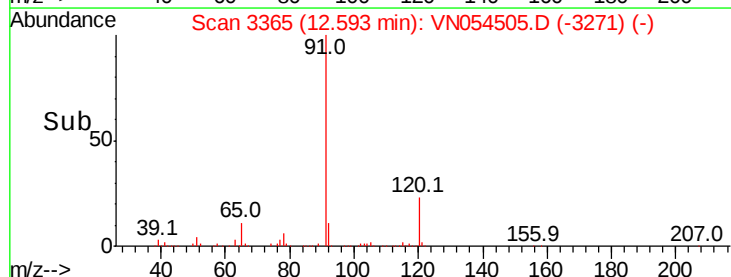
91 100

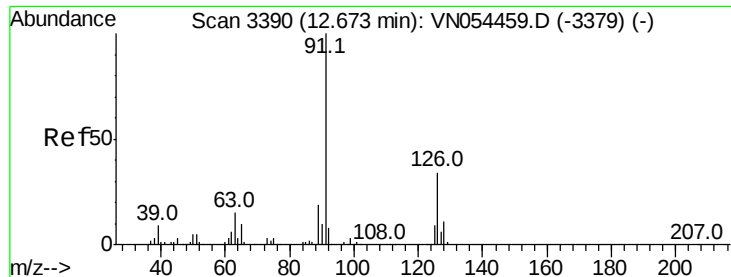
120 23.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.119 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

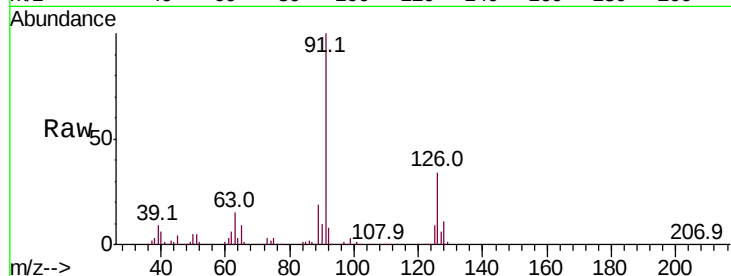
VSTDCCC050

Tot Ion: 91 Resp: 894271

Ion Ratio Lower Upper

91 100

126 34.8 18.7 56.1



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

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

12.67

600000

500000

400000

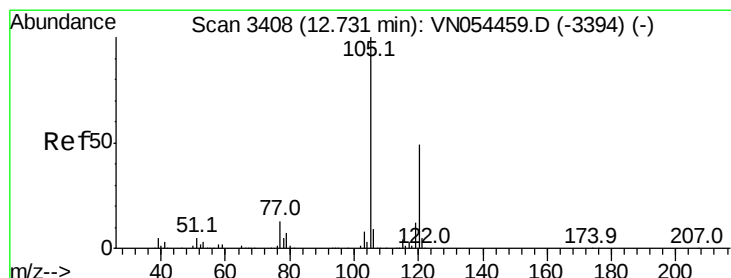
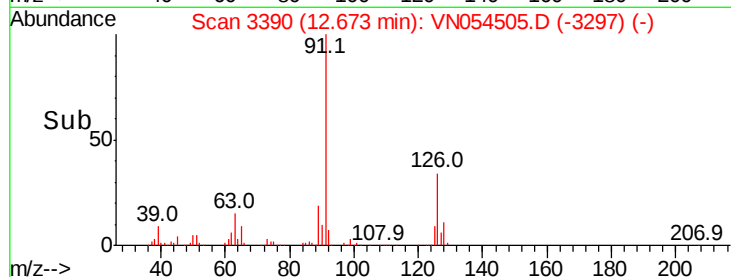
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.917 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054505.D

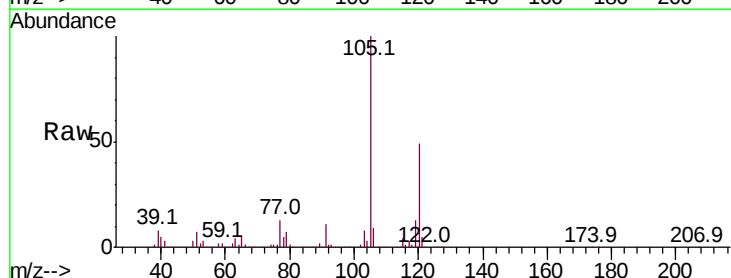
Acq: 21 Mar 2019 11:57

Tgt Ion:105 Resp: 1124383

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0



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

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

12.73

800000

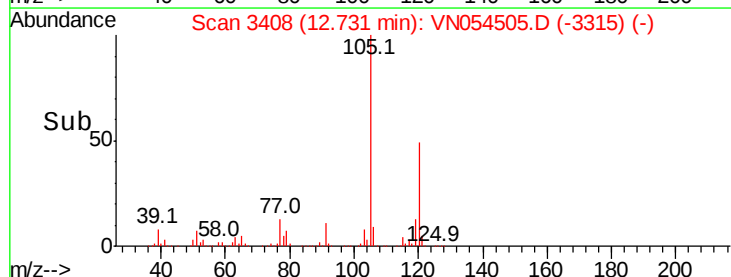
600000

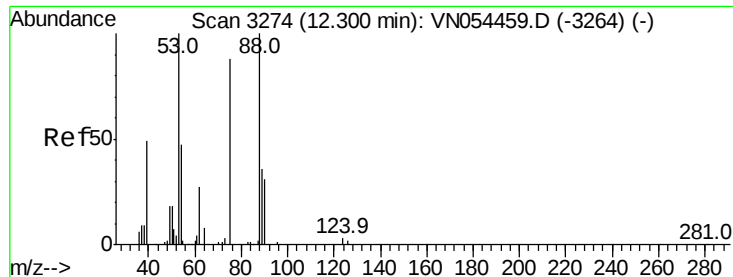
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.956 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

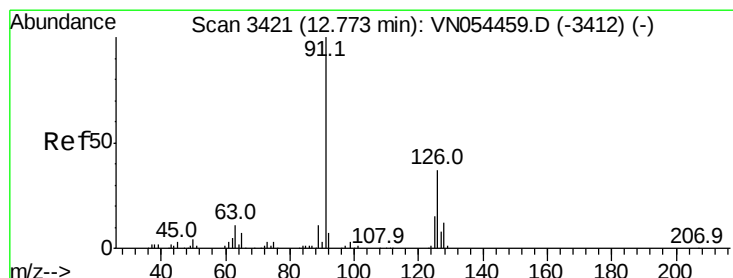
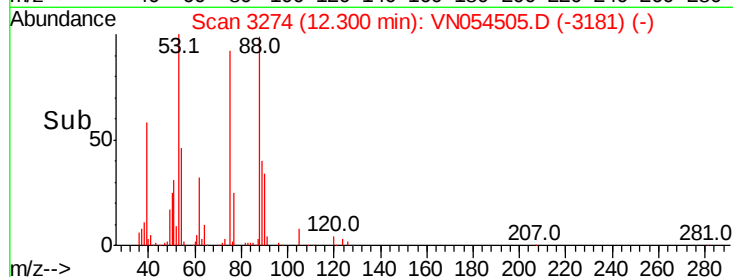
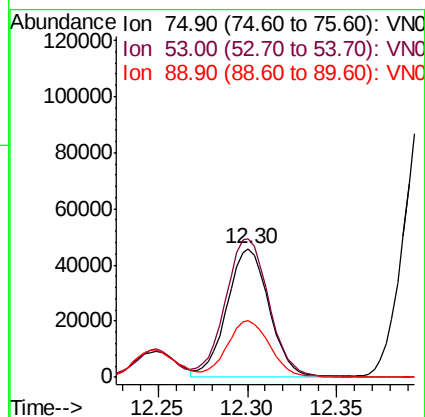
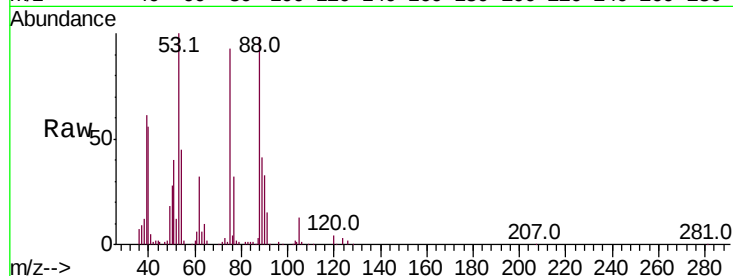
Tot Ion: 75 Resp: 75071

Ion Ratio Lower Upper

75 100

53 113.3 76.2 114.2

89 45.4 39.2 58.8



#82

4-Chlorotoluene

Concen: 49.553 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054505.D

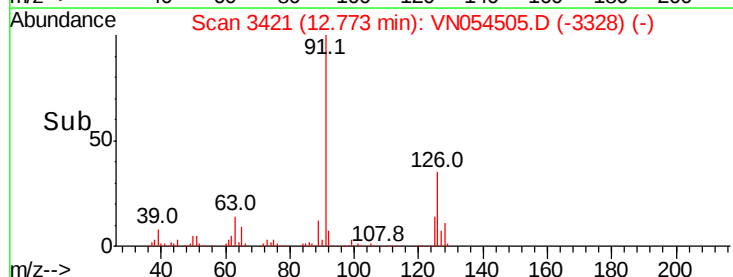
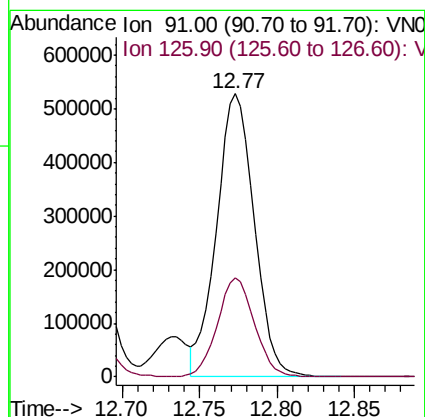
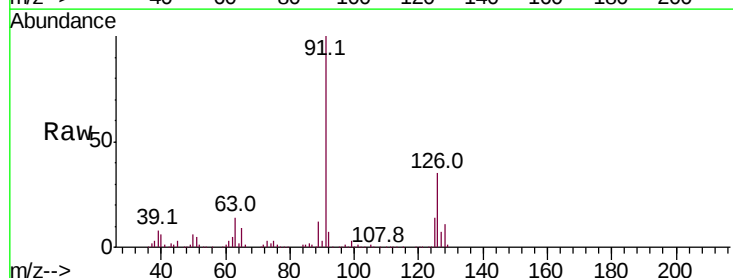
Acq: 21 Mar 2019 11:57

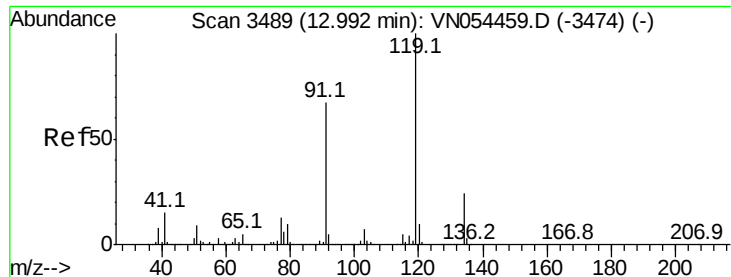
Tgt Ion: 91 Resp: 892648

Ion Ratio Lower Upper

91 100

126 34.4 18.1 54.1

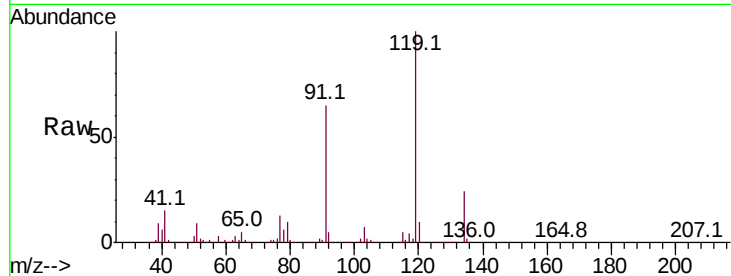




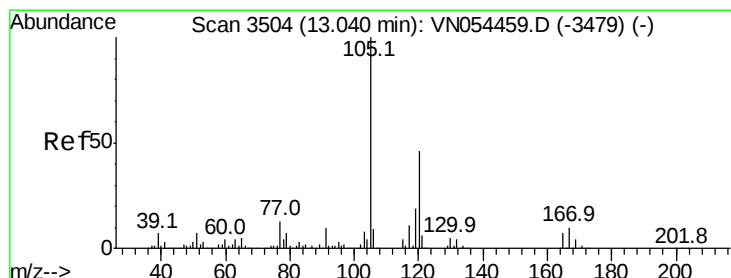
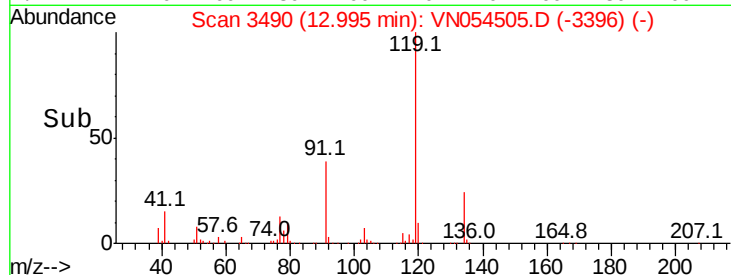
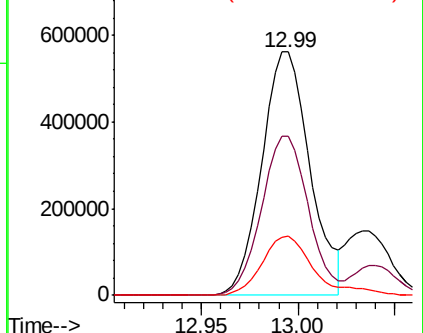
#83
 tert-Butylbenzene
 Concen: 49.587 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 972255
 Ion Ratio Lower Upper
 119 100
 91 63.6 30.9 92.8
 134 26.2 13.2 39.6

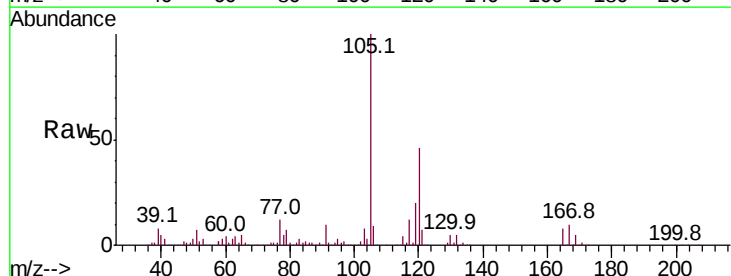


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

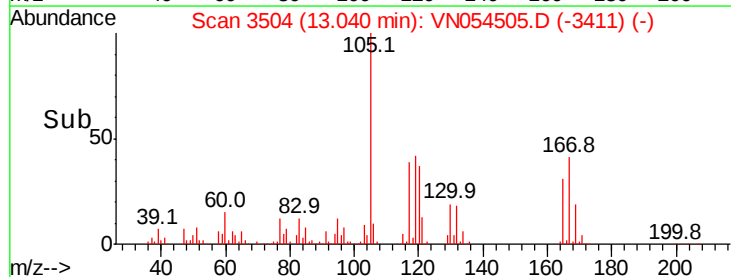
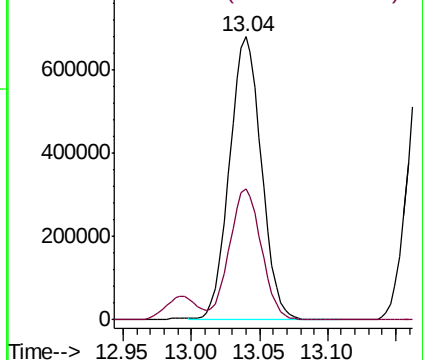


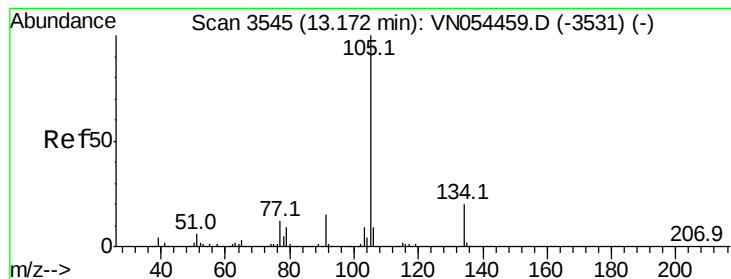
#84
 1,2,4-Trimethylbenzene
 Concen: 49.876 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Tgt Ion:105 Resp: 1102362
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 50.781 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

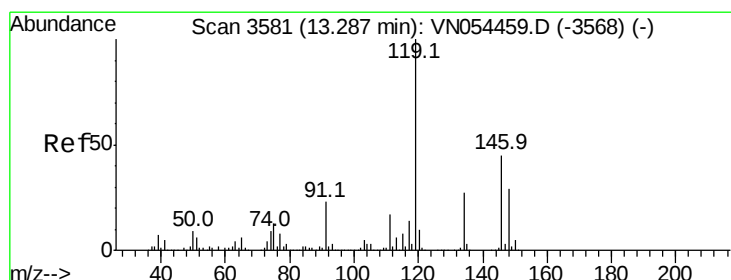
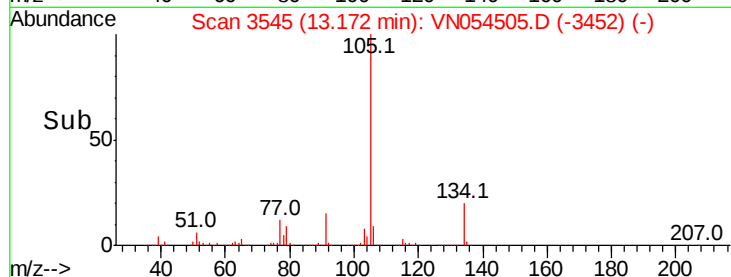
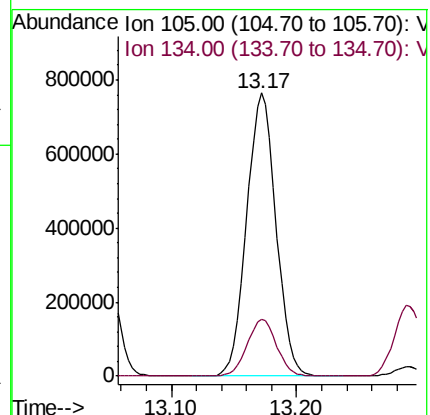
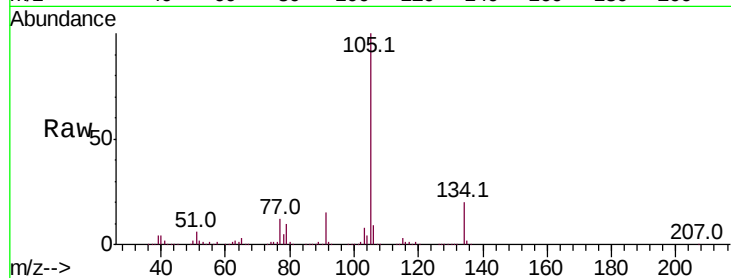
VSTDCCC050

Tot Ion:105 Resp: 1241193

Ion Ratio Lower Upper

105 100

134 20.2 10.7 32.1



#86

p-Isopropyltoluene

Concen: 51.916 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

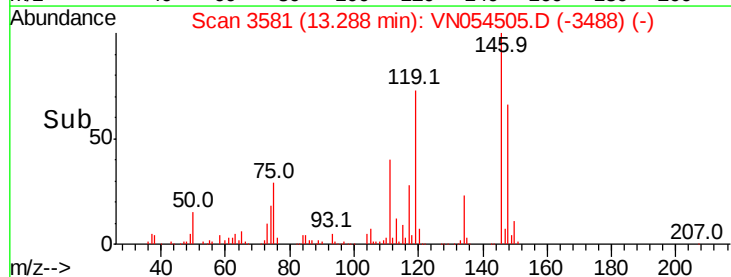
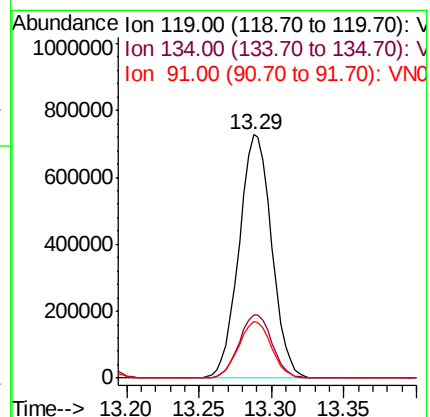
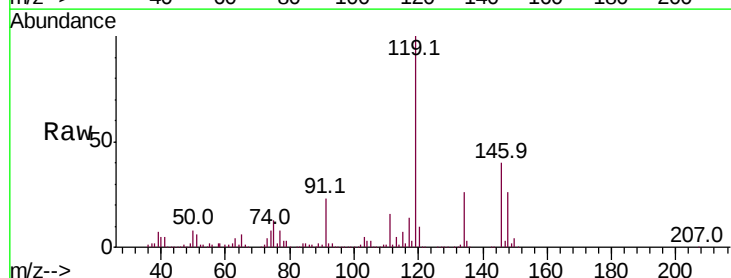
Tgt Ion:119 Resp: 1135248

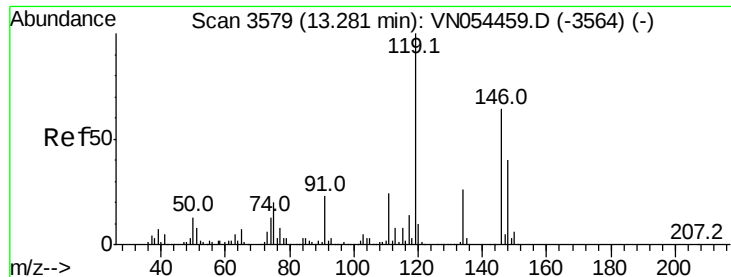
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.3 11.1 33.3

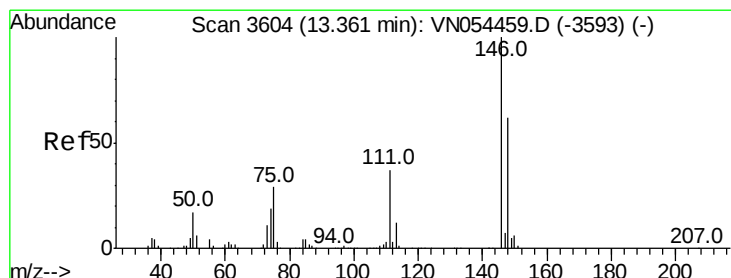
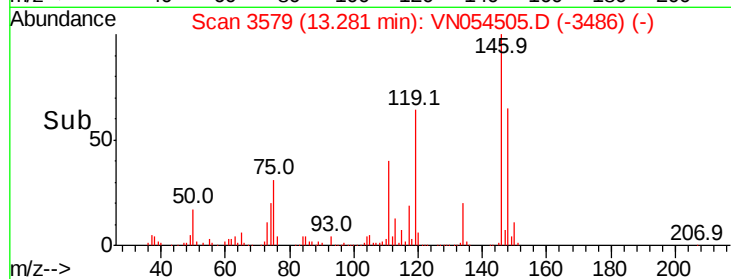
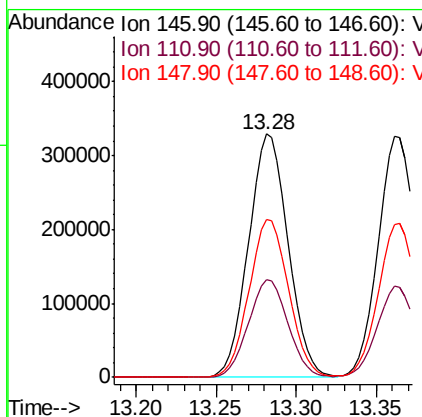
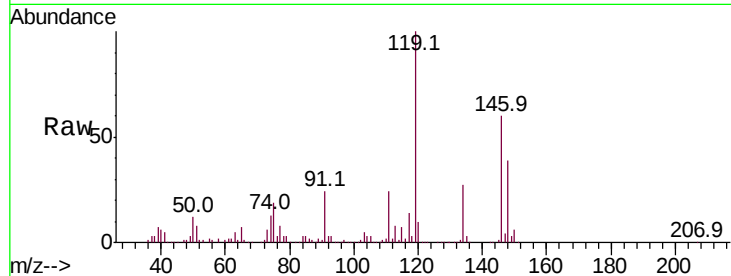




#87
 1,3-Dichlorobenzene
 Concen: 49.575 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

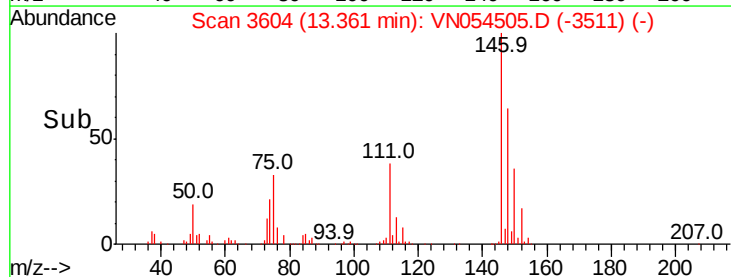
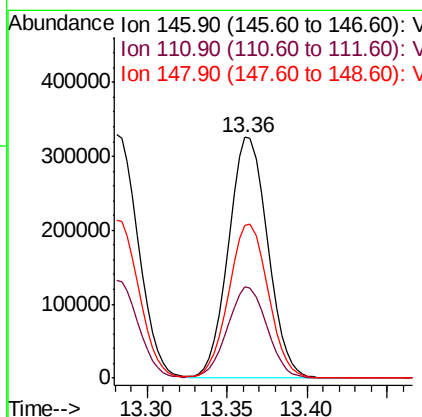
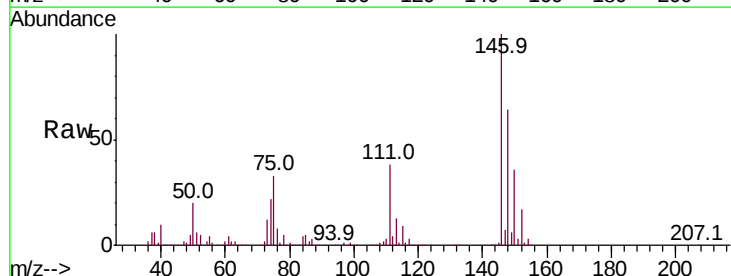
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

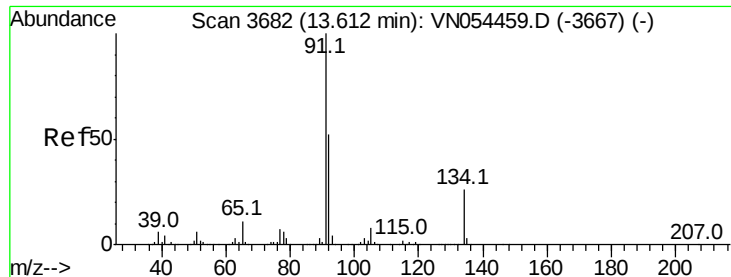
Tot Ion:146 Resp: 559982
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.8 56.3
 148 64.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.564 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Tgt Ion:146 Resp: 544726
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.1
 148 64.6 32.0 96.0

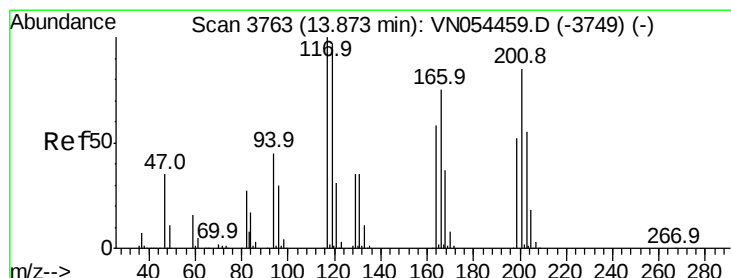
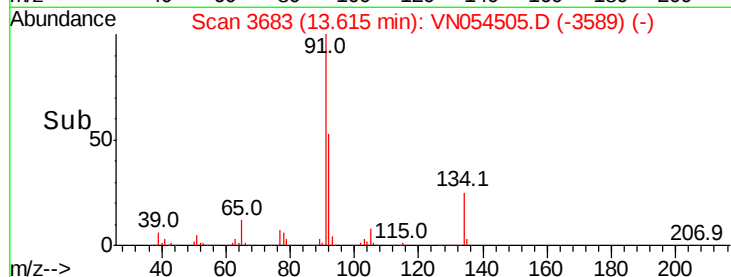
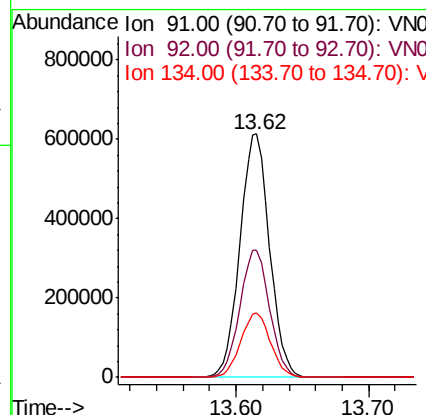
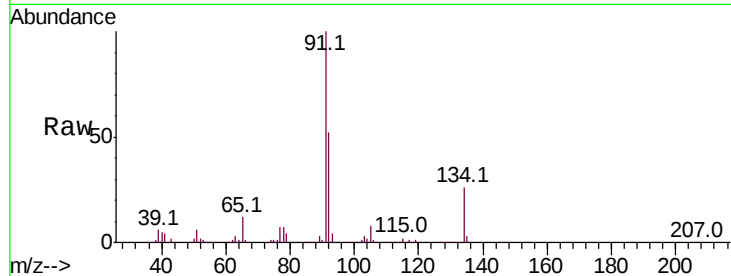




#89
n-Butylbenzene
Concen: 55.583 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

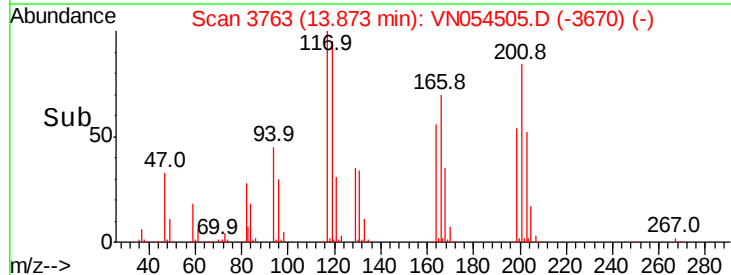
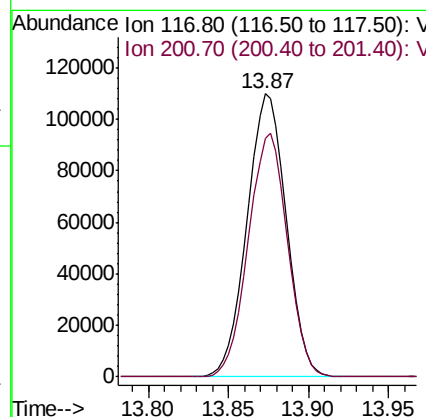
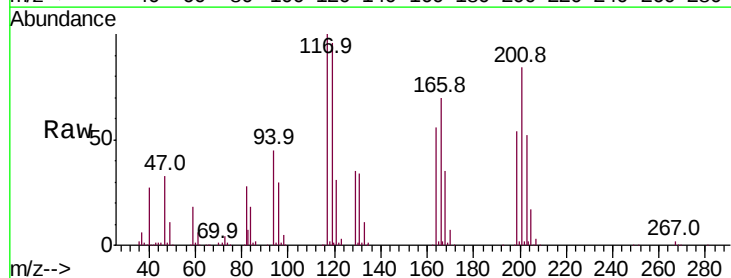
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

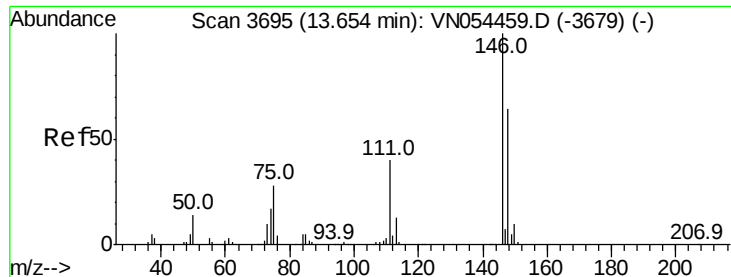
Tot Ion: 91 Resp: 950376
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 26.6 14.3 42.9



#90
Hexachloroethane
Concen: 54.155 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054505.D
Acq: 21 Mar 2019 11:57

Tgt Ion: 117 Resp: 183816
Ion Ratio Lower Upper
117 100
201 85.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 49.732 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

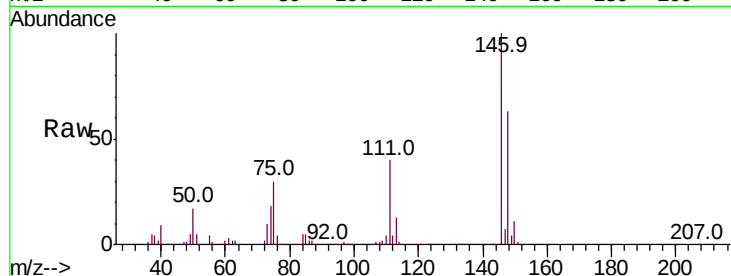
Tot Ion:146 Resp: 544119

Ion Ratio Lower Upper

146 100

111 41.0 19.1 57.3

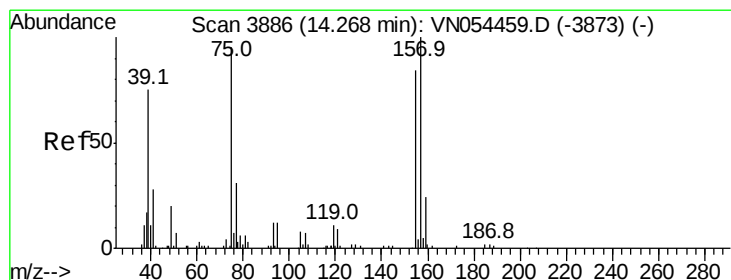
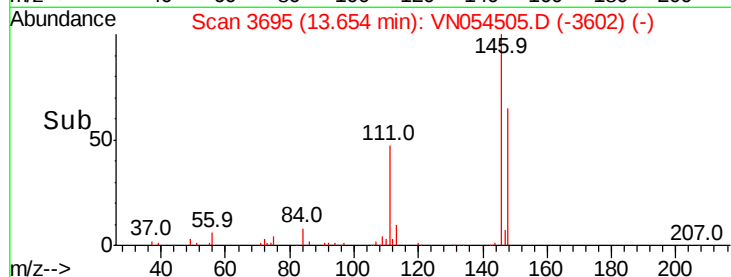
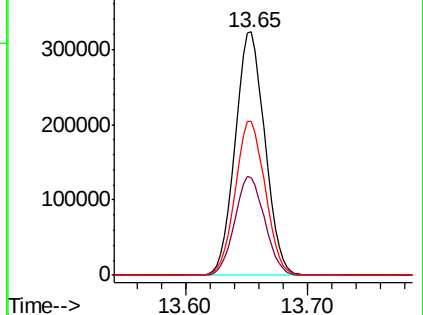
148 63.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.270 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

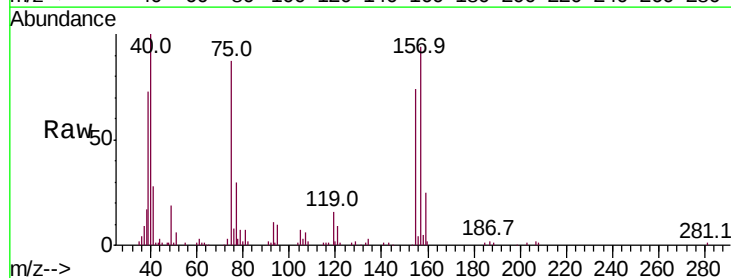
Tgt Ion: 75 Resp: 48100

Ion Ratio Lower Upper

75 100

155 86.1 50.1 150.3

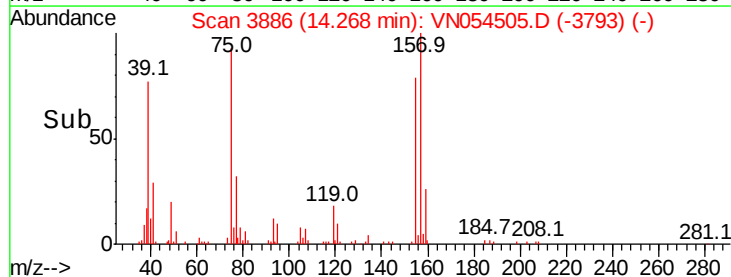
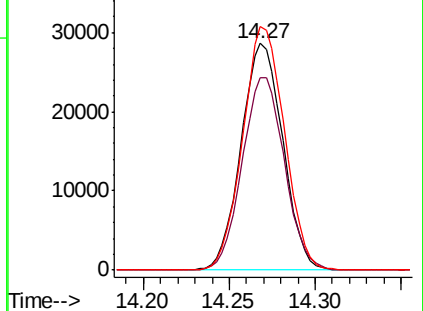
157 107.7 63.1 189.3

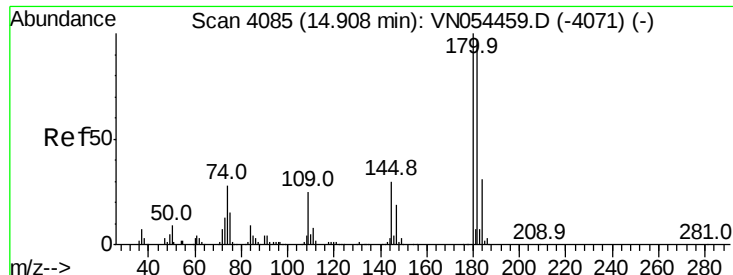


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

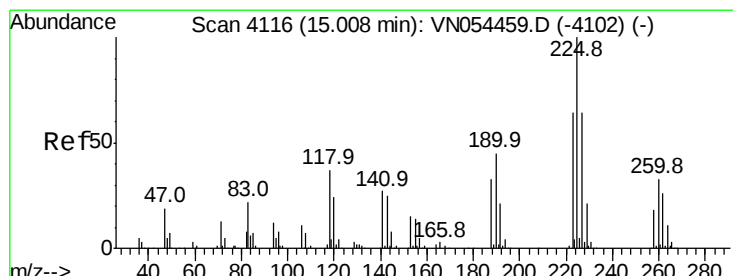
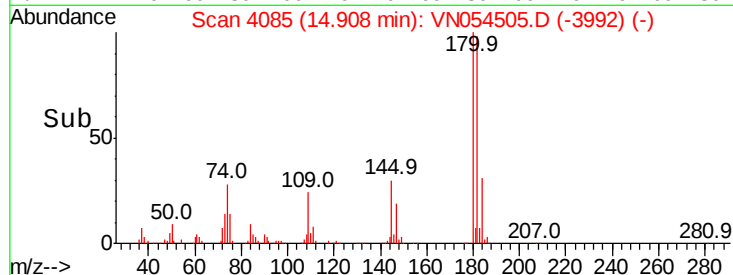
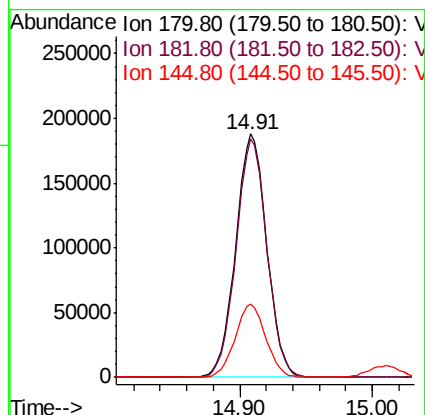
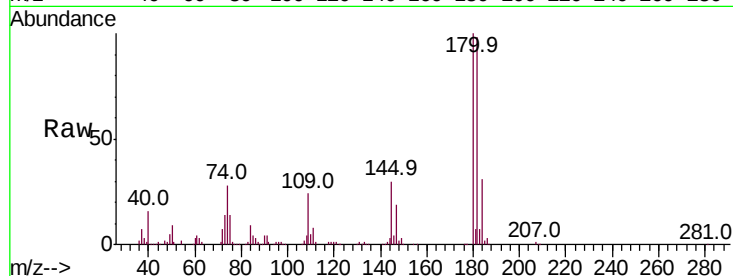




#93
 1,2,4-Trichlorobenzene
 Concen: 56.008 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

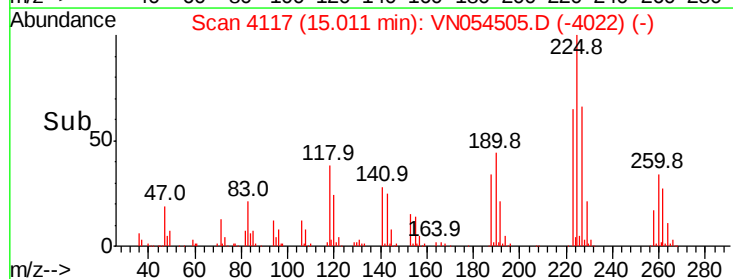
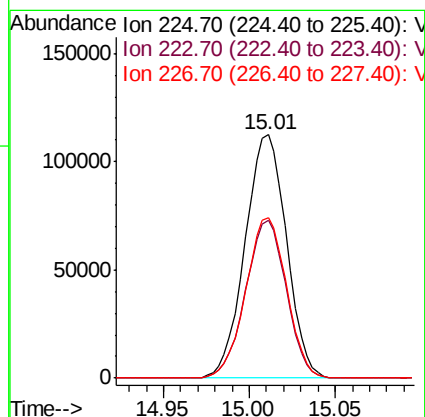
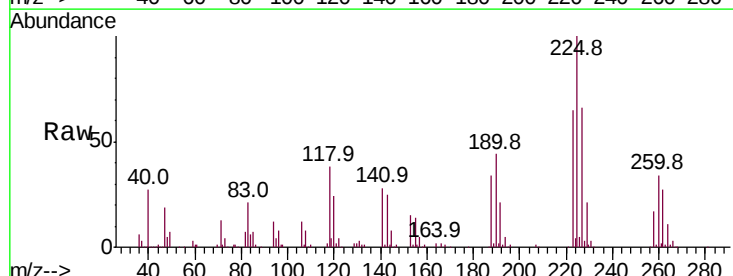
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

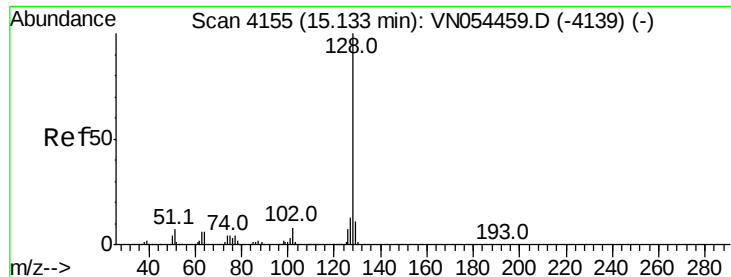
Tot Ion:180 Resp: 305476
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.0 144.2
 145 29.6 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 61.845 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054505.D
 Acq: 21 Mar 2019 11:57

Tgt Ion:225 Resp: 187717
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.5
 227 65.2 31.9 95.9





#95

Naphthalene

Concen: 53.977 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

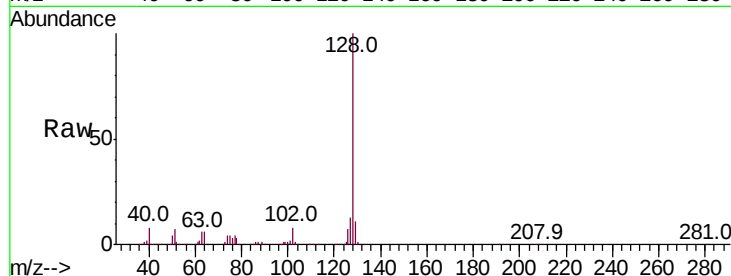
Tot Ion:128 Resp: 656665

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

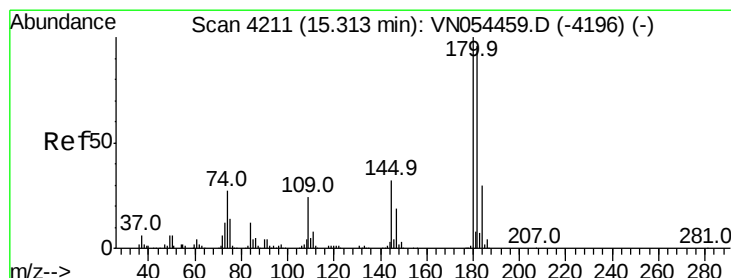
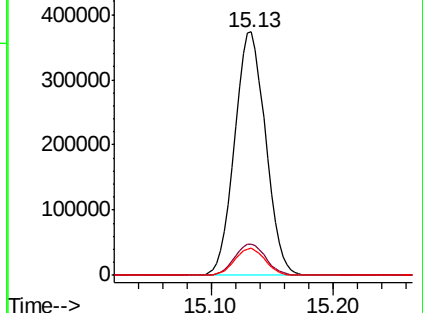
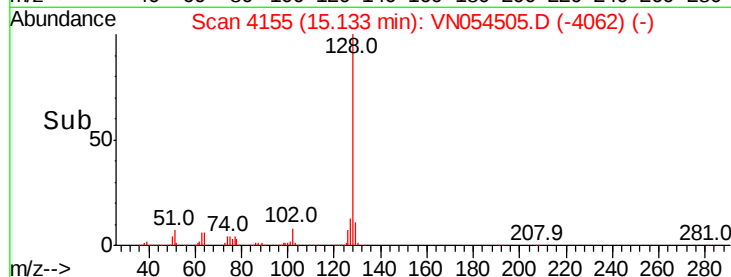
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.499 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054505.D

Acq: 21 Mar 2019 11:57

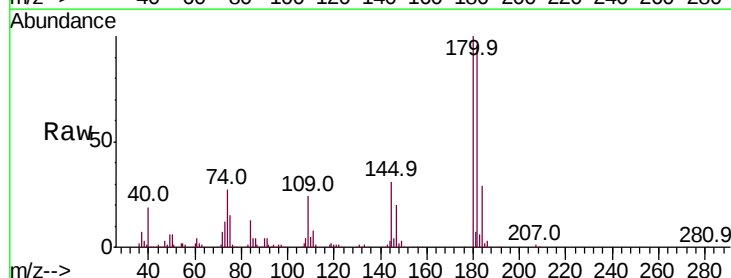
Tgt Ion:180 Resp: 295838

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 30.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

