

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057021.D
 Acq On : 31 Jul 2019 17:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 01 01:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	661854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	586485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	256494	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.58	113	233509	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	
50) Toluene-d8	10.08	98	891420	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	12.40	95	290580	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	237788	53.225	ug/l	97
3) Chloromethane	2.05	50	263183	49.196	ug/l	99
4) Vinyl Chloride	2.18	62	249220	49.682	ug/l	99
5) Bromomethane	2.54	94	142633	45.738	ug/l	99
6) Chloroethane	2.69	64	136878	49.500	ug/l	99
7) Trichlorofluoromethane	3.00	101	337722	51.432	ug/l	97
8) Diethyl Ether	3.40	74	130124	52.950	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205631	50.510	ug/l	98
10) Methyl Iodide	3.94	142	294587	54.153	ug/l	99
11) Tert butyl alcohol	4.77	59	169599	277.367	ug/l	99
12) 1,1-Dichloroethene	3.72	96	198348	51.062	ug/l	99
13) Acrolein	3.60	56	72719	231.653	ug/l	99
14) Allyl chloride	4.31	41	325852	51.569	ug/l	98
15) Acrylonitrile	4.97	53	496698	276.999	ug/l	99
16) Acetone	3.81	43	389015	237.372	ug/l	97
17) Carbon Disulfide	4.04	76	487821	47.261	ug/l	100
18) Methyl Acetate	4.31	43	272422	52.108	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	632435	54.603	ug/l	98
20) Methylene Chloride	4.54	84	233862	49.539	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	212189	51.434	ug/l	98
22) Diisopropyl ether	5.94	45	679854	52.220	ug/l	97
23) Vinyl Acetate	5.88	43	2449841	271.590	ug/l	99
24) 1,1-Dichloroethane	5.83	63	399491	52.008	ug/l	100
25) 2-Butanone	6.82	43	609439	262.251	ug/l	99
26) 2,2-Dichloropropane	6.81	77	294392	50.404	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	251031	51.447	ug/l	99
28) Bromochloromethane	7.18	49	192856	53.414	ug/l	99
29) Tetrahydrofuran	7.20	42	406948	268.399	ug/l	99
30) Chloroform	7.36	83	397887	50.662	ug/l	100
31) Cyclohexane	7.64	56	353834	47.602	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	334500	53.380	ug/l	99
36) 1,1-Dichloropropene	7.78	75	293554	50.406	ug/l	99
37) Ethyl Acetate	6.92	43	243948	52.300	ug/l	98
38) Carbon Tetrachloride	7.76	117	290135	52.667	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	361692	48.592	ug/l	99
40) Benzene	8.03	78	909255	50.690	ug/l	99
41) Methacrylonitrile	7.16	41	117493	54.488	ug/l	92
42) 1,2-Dichloroethane	8.11	62	291153	51.790	ug/l	98
43) Isopropyl Acetate	8.16	43	439232	56.973	ug/l #	89
44) Trichloroethene	8.83	130	250723	50.735	ug/l	100
45) 1,2-Dichloropropane	9.11	63	242493	50.541	ug/l	100
46) Dibromomethane	9.20	93	154212	53.296	ug/l	98
47) Bromodichloromethane	9.39	83	305419	53.687	ug/l	100
48) Methyl methacrylate	9.19	41	205650	55.251	ug/l	100
49) 1,4-Dioxane	9.19	88	83864	1093.339	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1238703	270.420	ug/l	99
52) Toluene	10.15	92	566081	52.526	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	314652	53.300	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	365209	53.206	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	224064	51.843	ug/l	99
56) Ethyl methacrylate	10.42	69	327046	50.103	ug/l	100
57) 1,3-Dichloropropane	10.70	76	371548	51.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	593041	228.978	ug/l	99
59) 2-Hexanone	10.74	43	869723	246.586	ug/l	99
60) Dibromochloromethane	10.89	129	243672	55.031	ug/l	98
61) 1,2-Dibromoethane	11.00	107	231403	54.864	ug/l	99
64) Tetrachloroethene	10.62	164	263222	52.082	ug/l	98
65) Chlorobenzene	11.43	112	608837	50.934	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	235856	52.423	ug/l	99
67) Ethyl Benzene	11.51	91	1062407	51.426	ug/l	99
68) m/p-Xylenes	11.62	106	803020	105.323	ug/l	99
69) o-Xylene	11.94	106	395311	52.996	ug/l	99
70) Styrene	11.96	104	656758	49.820	ug/l	100
71) Bromoform	12.12	173	175136	55.756	ug/l #	100
73) Isopropylbenzene	12.25	105	1050089	47.319	ug/l	100
74) N-amyl acetate	12.07	43	331304	51.415	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	294976	52.727	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	363489	69.704	ug/l #	100
77) Bromobenzene	12.52	156	279167	48.199	ug/l	99
78) n-propylbenzene	12.59	91	1145795	48.356	ug/l	99
79) 2-Chlorotoluene	12.67	91	685206	46.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	886703	48.684	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87715	54.044	ug/l	98
82) 4-Chlorotoluene	12.77	91	674880	49.427	ug/l	100
83) tert-Butylbenzene	12.99	119	772747	47.927	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	863141	49.251	ug/l	99
85) sec-Butylbenzene	13.17	105	997073	47.943	ug/l	99
86) p-Isopropyltoluene	13.29	119	910900	49.333	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	439662	49.904	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	423519	49.935	ug/l	100
89) n-Butylbenzene	13.61	91	711036	49.966	ug/l	99
90) Hexachloroethane	13.87	117	153585	48.307	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	436091	50.293	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47675	54.014	ug/l	98

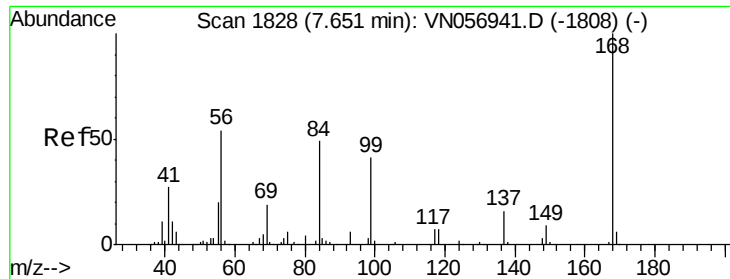
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	193537	43.631	ug/l	99
94) Hexachlorobutadiene	15.00	225	164983	54.788	ug/l	99
95) Naphthalene	15.12	128	503478	46.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	216464	47.974	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

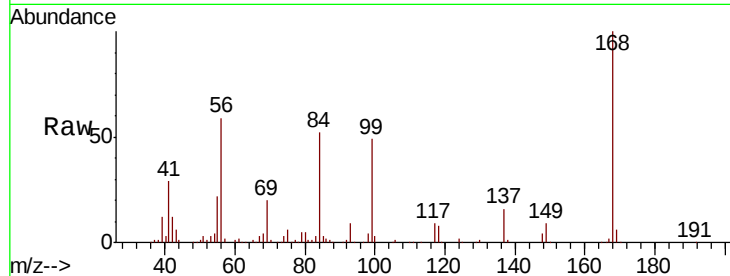
VSTDCCC050EC

Tot Ion:168 Resp: 441923

Ion Ratio Lower Upper

168 100

99 49.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

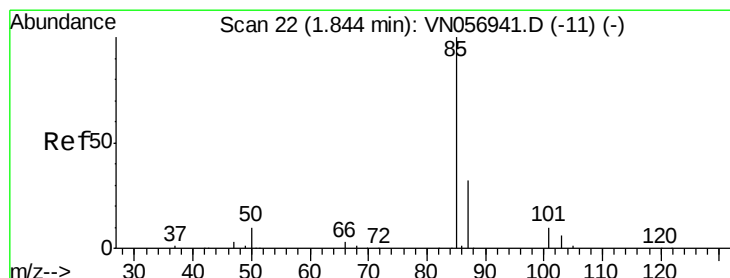
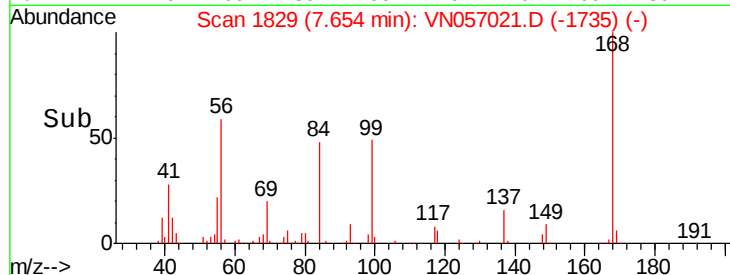
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 53.225 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057021.D

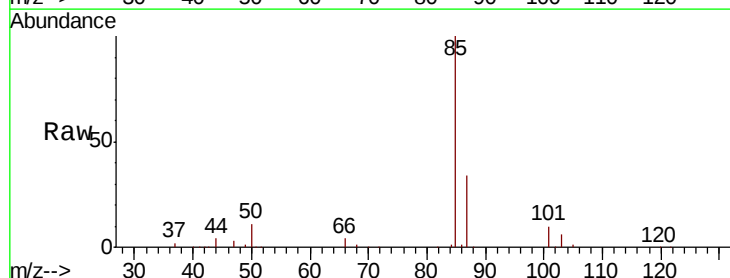
Acq: 31 Jul 2019 17:47

Tgt Ion: 85 Resp: 237788

Ion Ratio Lower Upper

85 100

87 33.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

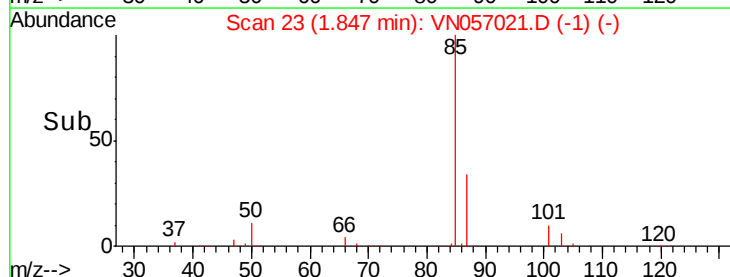
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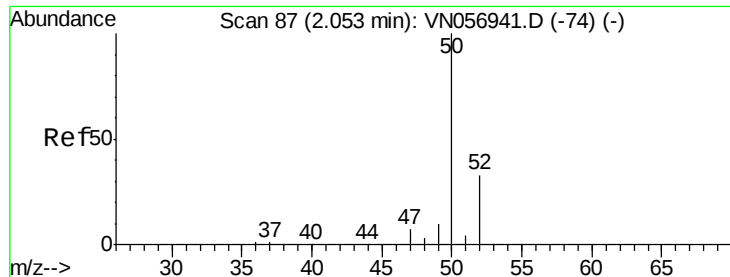
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.196 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

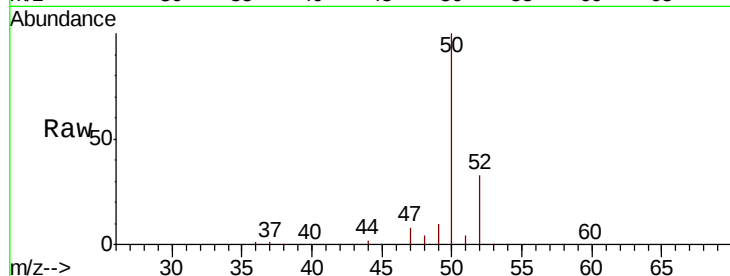
VSTDCCC050EC

Tot Ion: 50 Resp: 263183

Ion Ratio Lower Upper

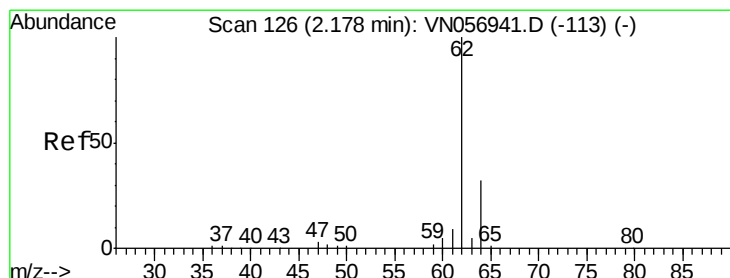
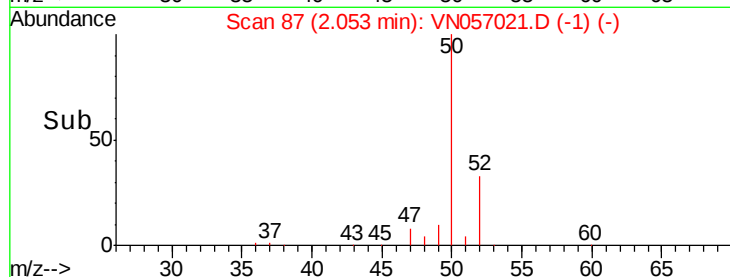
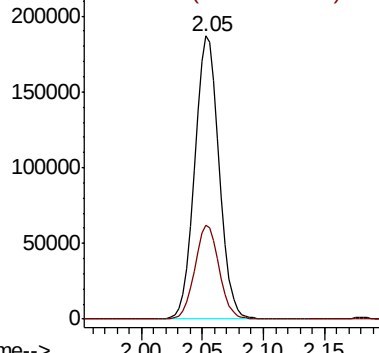
50 100

52 33.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 49.682 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057021.D

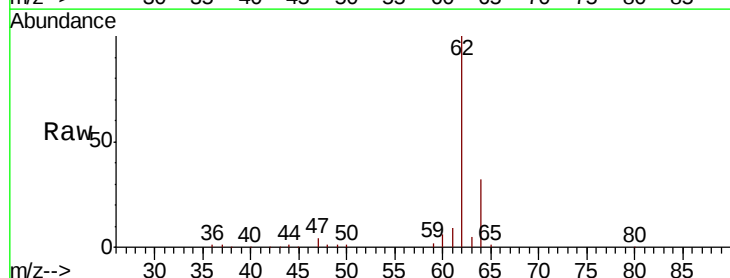
Acq: 31 Jul 2019 17:47

Tgt Ion: 62 Resp: 249220

Ion Ratio Lower Upper

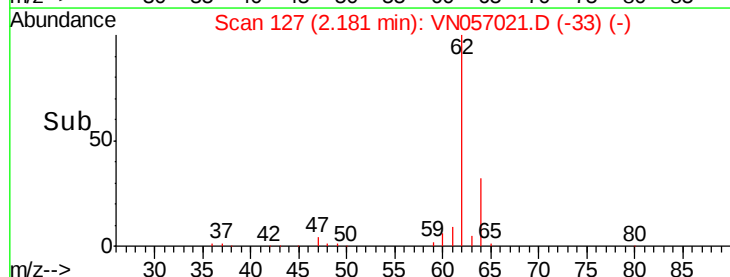
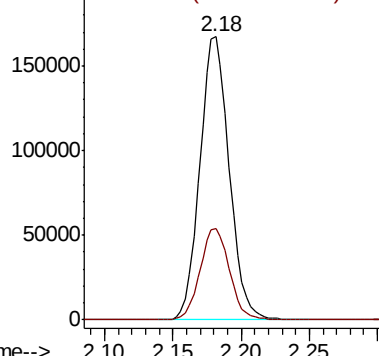
62 100

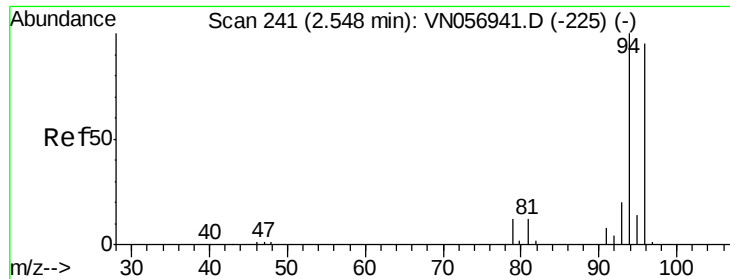
64 32.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

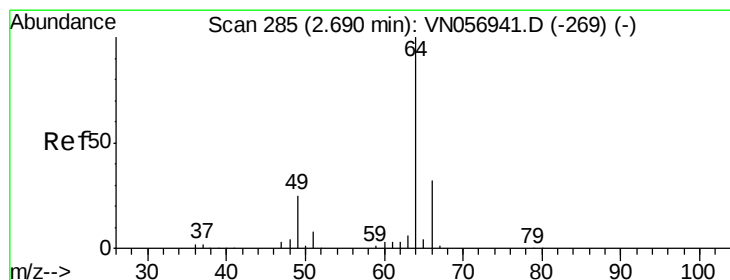
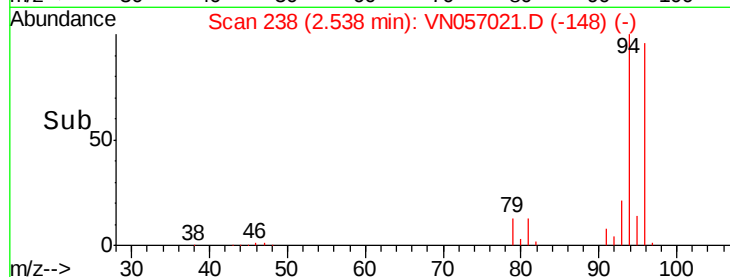
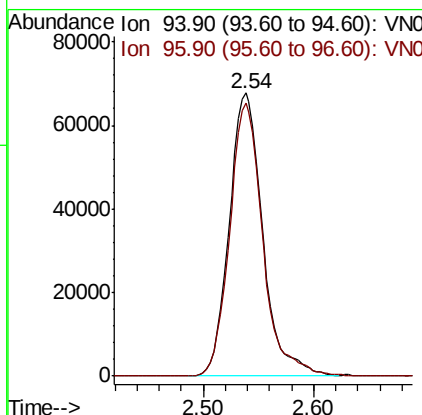
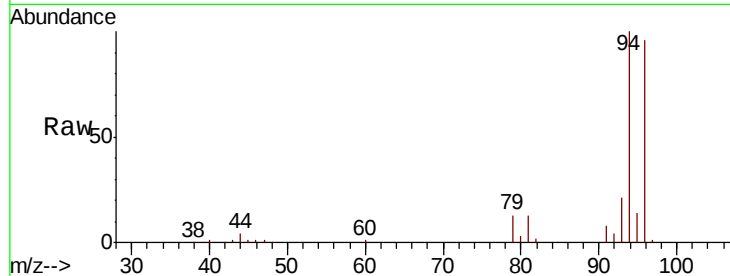




#5
Bromomethane
Concen: 45.738 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

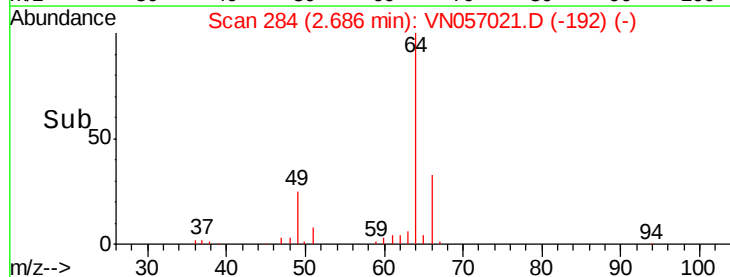
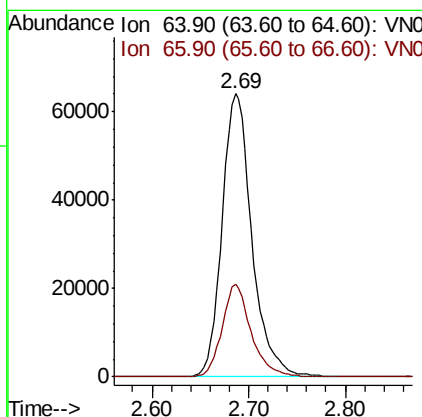
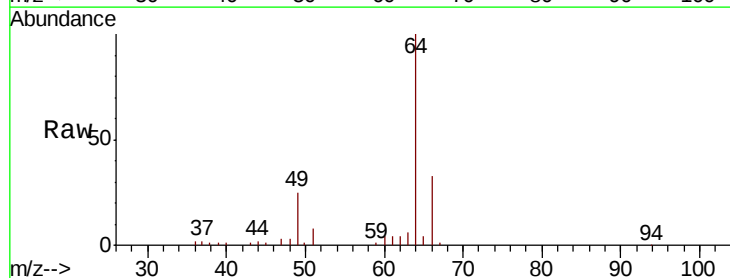
Instrument :
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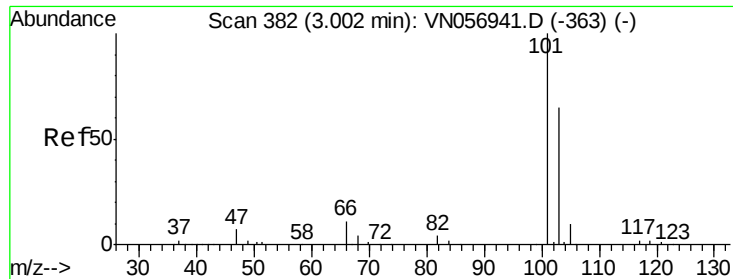
Tot Ion: 94 Resp: 142633
Ion Ratio Lower Upper
94 100
96 96.4 76.2 114.2



#6
Chloroethane
Concen: 49.500 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 64 Resp: 136878
Ion Ratio Lower Upper
64 100
66 32.9 25.8 38.8



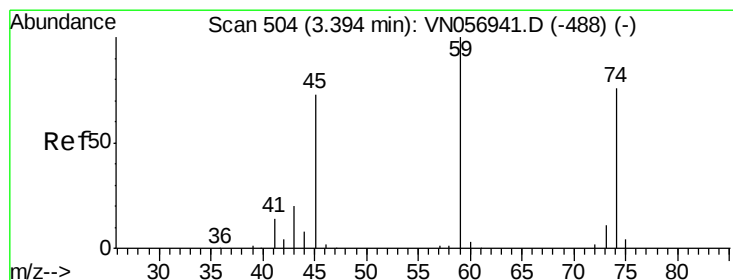
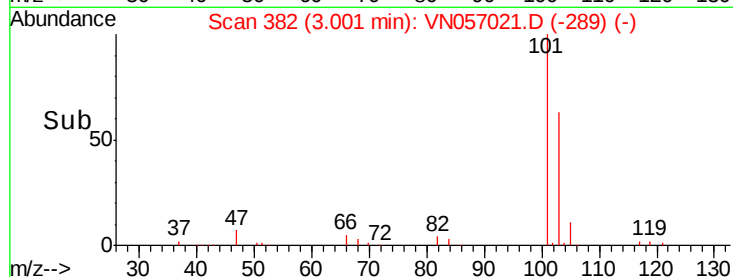
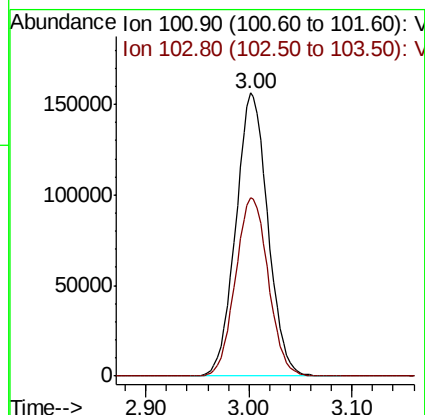
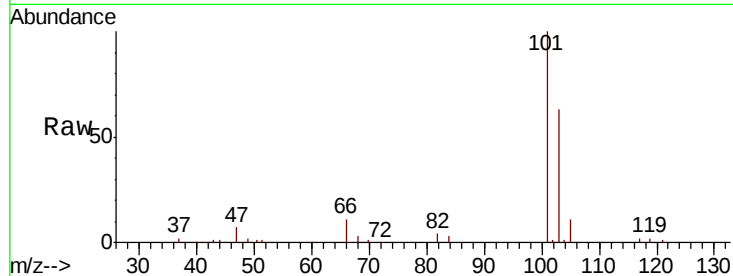


#7

Trichlorofluoromethane
 Concen: 51.432 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
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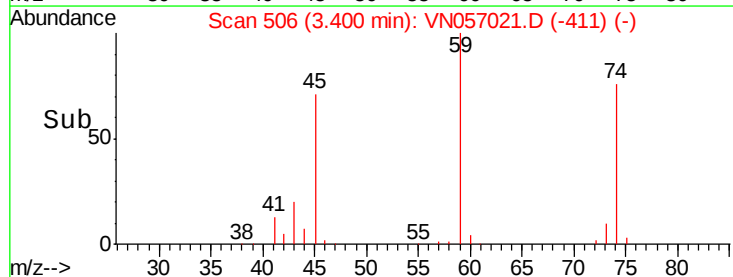
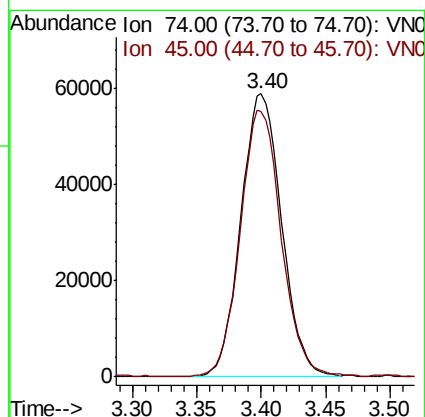
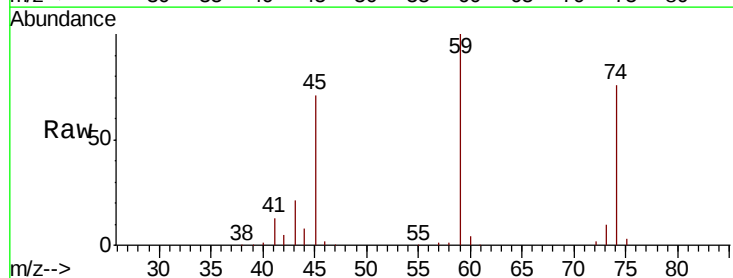
Tot Ion:101 Resp: 337722
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.1 78.1

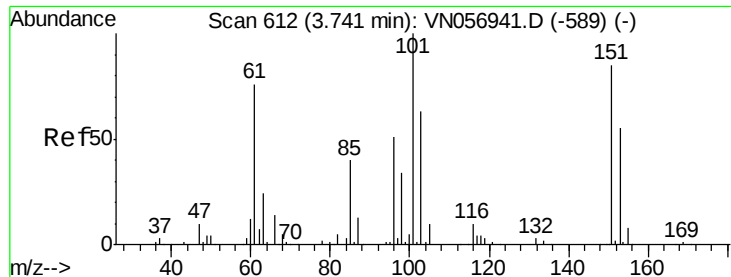


#8

Diethyl Ether
 Concen: 52.950 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion: 74 Resp: 130124
 Ion Ratio Lower Upper
 74 100
 45 94.9 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.510 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

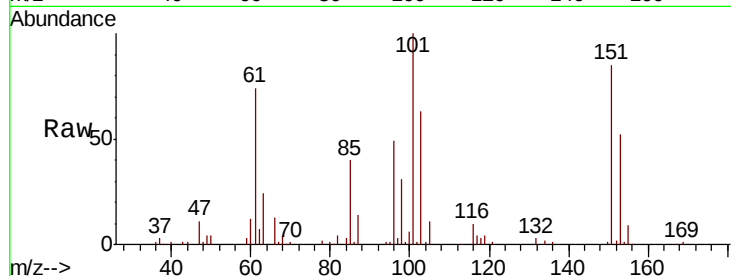
Tot Ion:101 Resp: 205631

Ion Ratio Lower Upper

101 100

85 41.0 32.3 48.5

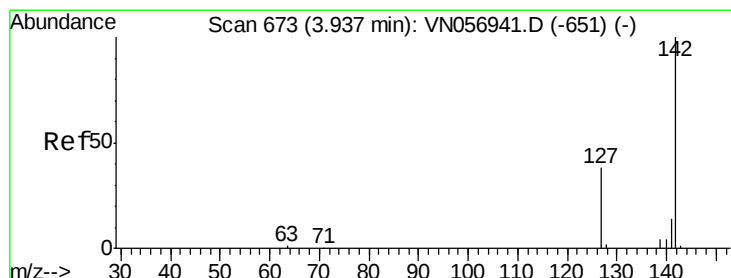
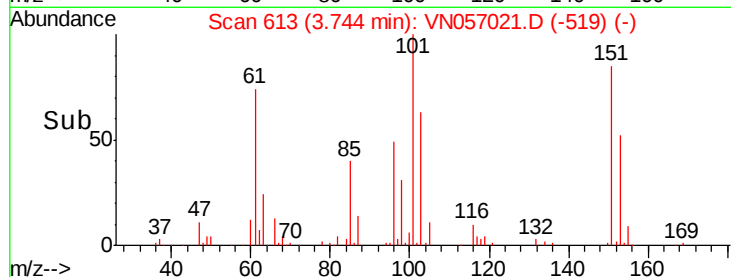
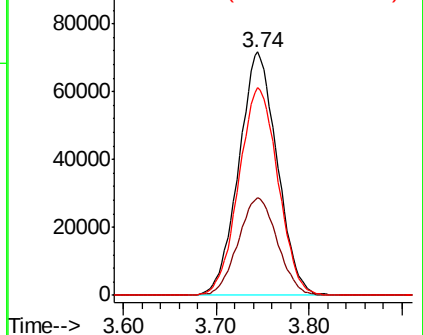
151 87.3 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.153 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

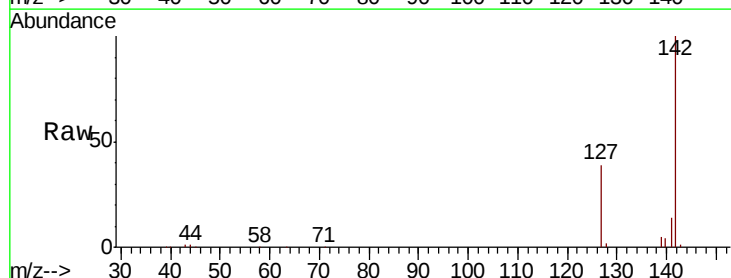
Tgt Ion:142 Resp: 294587

Ion Ratio Lower Upper

142 100

127 38.7 30.4 45.6

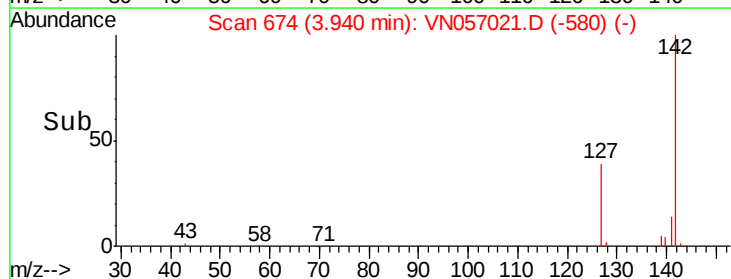
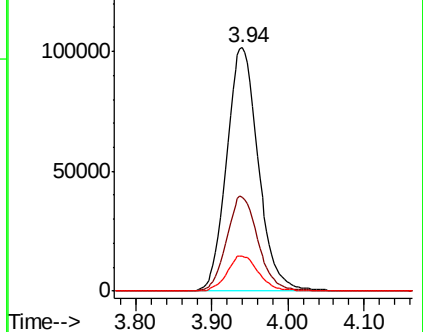
141 14.4 11.1 16.7

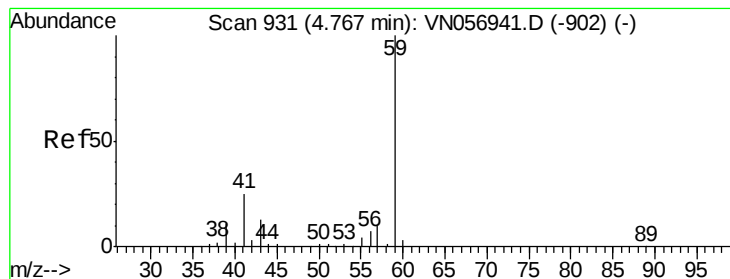


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



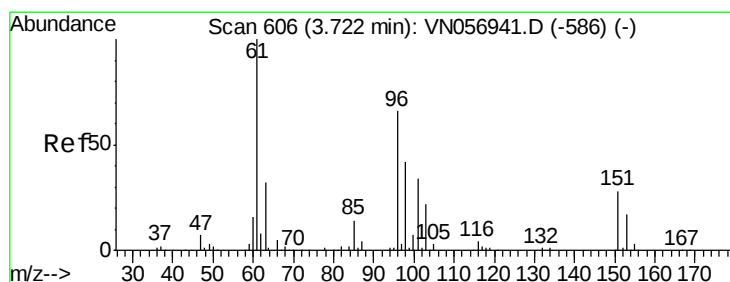
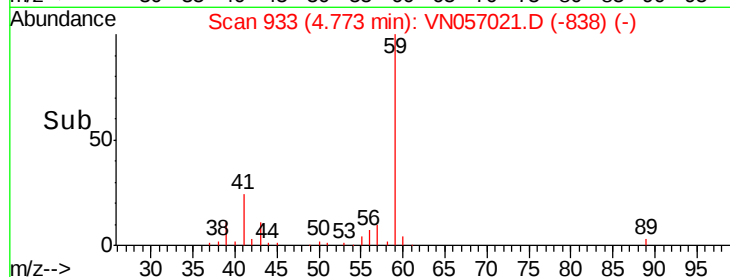
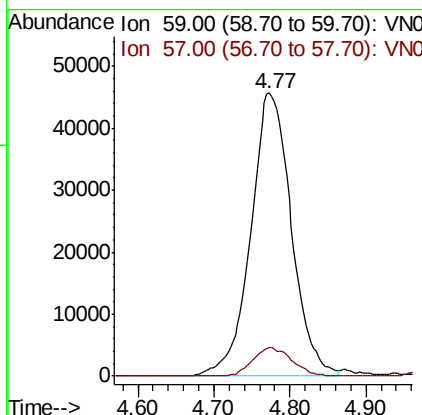
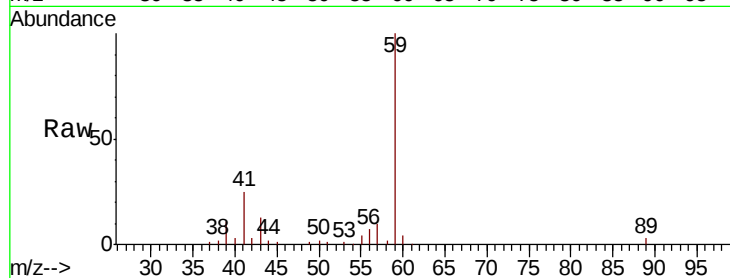


#11

Tert butyl alcohol
 Concen: 277.367 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

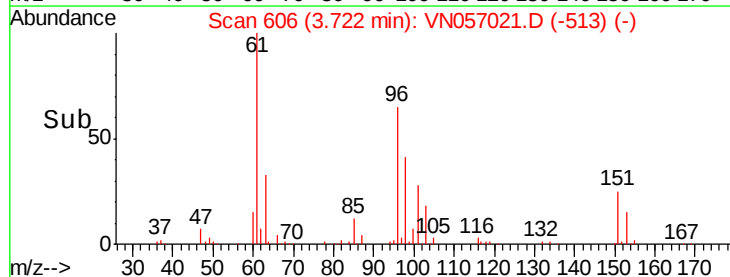
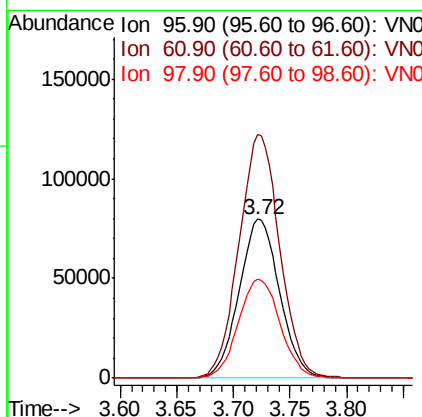
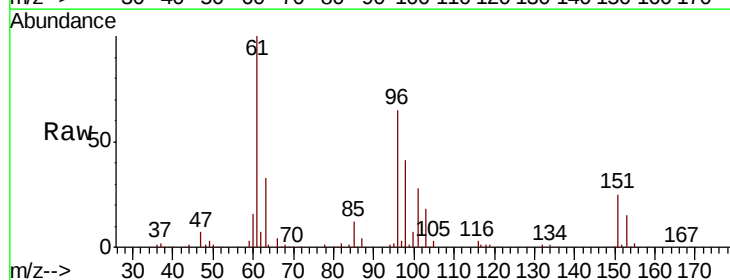
Tot Ion: 59 Resp: 169599
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.5 11.3

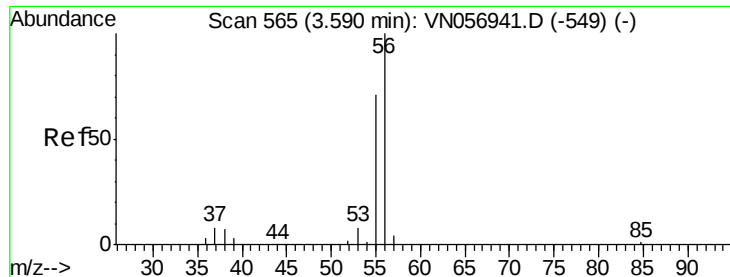


#12

1,1-Dichloroethene
 Concen: 51.062 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion: 96 Resp: 198348
 Ion Ratio Lower Upper
 96 100
 61 153.2 121.8 182.8
 98 62.3 51.7 77.5

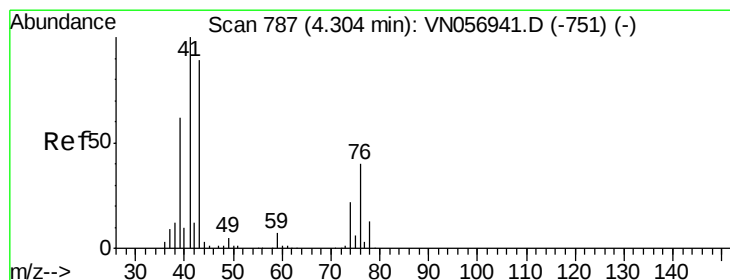
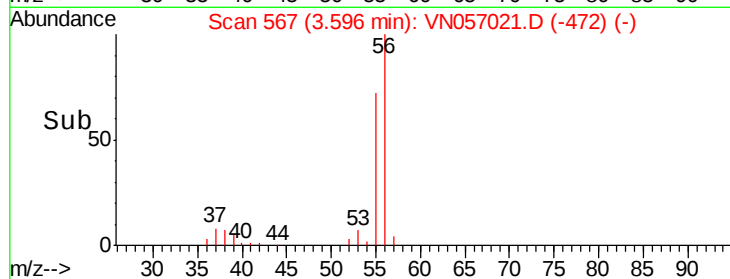
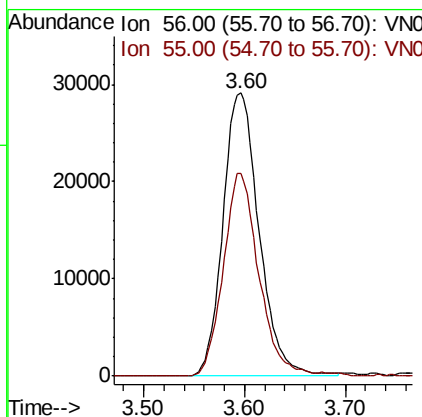
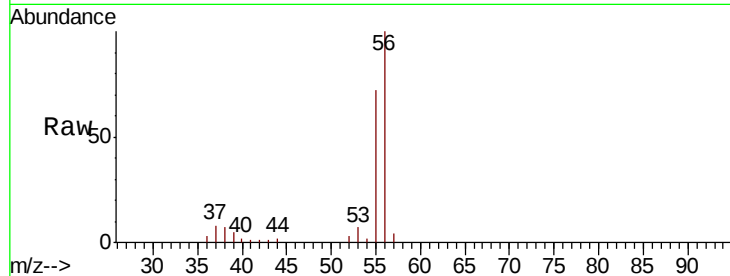




#13
Acrolein
Concen: 231.653 ug/l
RT: 3.60 min Scan# 567
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

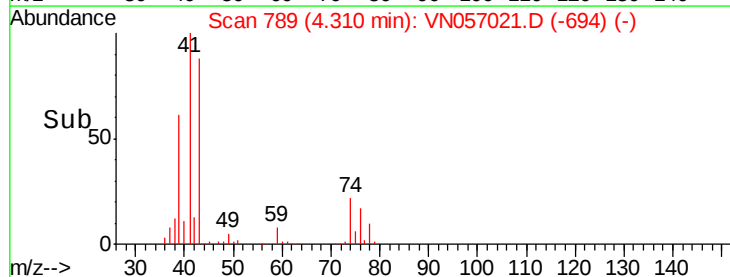
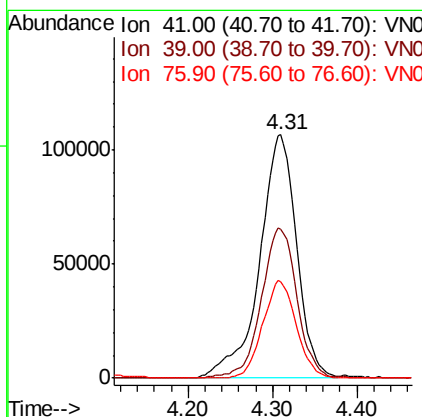
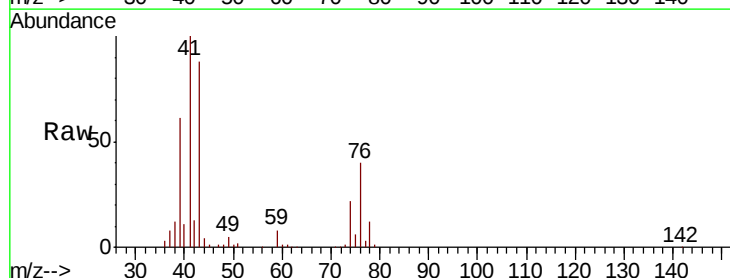
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

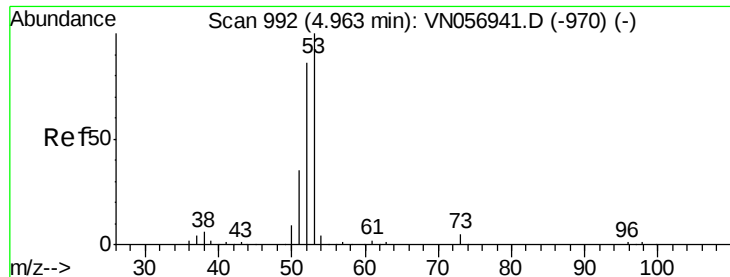
Tot Ion: 56 Resp: 72719
Ion Ratio Lower Upper
56 100
55 70.4 55.8 83.6



#14
Allyl chloride
Concen: 51.569 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 41 Resp: 325852
Ion Ratio Lower Upper
41 100
39 59.4 46.4 69.6
76 36.1 28.4 42.6





#15

Acrylonitrile

Concen: 276.999 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

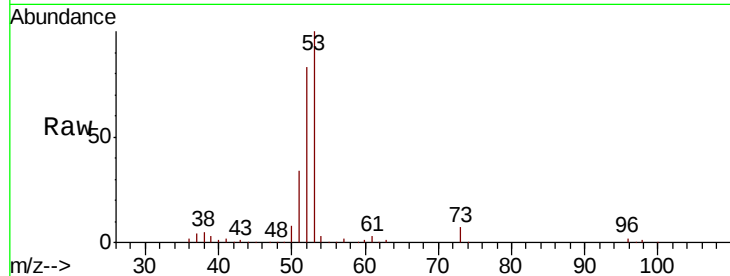
Tot Ion: 53 Resp: 496698

Ion Ratio Lower Upper

53 100

52 82.1 66.5 99.7

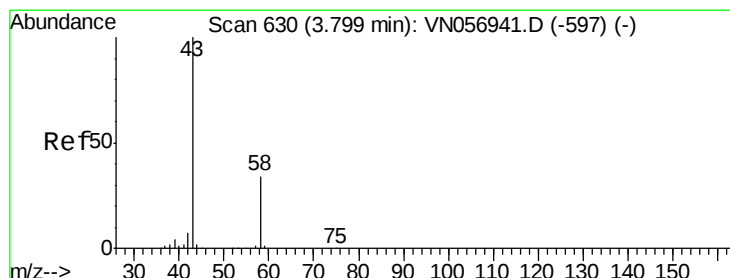
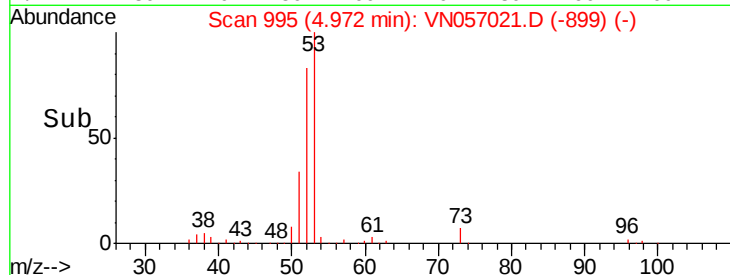
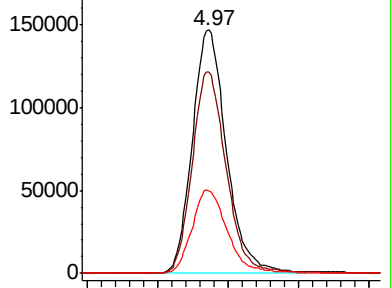
51 35.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056941.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN056941.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN056941.D (-970) (-)



#16

Acetone

Concen: 237.372 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057021.D

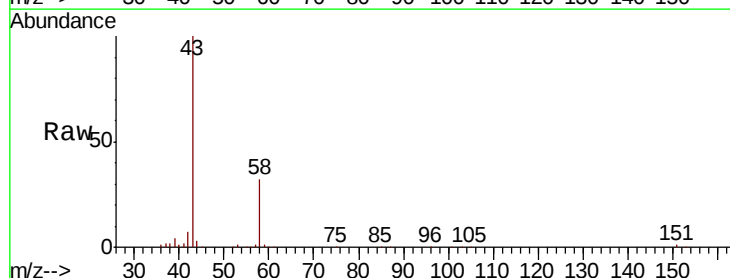
Acq: 31 Jul 2019 17:47

Tgt Ion: 43 Resp: 389015

Ion Ratio Lower Upper

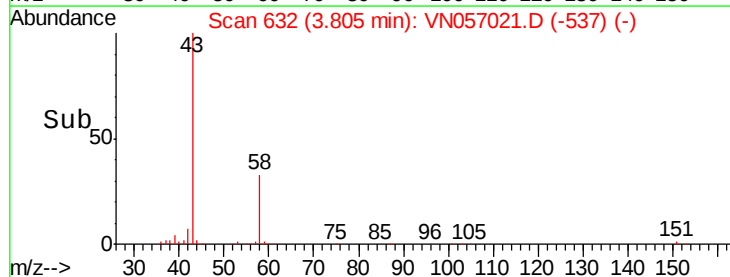
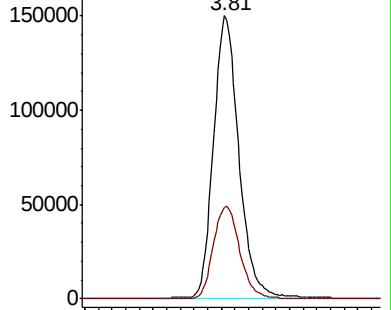
43 100

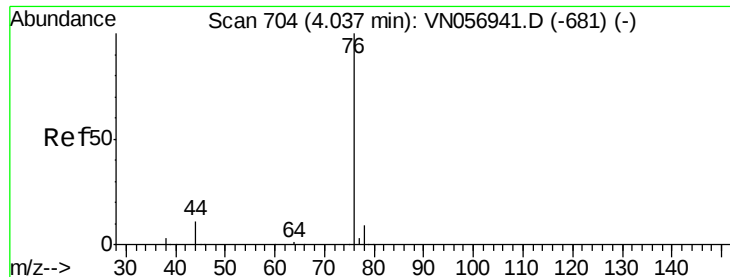
58 32.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-597) (-)

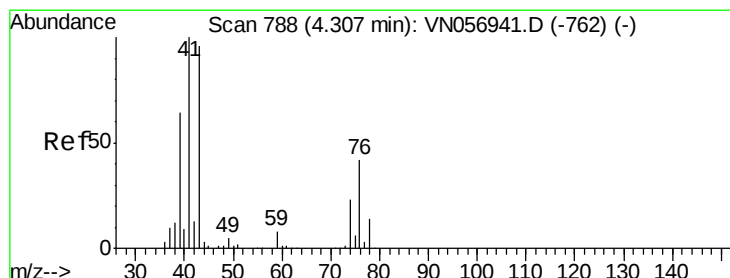
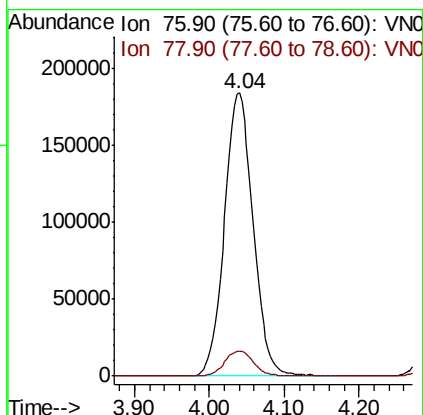
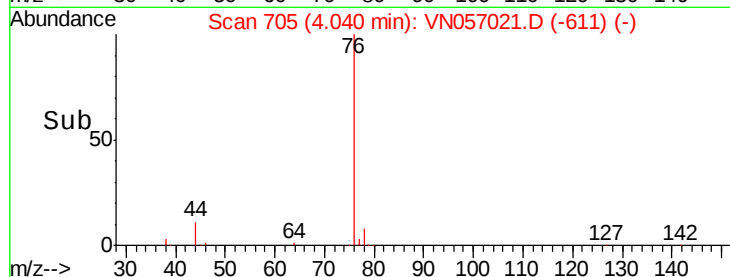
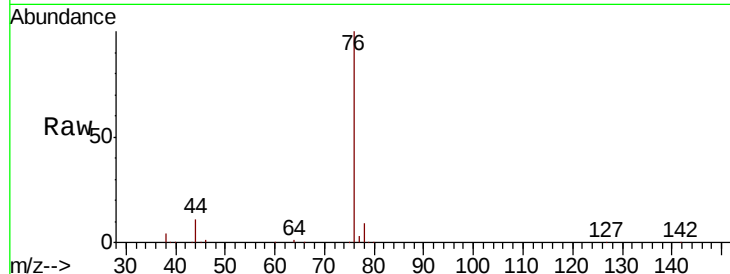




#17
Carbon Disulfide
Concen: 47.261 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

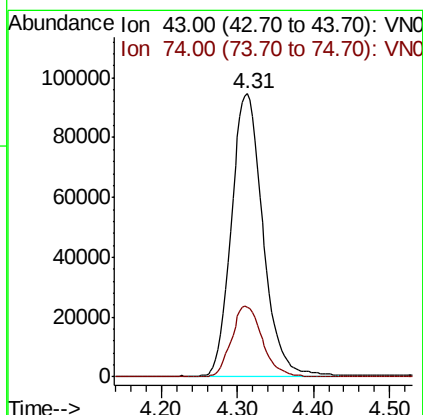
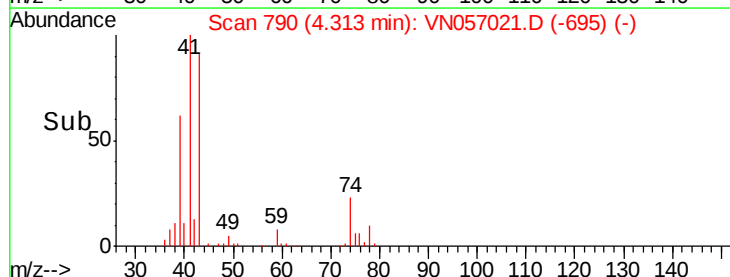
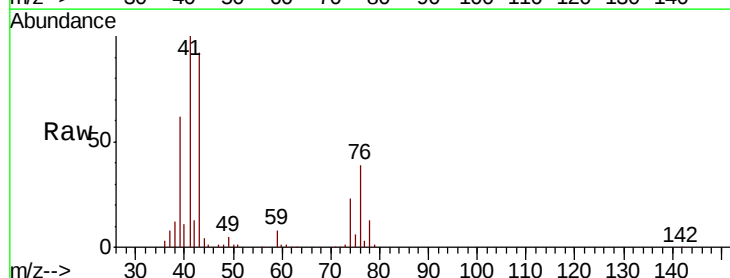
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

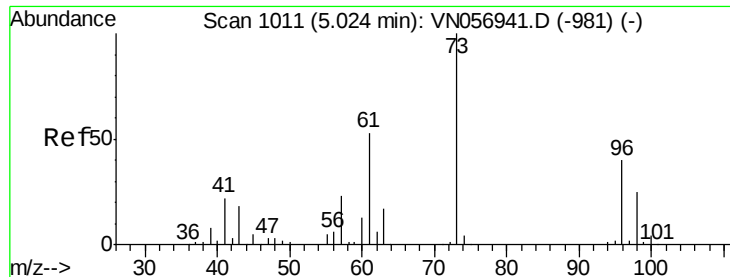
Tot Ion: 76 Resp: 487821
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 52.108 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 43 Resp: 272422
Ion Ratio Lower Upper
43 100
74 24.4 19.7 29.5

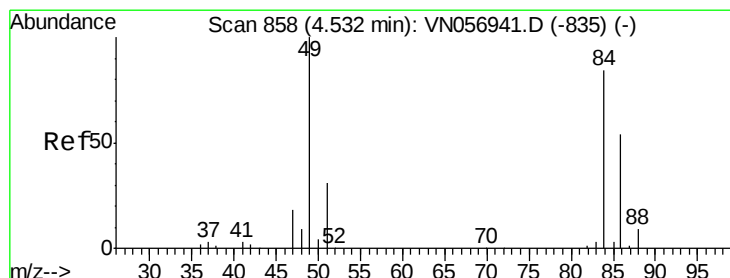
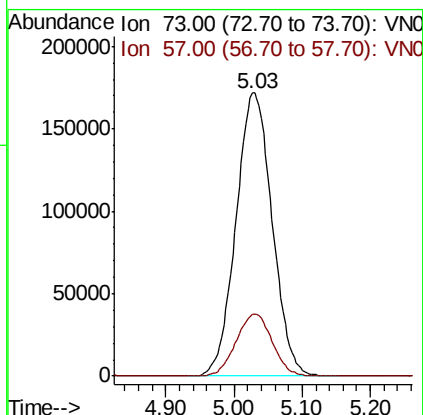
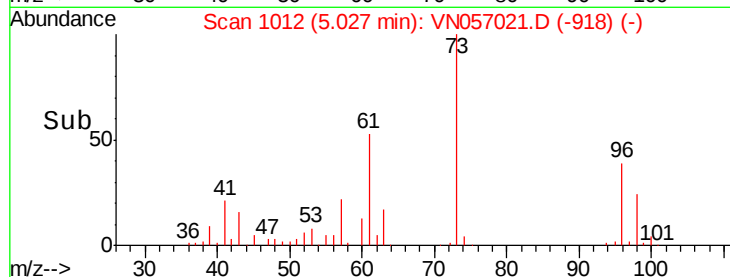
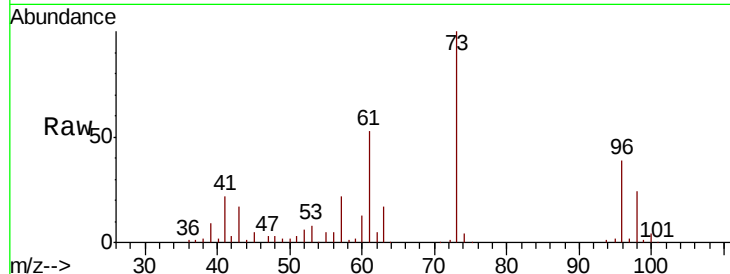




#19
Methvl tert-butvl Ether
Concen: 54.603 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

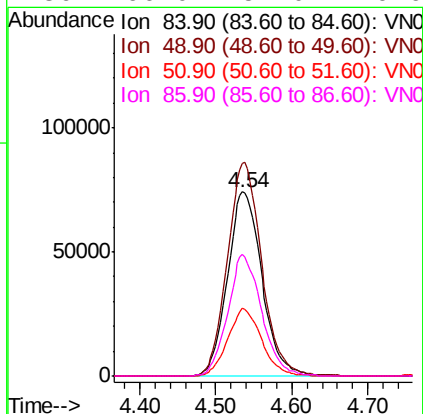
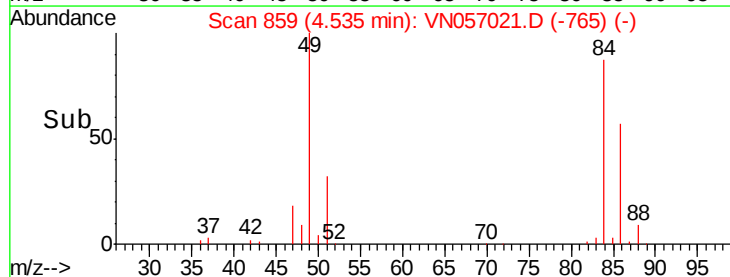
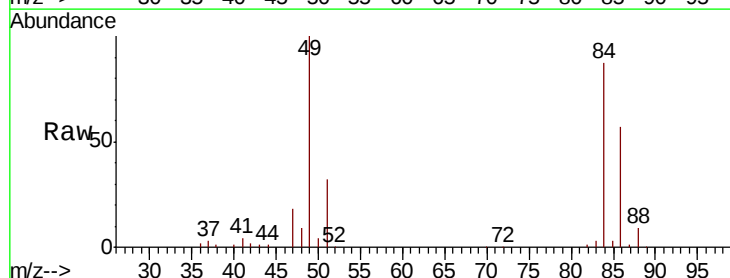
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

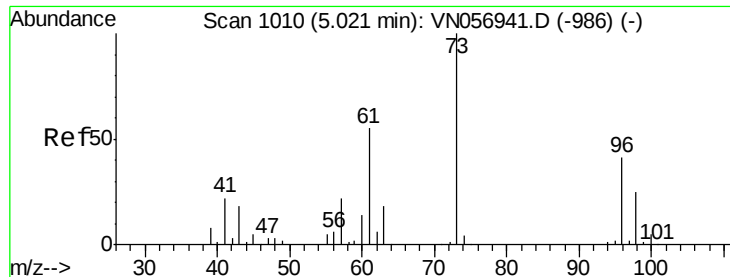
Tot Ion: 73 Resp: 632435
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5



#20
Methylene Chloride
Concen: 49.539 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 84 Resp: 233862
Ion Ratio Lower Upper
84 100
49 115.5 95.2 142.8
51 36.6 29.7 44.5
86 66.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.434 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

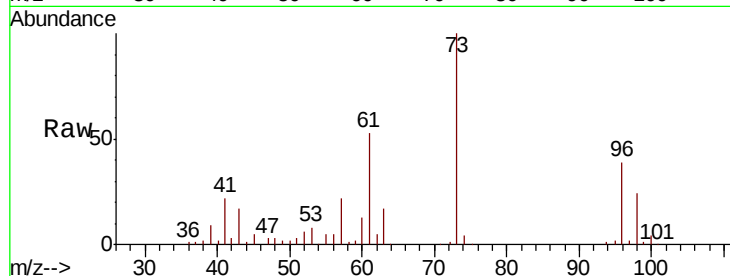
Tot Ion: 96 Resp: 212189

Ion Ratio Lower Upper

96 100

61 136.5 107.5 161.3

98 63.2 49.9 74.9

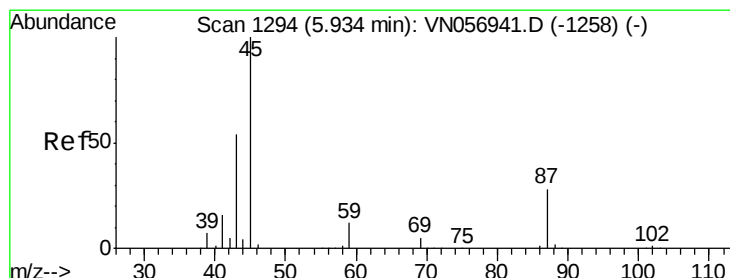
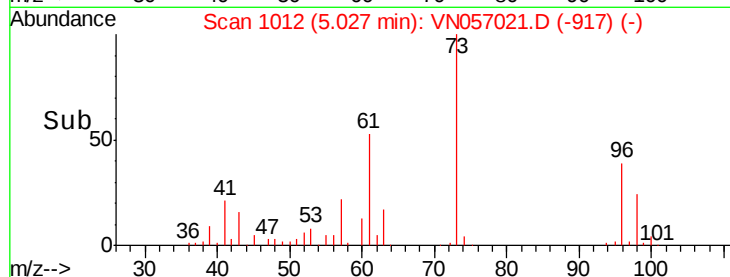
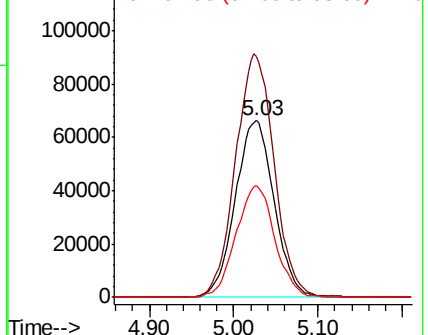


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.220 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion: 45 Resp: 679854

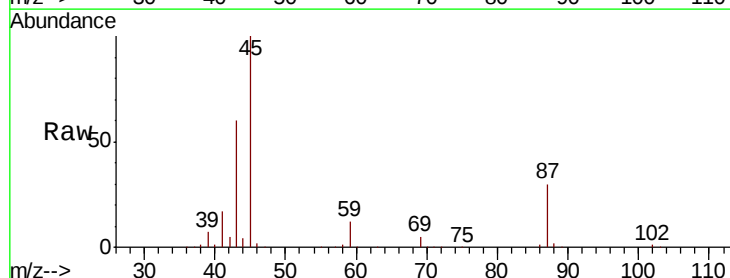
Ion Ratio Lower Upper

45 100

43 59.2 44.7 67.1

87 29.9 23.0 34.6

59 11.7 9.8 14.8



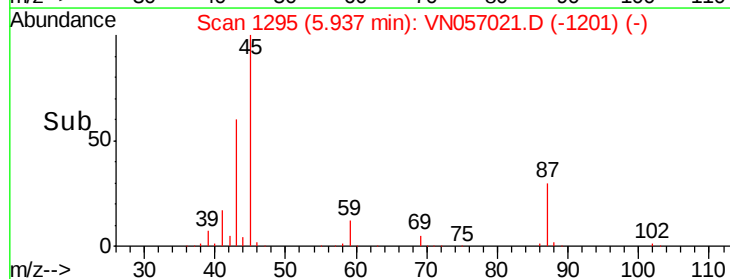
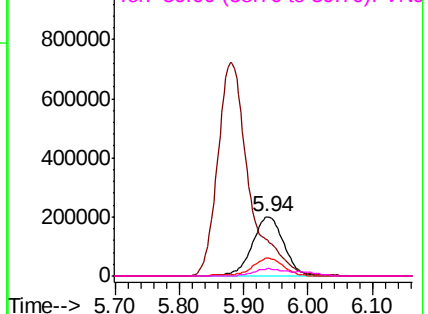
Abundance

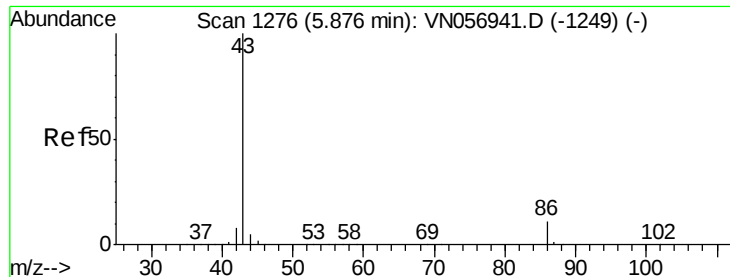
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 271.590 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

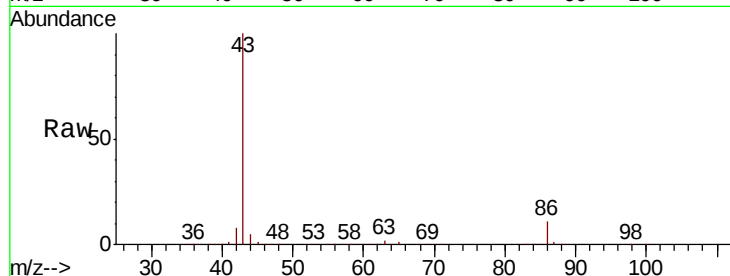
VSTDCCC050EC

Tot Ion: 43 Resp: 2449841

Ion Ratio Lower Upper

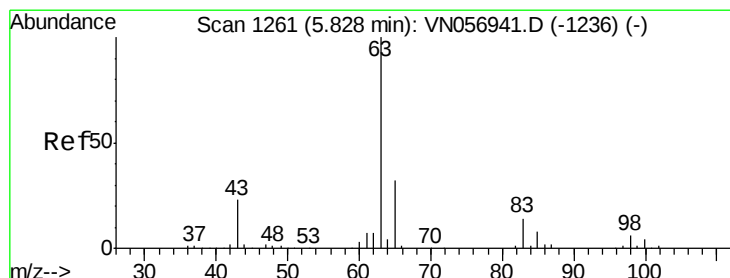
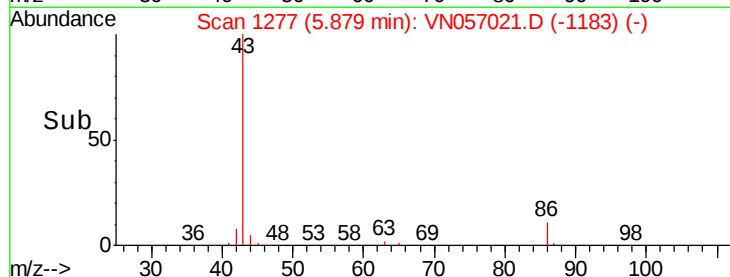
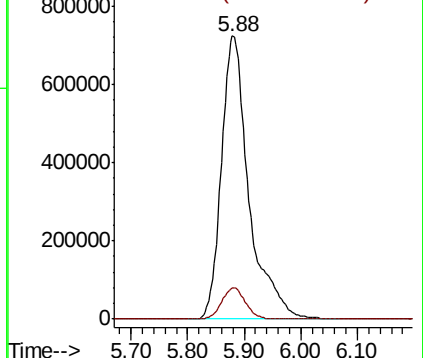
43 100

86 11.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.008 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

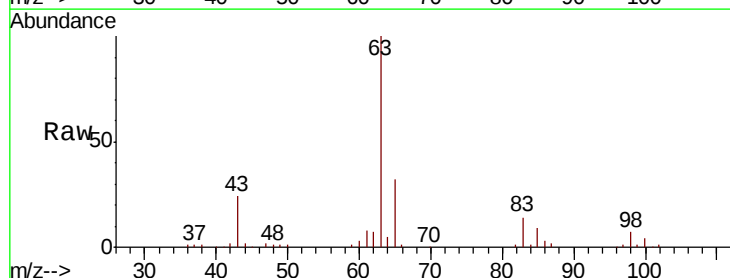
Tgt Ion: 63 Resp: 399491

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

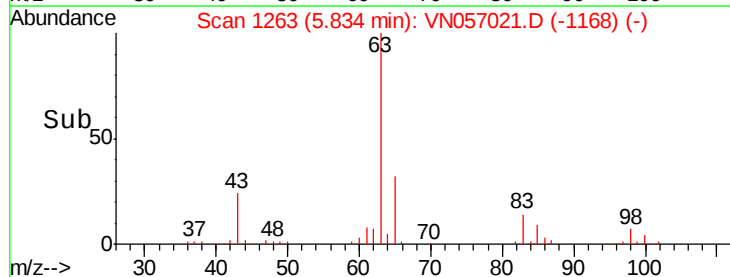
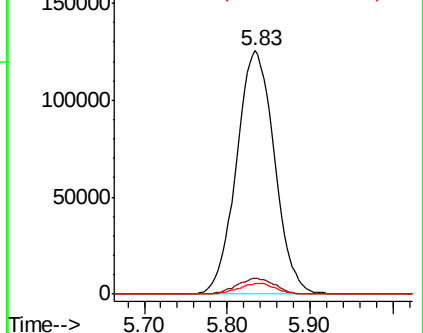
100 4.1 2.1 6.3

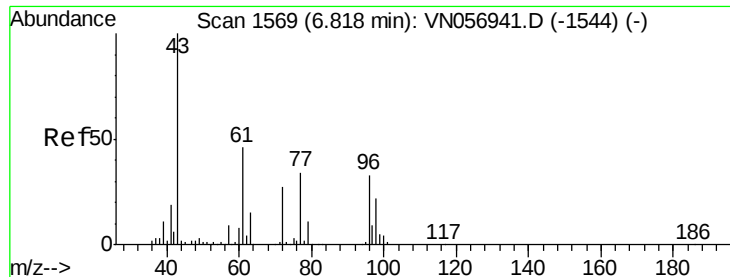


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 262.251 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

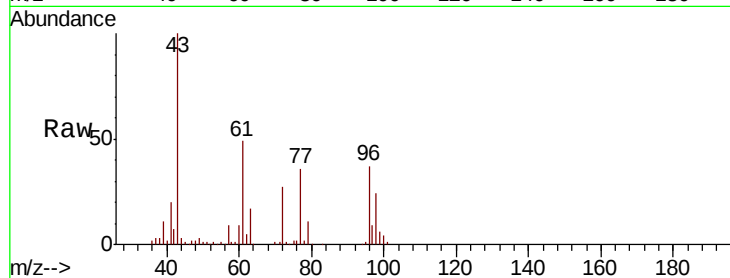
VSTDCCC050EC

Tot Ion: 43 Resp: 609439

Ion Ratio Lower Upper

43 100

72 27.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN056941.D (-1544) (-)

6.82

250000

200000

150000

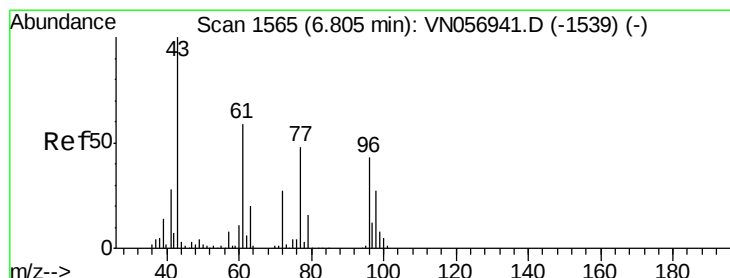
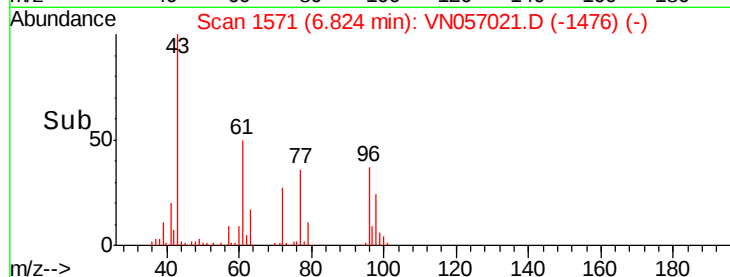
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 50.404 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN057021.D

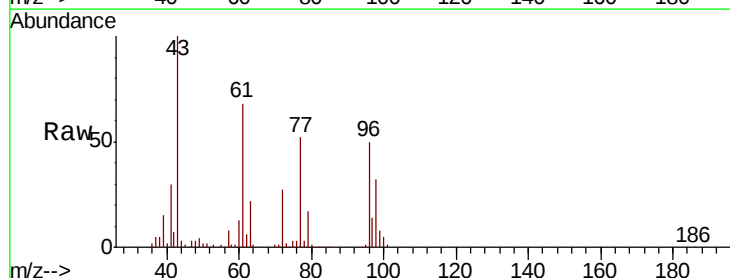
Acq: 31 Jul 2019 17:47

Tgt Ion: 77 Resp: 294392

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN056941.D (-1539) (-)

Ion 96.90 (96.60 to 97.60): VN056941.D (-1539) (-)

6.81

100000

80000

60000

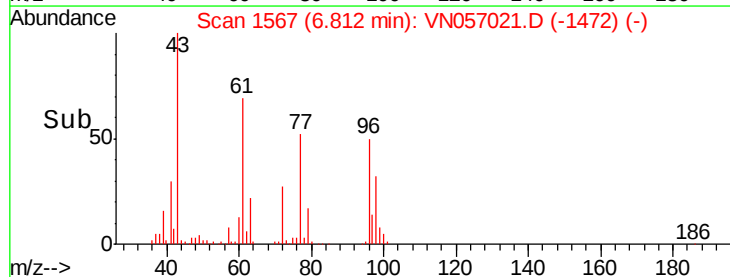
40000

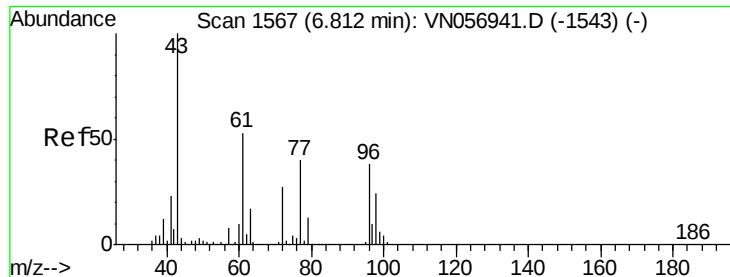
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.447 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

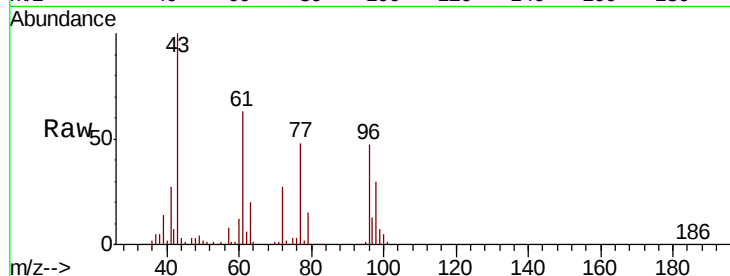
Tot Ion: 96 Resp: 251031

Ion Ratio Lower Upper

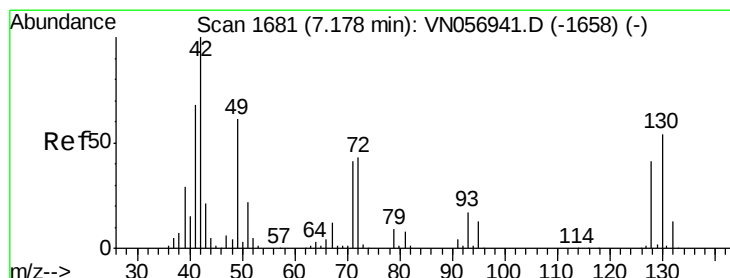
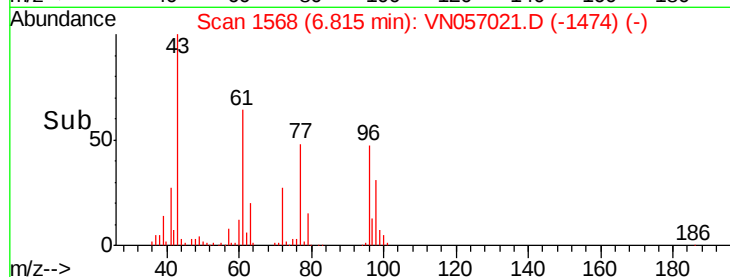
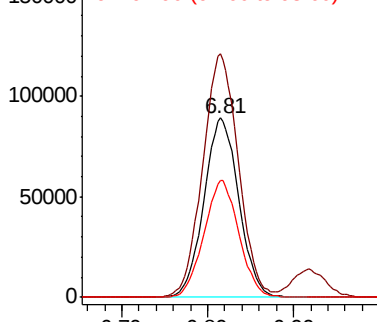
96 100

61 138.8 0.0 277.2

98 65.3 0.0 128.4



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: 53.414 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

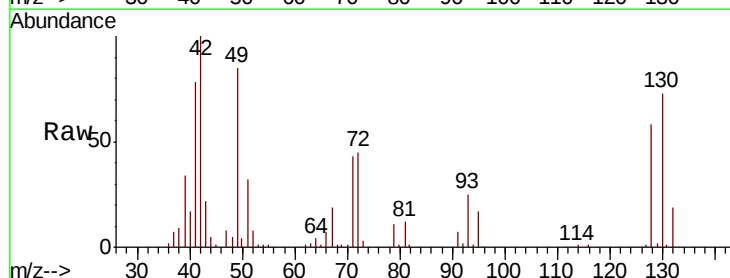
Tgt Ion: 49 Resp: 192856

Ion Ratio Lower Upper

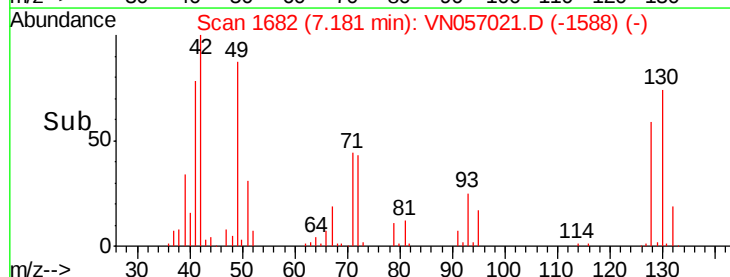
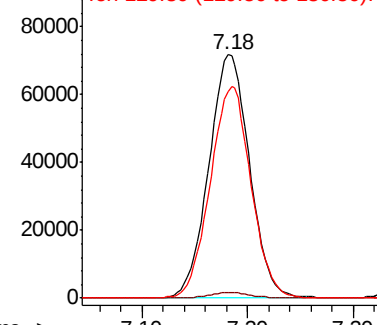
49 100

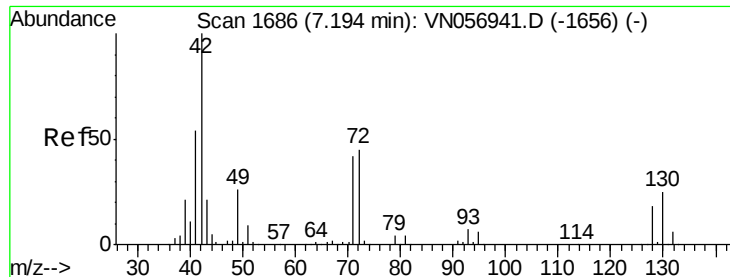
129 2.3 0.0 4.6

130 87.0 69.0 103.4



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: 268.399 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

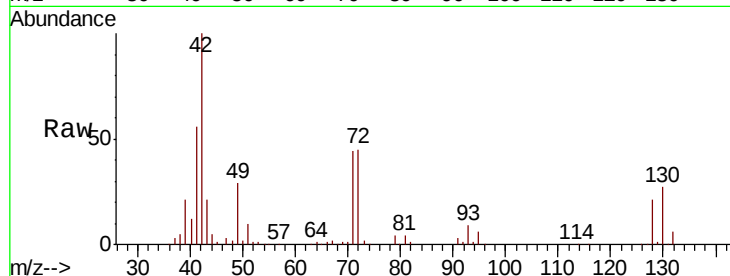
Tot Ion: 42 Resp: 406948

Ion Ratio Lower Upper

42 100

72 45.2 35.6 53.4

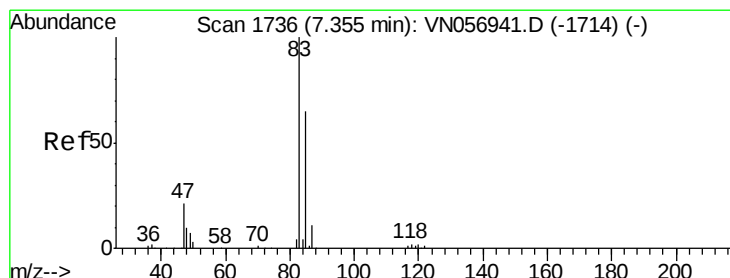
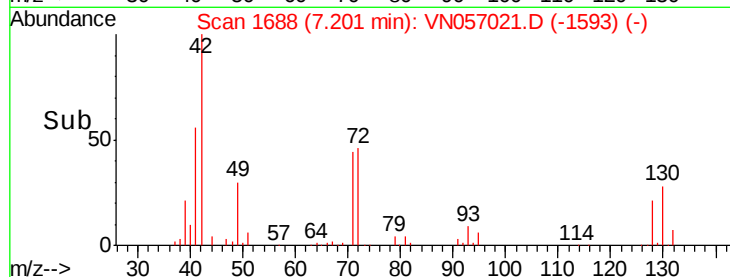
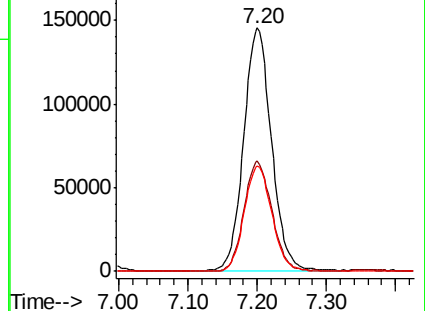
71 42.9 33.5 50.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.662 ug/l

RT: 7.36 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VN057021.D

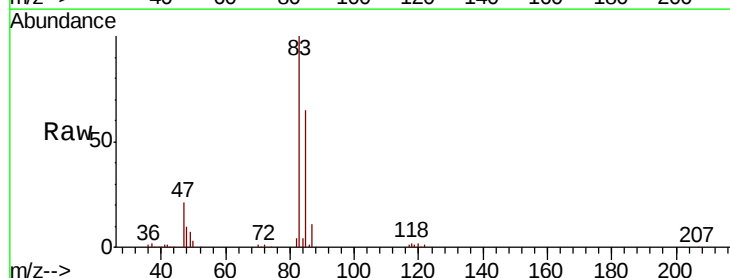
Acq: 31 Jul 2019 17:47

Tgt Ion: 83 Resp: 397887

Ion Ratio Lower Upper

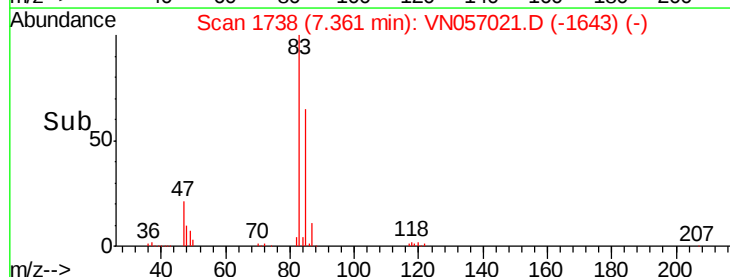
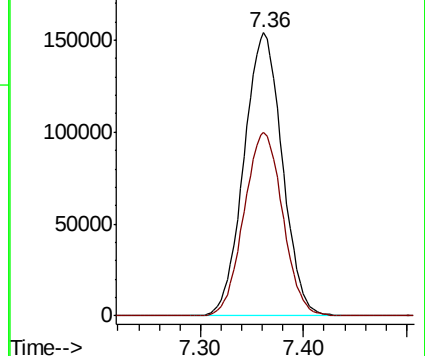
83 100

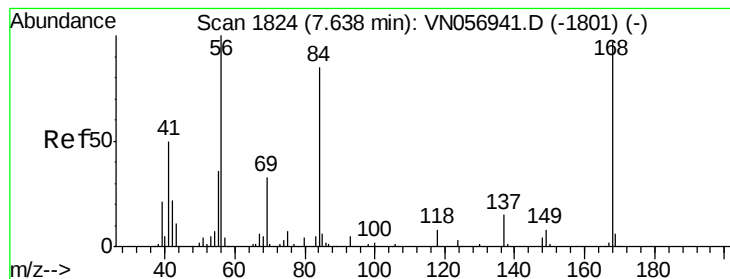
85 65.0 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.602 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

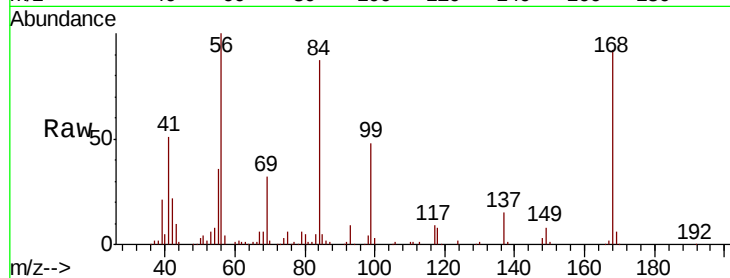
Tot Ion: 56 Resp: 353834

Ion Ratio Lower Upper

56 100

69 32.5 26.2 39.2

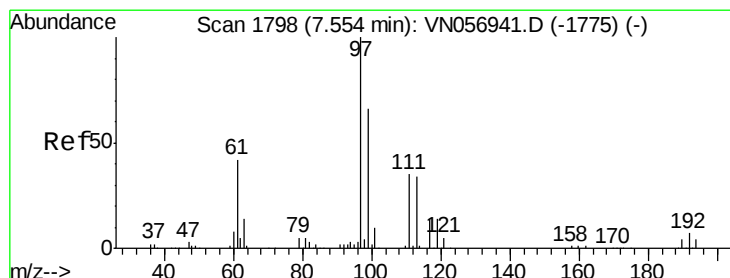
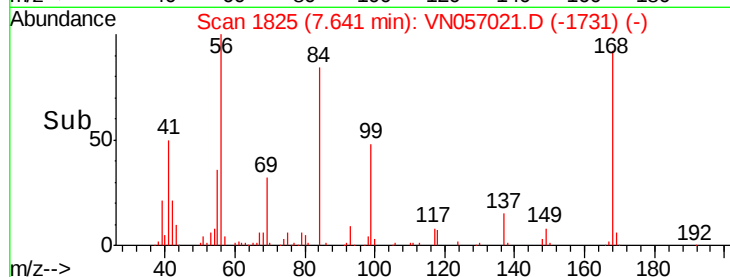
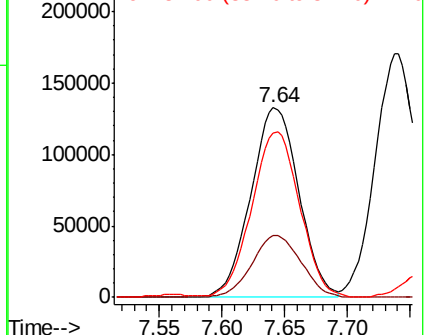
84 85.9 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN056941.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 53.380 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

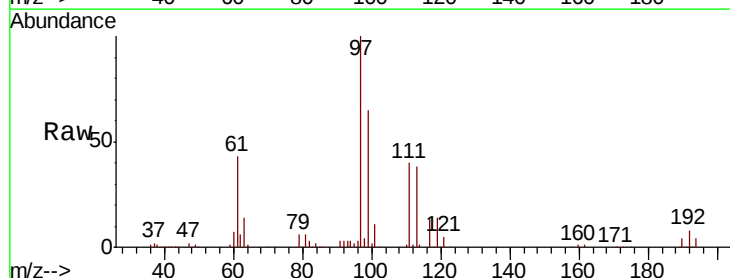
Tgt Ion: 97 Resp: 334500

Ion Ratio Lower Upper

97 100

99 64.7 52.3 78.5

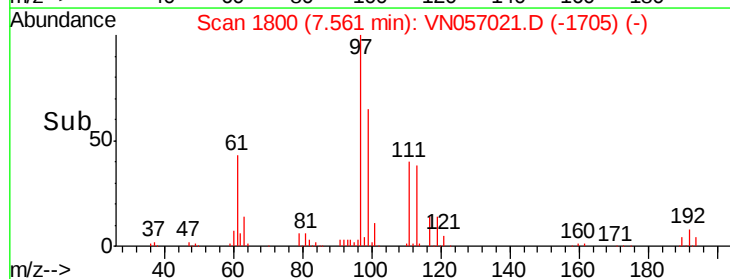
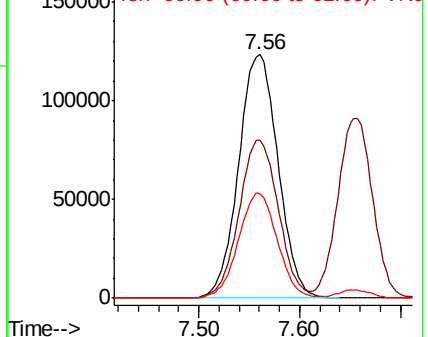
61 42.4 33.9 50.9

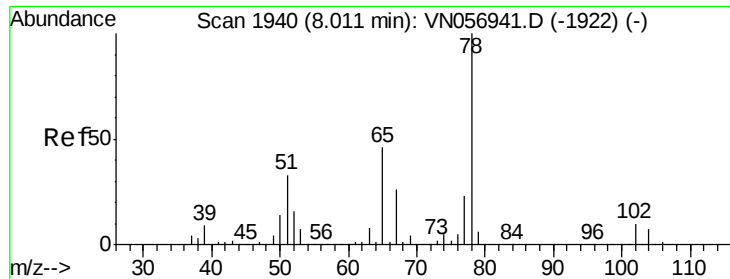


Abundance Ion 96.90 (96.60 to 97.60): VN056941.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN056941.D (-1775) (-)

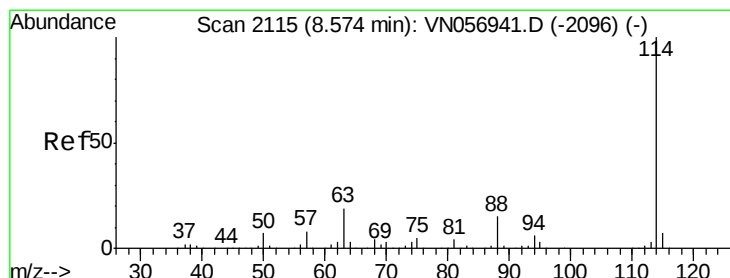
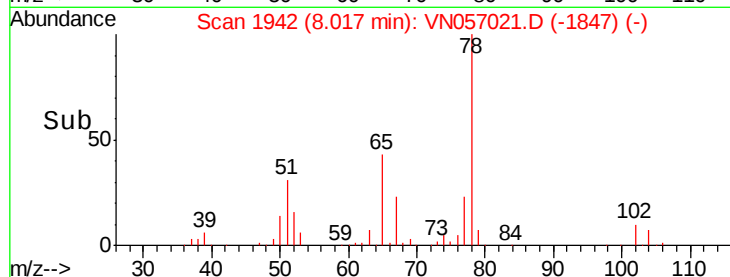
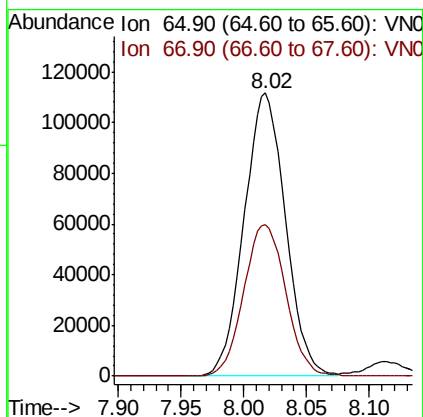
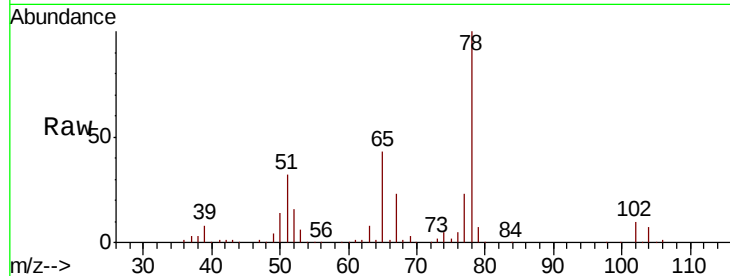




#33
 1,2-Dichloroethane-d4
 Concen: 56.700 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

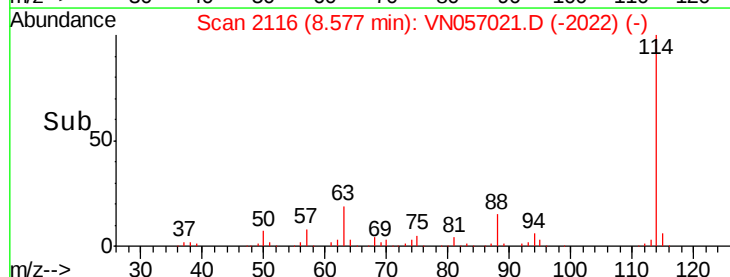
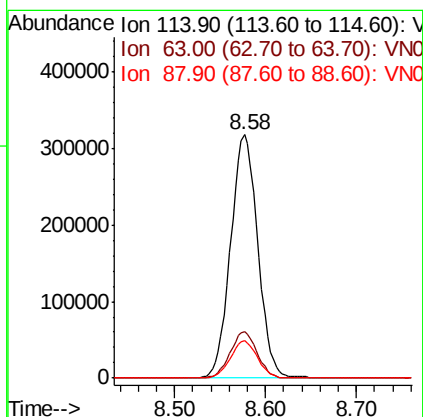
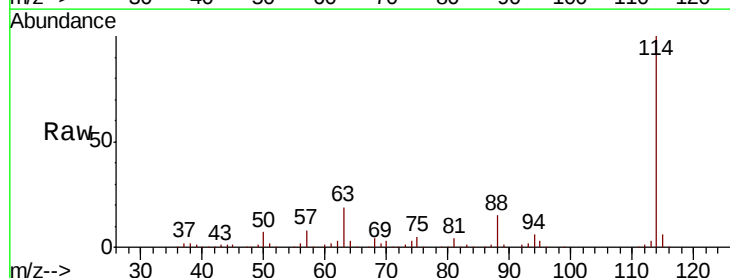
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

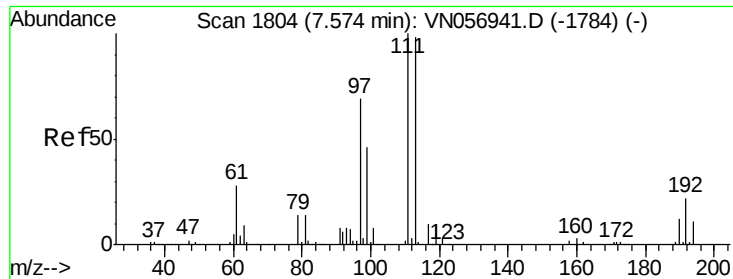
Tot Ion: 65 Resp: 256494
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion: 114 Resp: 661854
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.2 0.0 30.0

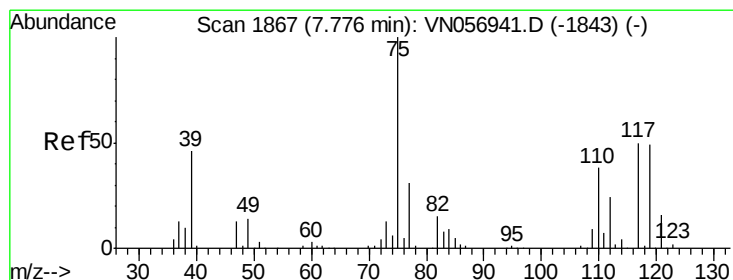
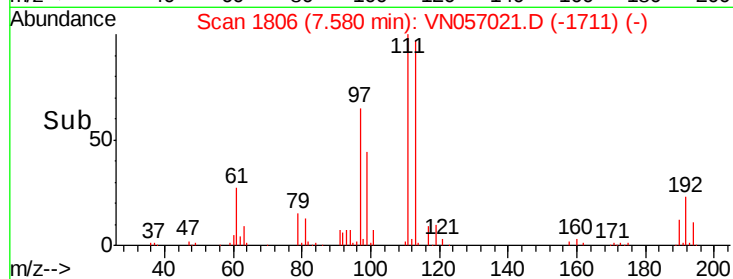
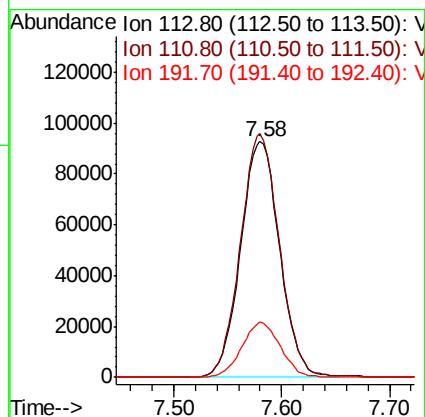
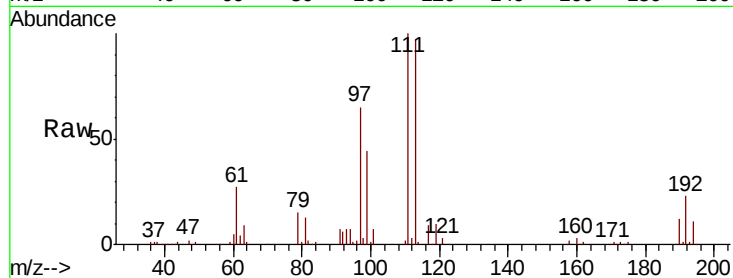




#35
 Dibromofluoromethane
 Concen: 55.112 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

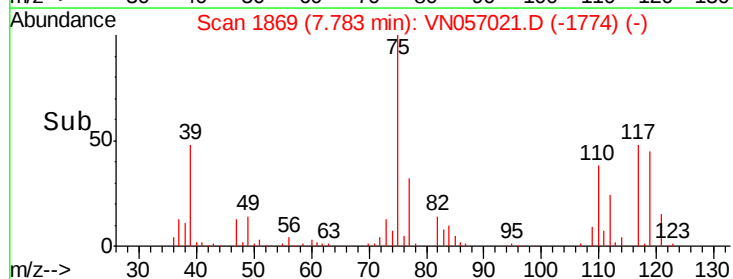
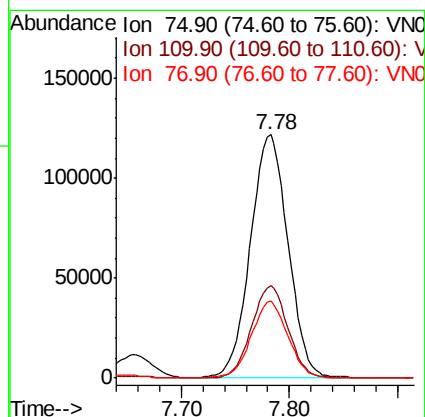
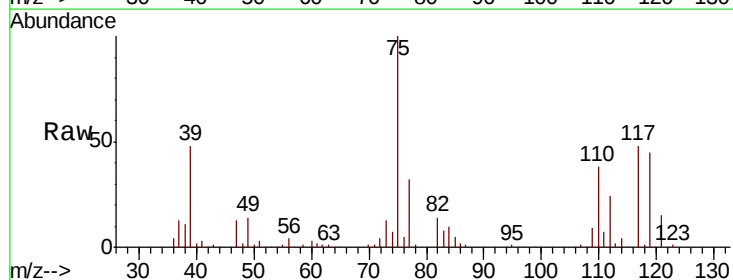
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

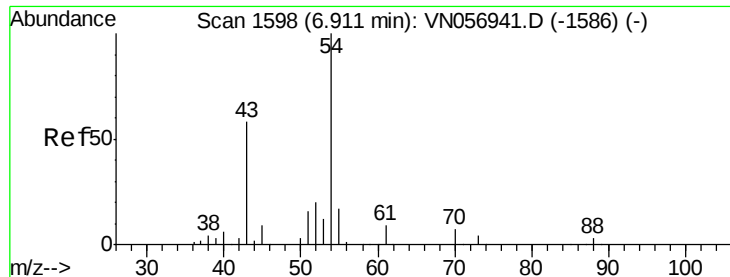
Tot Ion:113 Resp: 233509
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.0 123.0
 192 23.1 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 50.406 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion: 75 Resp: 293554
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.6 55.8
 77 30.9 25.2 37.8

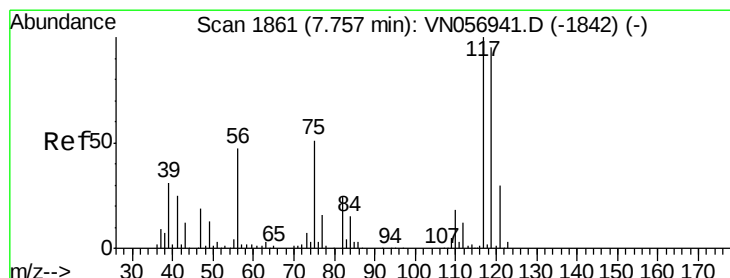
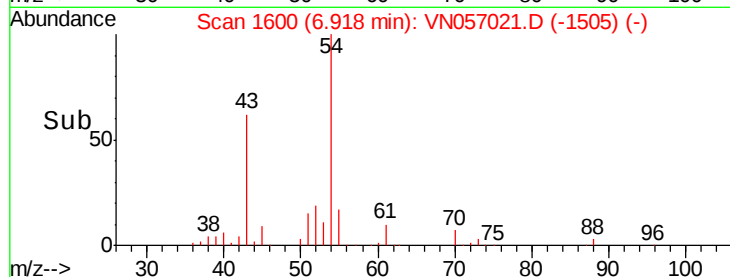
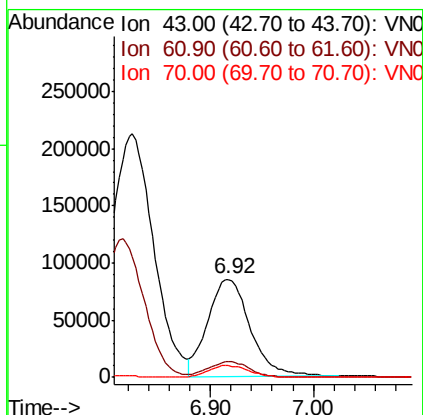
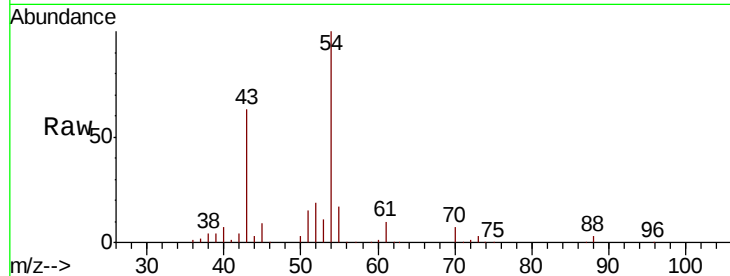




#37
Ethyl Acetate
Concen: 52.300 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

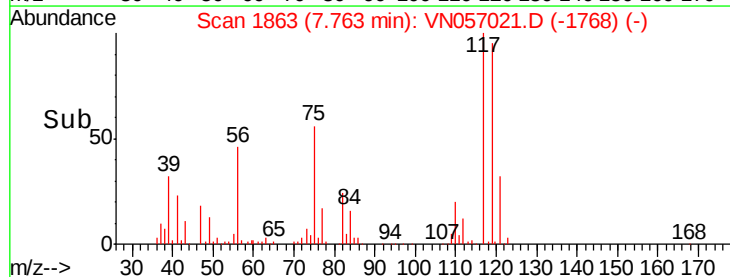
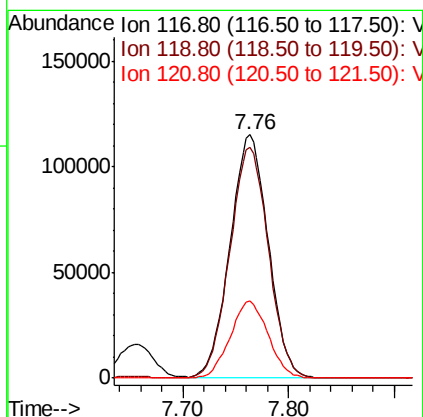
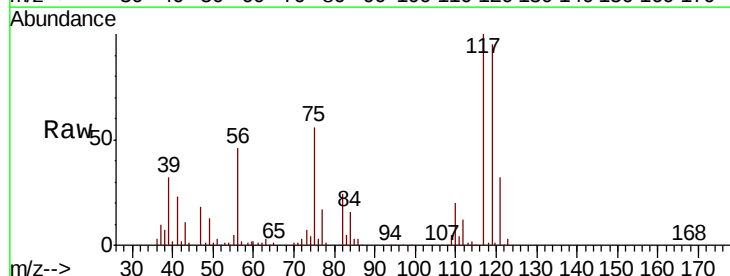
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

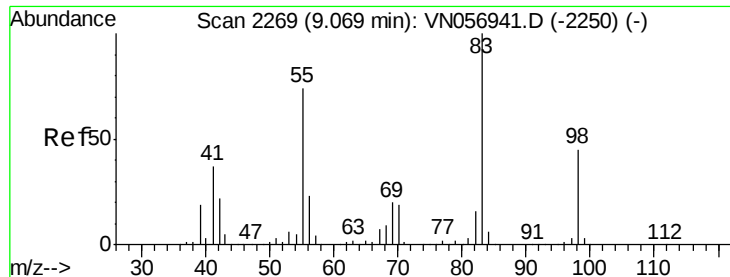
Tot Ion: 43 Resp: 243948
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 11.0 8.5 12.7



#38
Carbon Tetrachloride
Concen: 52.667 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 117 Resp: 290135
Ion Ratio Lower Upper
117 100
119 94.8 75.3 112.9
121 31.5 24.2 36.4

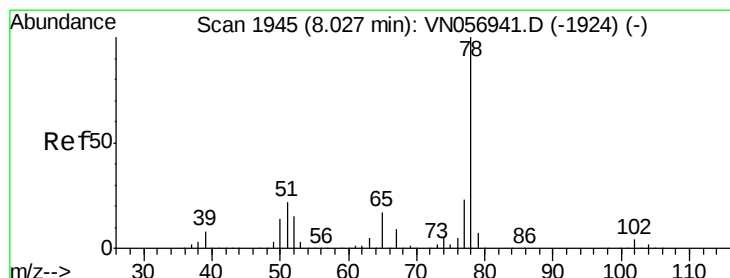
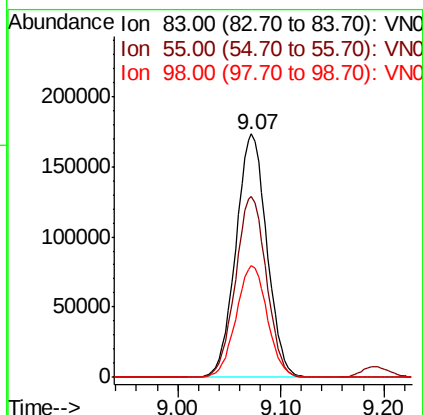
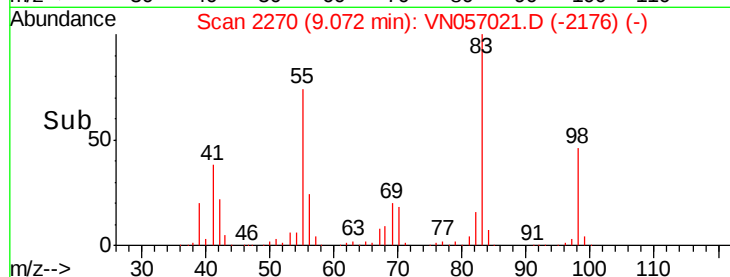
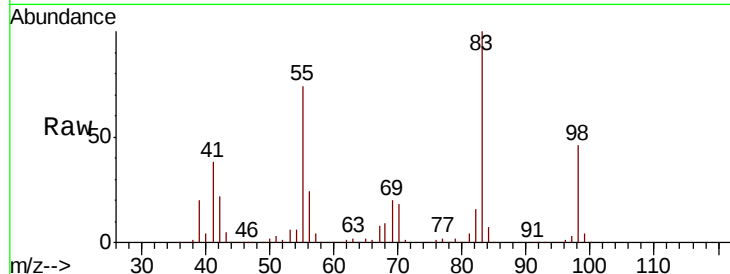




#39
Methvlcvclohexane
Concen: 48.592 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

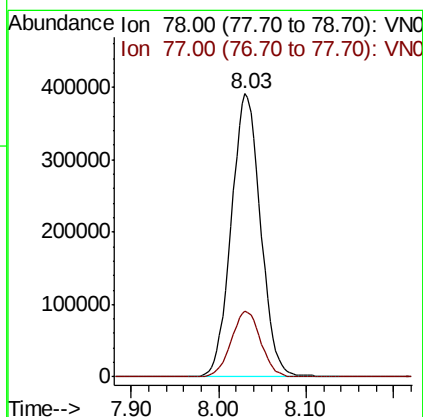
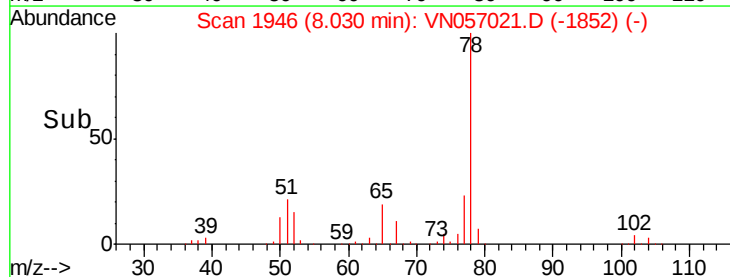
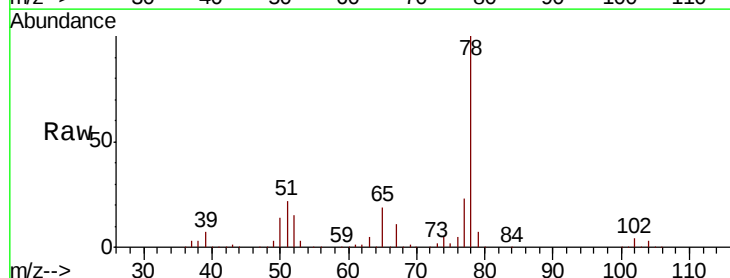
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

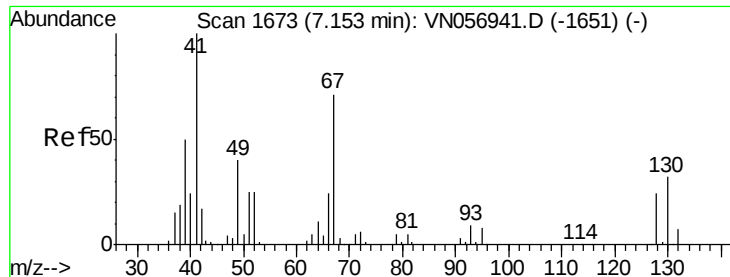
Tot Ion: 83 Resp: 361692
Ion Ratio Lower Upper
83 100
55 74.5 59.0 88.6
98 45.7 36.2 54.4



#40
Benzene
Concen: 50.690 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 78 Resp: 909255
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5

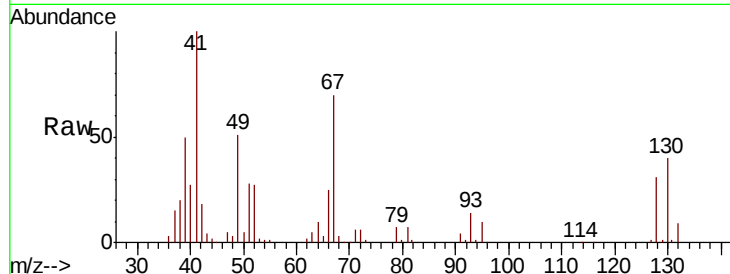




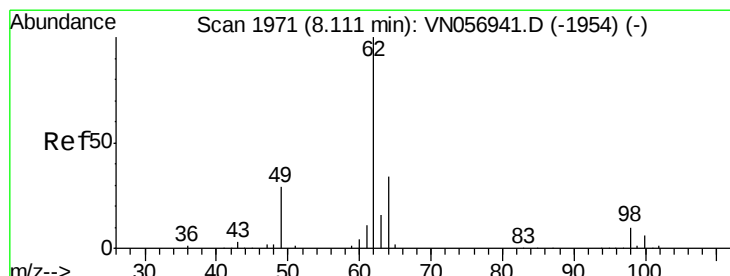
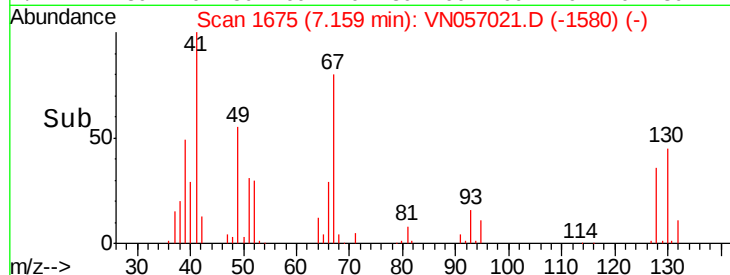
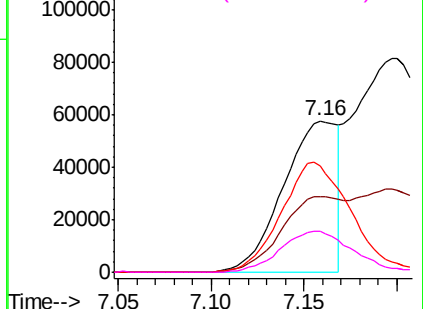
#41
Methacrylonitrile
Concen: 54.488 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 117493
Ion Ratio Lower Upper
41 100
39 55.9 48.9 73.3
67 94.3 83.4 125.0
52 36.8 30.9 46.3

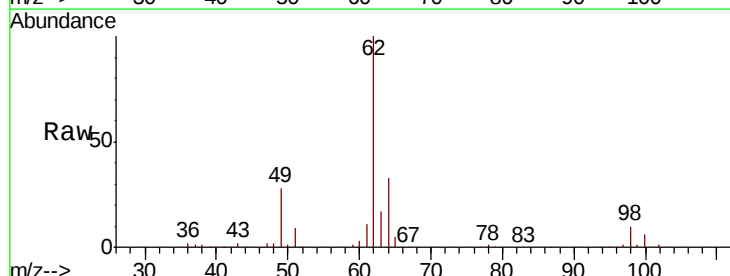


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

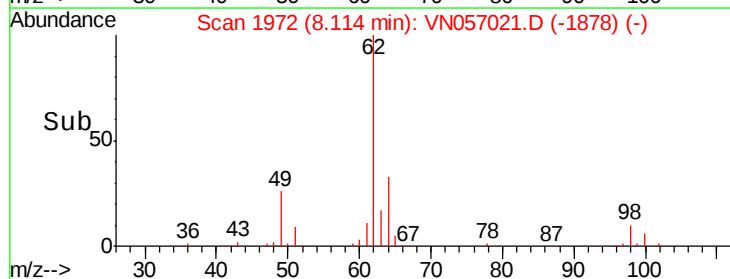
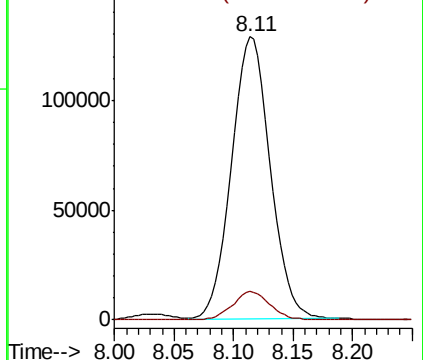


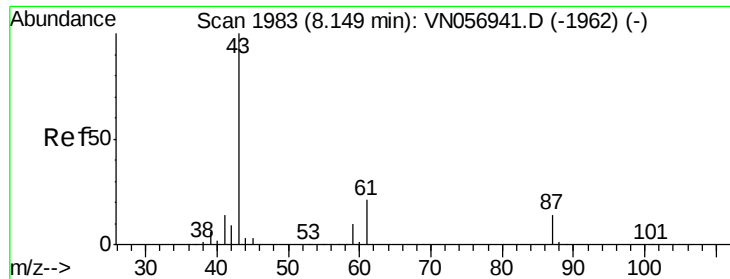
#42
1,2-Dichloroethane
Concen: 51.790 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 62 Resp: 291153
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 56.973 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

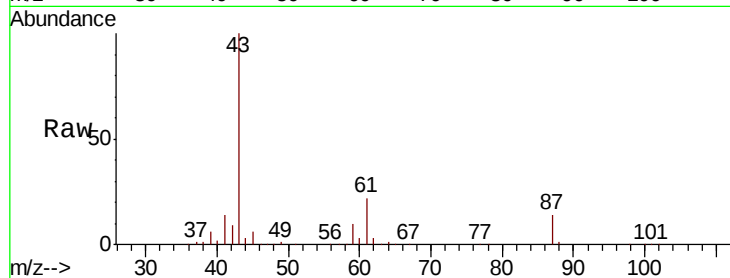
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 439232

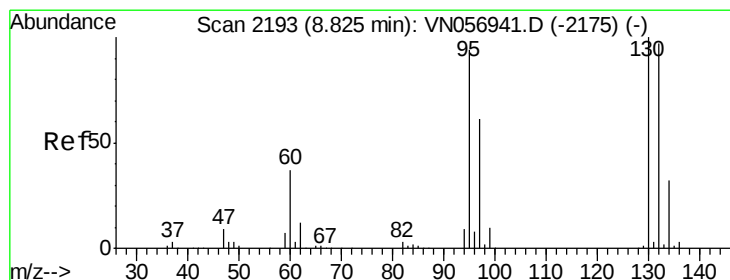
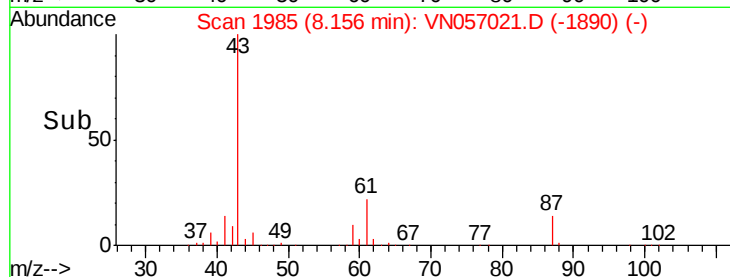
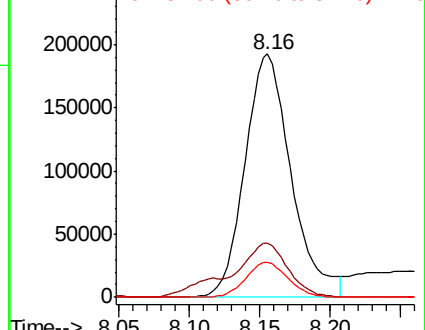
Ion	Ratio	Lower	Upper
43	100		
61	21.0	23.0	34.6#
87	13.3	11.7	17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 50.735 ug/l

RT: 8.83 min Scan# 2194

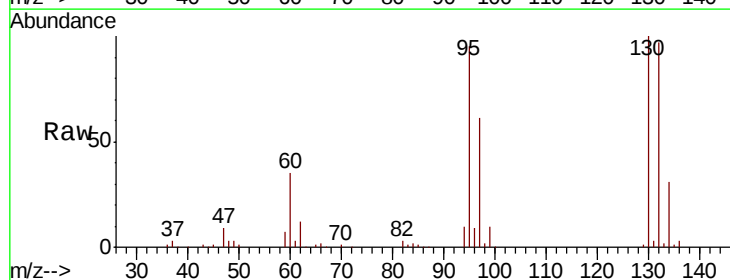
Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

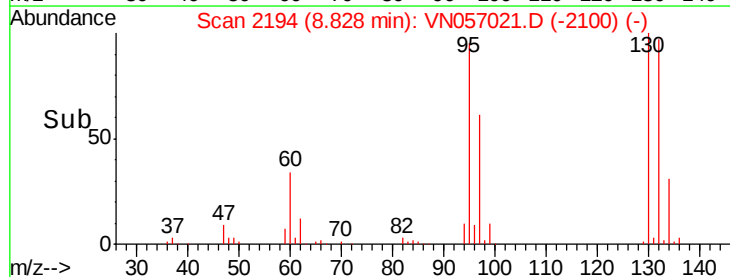
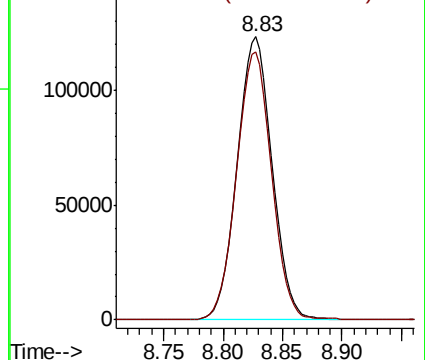
Tgt Ion: 130 Resp: 250723

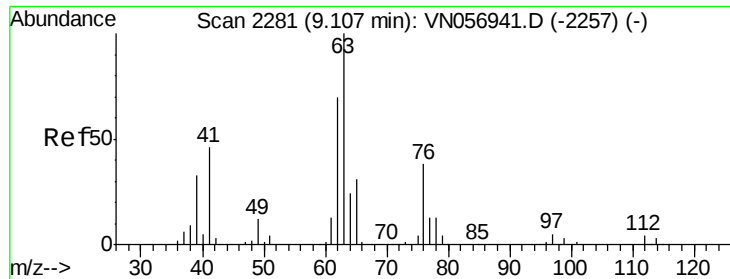
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 50.541 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

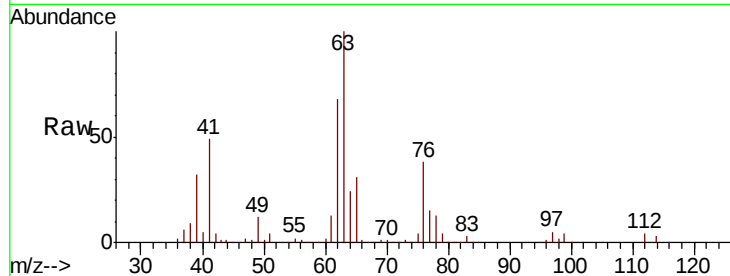
VSTDCCC050EC

Tot Ion: 63 Resp: 242493

Ion Ratio Lower Upper

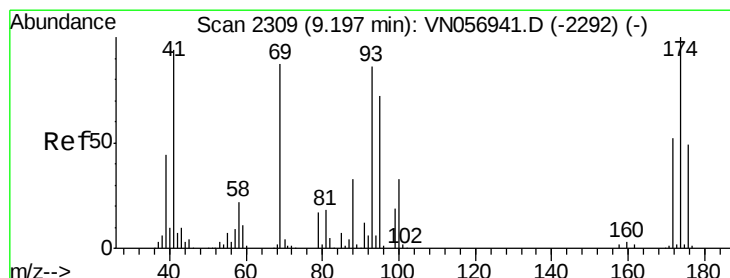
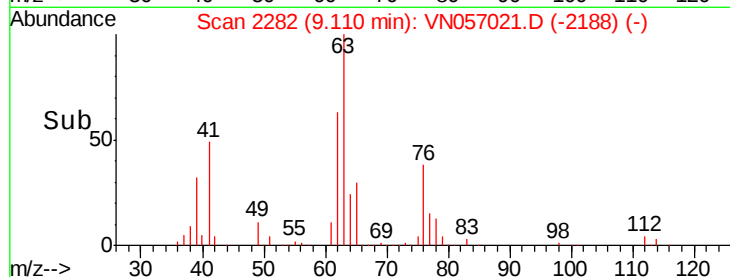
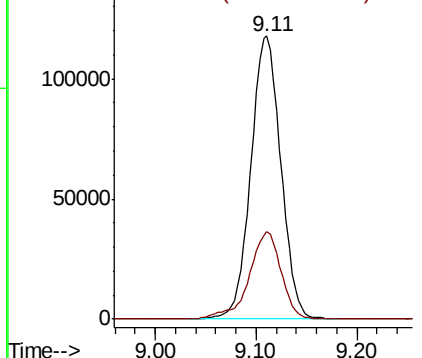
63 100

65 30.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN057021.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN057021.D (-2188) (-)



#46

Dibromomethane

Concen: 53.296 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

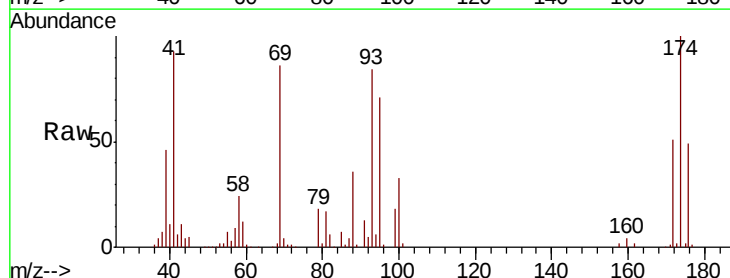
Tgt Ion: 93 Resp: 154212

Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.6

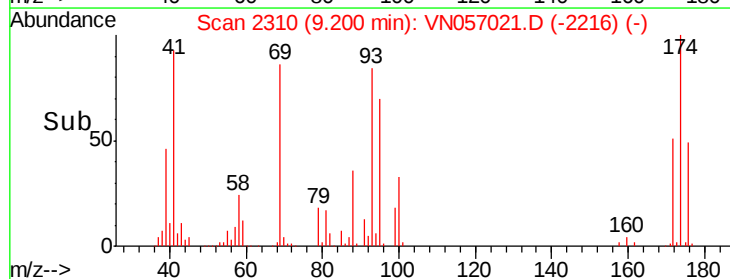
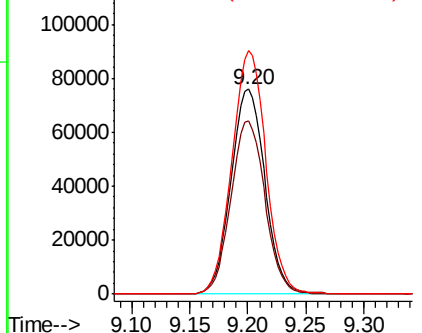
174 119.0 92.7 139.1

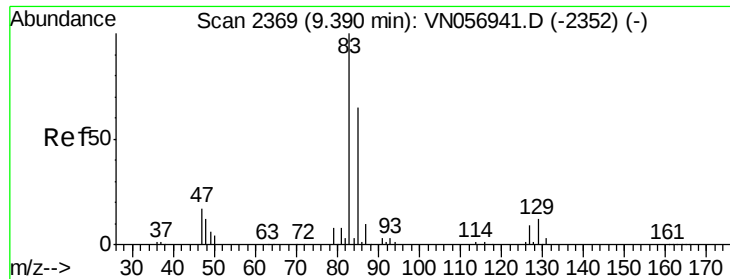


Abundance Ion 92.80 (92.50 to 93.50): VN057021.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN057021.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN057021.D (-2216) (-)





#47

Bromodichloromethane

Concen: 53.687 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

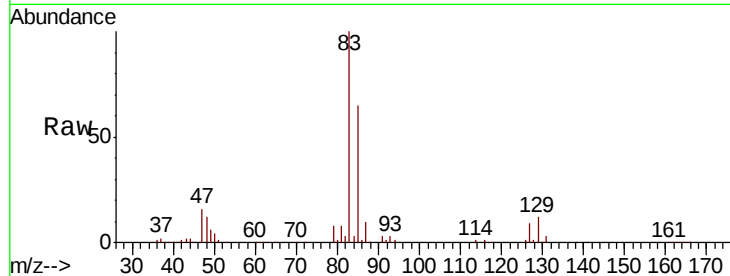
Tot Ion: 83 Resp: 305419

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4

127 9.4 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)

9.39

150000

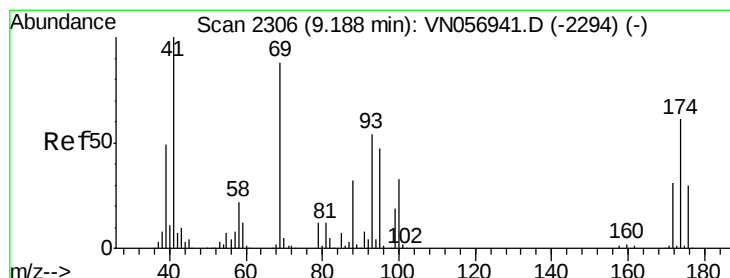
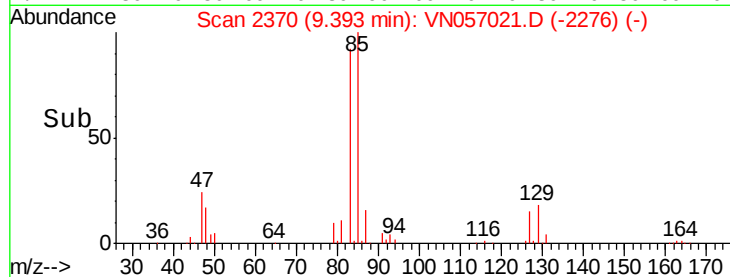
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#48

Methyl methacrylate

Concen: 55.251 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

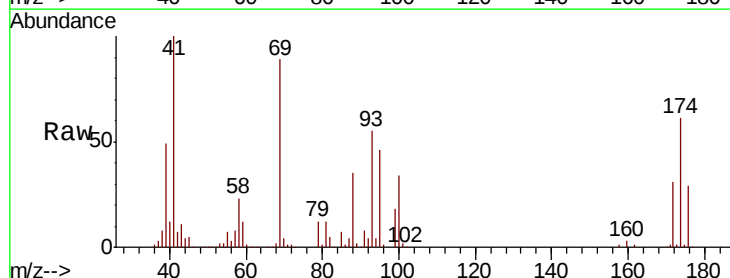
Tgt Ion: 41 Resp: 205650

Ion Ratio Lower Upper

41 100

69 91.2 73.4 110.0

39 50.1 39.9 59.9



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)

9.19

150000

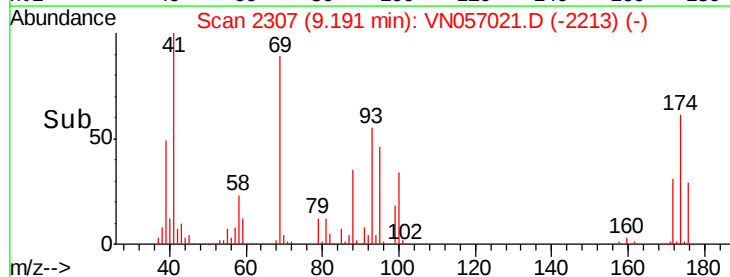
100000

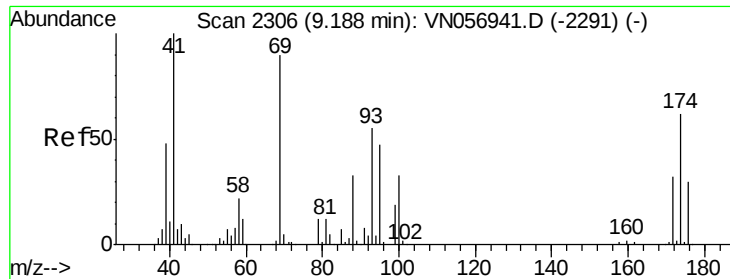
50000

0

9.15 9.20 9.25

Time-->

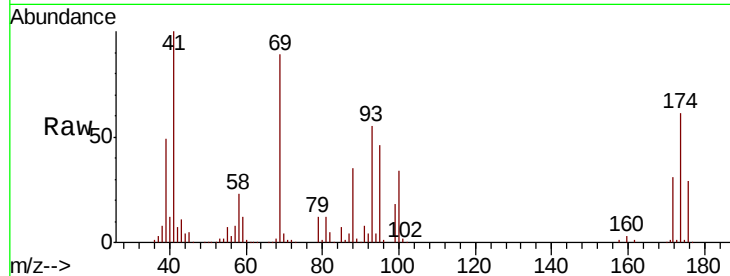




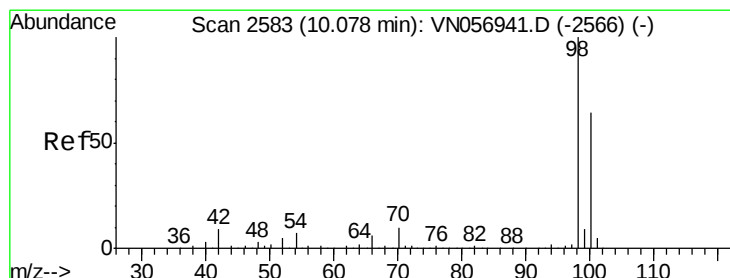
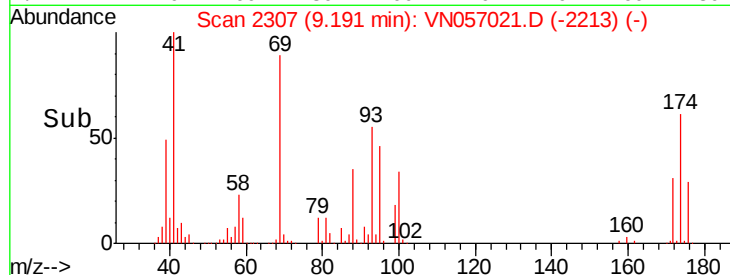
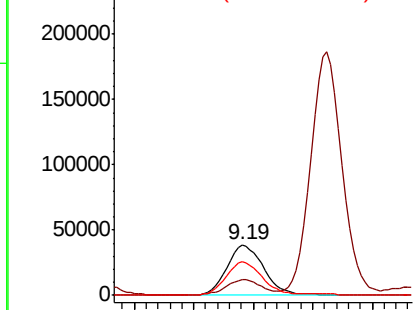
#49
1,4-Dioxane
Concen: 1093.339 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 83864
Ion Ratio Lower Upper
88 100
43 28.6 22.2 33.2
58 65.5 54.1 81.1

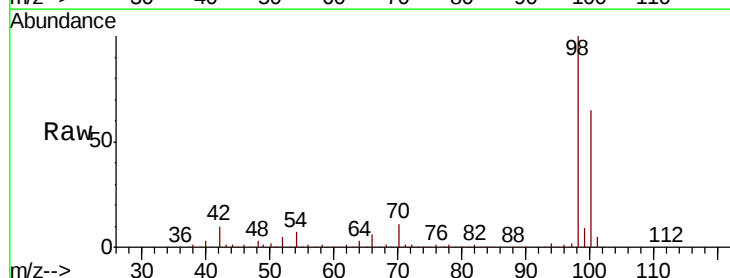


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

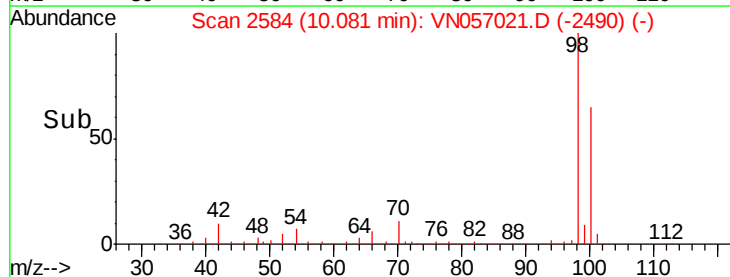
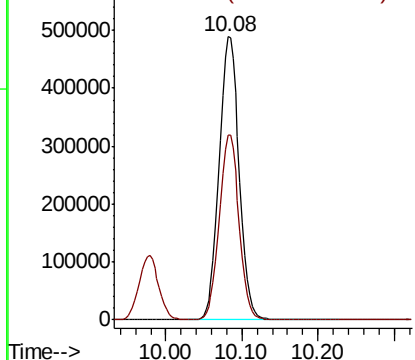


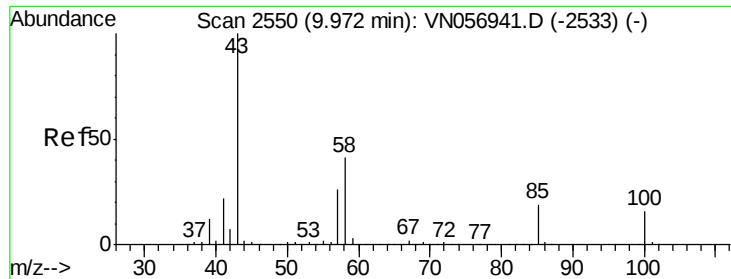
#50
Toluene-d8
Concen: 55.170 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 98 Resp: 891420
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



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: 270.420 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

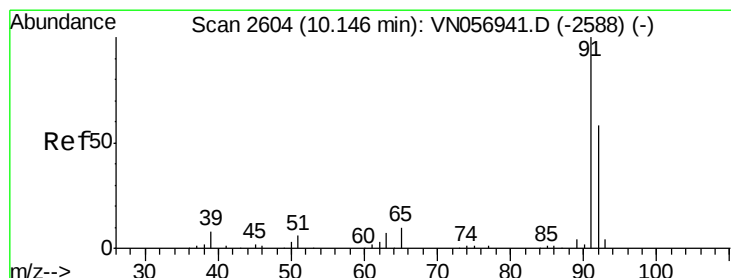
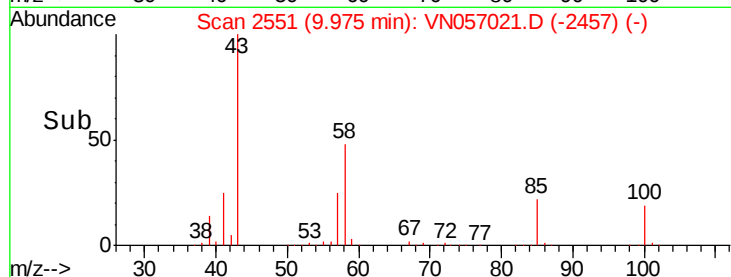
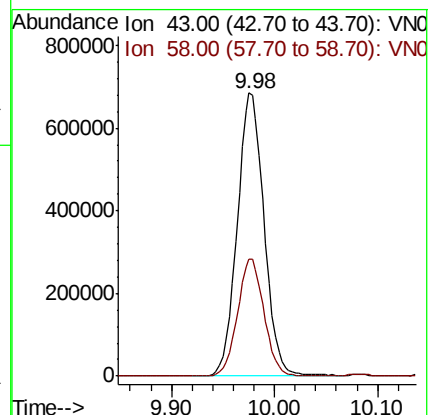
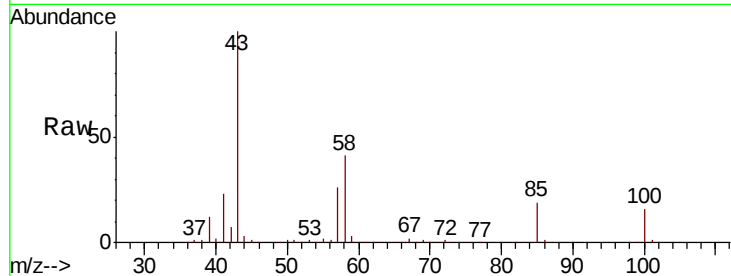
VSTDCCC050EC

Tot Ion: 43 Resp: 1238703

Ion Ratio Lower Upper

43 100

58 40.9 33.1 49.7



#52

Toluene

Concen: 52.526 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057021.D

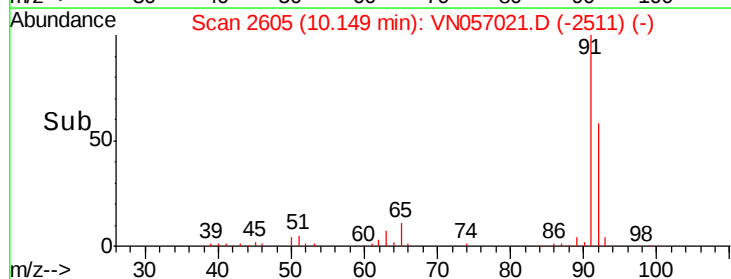
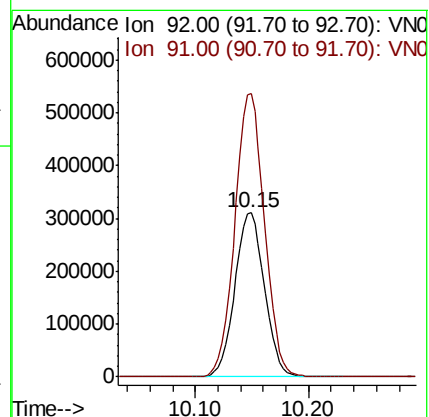
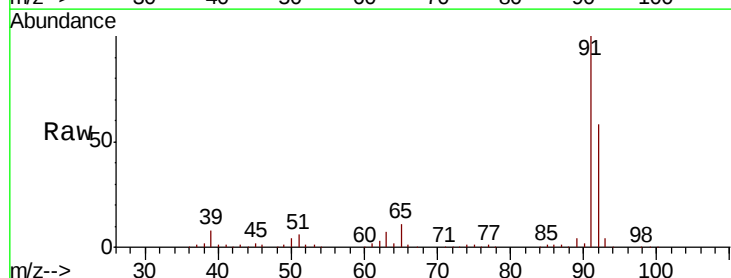
Acq: 31 Jul 2019 17:47

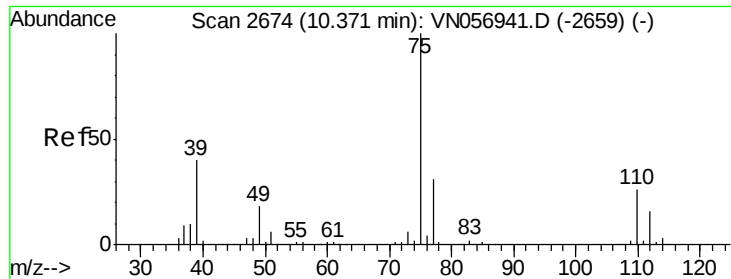
Tgt Ion: 92 Resp: 566081

Ion Ratio Lower Upper

92 100

91 172.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 53.300 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

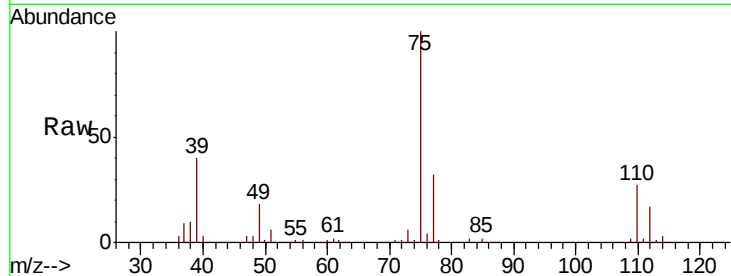
VSTDCCC050EC

Tot Ion: 75 Resp: 314652

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

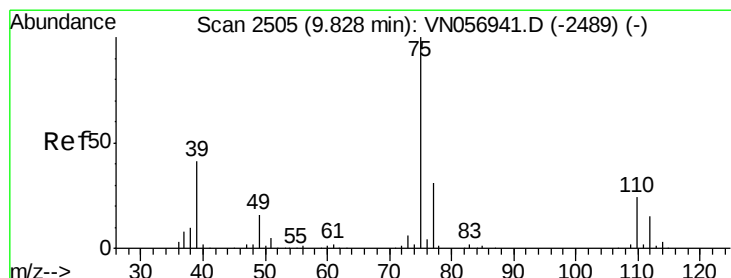
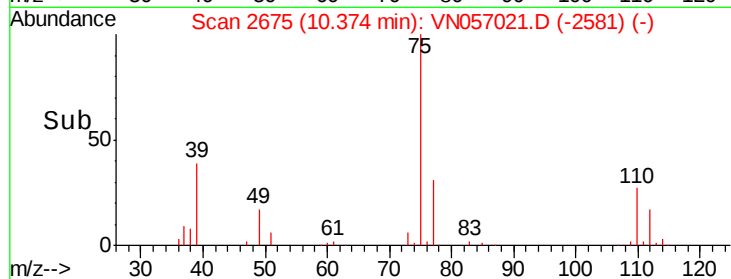
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.206 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

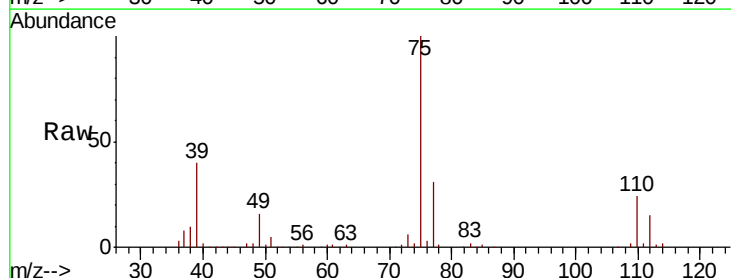
Tgt Ion: 75 Resp: 365209

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6

39 40.2 32.6 49.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

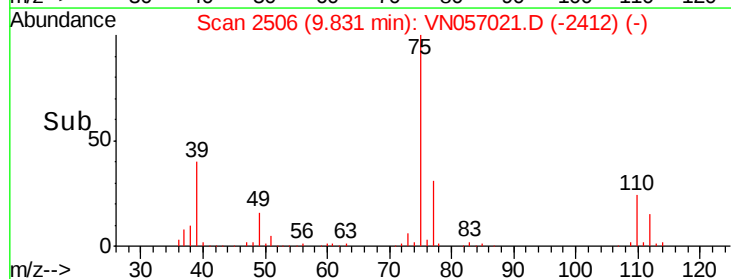
150000

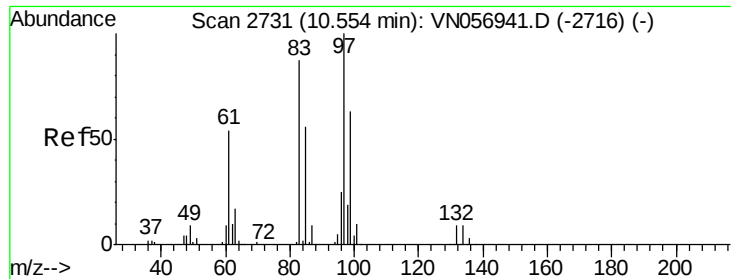
100000

50000

0

Time-->

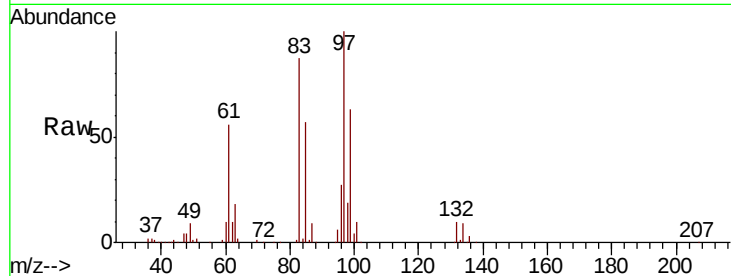




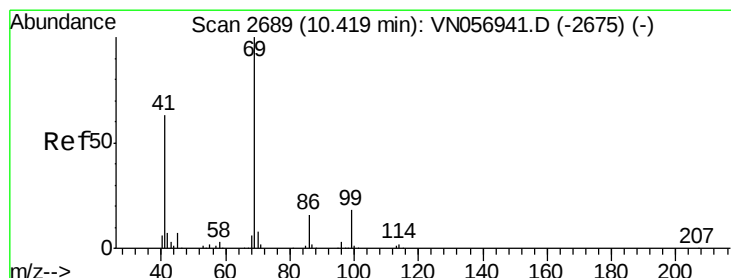
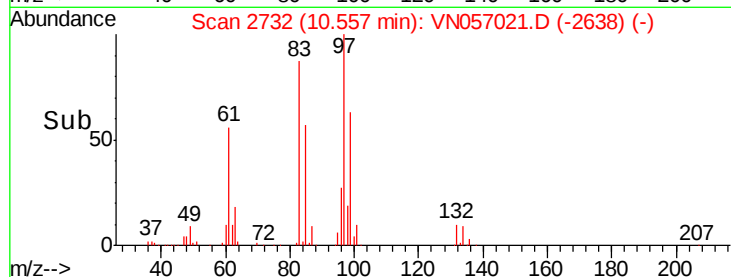
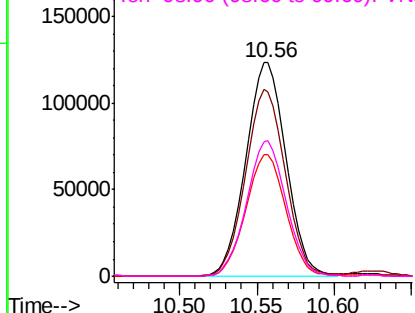
#55
 1,1,2-Trichloroethane
 Concen: 51.843 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	224064
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.4	104.0
85	57.2	44.7	67.1
99	63.3	50.1	75.1

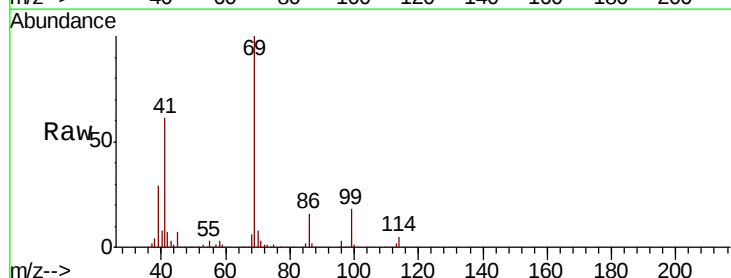


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

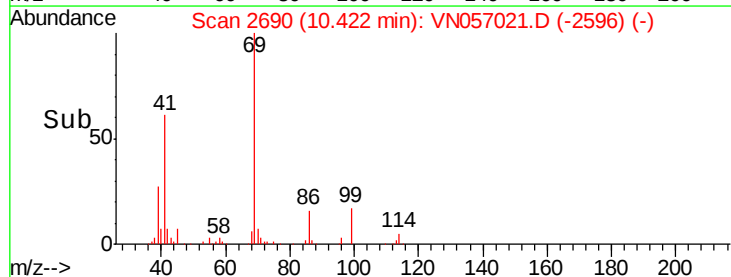
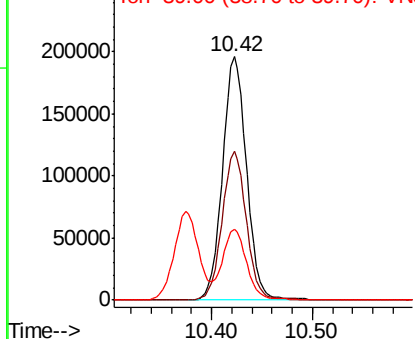


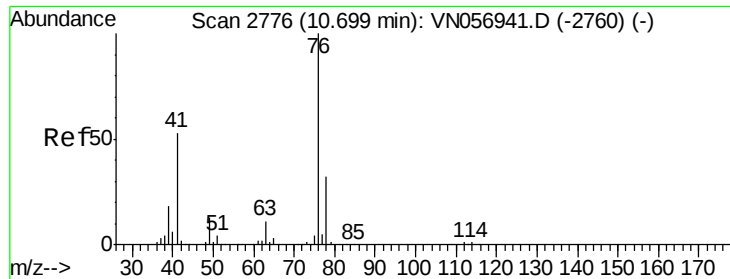
#56
 Ethyl methacrylate
 Concen: 50.103 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion:	69	Resp:	327046
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.2	73.8
39	29.0	23.1	34.7



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





#57

1,3-Dichloropropane

Concen: 51.843 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

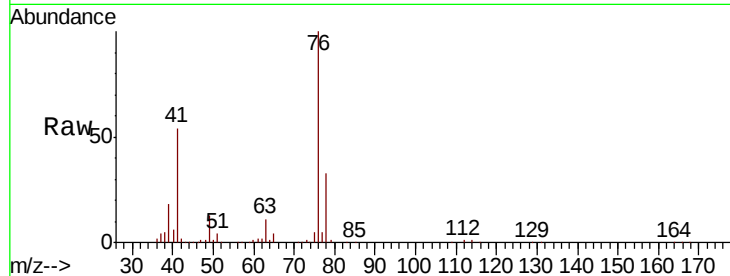
VSTDCCC050EC

Tot Ion: 76 Resp: 371548

Ion Ratio Lower Upper

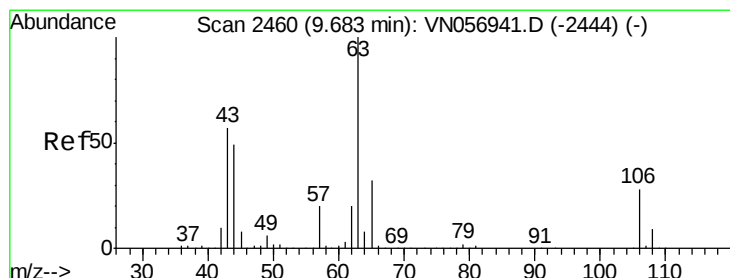
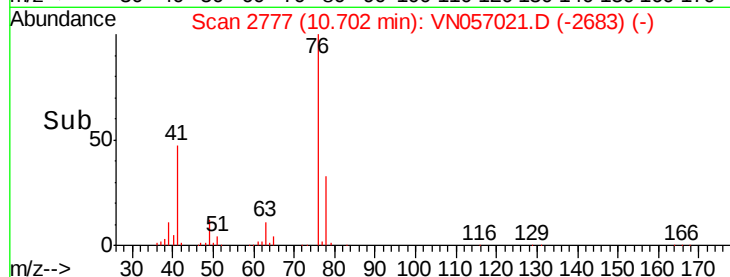
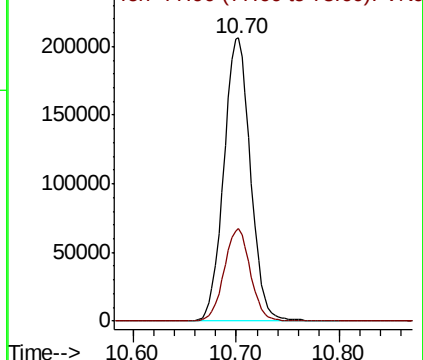
76 100

78 32.2 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 228.978 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN057021.D

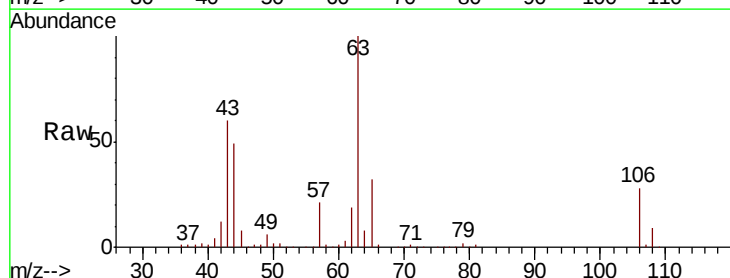
Acq: 31 Jul 2019 17:47

Tgt Ion: 63 Resp: 593041

Ion Ratio Lower Upper

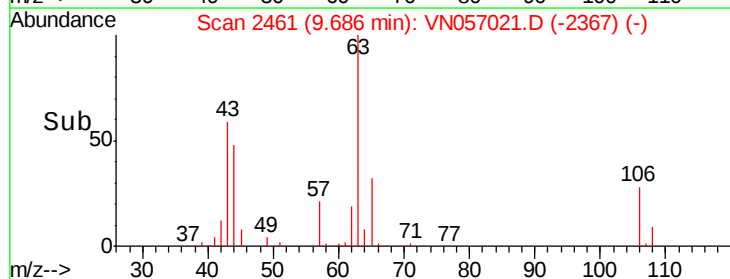
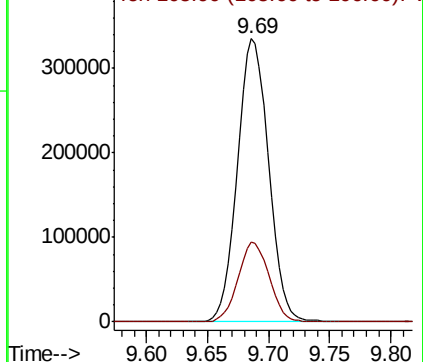
63 100

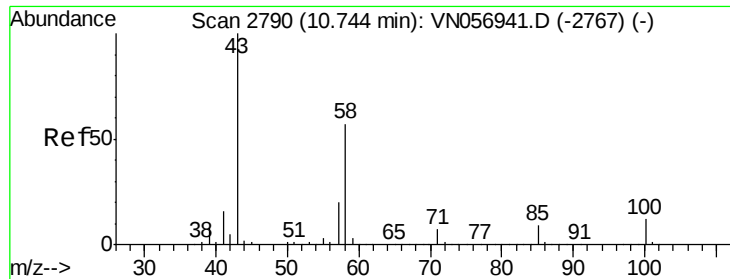
106 27.9 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

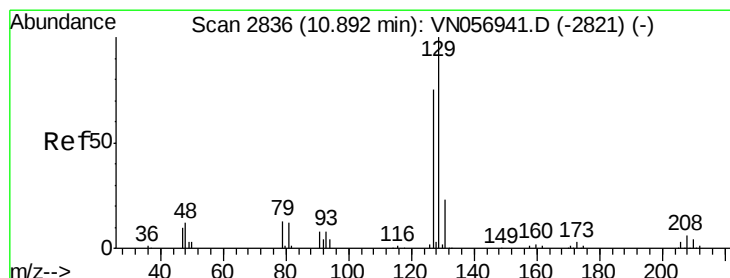
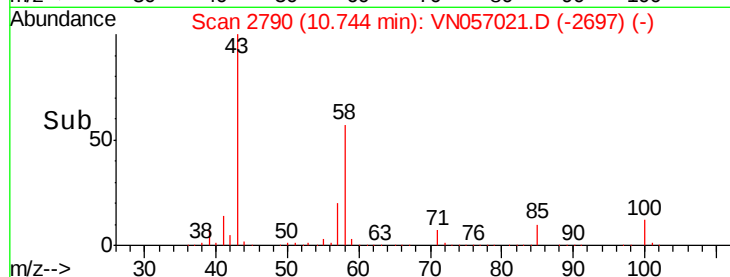
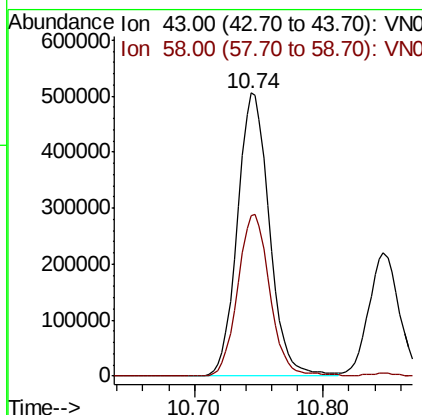
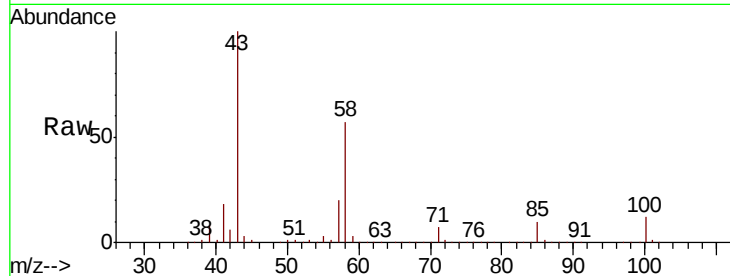




#59
2-Hexanone
Concen: 246.586 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

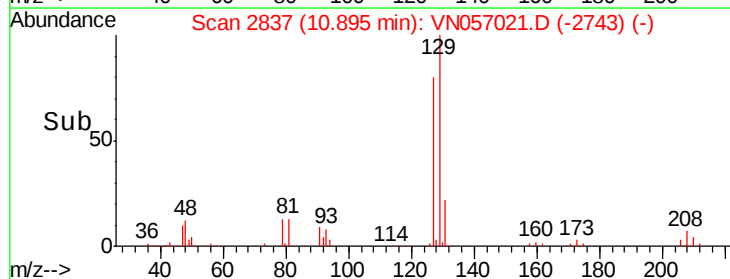
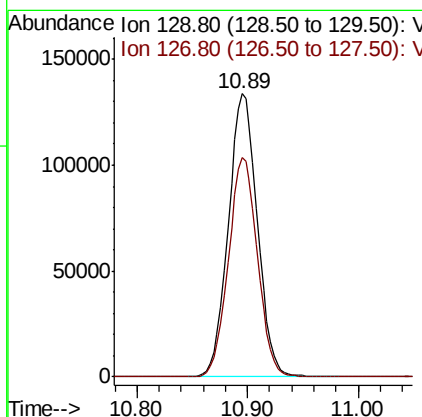
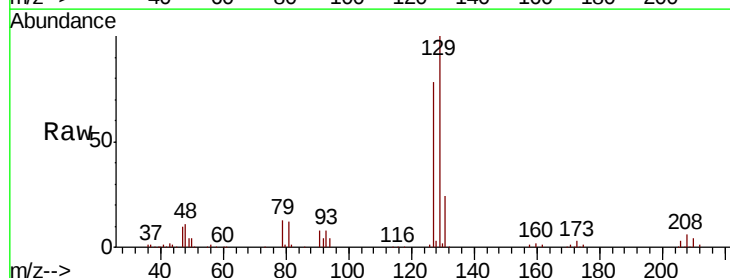
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

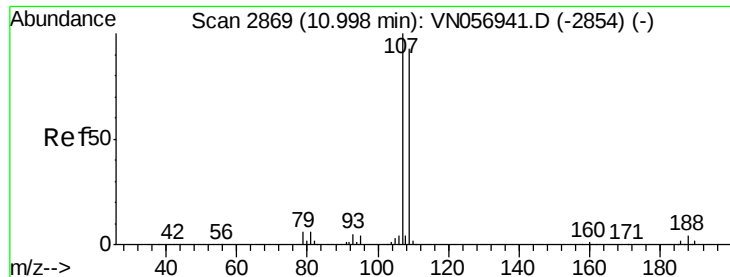
Tot Ion: 43 Resp: 869723
Ion Ratio Lower Upper
43 100
58 57.5 28.5 85.5



#60
Dibromochloromethane
Concen: 55.031 ug/l
RT: 10.89 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 129 Resp: 243672
Ion Ratio Lower Upper
129 100
127 77.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 54.864 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

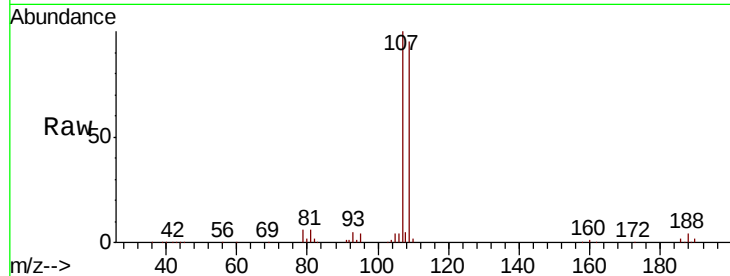
VSTDCCC050EC

Tot Ion: 107 Resp: 231403

Ion Ratio Lower Upper

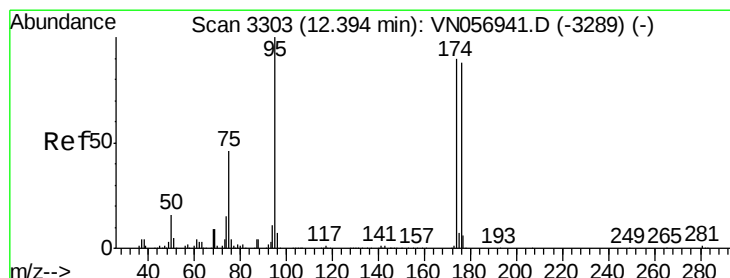
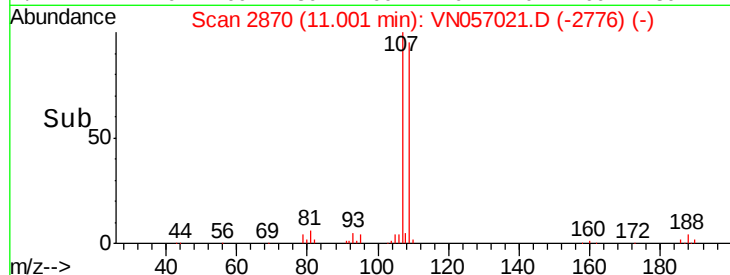
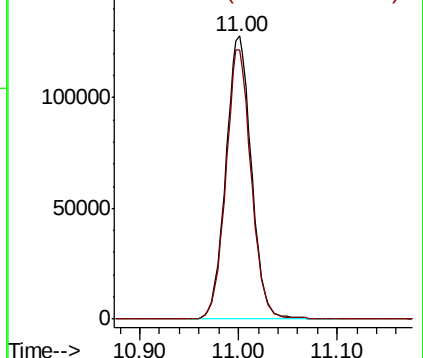
107 100

109 94.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.243 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

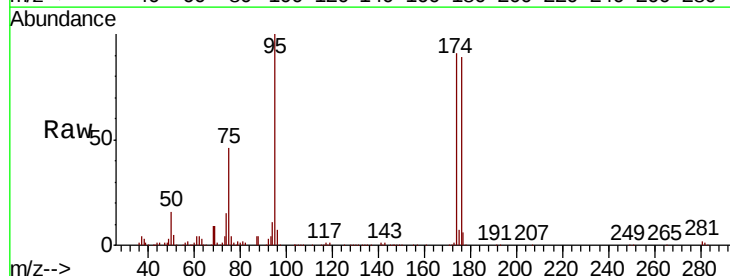
Tgt Ion: 95 Resp: 290580

Ion Ratio Lower Upper

95 100

174 94.0 0.0 182.2

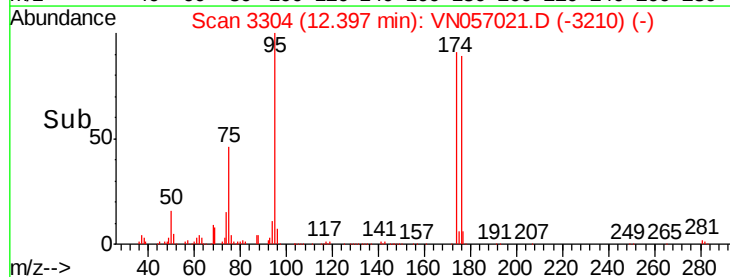
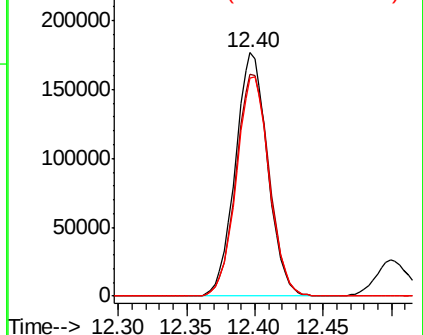
176 91.5 0.0 179.4

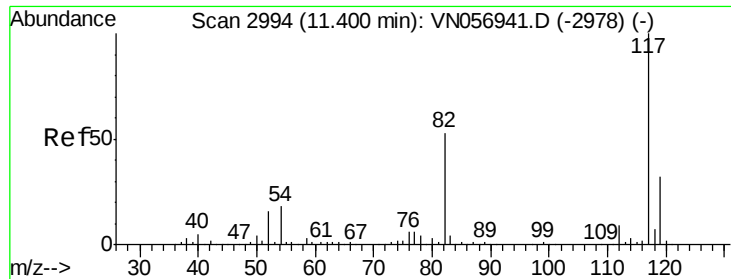


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

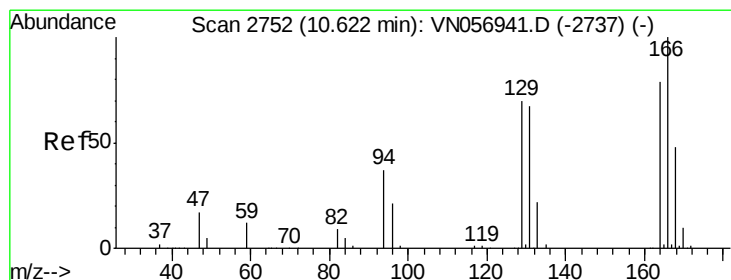
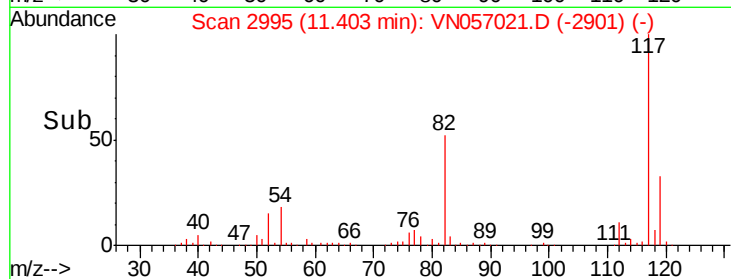
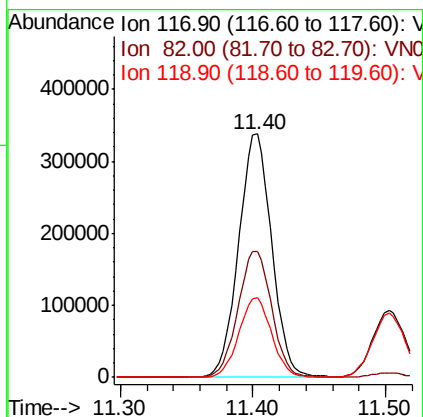
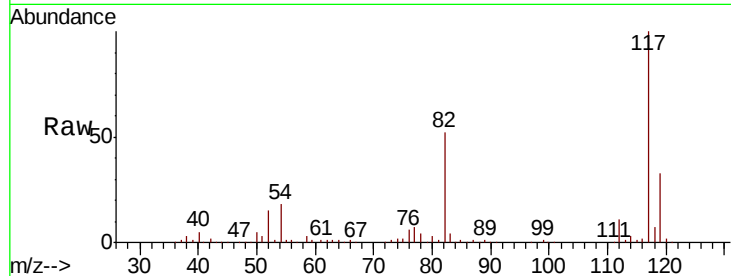




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

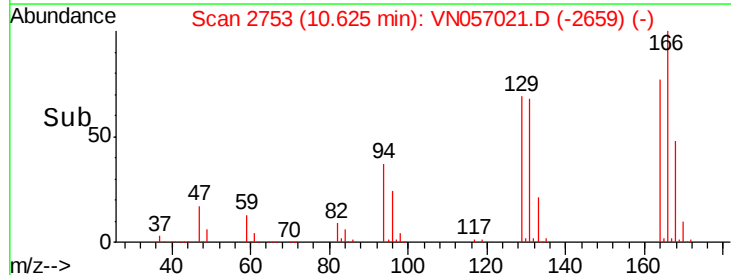
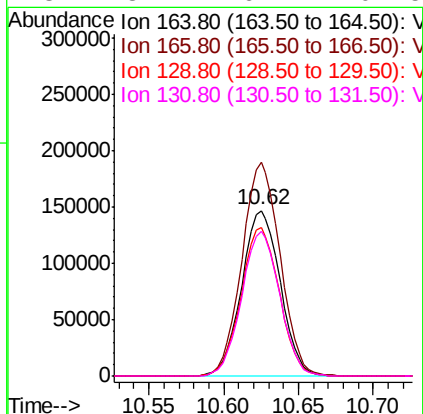
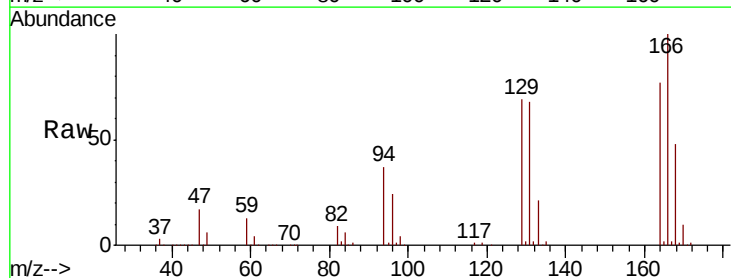
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

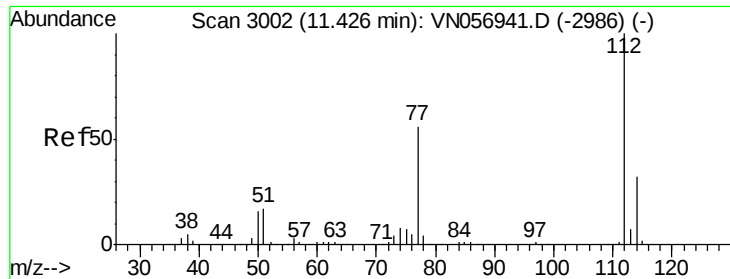
Tot Ion:117 Resp: 586485
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.4
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 52.082 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion:164 Resp: 263222
Ion Ratio Lower Upper
164 100
166 129.1 101.1 151.7
129 89.5 70.9 106.3
131 87.2 67.7 101.5

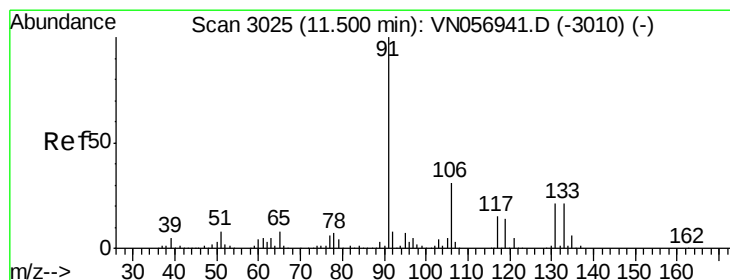
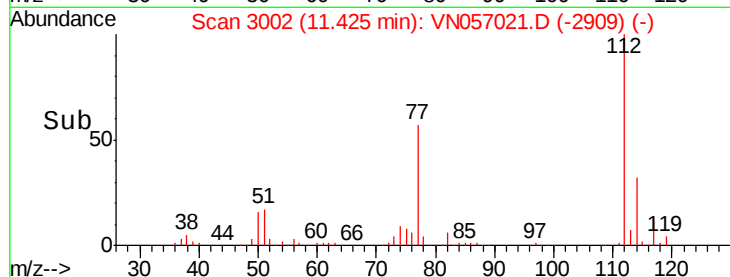
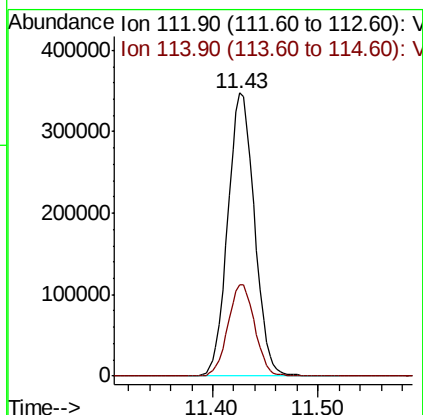
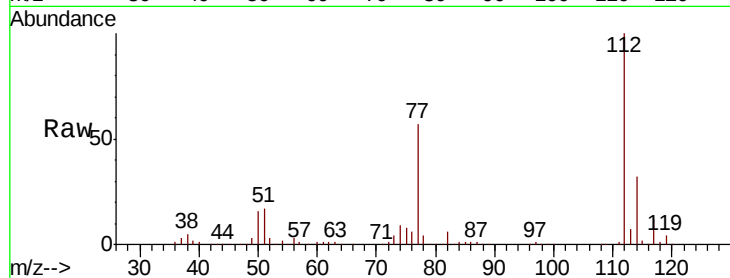




#65
Chlorobenzene
Concen: 50.934 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

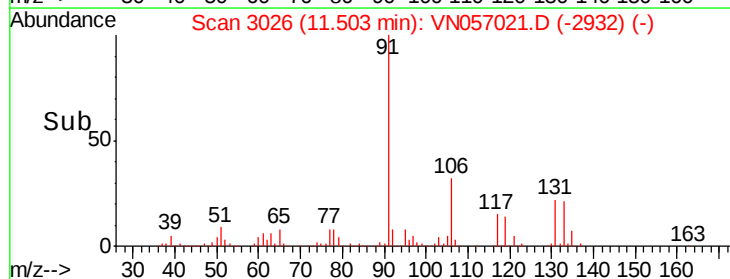
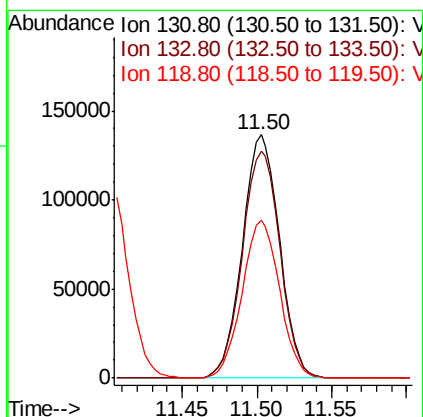
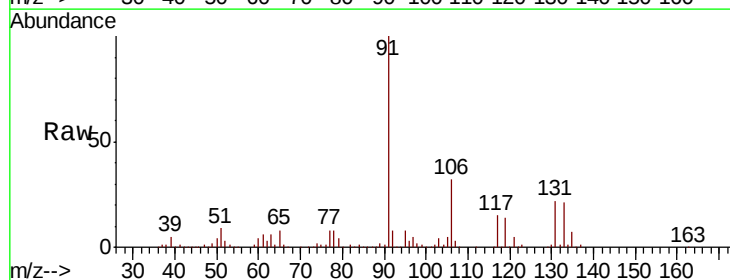
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

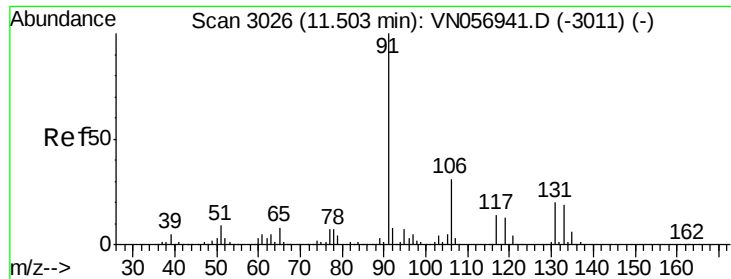
Tot Ion:112 Resp: 608837
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.423 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion:131 Resp: 235856
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 65.6 33.2 99.6

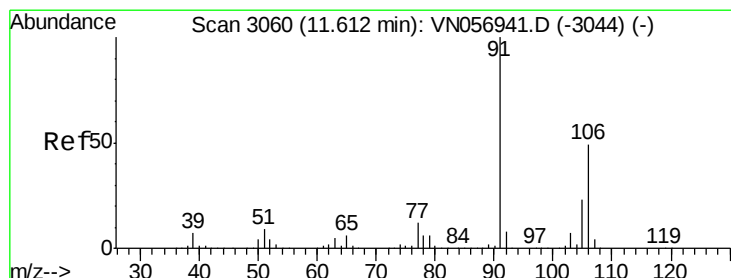
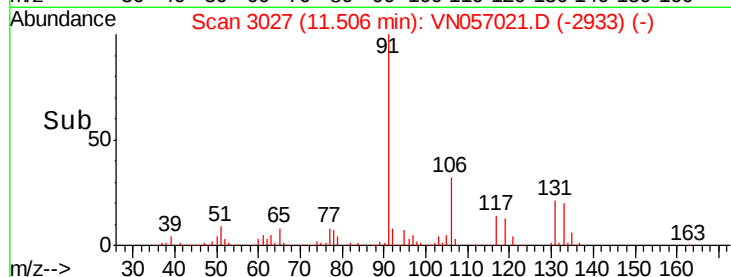
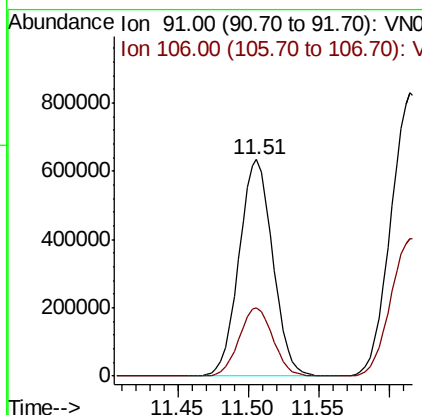
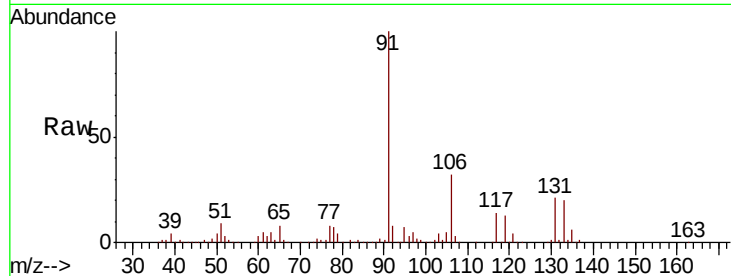




#67
Ethyl Benzene
Concen: 51.426 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

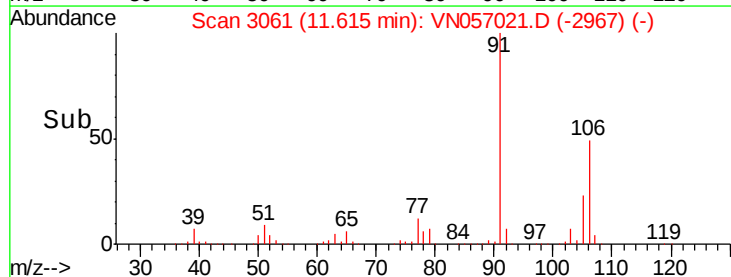
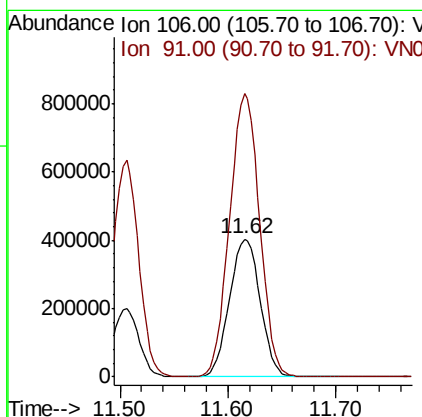
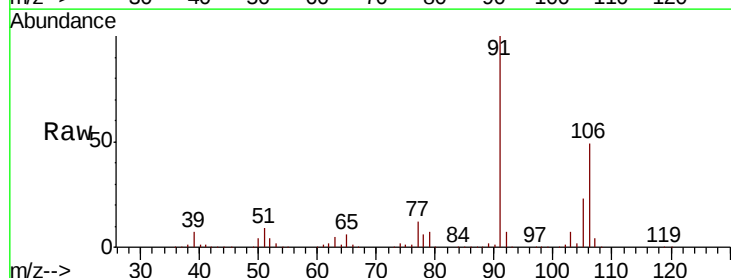
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

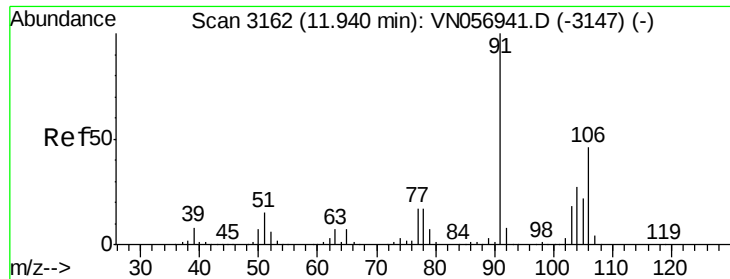
Tot Ion: 91 Resp: 1062407
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 105.323 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 106 Resp: 803020
Ion Ratio Lower Upper
106 100
91 200.8 160.0 240.0

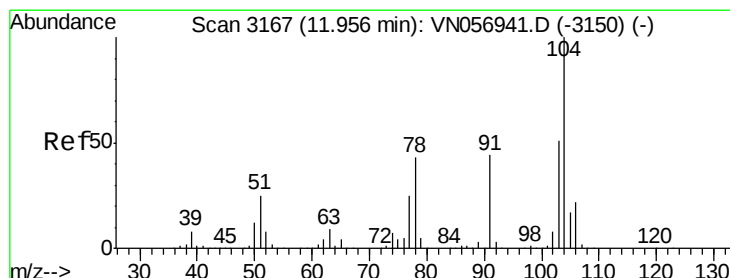
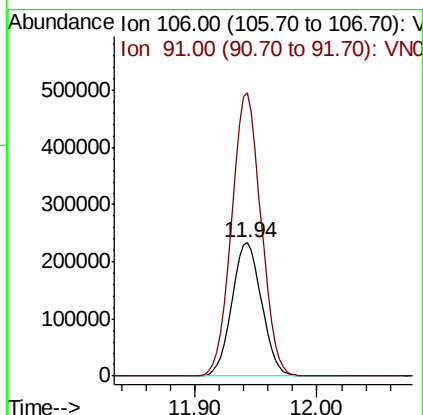
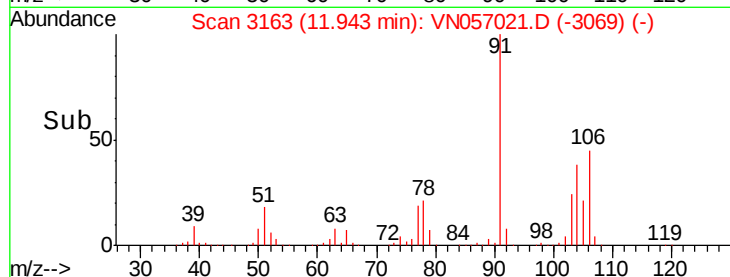
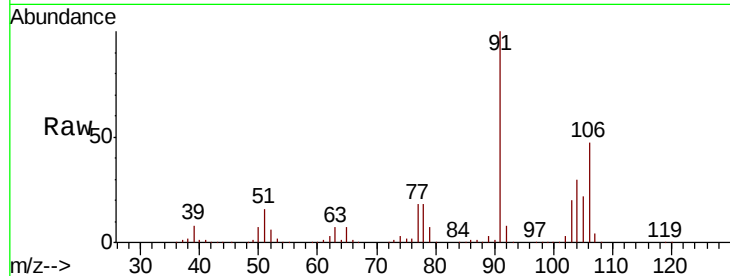




#69
o-Xylene
Concen: 52.996 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

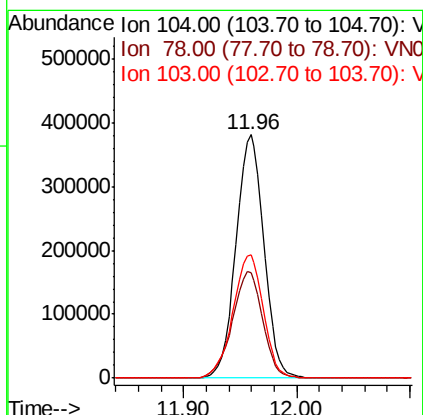
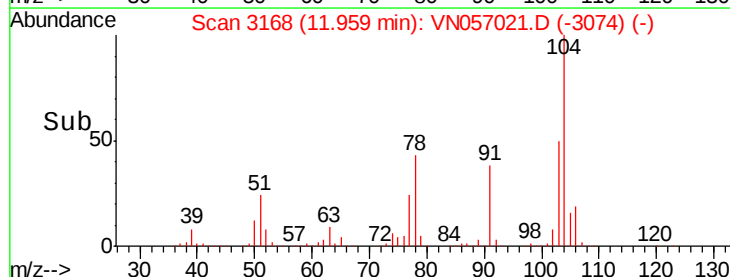
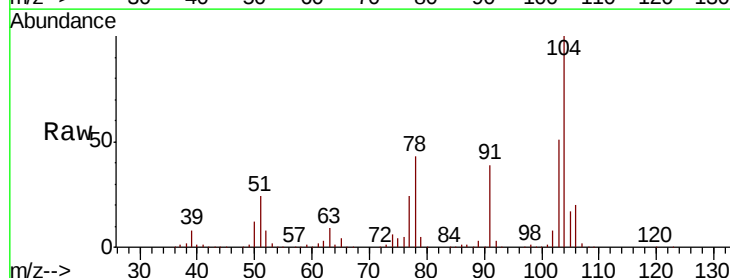
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

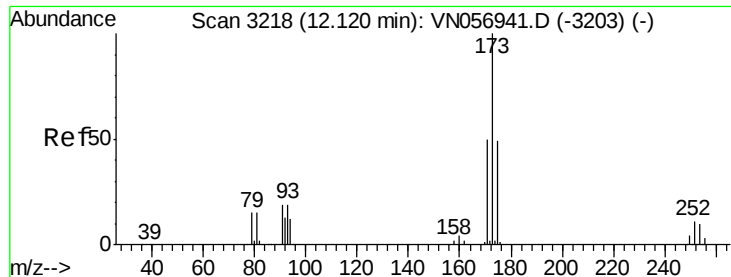
Tot Ion:106 Resp: 395311
Ion Ratio Lower Upper
106 100
91 210.2 106.2 318.6



#70
Styrene
Concen: 49.820 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion:104 Resp: 656758
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.2 44.3 66.5





#71

Bromoform

Concen: 55.756 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

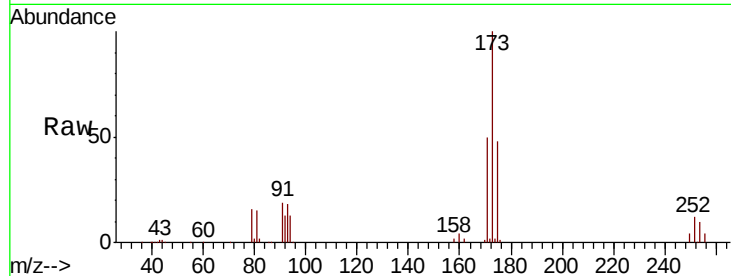
Tot Ion:173 Resp: 175136

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.4

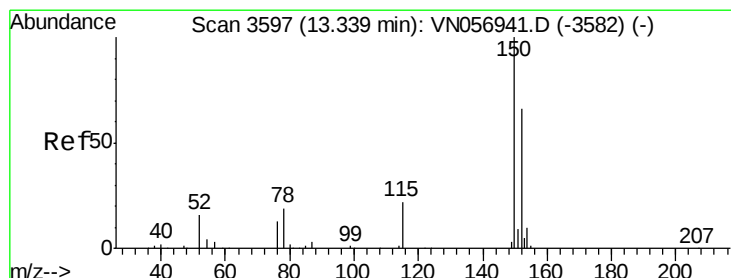
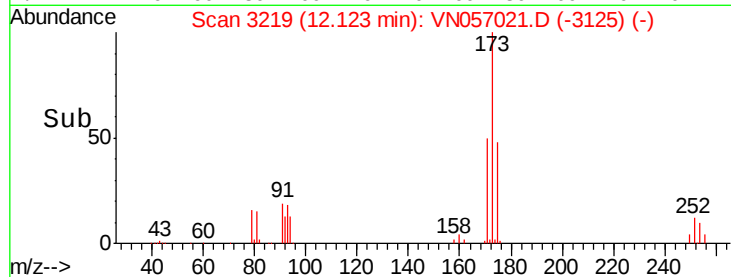
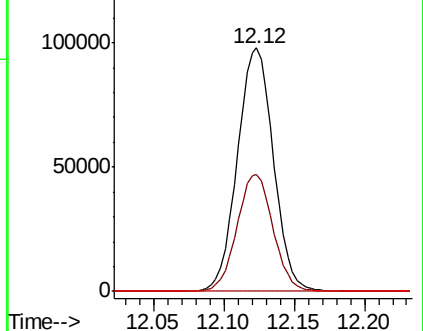
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

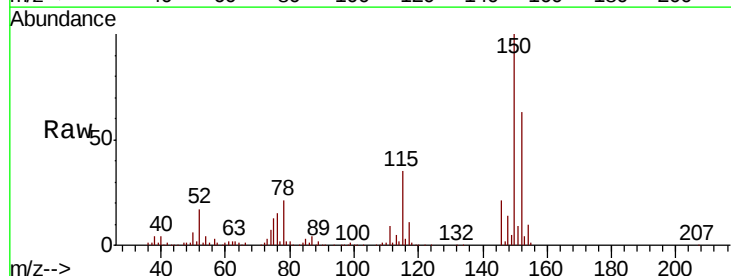
Tgt Ion:152 Resp: 256778

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.6

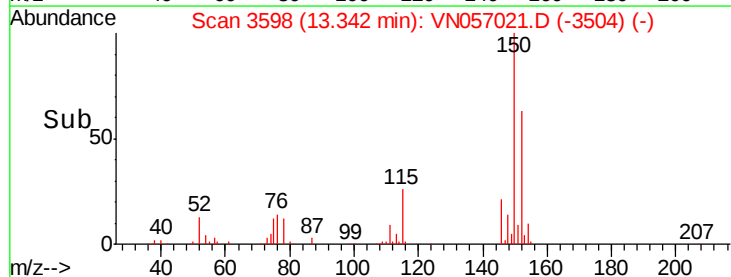
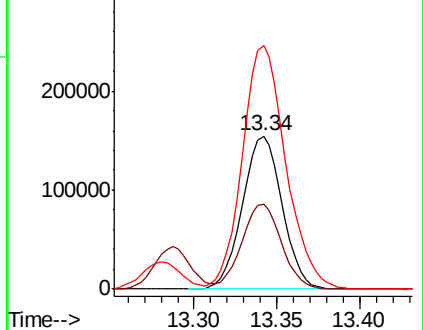
150 174.5 0.0 349.4

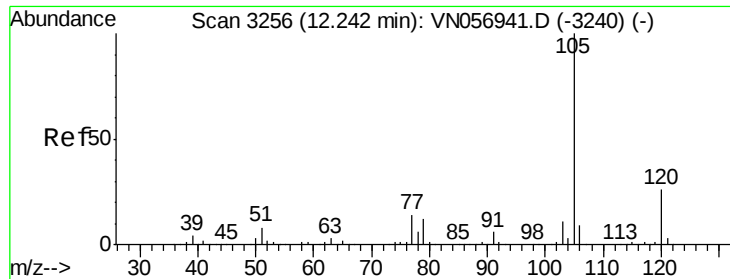


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.319 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

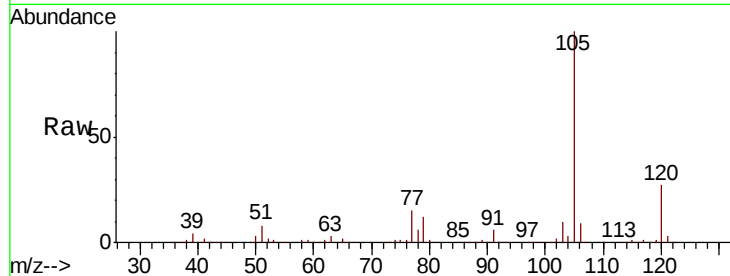
VSTDCCC050EC

Tot Ion:105 Resp: 1050089

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

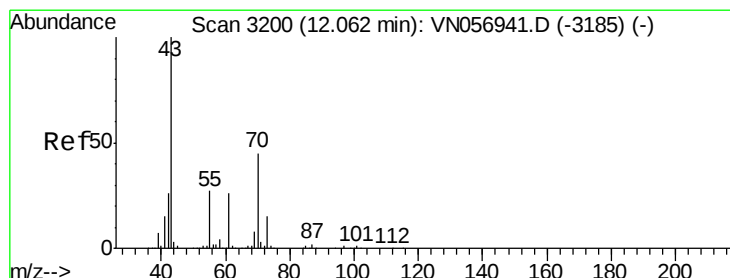
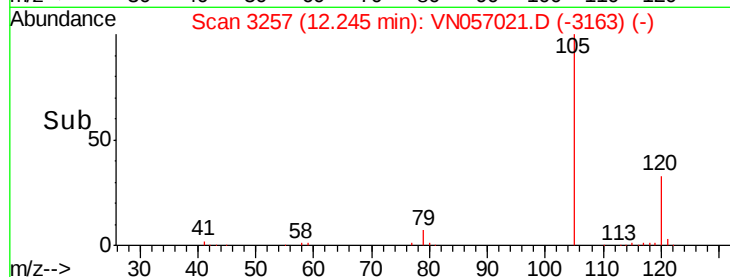
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 51.415 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion: 43 Resp: 331304

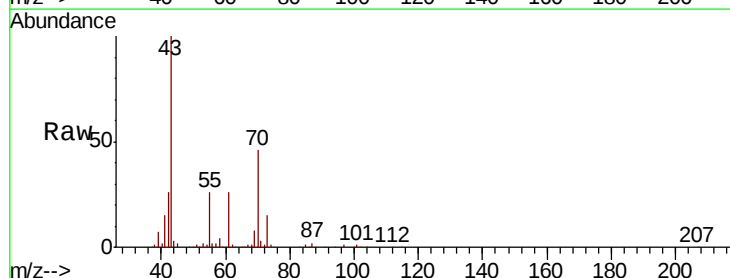
Ion Ratio Lower Upper

43 100

70 46.2 36.5 54.7

55 26.4 21.4 32.0

61 25.5 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

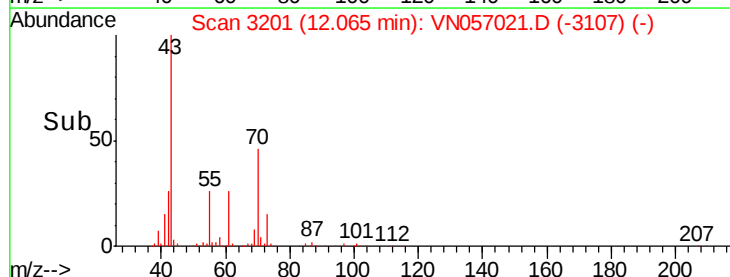
100000

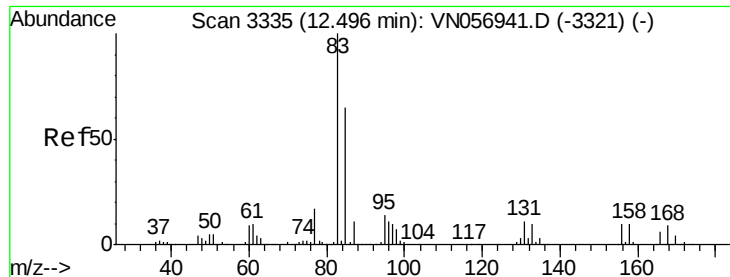
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 52.727 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

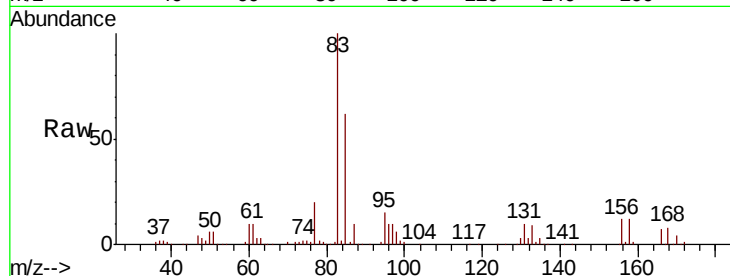
Tot Ion: 83 Resp: 294976

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

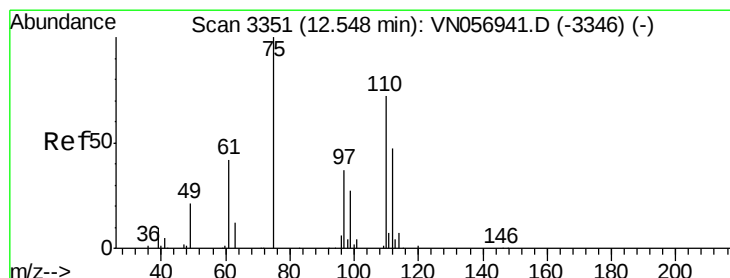
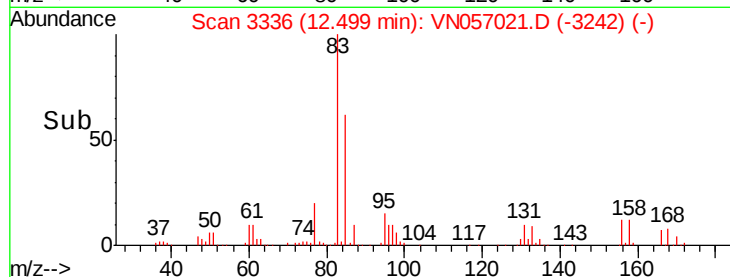
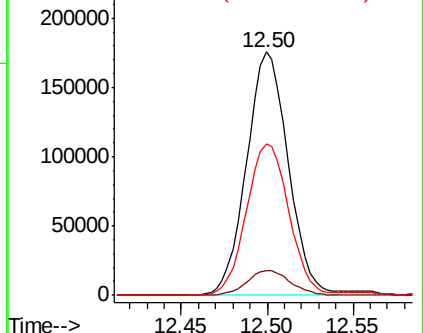
85 63.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 69.704 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057021.D

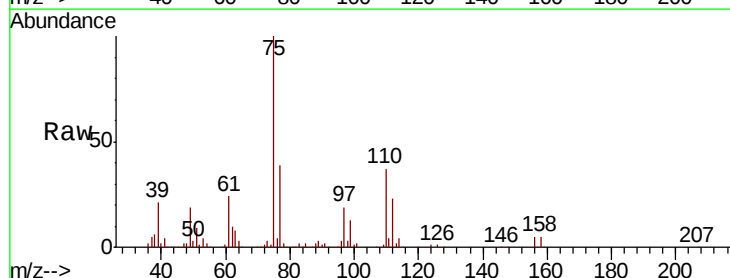
Acq: 31 Jul 2019 17:47

Tgt Ion: 75 Resp: 363489

Ion Ratio Lower Upper

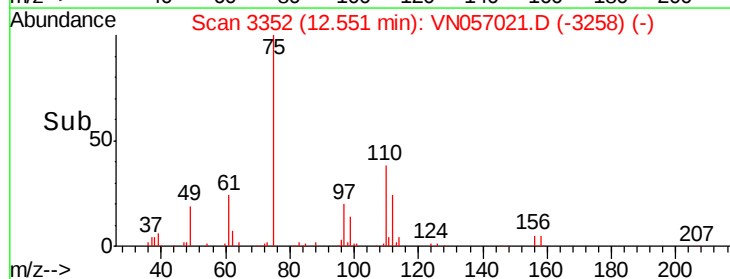
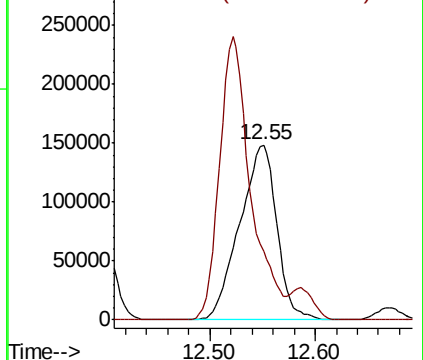
75 100

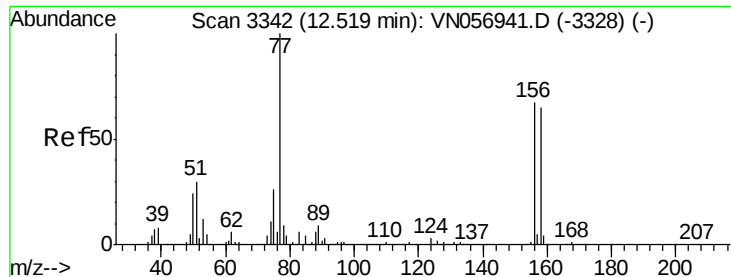
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)





#77

Bromobenzene

Concen: 48.199 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

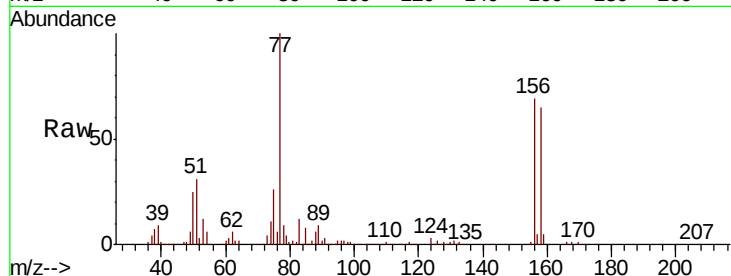
Tot Ion:156 Resp: 279167

Ion Ratio Lower Upper

156 100

77 177.2 89.5 268.5

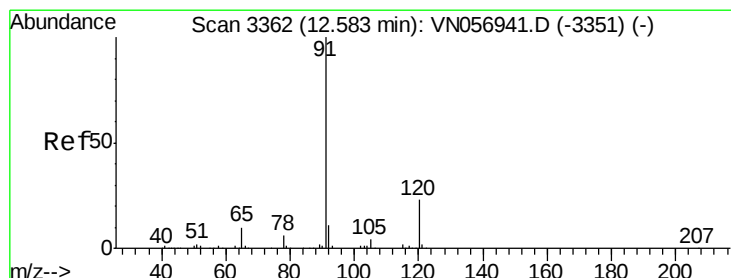
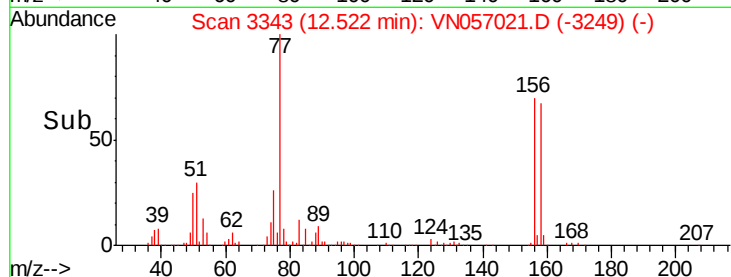
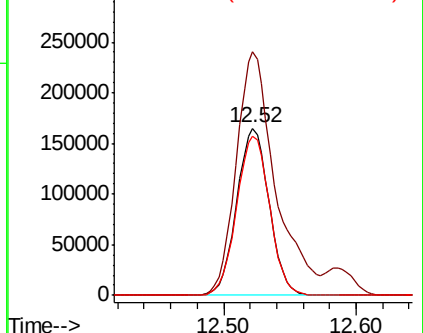
158 97.2 48.4 145.3



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: 48.356 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057021.D

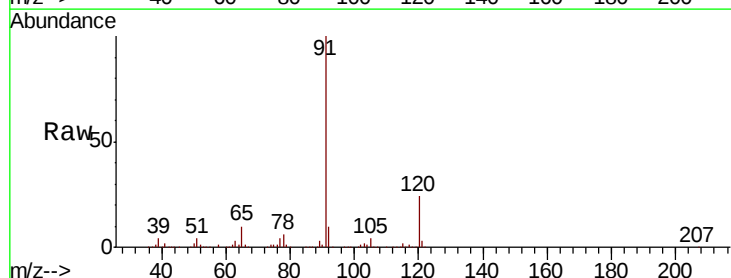
Acq: 31 Jul 2019 17:47

Tgt Ion: 91 Resp: 1145795

Ion Ratio Lower Upper

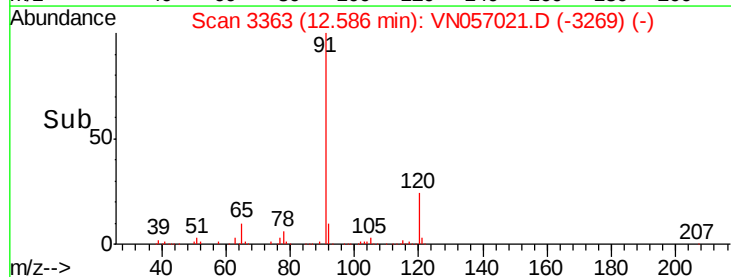
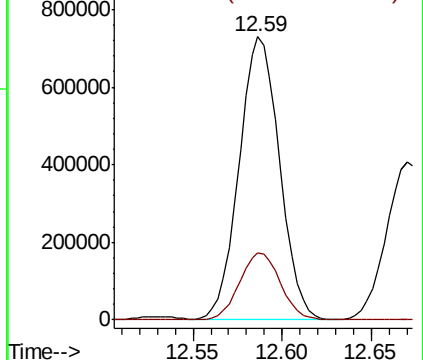
91 100

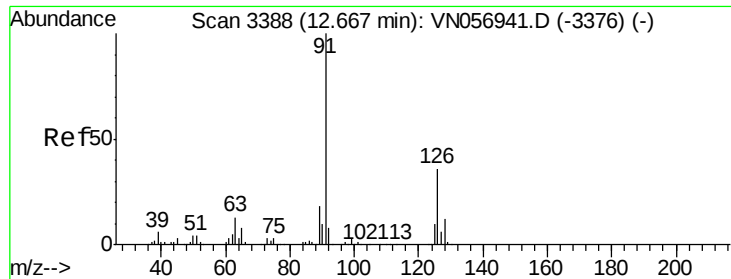
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.963 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

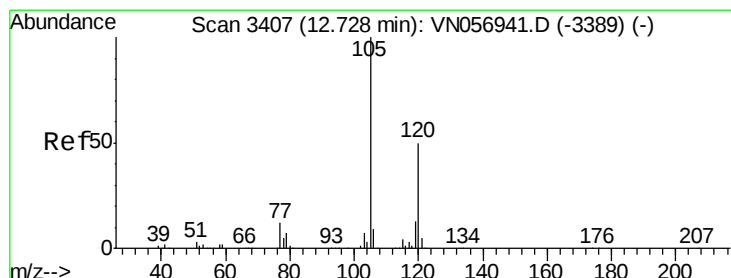
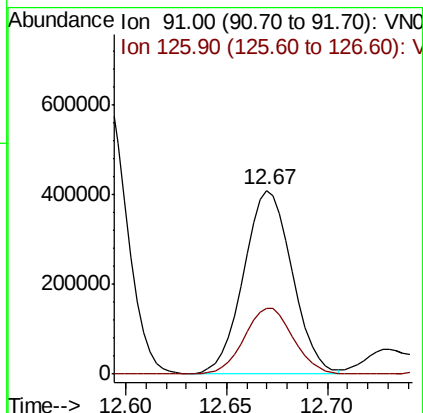
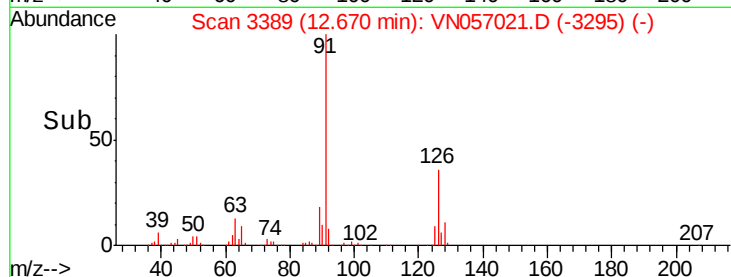
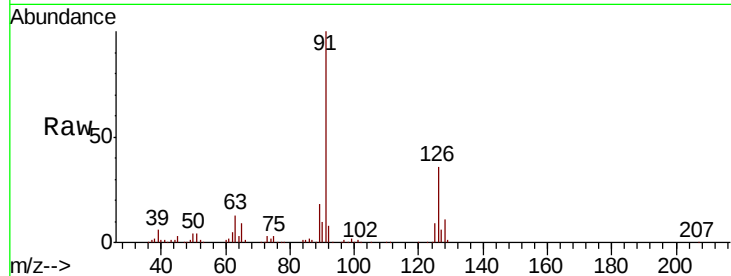
VSTDCCC050EC

Tot Ion: 91 Resp: 685206

Ion Ratio Lower Upper

91 100

126 36.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 48.684 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057021.D

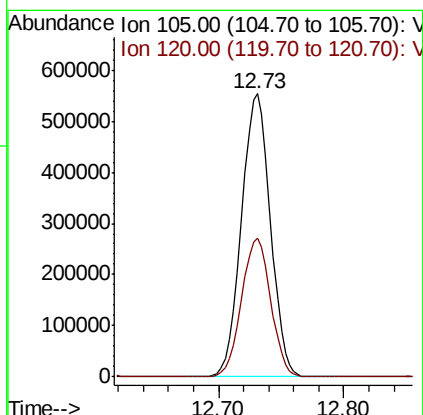
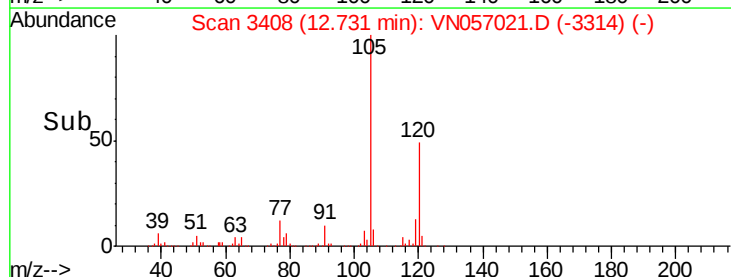
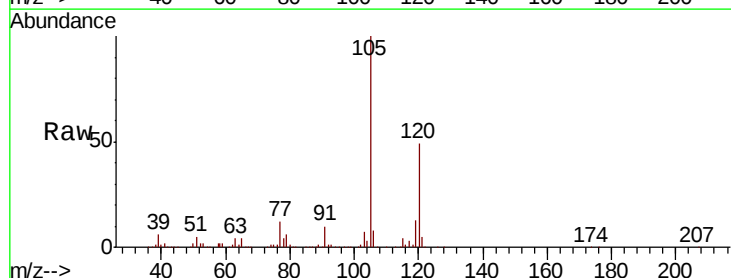
Acq: 31 Jul 2019 17:47

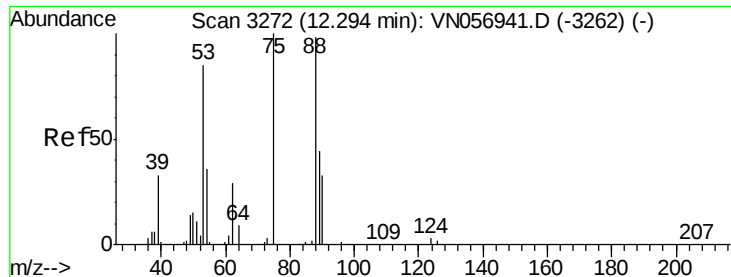
Tgt Ion: 105 Resp: 886703

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.044 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

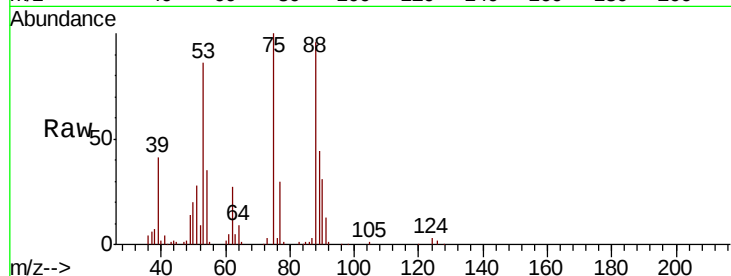
Tot Ion: 75 Resp: 87715

Ion Ratio Lower Upper

75 100

53 88.0 69.3 103.9

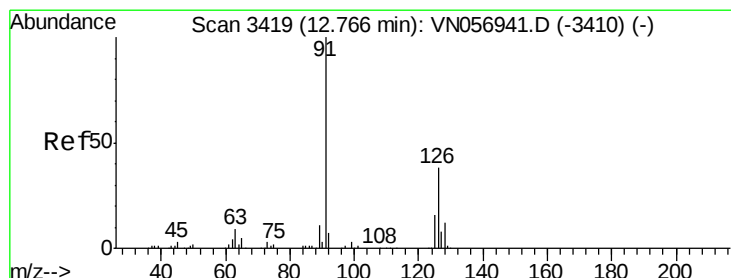
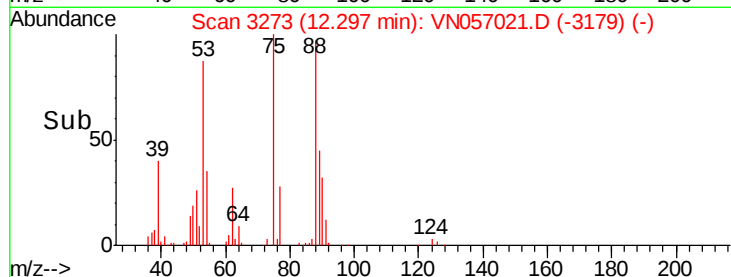
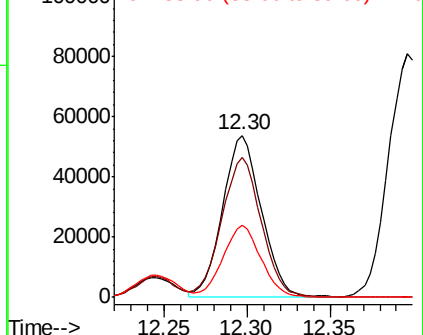
89 43.5 35.8 53.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.427 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057021.D

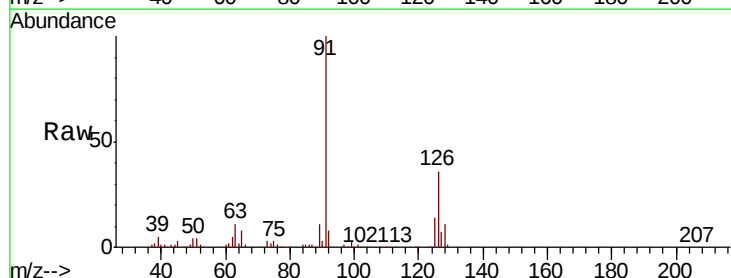
Acq: 31 Jul 2019 17:47

Tgt Ion: 91 Resp: 674880

Ion Ratio Lower Upper

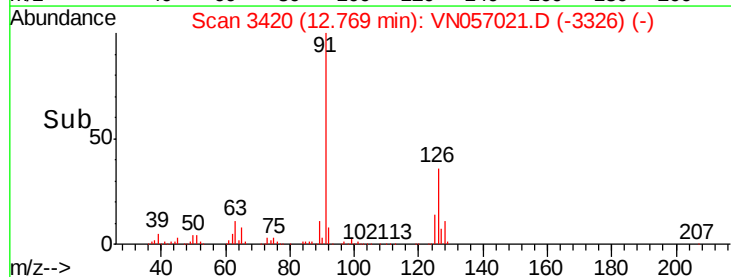
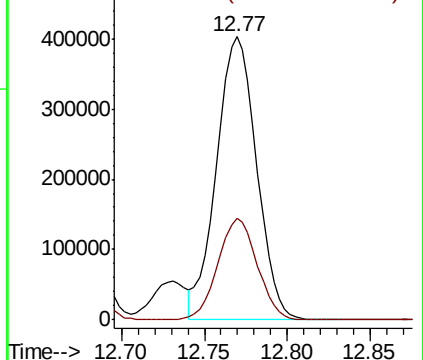
91 100

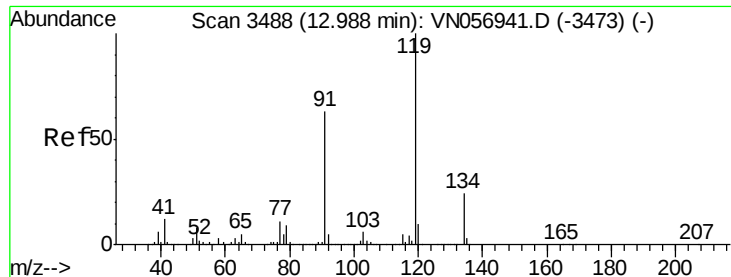
126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

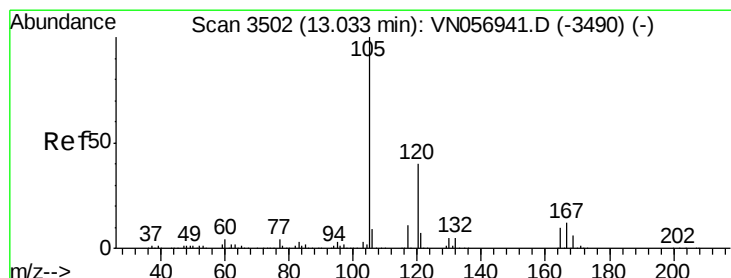
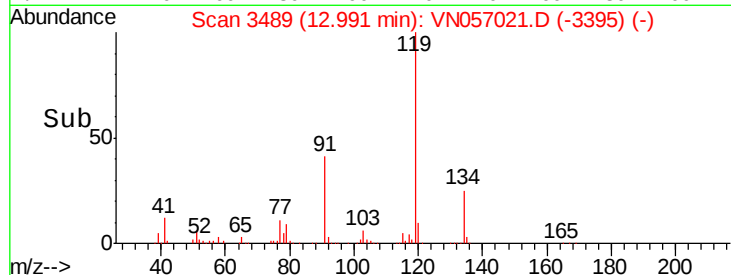
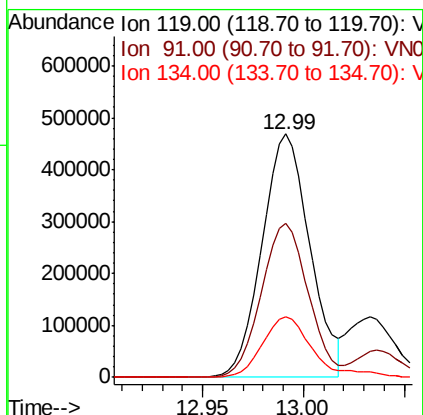
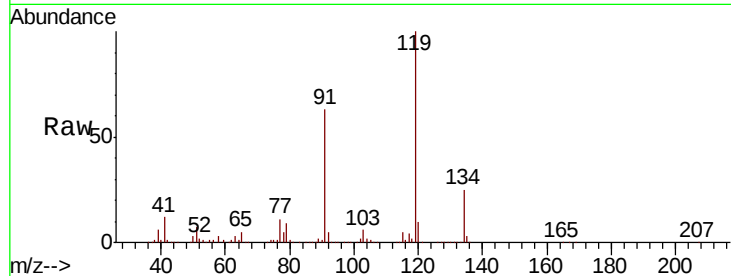




#83
tert-Butylbenzene
Concen: 47.927 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

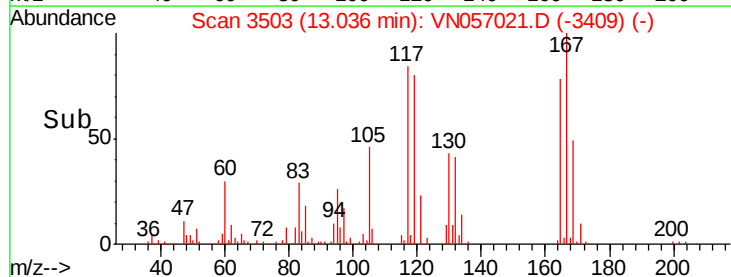
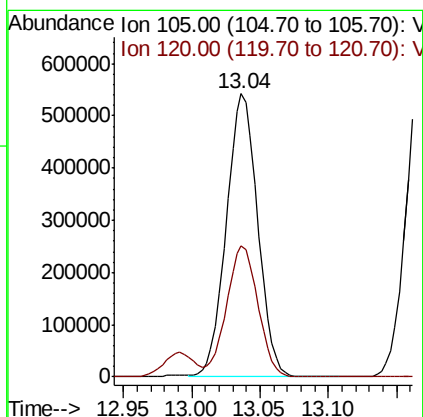
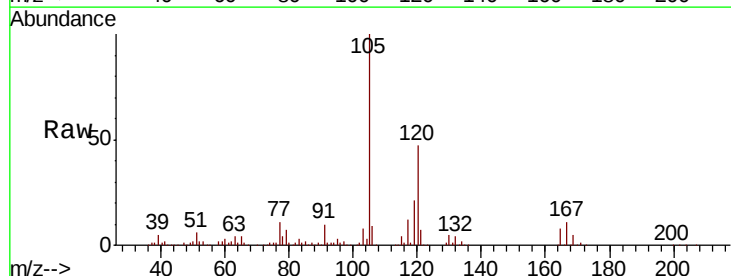
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

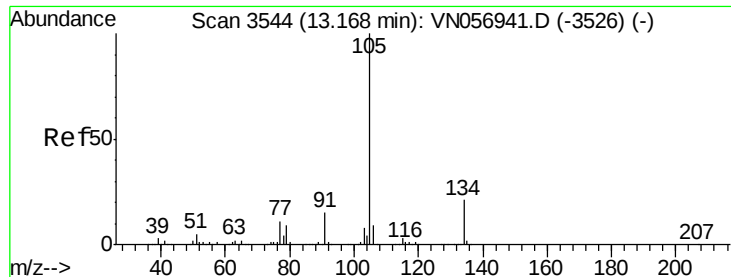
Tot Ion:119 Resp: 772747
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.8
134 26.3 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 49.251 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion:105 Resp: 863141
Ion Ratio Lower Upper
105 100
120 46.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 47.943 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

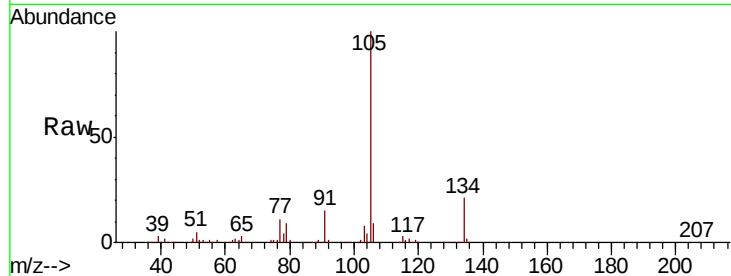
VSTDCCC050EC

Tot Ion:105 Resp: 997073

Ion Ratio Lower Upper

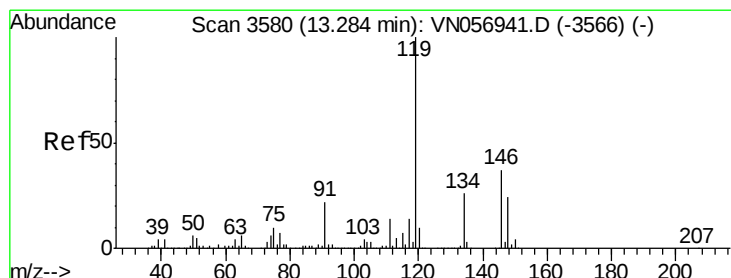
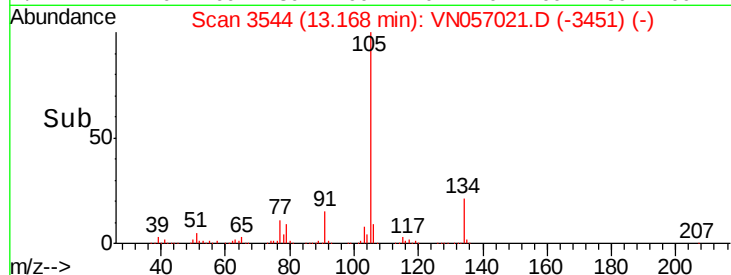
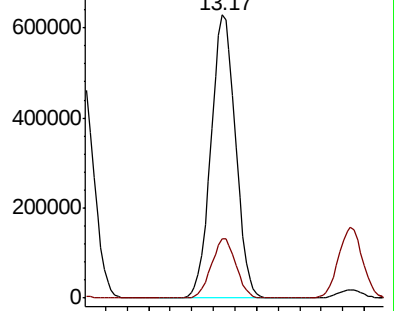
105 100

134 21.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.333 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

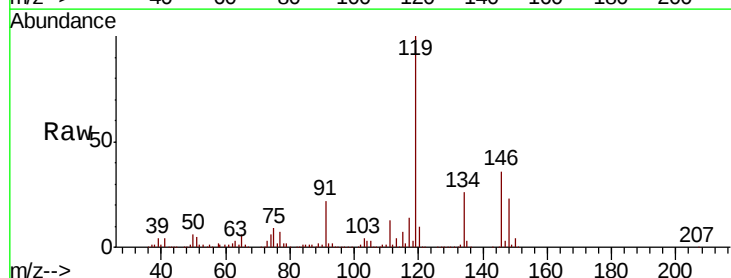
Tgt Ion:119 Resp: 910900

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

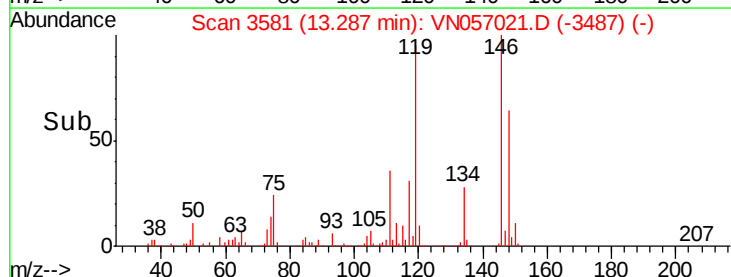
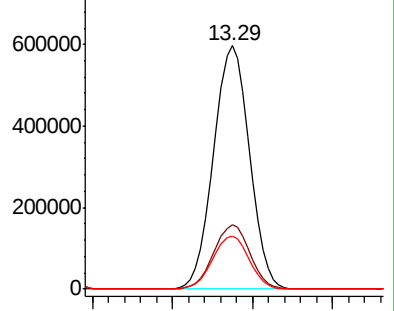
91 22.0 11.0 33.0

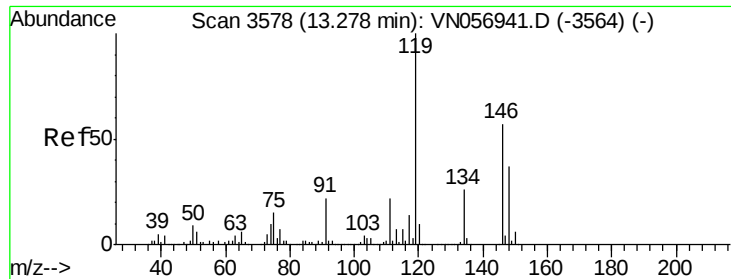


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

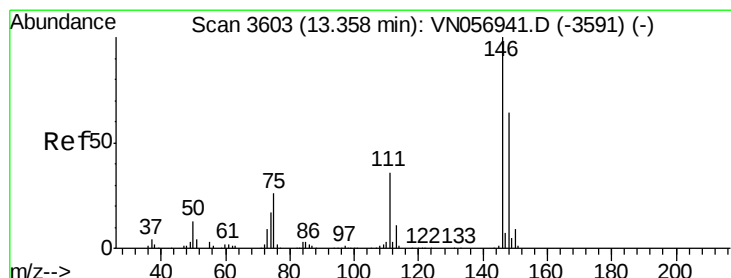
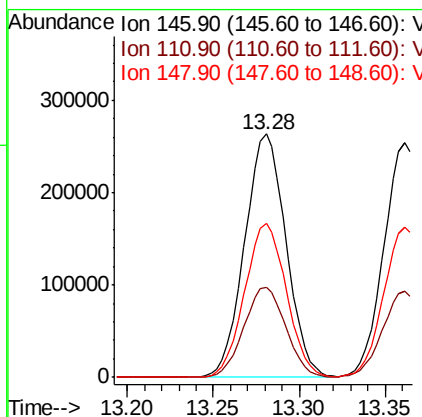
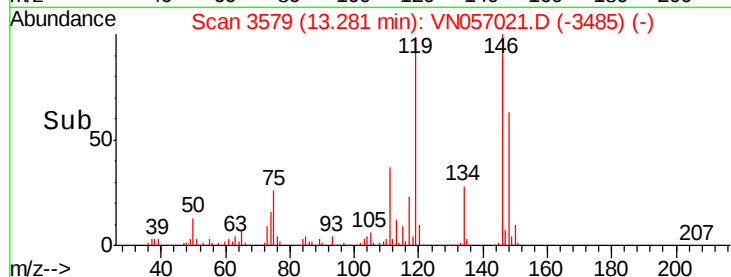
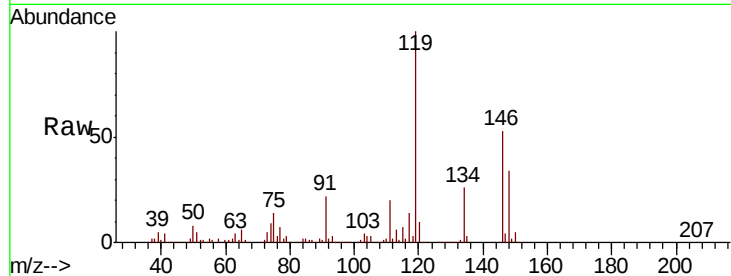




#87
 1,3-Dichlorobenzene
 Concen: 49.904 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

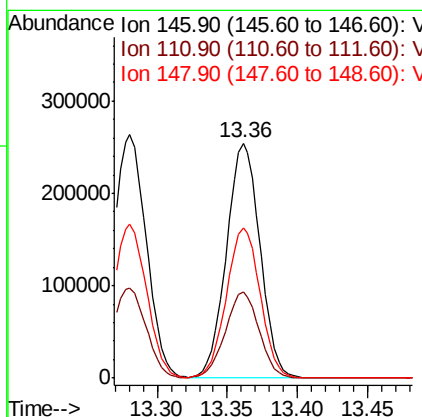
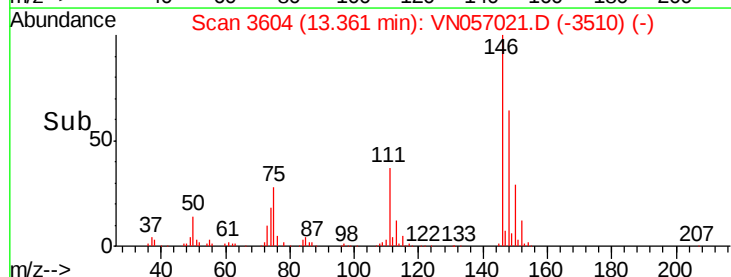
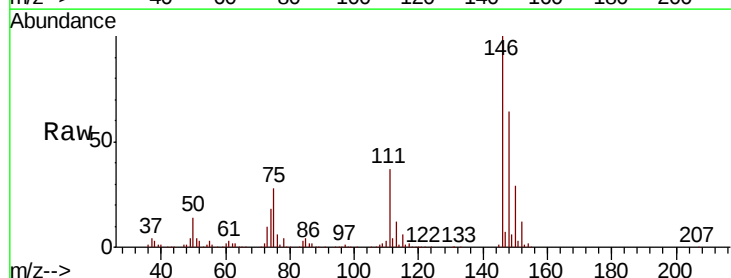
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

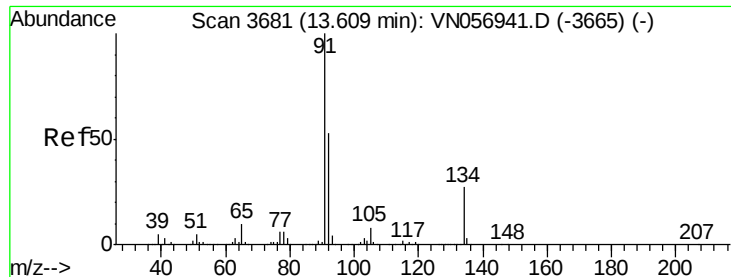
Tot Ion:146 Resp: 439662
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.8
 148 63.8 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.935 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion:146 Resp: 423519
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.2
 148 64.1 32.3 96.9





#89

n-Butylbenzene

Concen: 49.966 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

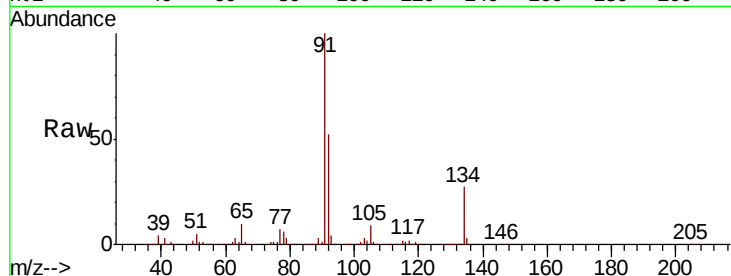
Tot Ion: 91 Resp: 711036

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.5

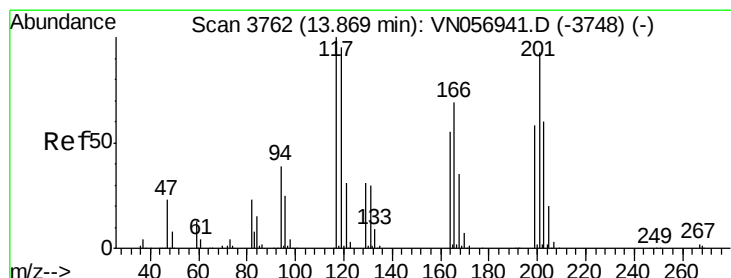
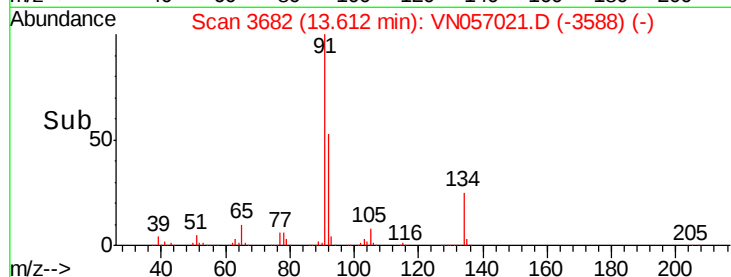
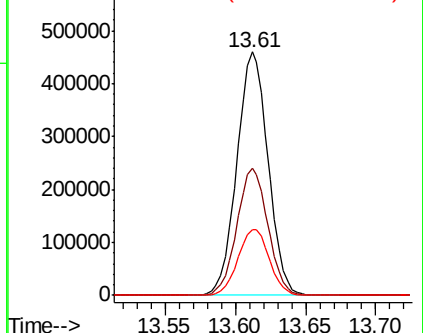
134 27.3 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN056941.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN056941.D (-3665) (-)



#90

Hexachloroethane

Concen: 48.307 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN057021.D

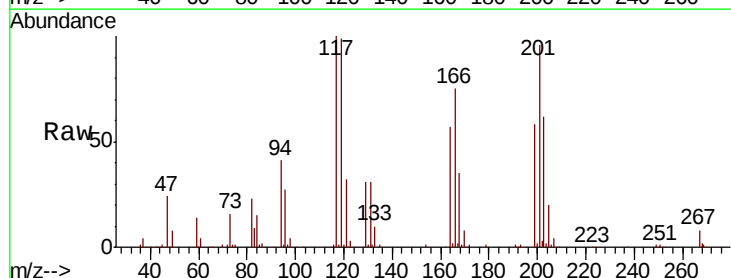
Acq: 31 Jul 2019 17:47

Tgt Ion: 117 Resp: 153585

Ion Ratio Lower Upper

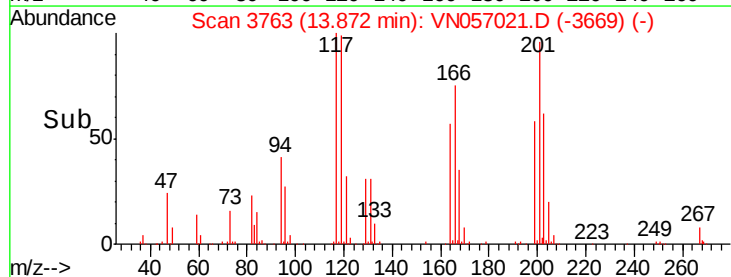
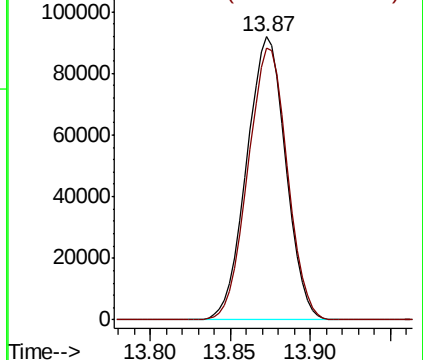
117 100

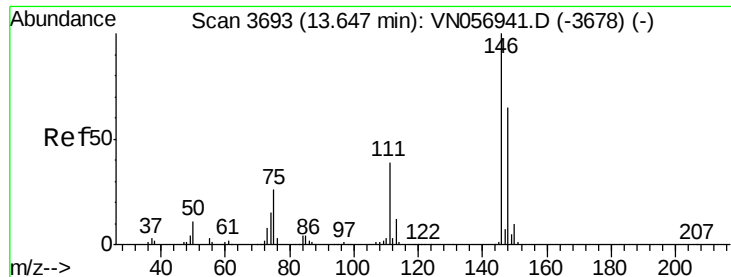
201 96.6 47.0 141.2



Abundance Ion 116.80 (116.50 to 117.50): VN056941.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN056941.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 50.293 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

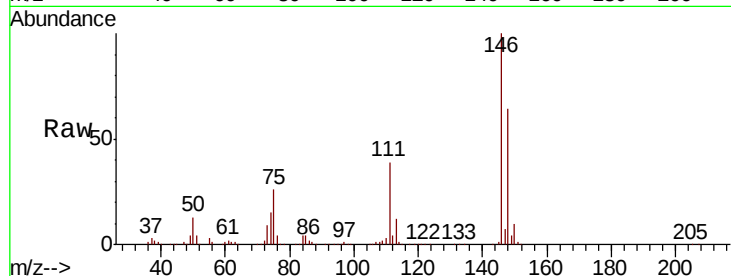
Tot Ion:146 Resp: 436091

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.4

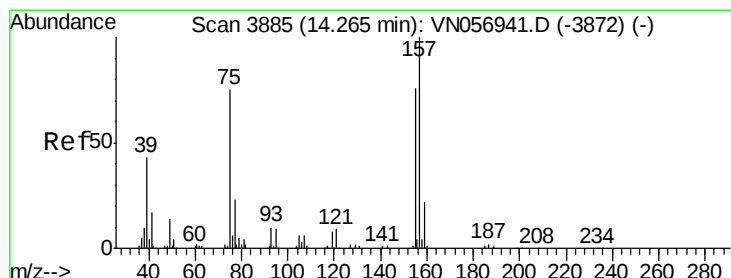
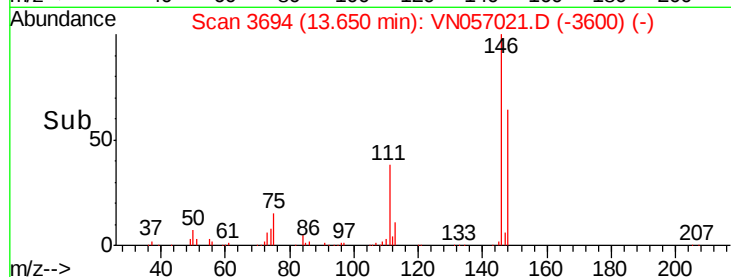
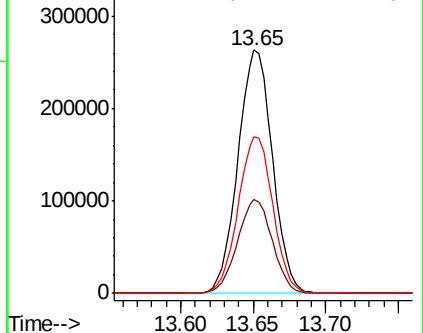
148 64.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.014 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

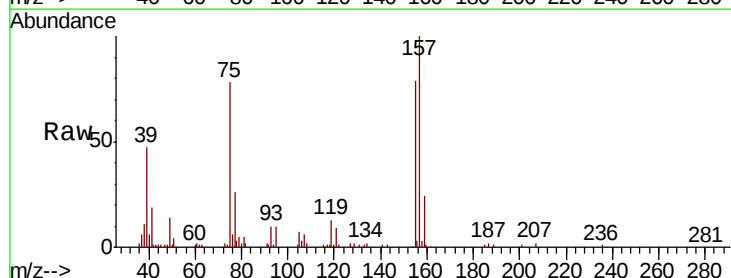
Tgt Ion: 75 Resp: 47675

Ion Ratio Lower Upper

75 100

155 98.0 50.2 150.6

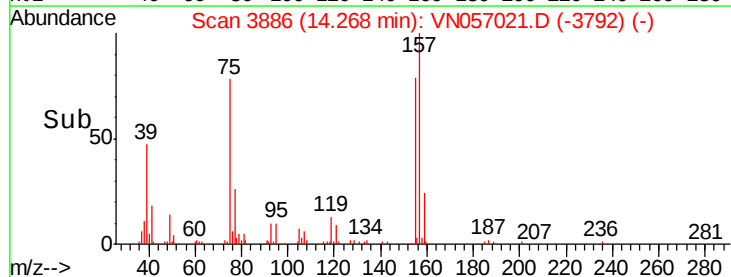
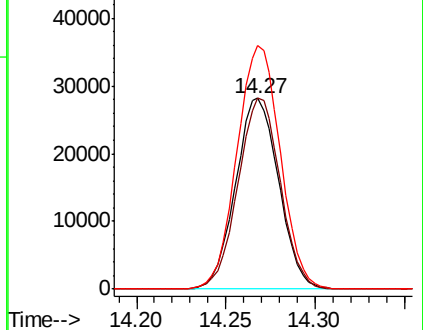
157 128.1 65.1 195.4

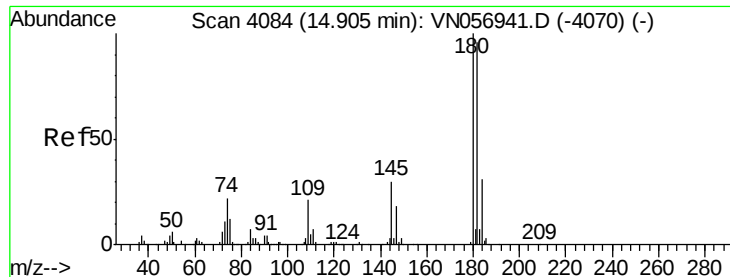


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

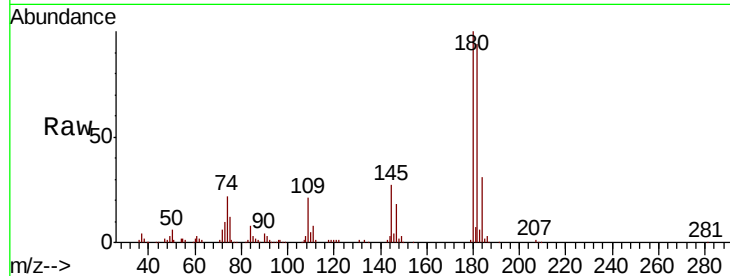




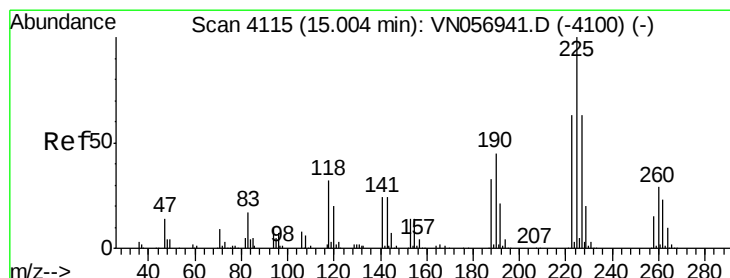
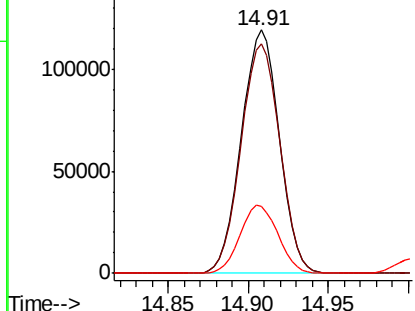
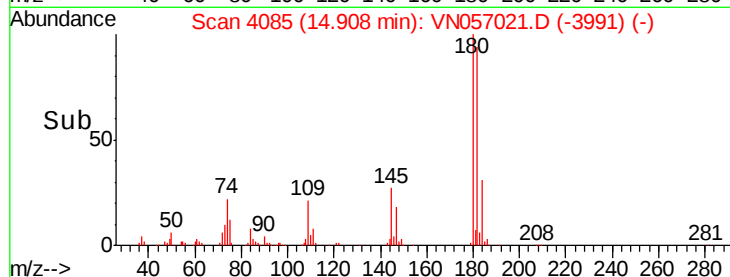
#93
 1,2,4-Trichlorobenzene
 Concen: 43.631 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 193537
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.6 142.8
 145 27.9 14.2 42.8

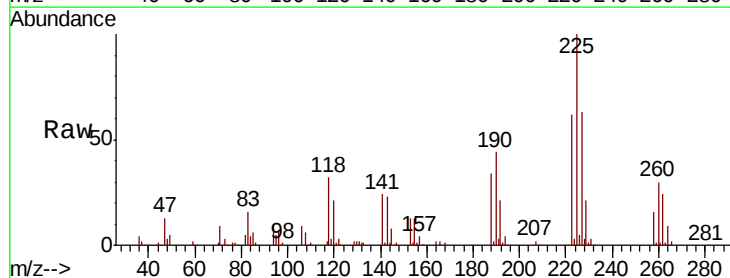


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

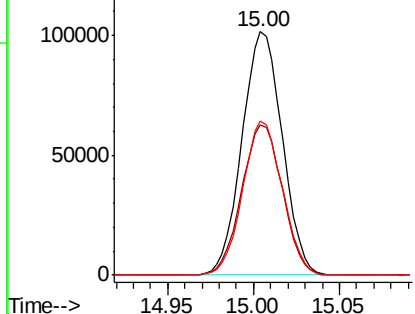
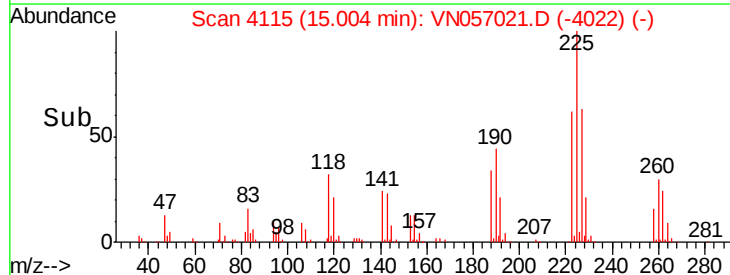


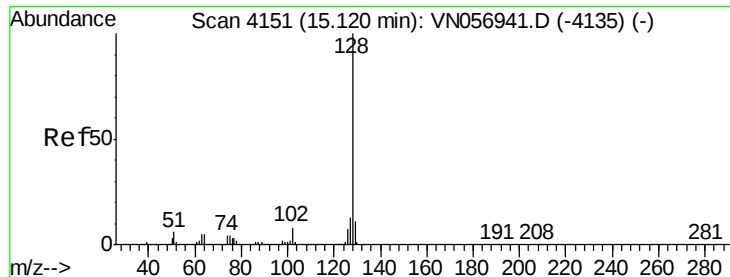
#94
 Hexachlorobutadiene
 Concen: 54.788 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion:225 Resp: 164983
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.8 92.4
 227 62.3 31.1 93.5



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





#95

Naphthalene

Concen: 46.424 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

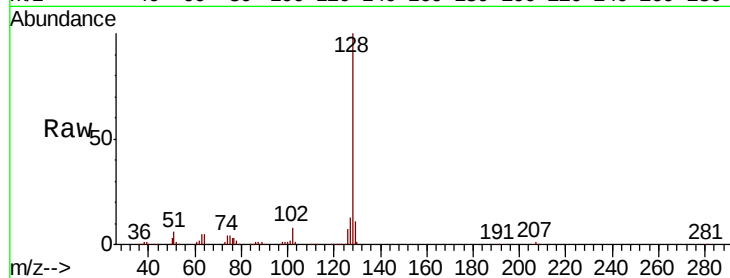
Tot Ion:128 Resp: 503478

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 10.9 8.7 13.1

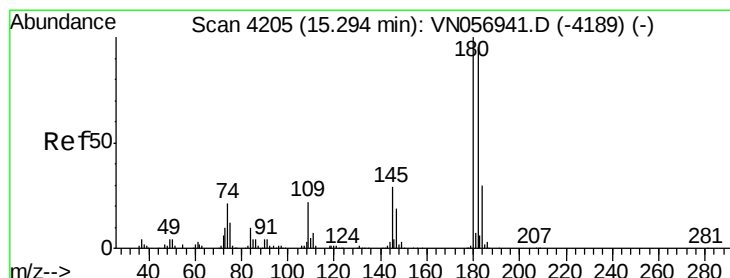
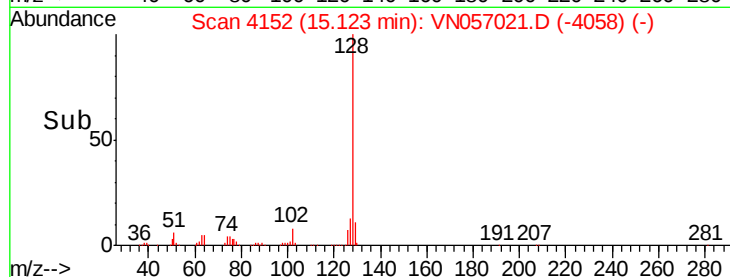
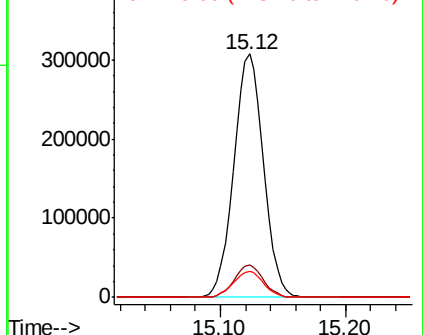


Abundance

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: 47.974 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

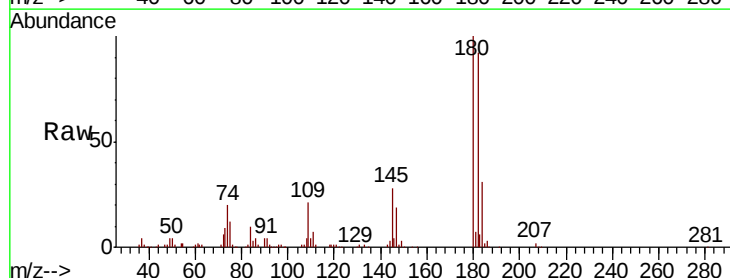
Tgt Ion:180 Resp: 216464

Ion Ratio Lower Upper

180 100

182 95.0 48.0 144.2

145 29.2 15.0 45.0



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

