

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080719\
 Data File : VN057117.D
 Acq On : 7 Aug 2019 20:58
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 08 05:03:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1192440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.00	114	1812143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1675416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	754143	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	1798998	145.76	ug/l	0.00
Spiked Amount			Recovery	=	291.52%	
35) Dibromofluoromethane	6.98	113	1663917	145.82	ug/l	0.00
Spiked Amount			Recovery	=	291.64%	
50) Toluene-d8	9.56	98	6395657	148.63	ug/l	0.00
Spiked Amount			Recovery	=	297.26%	
62) 4-Bromofluorobenzene	11.92	95	2327826	168.20	ug/l	0.00
Spiked Amount			Recovery	=	336.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.82	85	1349069	145.222	ug/l	97
3) Chloromethane	2.00	50	1801736	144.928	ug/l	100
4) Vinyl Chloride	2.11	62	1768419	148.870	ug/l	100
5) Bromomethane	2.39	94	1151175	160.888	ug/l	100
6) Chloroethane	2.53	64	1049006	179.442	ug/l	98
7) Trichlorofluoromethane	2.82	101	2509528	153.143	ug/l	100
8) Diethyl Ether	3.13	74	994090	148.721	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.43	101	1491258	143.738	ug/l	98
10) Methyl Iodide	3.62	142	2458211	198.053	ug/l	99
11) Tert butyl alcohol	4.24	59	1302796	971.345	ug/l	100
12) 1,1-Dichloroethene	3.43	96	1557258	149.761	ug/l	98
13) Acrolein	3.30	56	793055	705.657	ug/l	99
14) Allyl chloride	3.91	41	2286945	146.484	ug/l	100
15) Acrylonitrile	4.44	53	3710588	849.721	ug/l	99
16) Acetone	3.47	43	2722760	720.423	ug/l	100
17) Carbon Disulfide	3.72	76	4295295	168.843	ug/l	99
18) Methyl Acetate	3.89	43	1655624	126.605	ug/l	98
19) Methyl tert-butyl Ether	4.49	73	4760387	156.327	ug/l	99
20) Methylene Chloride	4.09	84	1767994	148.033	ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	1652784	150.858	ug/l	99
22) Diisopropyl ether	5.31	45	4791866	146.174	ug/l	96
23) Vinyl Acetate	5.26	43	19585693	800.051	ug/l	99
24) 1,1-Dichloroethane	5.24	63	2913152	144.357	ug/l	99
25) 2-Butanone	6.20	43	4501209	834.928	ug/l	99
26) 2,2-Dichloropropane	6.21	77	2199951	143.013	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	1920138	150.131	ug/l	99
28) Bromochloromethane	6.58	49	1310622	146.771	ug/l	99
29) Tetrahydrofuran	6.60	42	2946165	839.998	ug/l	100
30) Chloroform	6.75	83	2978136	147.239	ug/l	99
31) Cyclohexane	7.06	56	2543020	142.345	ug/l	97
32) 1,1,1-Trichloroethane	6.97	97	2645480	156.879	ug/l	99
36) 1,1-Dichloropropene	7.20	75	2307511	146.594	ug/l	100
37) Ethyl Acetate	6.28	43	1839762	153.324	ug/l #	99
38) Carbon Tetrachloride	7.18	117	2355930	155.350	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	2741304	150.468	ug/l	97
40) Benzene	7.46	78	6987285	143.824	ug/l	99
41) Methacrylonitrile	6.54	41	1038370	205.667	ug/l	96
42) 1,2-Dichloroethane	7.54	62	2187910	143.861	ug/l	100
43) Isopropyl Acetate	7.56	43	3233730	147.763	ug/l	99
44) Trichloroethene	8.27	130	1976392	148.898	ug/l	99
45) 1,2-Dichloropropane	8.56	63	1832559	145.861	ug/l	99
46) Dibromomethane	8.65	93	1174968	150.187	ug/l	99
47) Bromodichloromethane	8.85	83	2390037	159.252	ug/l	98
48) Methyl methacrylate	8.63	41	1520913	157.929	ug/l	99
49) 1,4-Dioxane	8.64	88	623799	3187.959	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	9639347	881.884	ug/l	99
52) Toluene	9.63	92	4452531	150.955	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	2645786	168.059	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	2942017	159.377	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	1716734	152.510	ug/l	98
56) Ethyl methacrylate	9.90	69	2714260	175.996	ug/l	99
57) 1,3-Dichloropropane	10.19	76	2863143	153.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	5068123	910.865	ug/l	99
59) 2-Hexanone	10.24	43	6843570	872.695	ug/l	100
60) Dibromochloromethane	10.39	129	2017602	172.261	ug/l	100
61) 1,2-Dibromoethane	10.50	107	1843031	160.305	ug/l	100
64) Tetrachloroethene	10.11	164	1882076	133.529	ug/l	96
65) Chlorobenzene	10.93	112	5015056	148.267	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	1892900	151.883	ug/l	100
67) Ethyl Benzene	11.01	91	8804956	151.229	ug/l	100
68) m/p-Xylenes	11.12	106	6697084	305.370	ug/l	99
69) o-Xylene	11.46	106	3259668	151.296	ug/l	100
70) Styrene	11.47	104	5682867	165.404	ug/l	99
71) Bromoform	11.64	173	1553485	176.467	ug/l #	99
73) Isopropylbenzene	11.76	105	8827260	144.085	ug/l	99
74) N-amyl acetate	11.58	43	2727092	151.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	2293992	133.117	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	2946013	206.921	ug/l #	100
77) Bromobenzene	12.04	156	2360524	144.684	ug/l	99
78) n-propylbenzene	12.11	91	9960095	158.524	ug/l	100
79) 2-Chlorotoluene	12.20	91	5882657	146.340	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	7558272	147.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	768790	170.348	ug/l	95
82) 4-Chlorotoluene	12.29	91	5842762	154.993	ug/l	99
83) tert-Butylbenzene	12.52	119	6666460	147.409	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	7306392	149.346	ug/l	99
85) sec-Butylbenzene	12.70	105	8641266	154.790	ug/l	99
86) p-Isopropyltoluene	12.82	119	7858196	159.264	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	3742822	148.552	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	3628768	149.761	ug/l	100
89) n-Butylbenzene	13.15	91	6097418	161.689	ug/l	99
90) Hexachloroethane	13.41	117	1355983	158.605	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	3512351	140.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	392397	160.343	ug/l	97

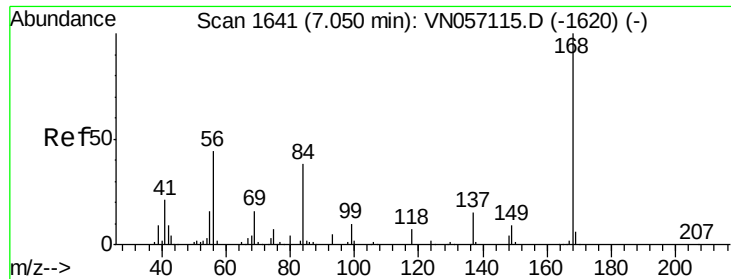
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	1862513	165.615	ug/l	100
94) Hexachlorobutadiene	14.55	225	1262512	126.213	ug/l	99
95) Naphthalene	14.66	128	4563415	199.370	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	1912448	166.043	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

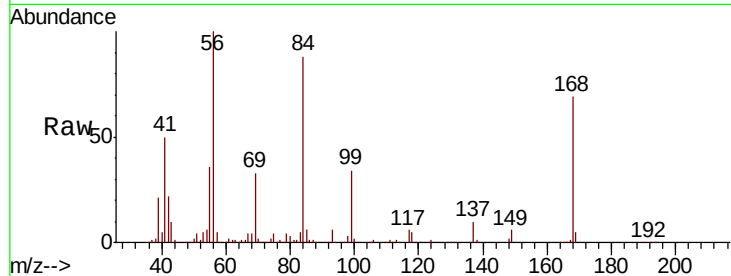
VSTDIC150

Tgt Ion:168 Resp: 1192440

Ion Ratio Lower Upper

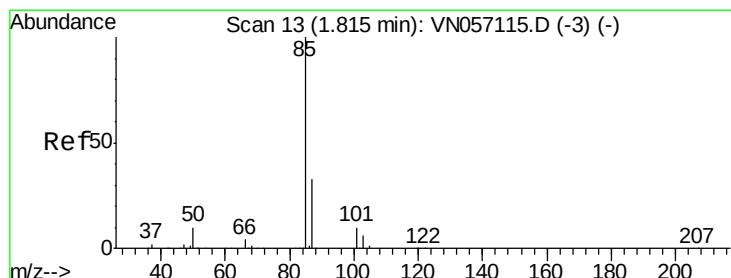
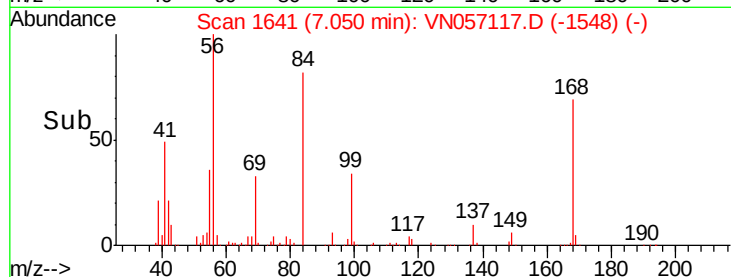
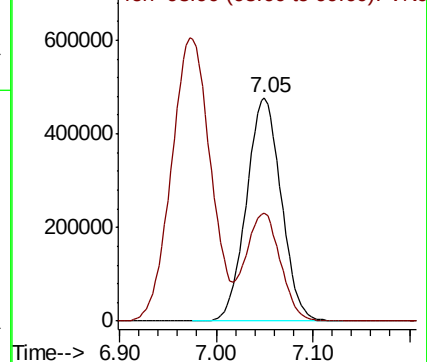
168 100

99 48.2 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 145.222 ug/l

RT: 1.82 min Scan# 13

Delta R.T. -0.00 min

Lab File: VN057117.D

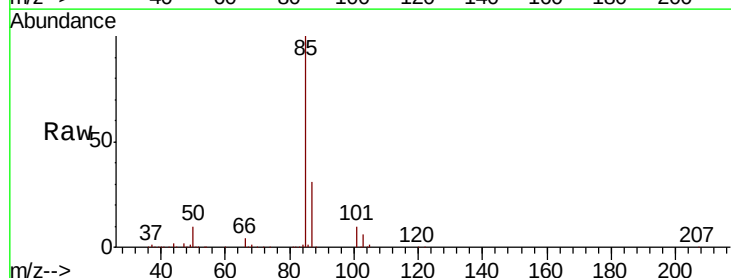
Acq: 7 Aug 2019 20:58

Tgt Ion: 85 Resp: 1349069

Ion Ratio Lower Upper

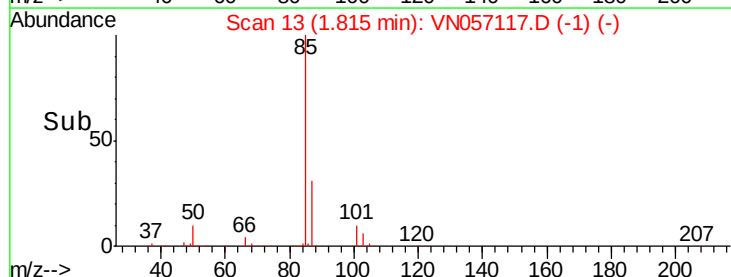
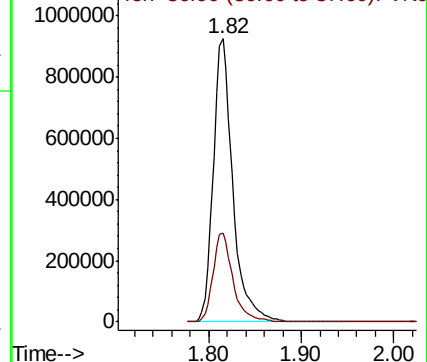
85 100

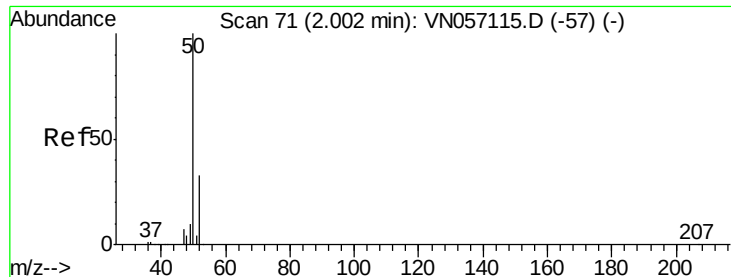
87 31.4 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 144.928 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

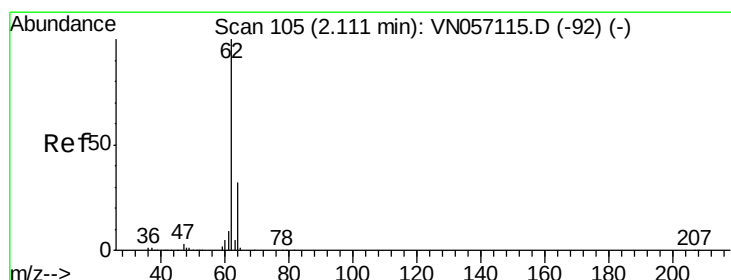
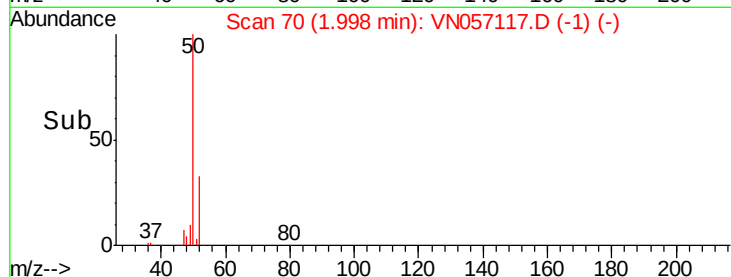
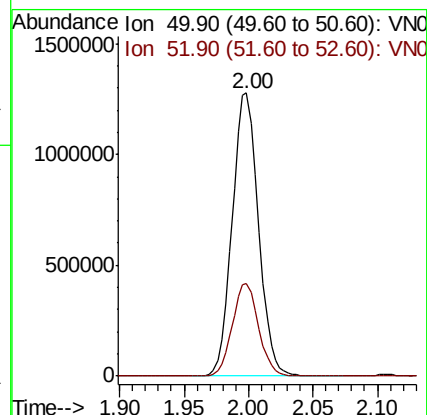
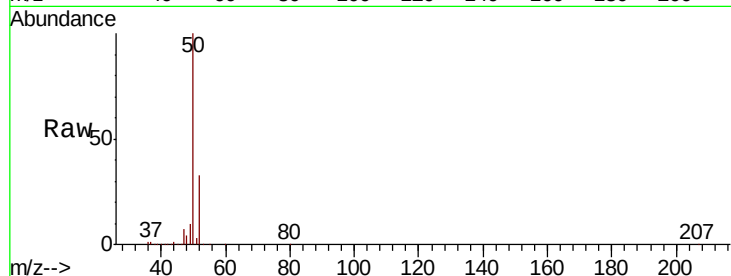
VSTDIC150

Tgt Ion: 50 Resp: 1801736

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 148.870 ug/l

RT: 2.11 min Scan# 104

Delta R.T. -0.00 min

Lab File: VN057117.D

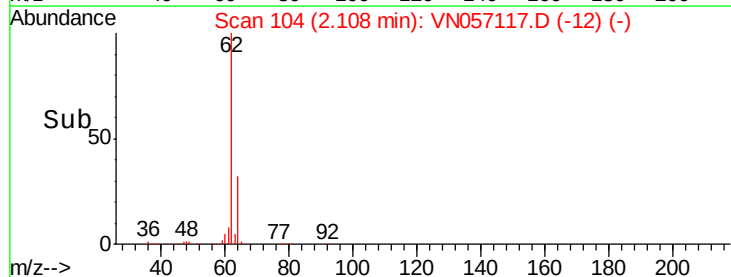
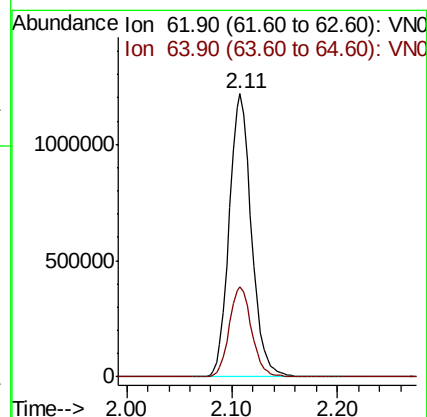
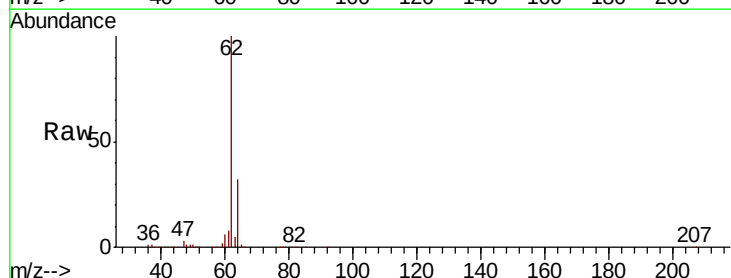
Acq: 7 Aug 2019 20:58

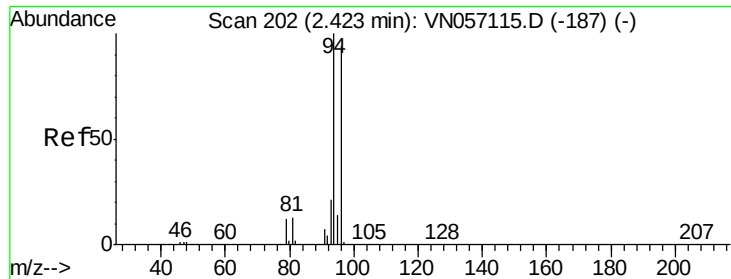
Tgt Ion: 62 Resp: 1768419

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 160.888 ug/l

RT: 2.39 min Scan# 191

Delta R.T. -0.04 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

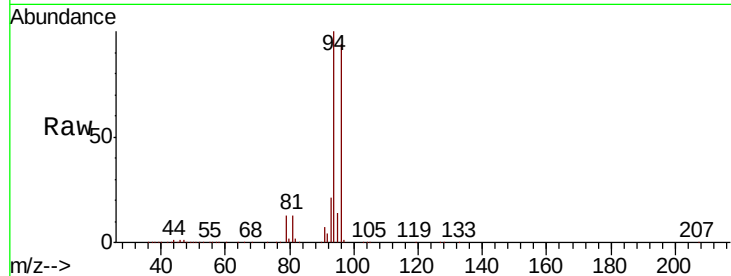
VSTDIC150

Tgt Ion: 94 Resp: 1151175

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN057117.D (-187) (-)

Ion 95.90 (95.60 to 96.60): VN057117.D (-187) (-)

2.39

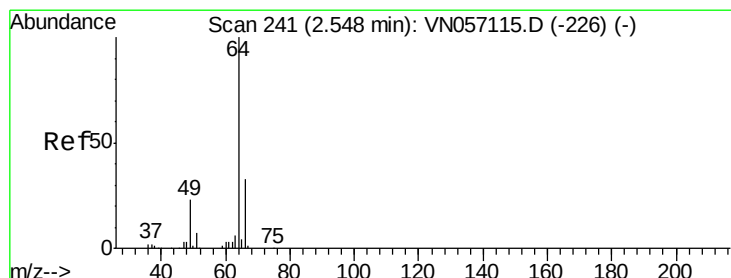
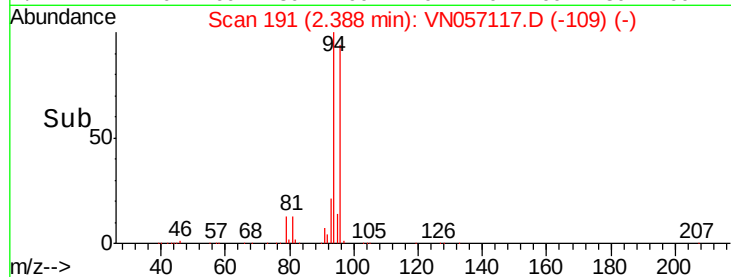
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 179.442 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN057117.D

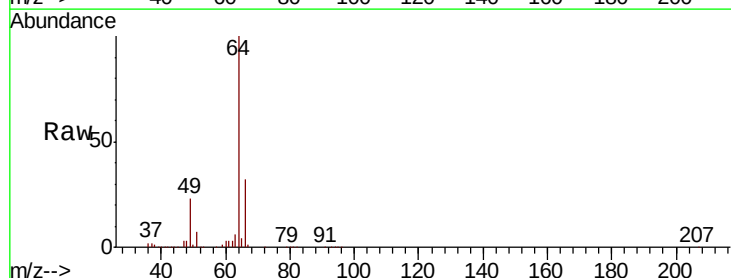
Acq: 7 Aug 2019 20:58

Tgt Ion: 64 Resp: 1049006

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN057117.D (-226) (-)

Ion 65.90 (65.60 to 66.60): VN057117.D (-226) (-)

2.53

600000

500000

400000

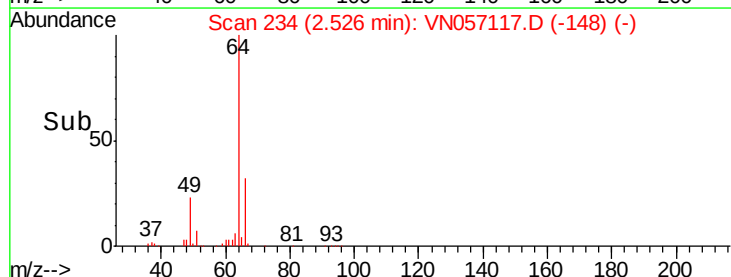
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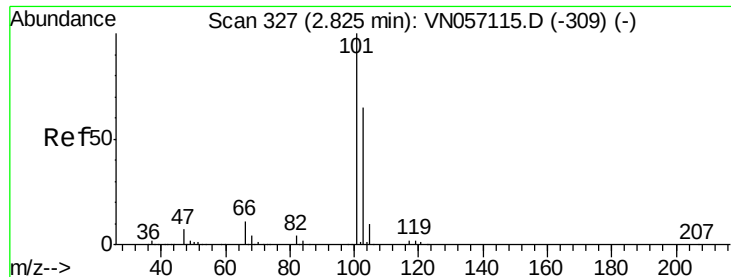
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100000

0

Time-->



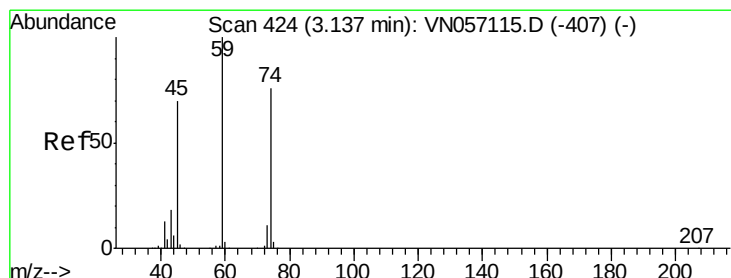
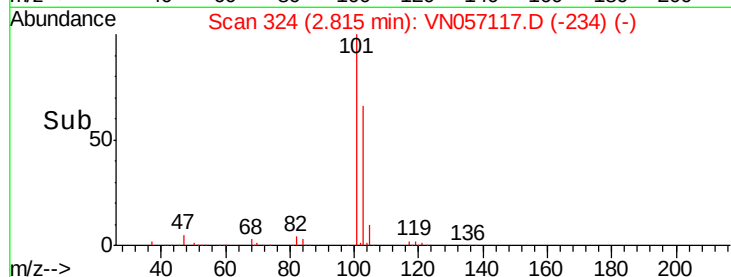
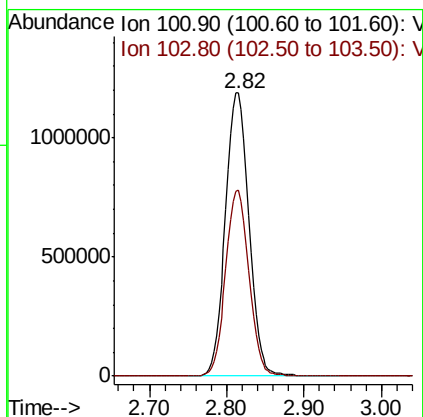
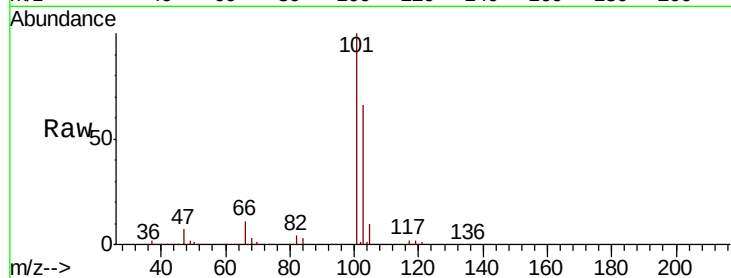


#7

Trichlorofluoromethane
Concen: 153.143 ug/l
RT: 2.82 min Scan# 324
Delta R.T. -0.01 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

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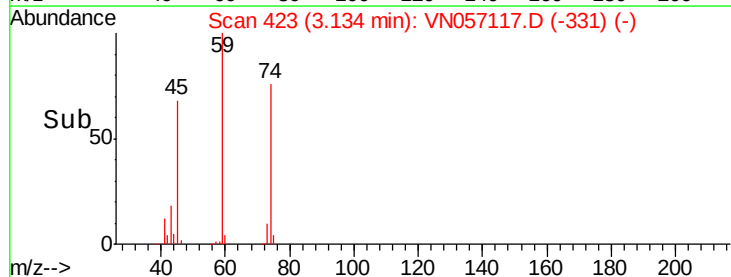
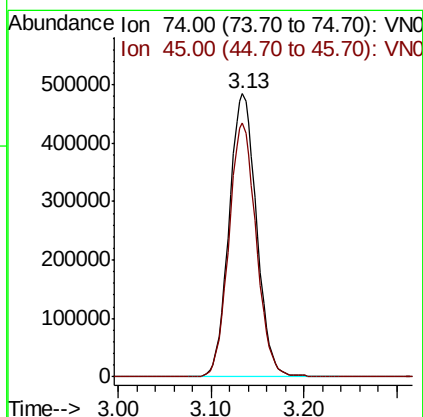
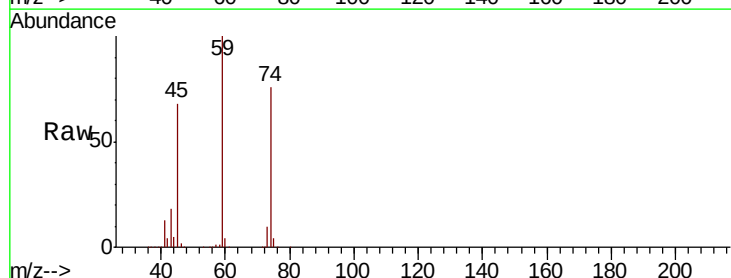
Tgt Ion:101 Resp: 2509528
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.4

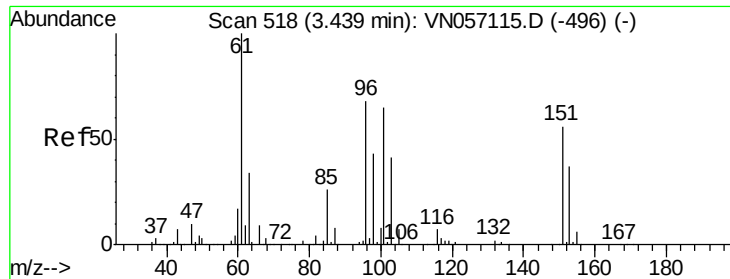


#8

Diethyl Ether
Concen: 148.721 ug/l
RT: 3.13 min Scan# 423
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 74 Resp: 994090
Ion Ratio Lower Upper
74 100
45 89.1 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.738 ug/l

RT: 3.43 min Scan# 515

Delta R.T. -0.01 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

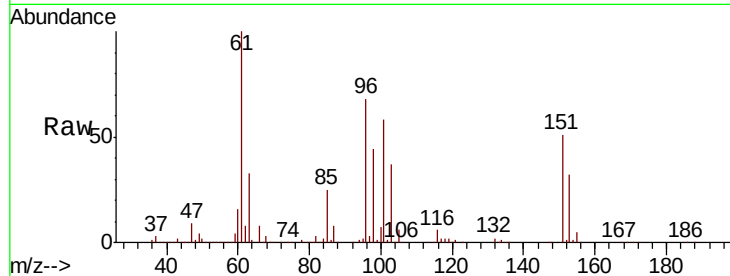
Tgt Ion:101 Resp: 1491258

Ion Ratio Lower Upper

101 100

85 41.5 32.3 48.5

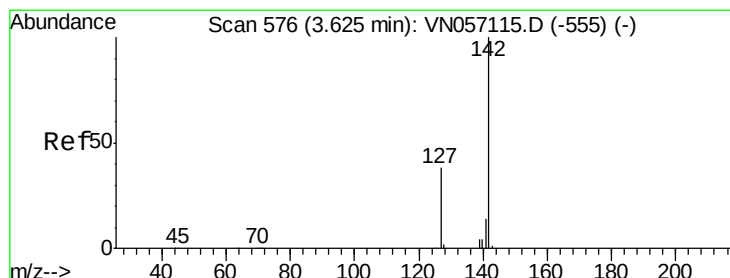
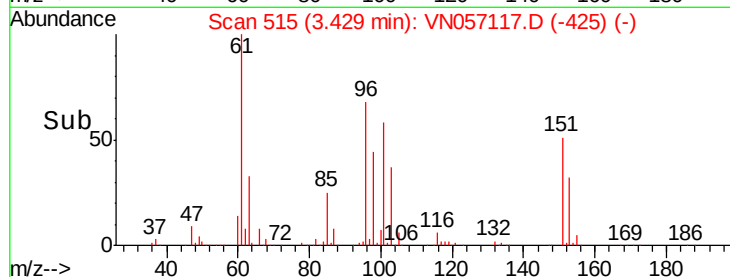
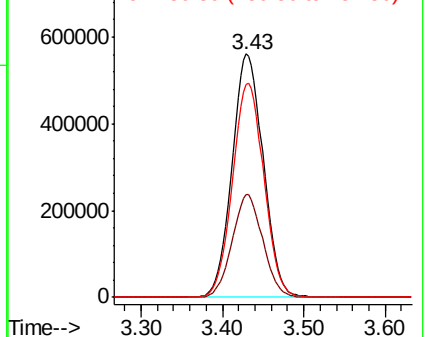
151 88.4 69.4 104.0



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: 198.053 ug/l

RT: 3.62 min Scan# 574

Delta R.T. -0.01 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

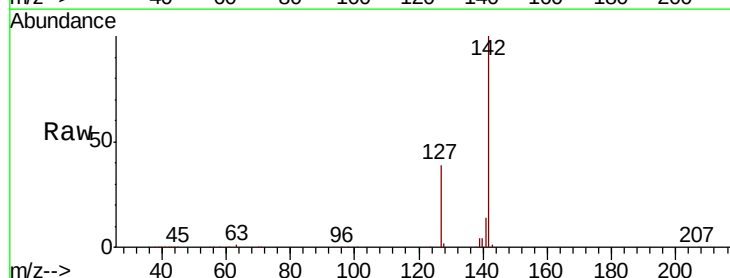
Tgt Ion:142 Resp: 2458211

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.6

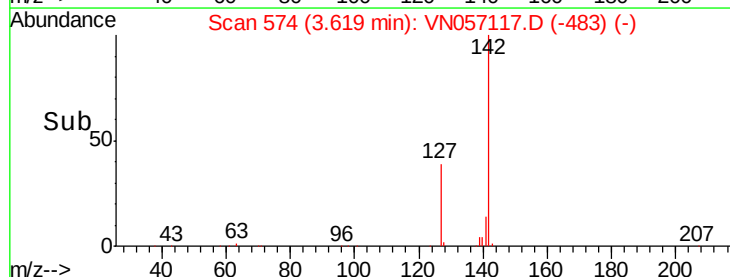
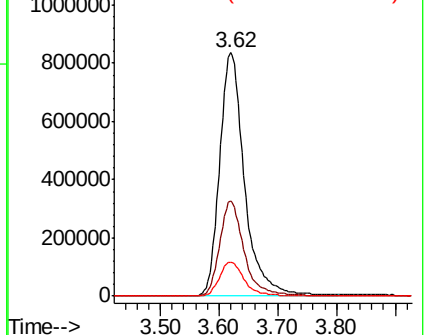
141 14.0 11.2 16.8

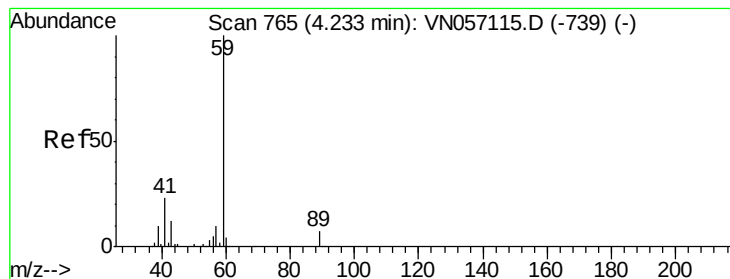


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



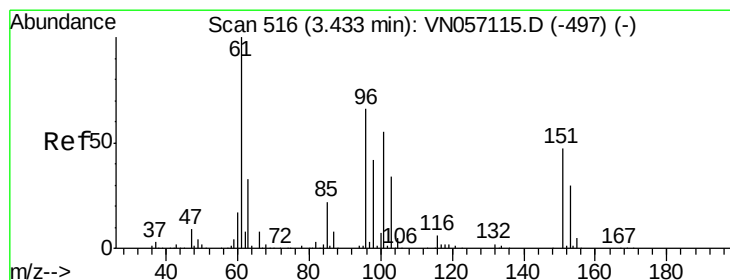
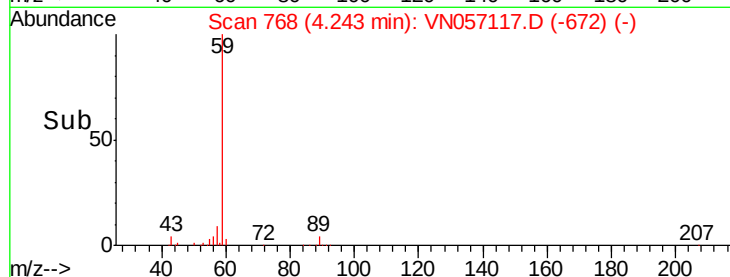
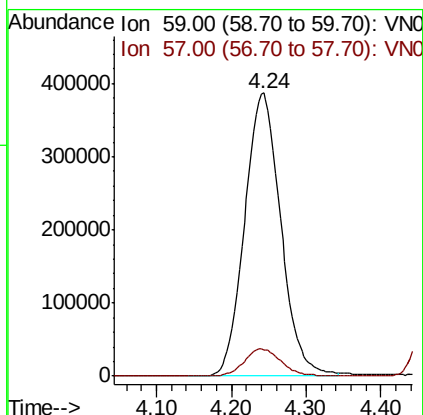
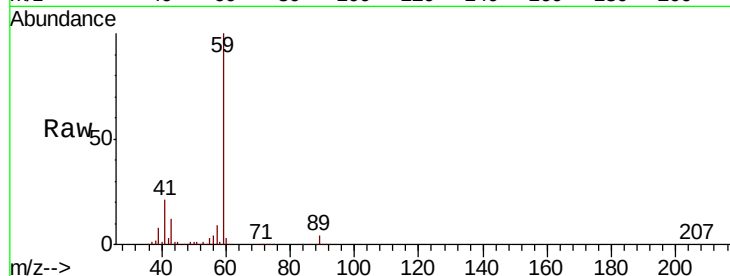


#11

Tert butyl alcohol
 Concen: 971.345 ug/l
 RT: 4.24 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

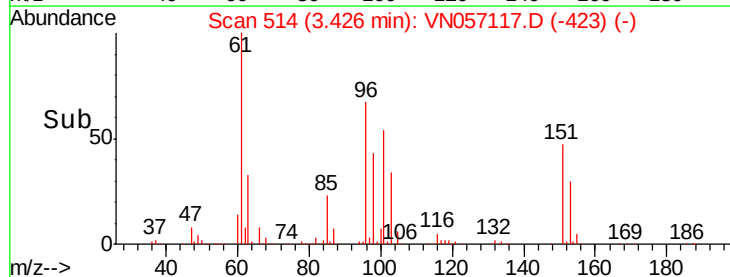
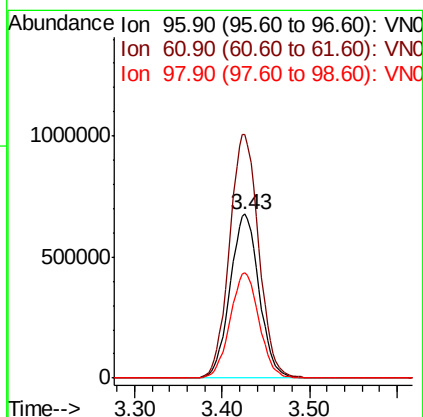
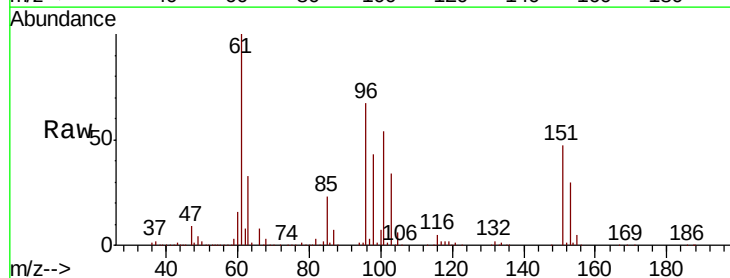
Tgt Ion: 59 Resp: 1302796
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.9 11.9

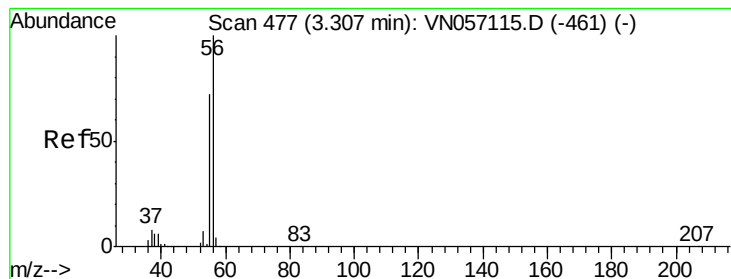


#12

1,1-Dichloroethene
 Concen: 149.761 ug/l
 RT: 3.43 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 96 Resp: 1557258
 Ion Ratio Lower Upper
 96 100
 61 148.5 121.0 181.6
 98 64.4 50.8 76.2





#13

Acrolein

Concen: 705.657 ug/l

RT: 3.30 min Scan# 476

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

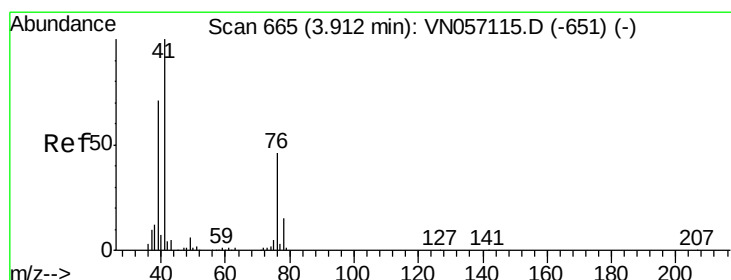
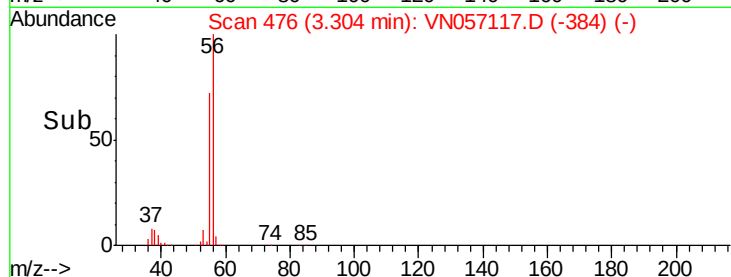
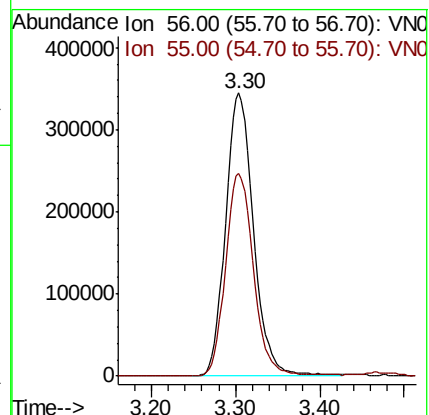
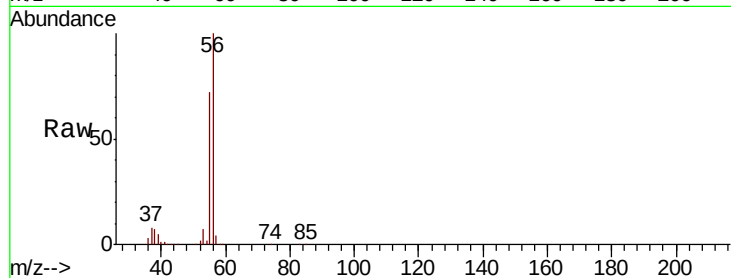
VSTDIC150

Tgt Ion: 56 Resp: 793055

Ion Ratio Lower Upper

56 100

55 71.5 57.7 86.5



#14

Allyl chloride

Concen: 146.484 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.01 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

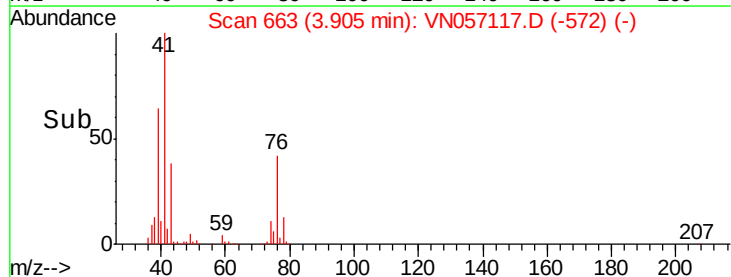
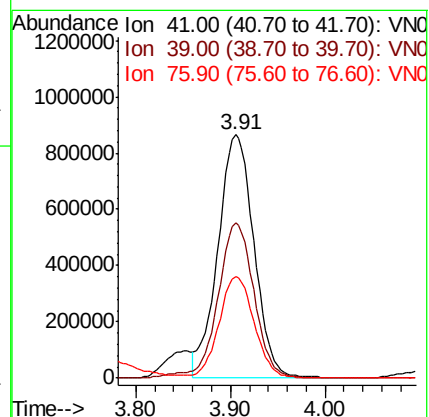
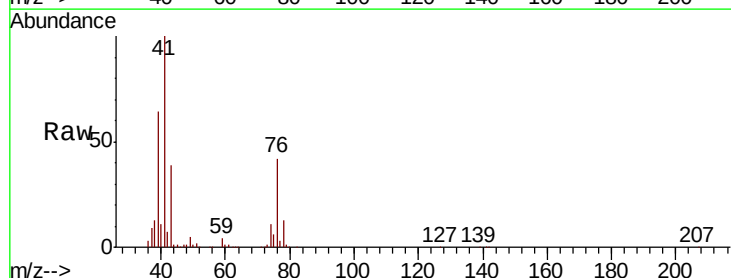
Tgt Ion: 41 Resp: 2286945

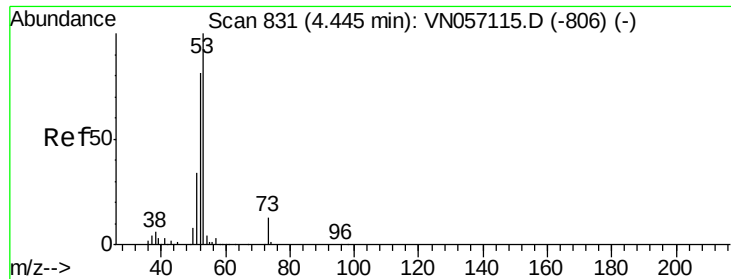
Ion Ratio Lower Upper

41 100

39 64.2 51.1 76.7

76 40.9 32.8 49.2





#15

Acrylonitrile

Concen: 849.721 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

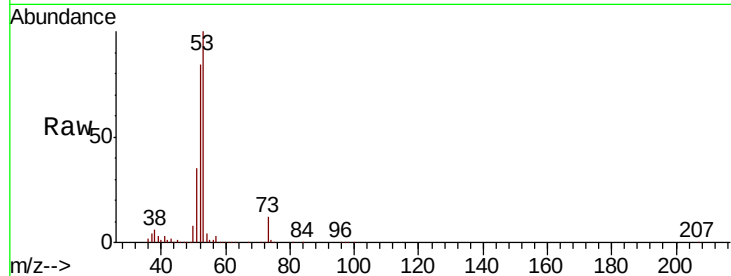
Tgt Ion: 53 Resp: 3710588

Ion Ratio Lower Upper

53 100

52 82.5 64.9 97.3

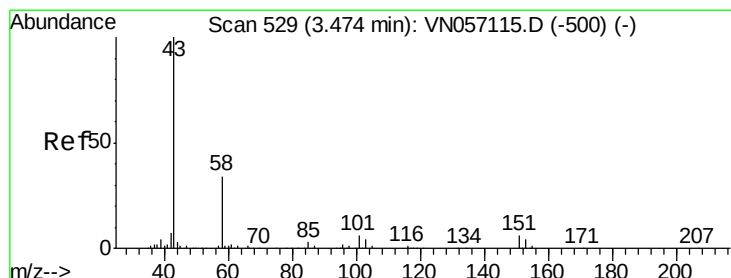
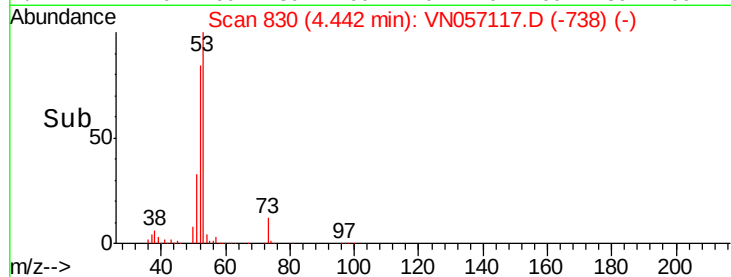
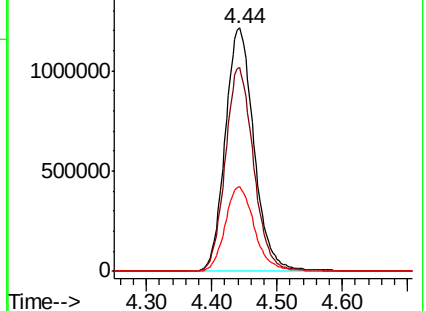
51 35.4 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 720.423 ug/l

RT: 3.47 min Scan# 528

Delta R.T. -0.00 min

Lab File: VN057117.D

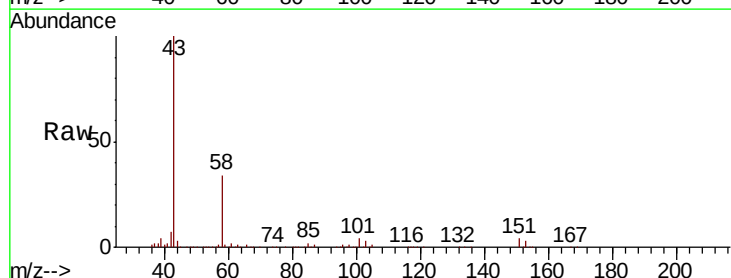
Acq: 7 Aug 2019 20:58

Tgt Ion: 43 Resp: 2722760

Ion Ratio Lower Upper

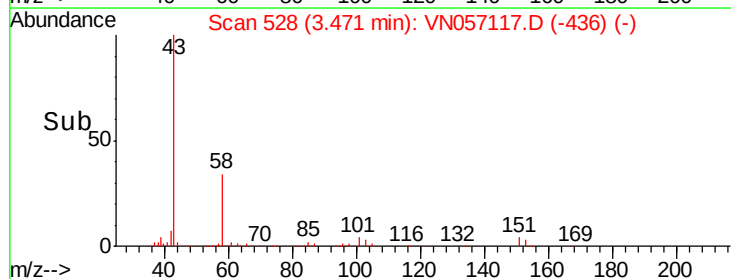
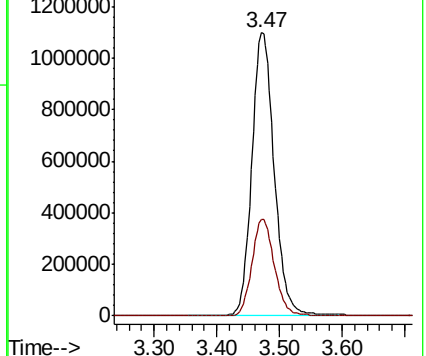
43 100

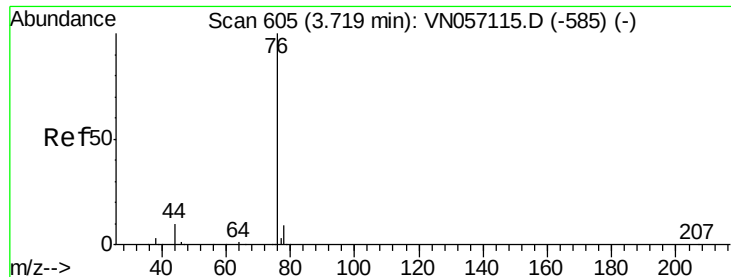
58 34.3 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 168.843 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

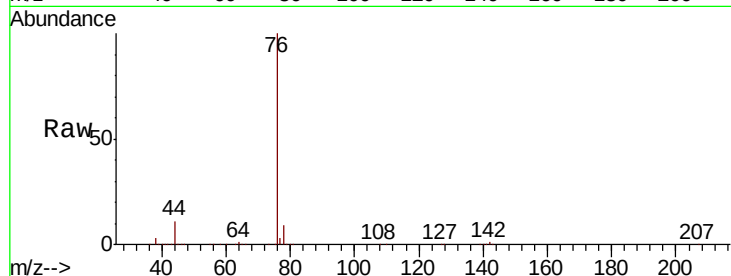
VSTDIC150

Tgt Ion: 76 Resp: 4295295

Ion Ratio Lower Upper

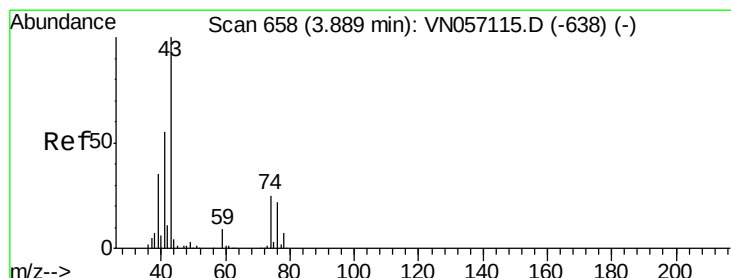
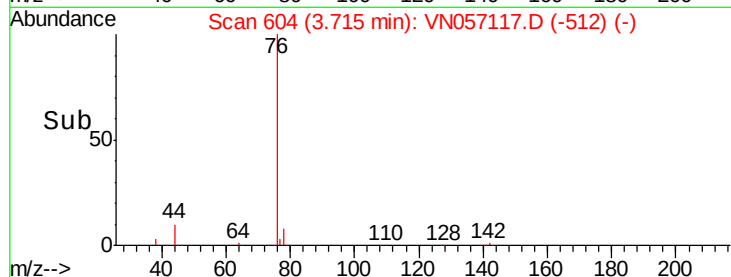
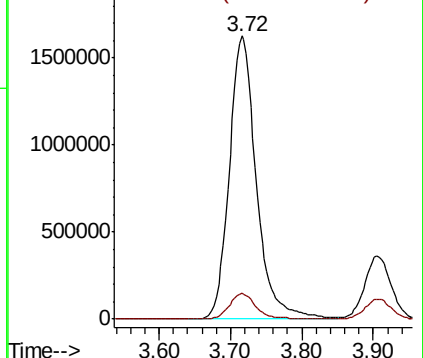
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 126.605 ug/l

RT: 3.89 min Scan# 657

Delta R.T. -0.00 min

Lab File: VN057117.D

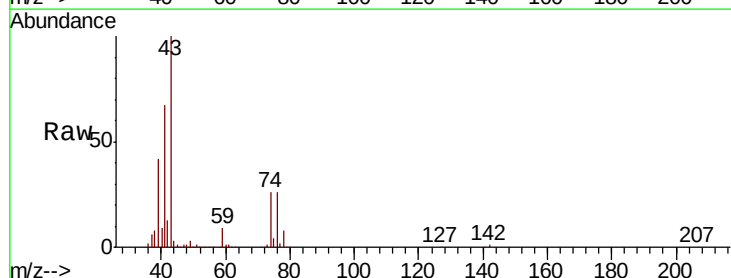
Acq: 7 Aug 2019 20:58

Tgt Ion: 43 Resp: 1655624

Ion Ratio Lower Upper

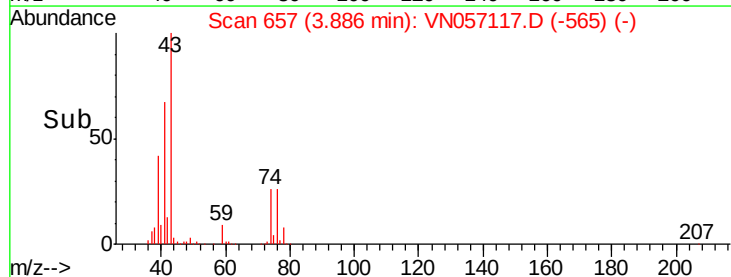
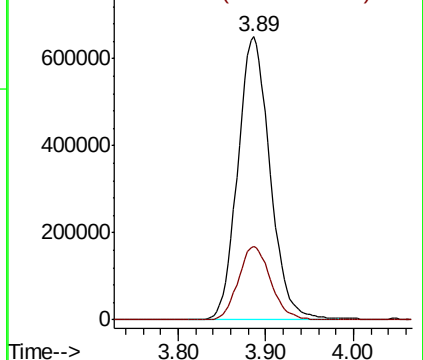
43 100

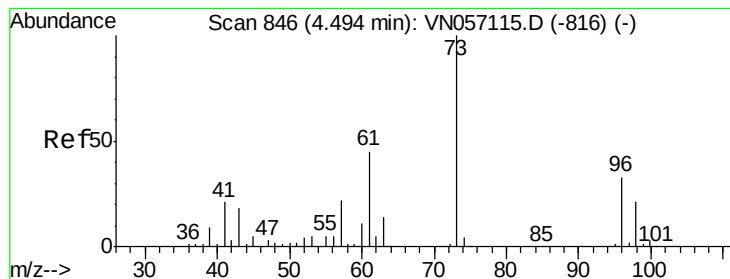
74 26.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



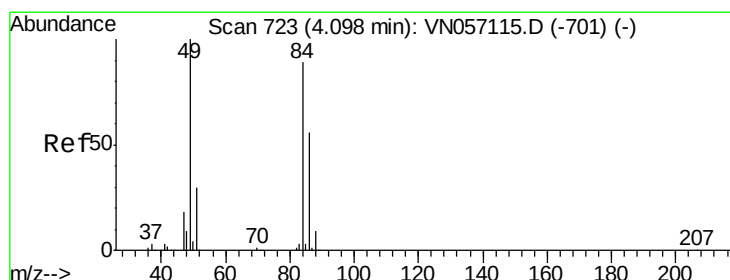
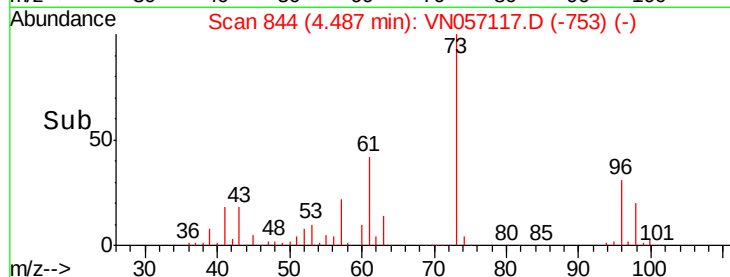
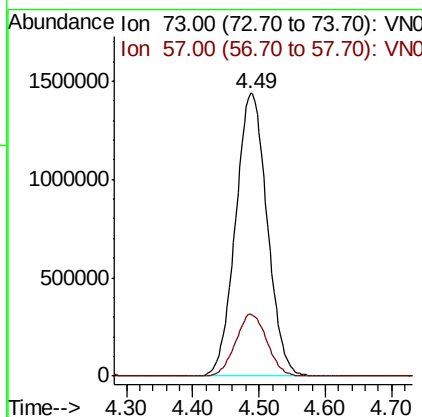
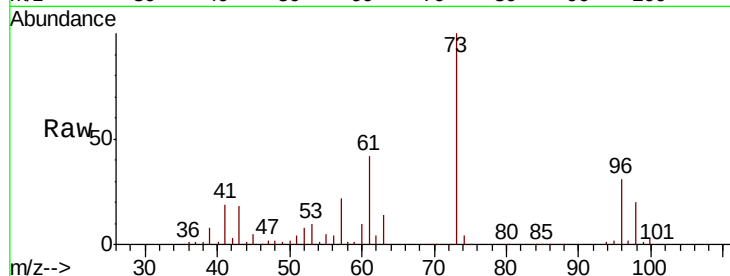


#19

Methyl tert-butyl Ether
 Concen: 156.327 ug/l
 RT: 4.49 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

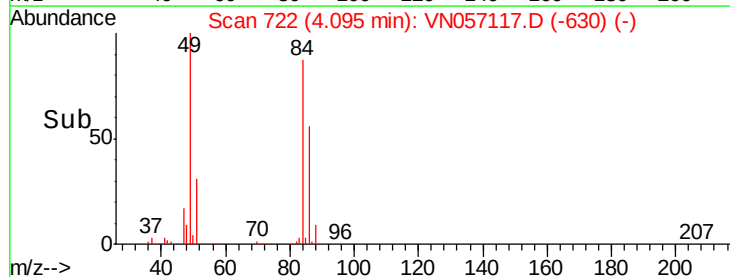
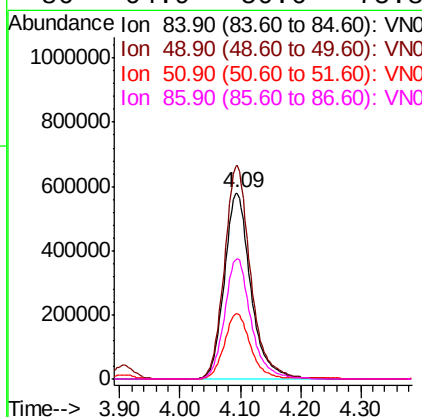
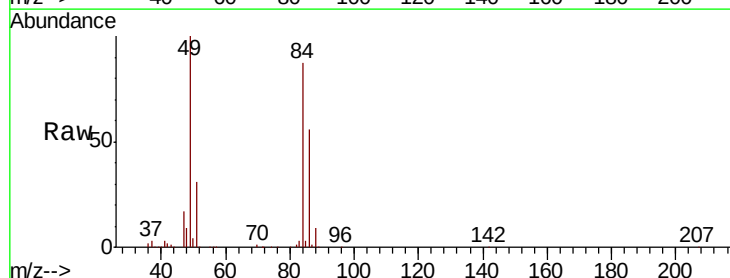
Tgt Ion: 73 Resp: 4760387
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.0 27.0

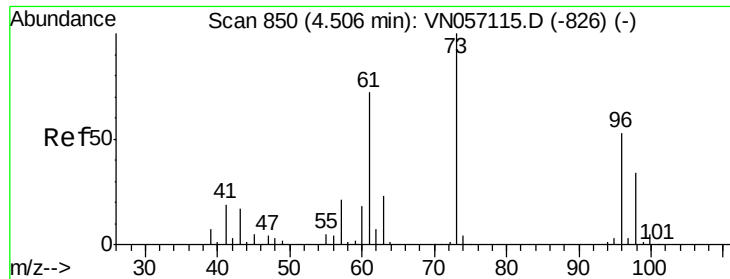


#20

Methylene Chloride
 Concen: 148.033 ug/l
 RT: 4.09 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 84 Resp: 1767994
 Ion Ratio Lower Upper
 84 100
 49 114.8 89.5 134.3
 51 35.1 27.2 40.8
 86 64.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 150.858 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

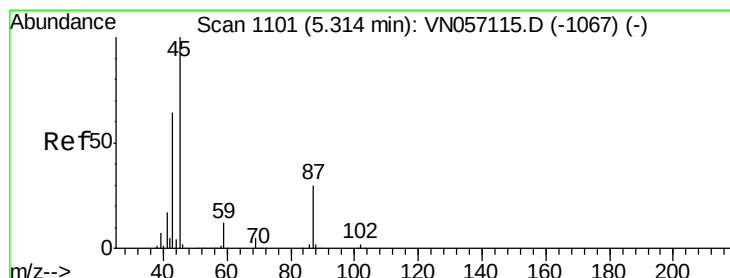
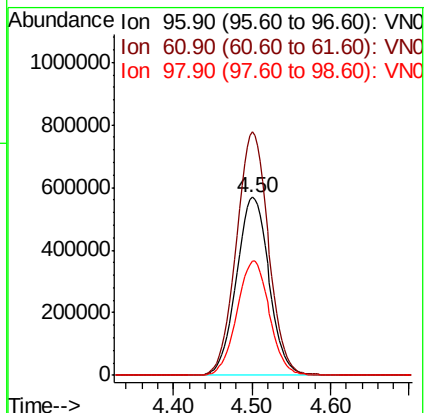
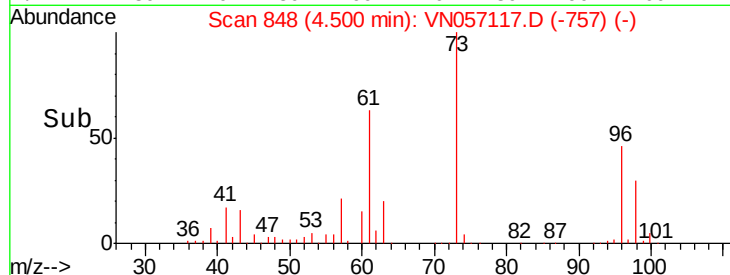
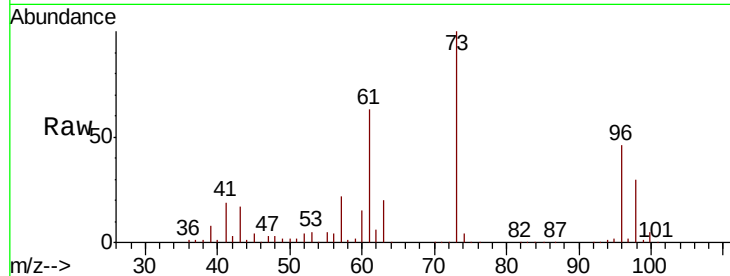
Tgt Ion: 96 Resp: 1652784

Ion Ratio Lower Upper

96 100

61 136.7 108.1 162.1

98 64.4 50.5 75.7



#22

Diisopropyl ether

Concen: 146.174 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tgt Ion: 45 Resp: 4791866

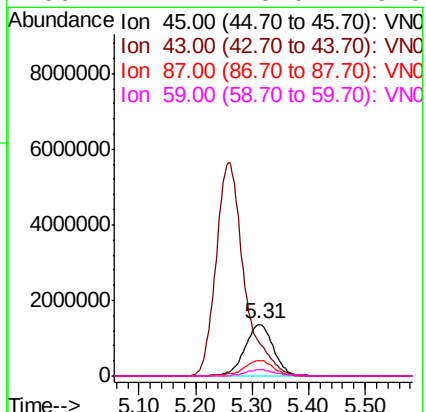
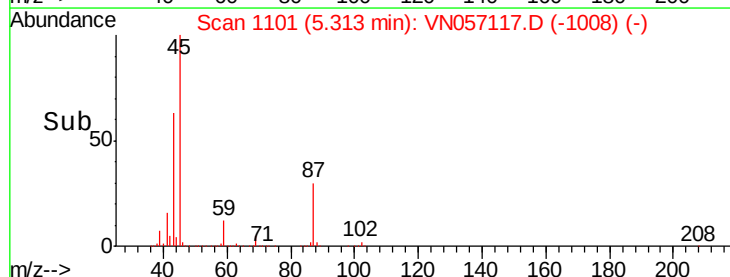
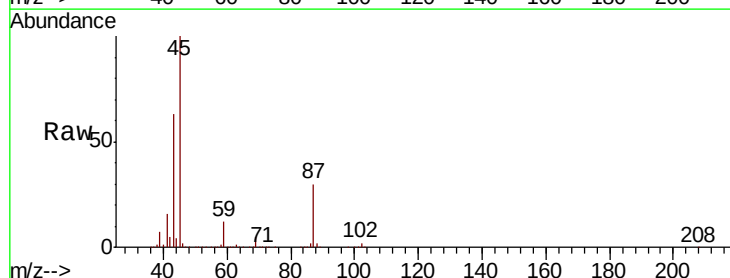
Ion Ratio Lower Upper

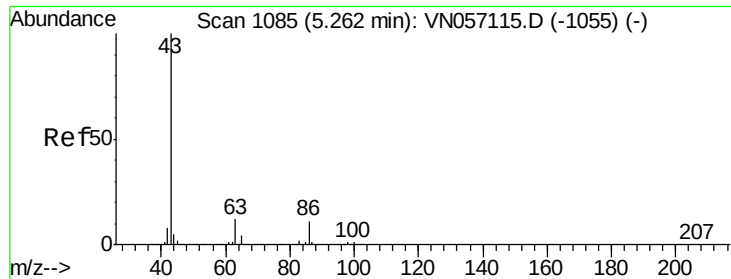
45 100

43 62.7 54.1 81.1

87 30.4 24.0 36.0

59 12.2 10.0 15.0





#23

Vinyl Acetate

Concen: 800.051 ug/l

RT: 5.26 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

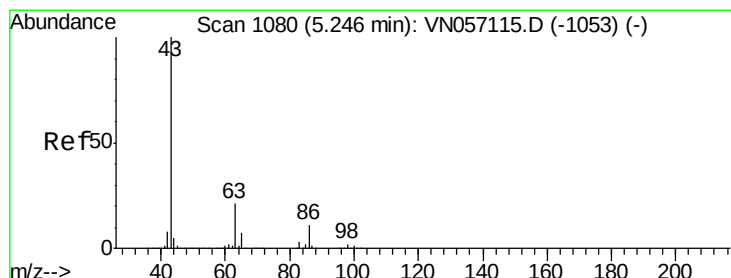
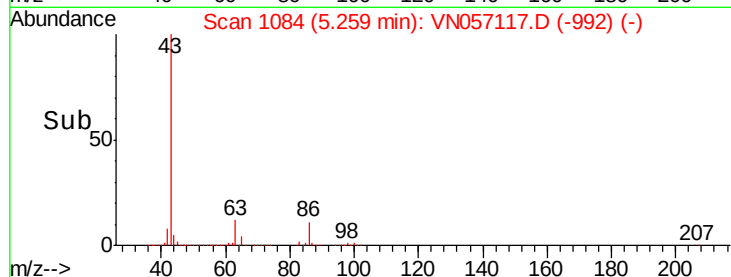
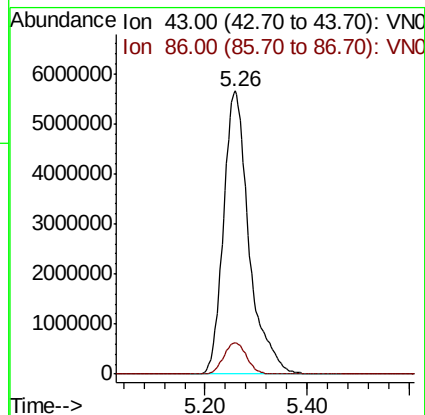
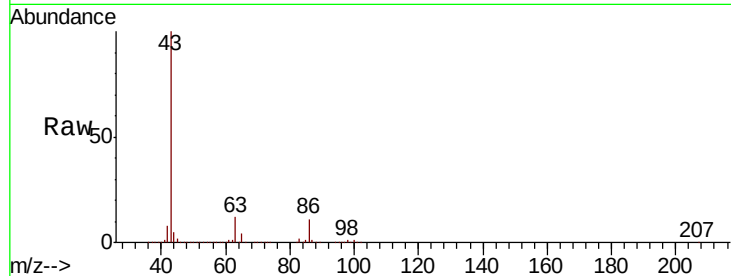
VSTDIC150

Tgt Ion: 43 Resp:19585693

Ion Ratio Lower Upper

43 100

86 11.1 9.2 13.8



#24

1,1-Dichloroethane

Concen: 144.357 ug/l

RT: 5.24 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

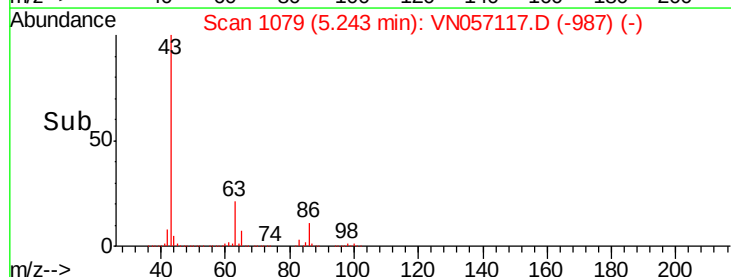
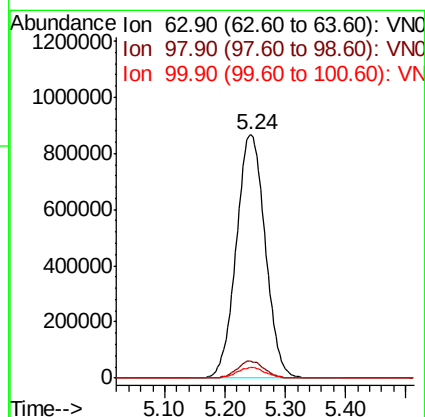
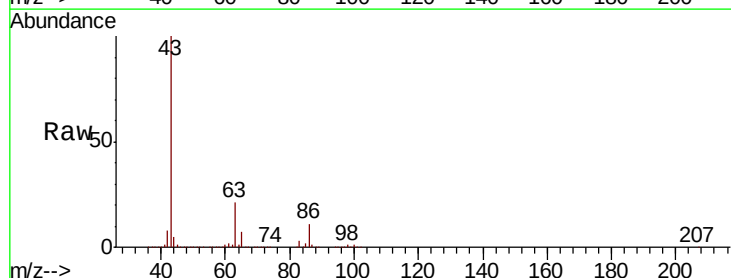
Tgt Ion: 63 Resp: 2913152

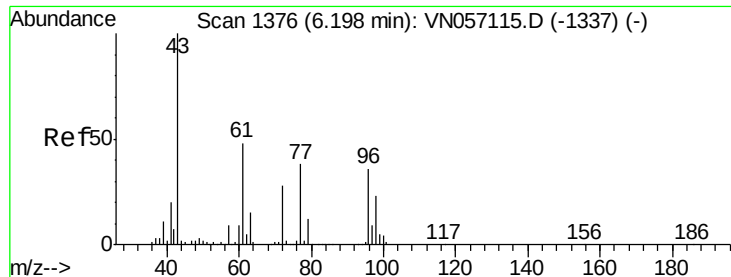
Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 834.928 ug/l

RT: 6.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

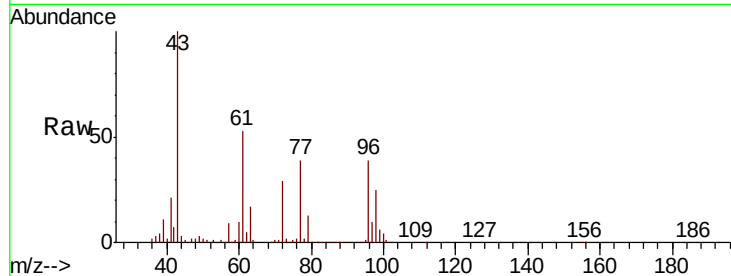
VSTDIC150

Tgt Ion: 43 Resp: 4501209

Ion Ratio Lower Upper

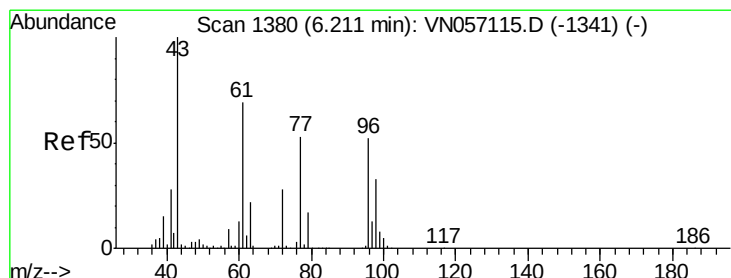
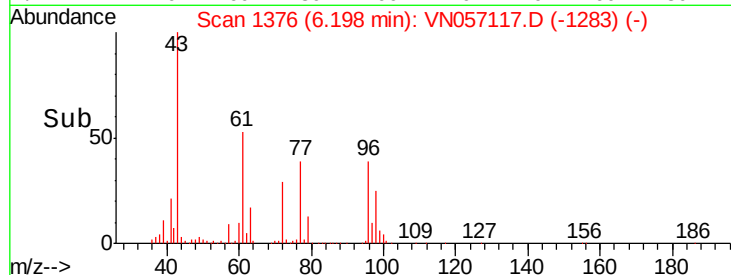
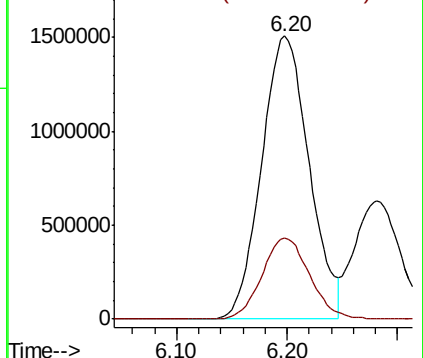
43 100

72 28.6 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 143.013 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057117.D

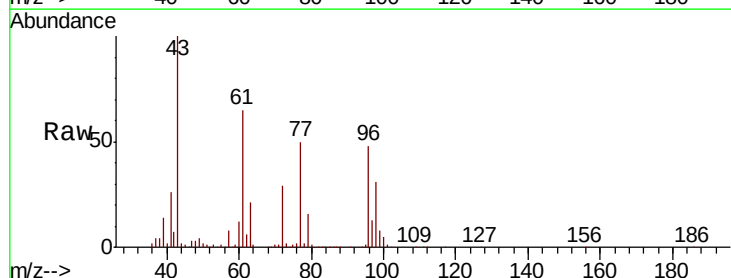
Acq: 7 Aug 2019 20:58

Tgt Ion: 77 Resp: 2199951

Ion Ratio Lower Upper

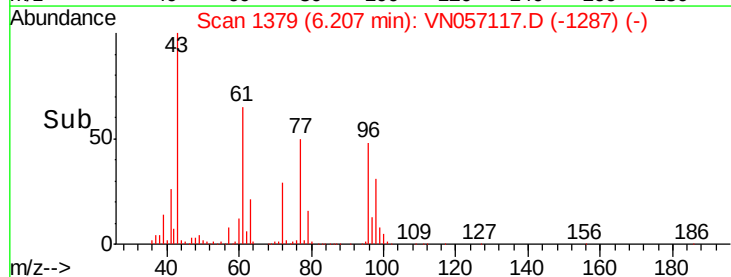
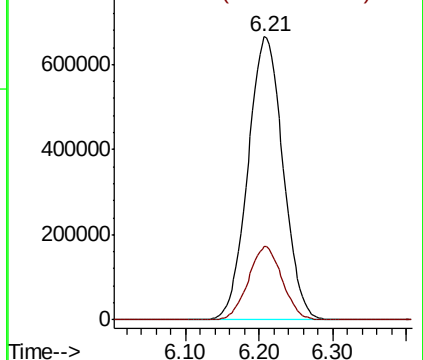
77 100

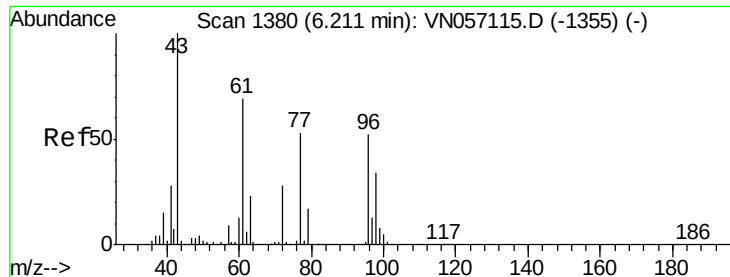
97 25.1 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 150.131 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

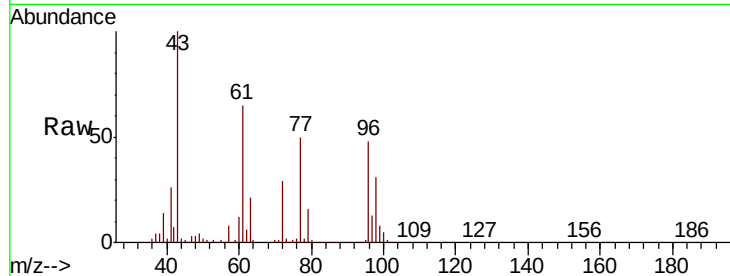
Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 1920138

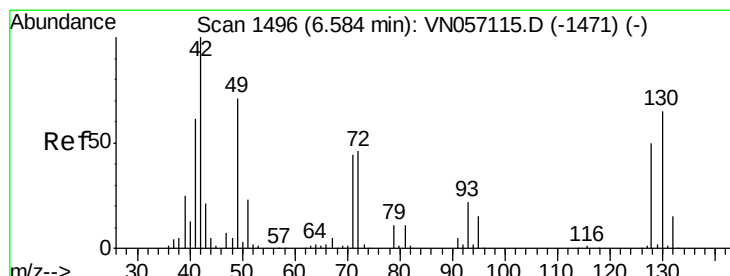
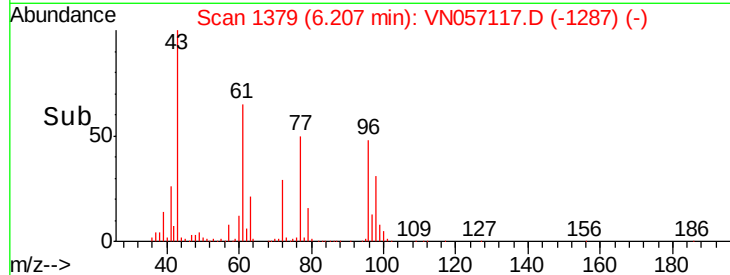
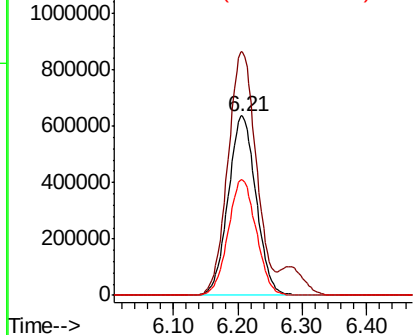
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	273.4
98	64.9	0.0	130.4



Abundance Ion 95.90 (95.60 to 96.60): VN057117.D (-1379) (-)

Ion 60.90 (60.60 to 61.60): VN057117.D (-1379) (-)

Ion 97.90 (97.60 to 98.60): VN057117.D (-1379) (-)



#28

Bromochloromethane

Concen: 146.771 ug/l

RT: 6.58 min Scan# 1496

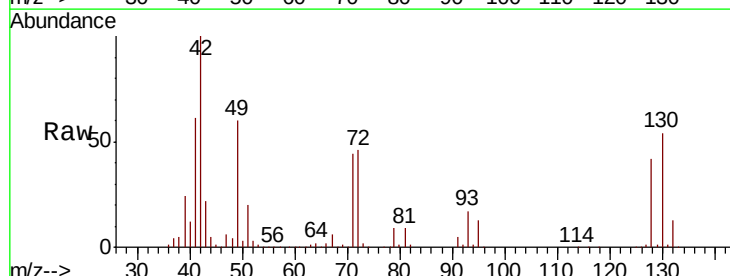
Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tgt Ion: 49 Resp: 1310622

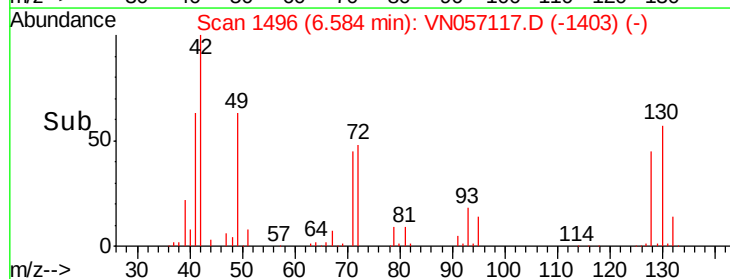
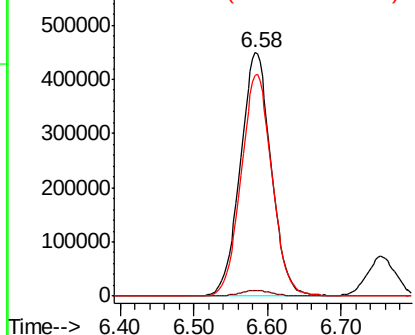
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	91.2	73.8	110.8

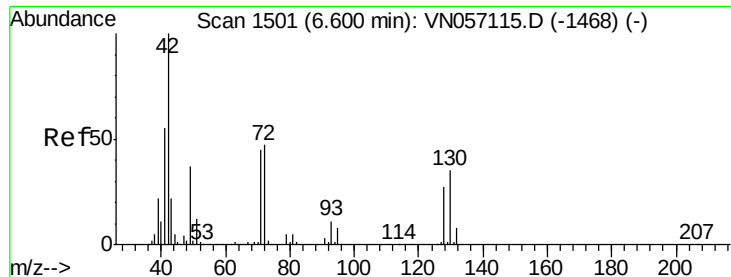


Abundance Ion 48.90 (48.60 to 49.60): VN057117.D (-1496) (-)

Ion 128.80 (128.50 to 129.50): VN057117.D (-1496) (-)

Ion 129.80 (129.50 to 130.50): VN057117.D (-1496) (-)





#29

Tetrahydrofuran

Concen: 839.998 ug/l

RT: 6.60 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

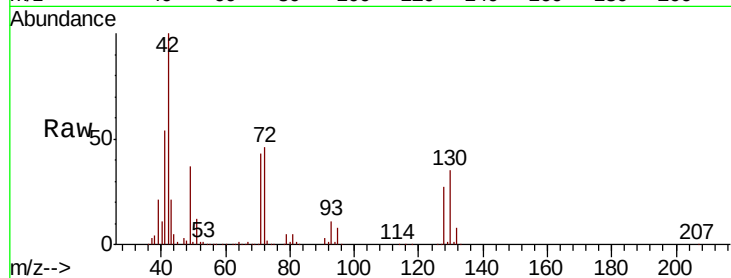
Tgt Ion: 42 Resp: 2946165

Ion Ratio Lower Upper

42 100

72 46.0 37.1 55.7

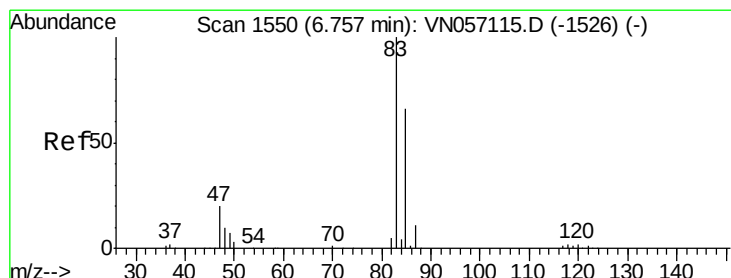
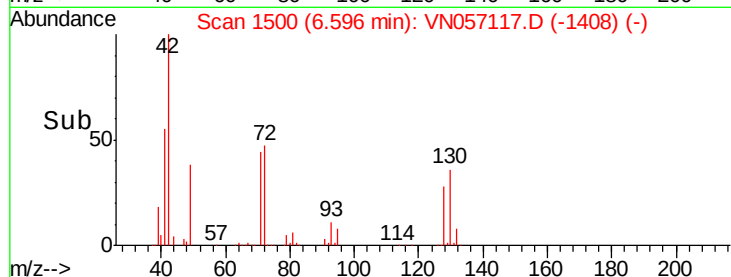
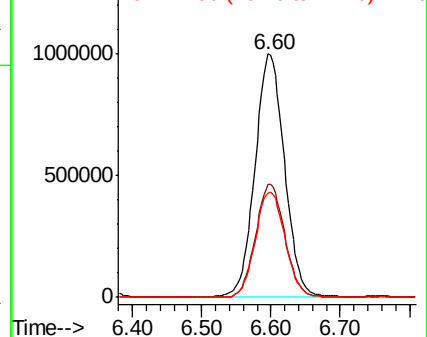
71 43.5 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 147.239 ug/l

RT: 6.75 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VN057117.D

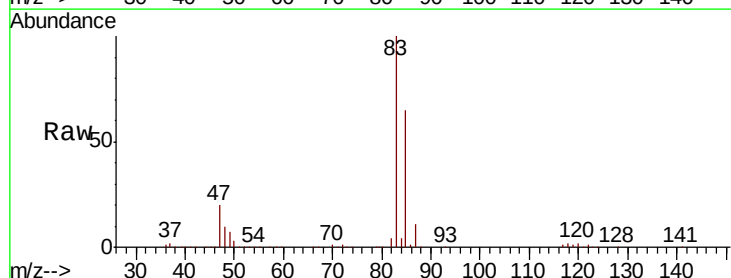
Acq: 7 Aug 2019 20:58

Tgt Ion: 83 Resp: 2978136

Ion Ratio Lower Upper

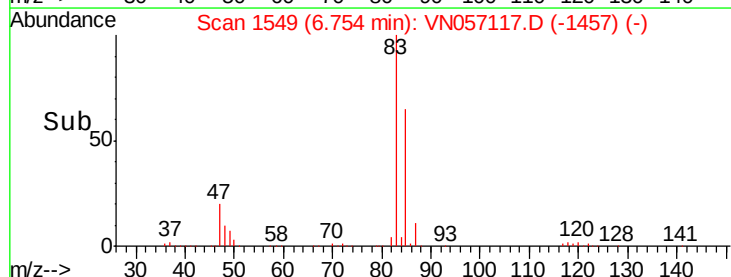
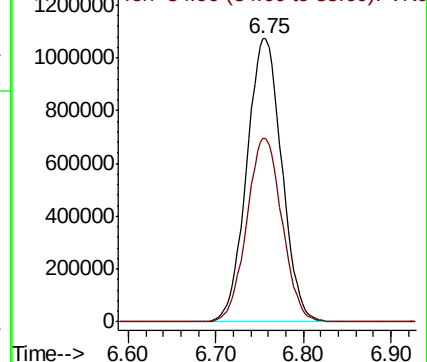
83 100

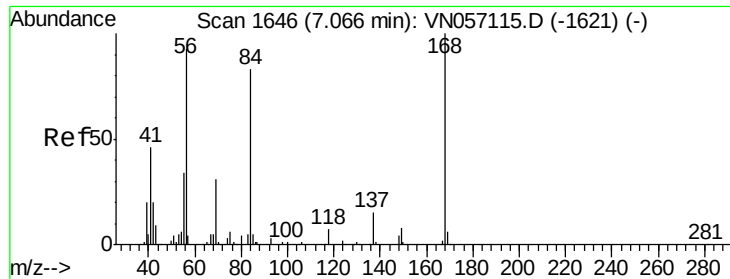
85 65.0 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

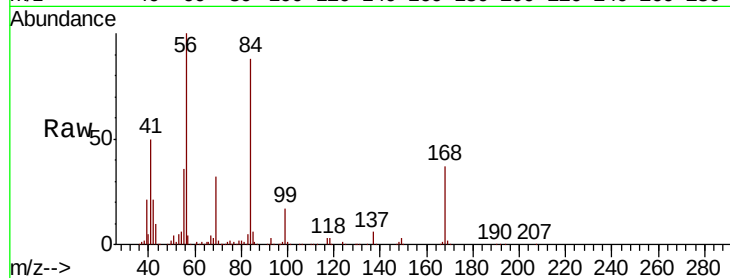




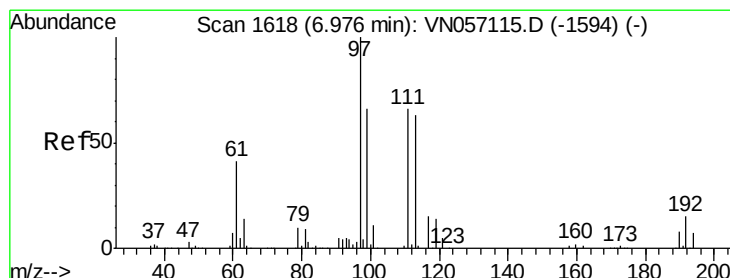
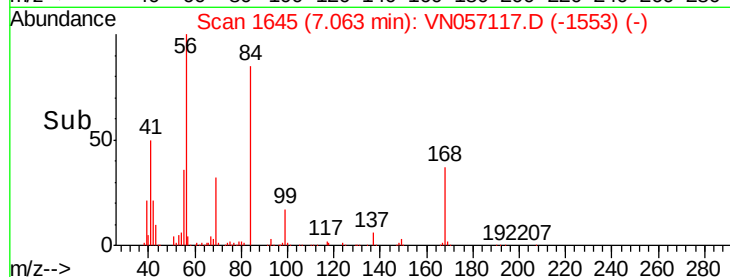
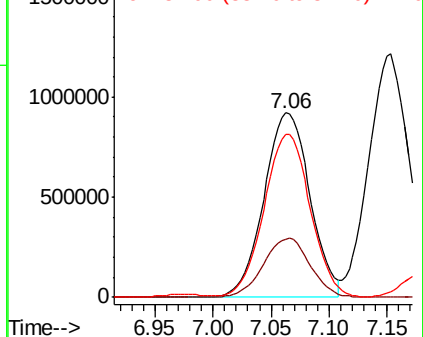
#31
Cyclohexane
Concen: 142.345 ug/l
RT: 7.06 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 2543020
Ion Ratio Lower Upper
56 100
69 31.6 26.9 40.3
84 86.8 71.9 107.9

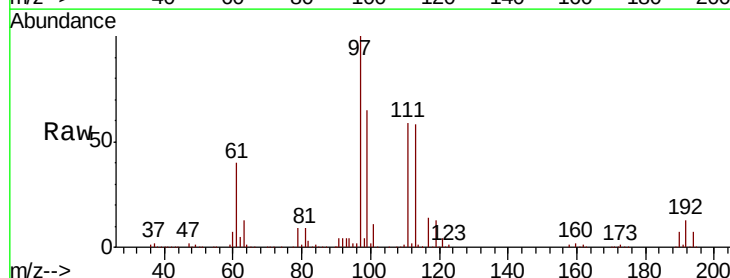


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

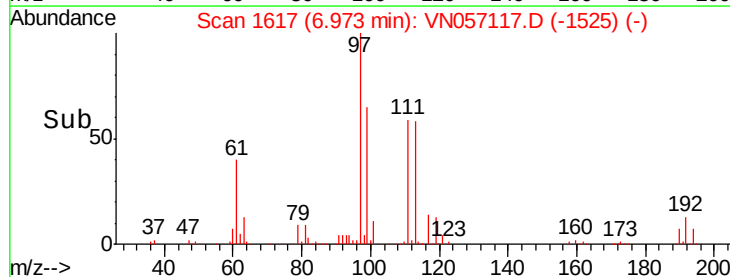
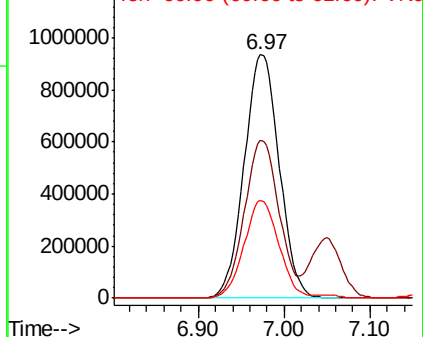


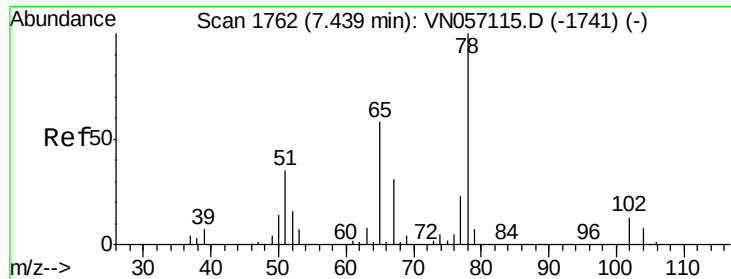
#32
1,1,1-Trichloroethane
Concen: 156.879 ug/l
RT: 6.97 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 97 Resp: 2645480
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 39.9 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

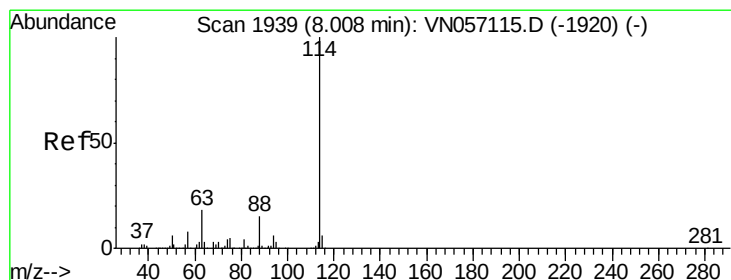
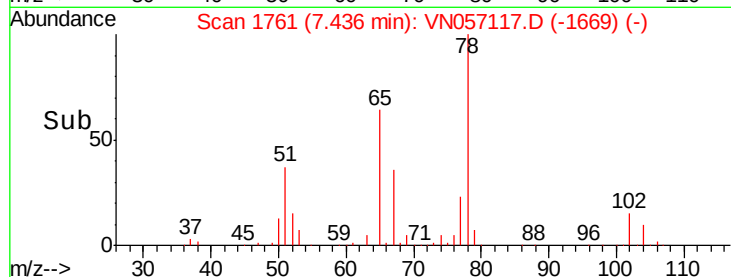
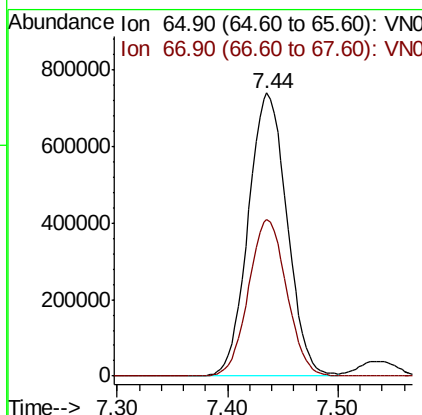
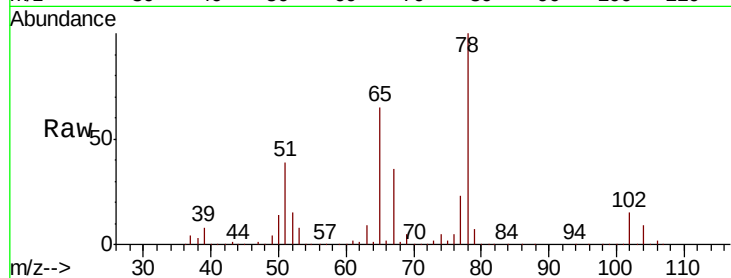




#33
 1,2-Dichloroethane-d4
 Concen: 145.759 ug/l
 RT: 7.44 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

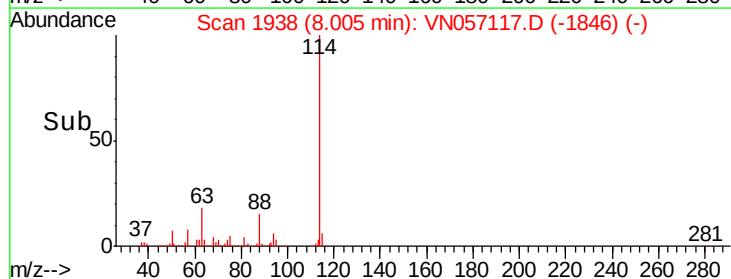
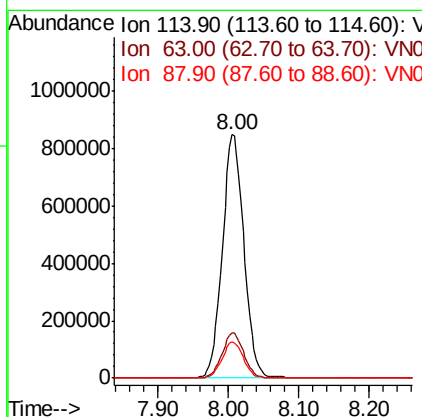
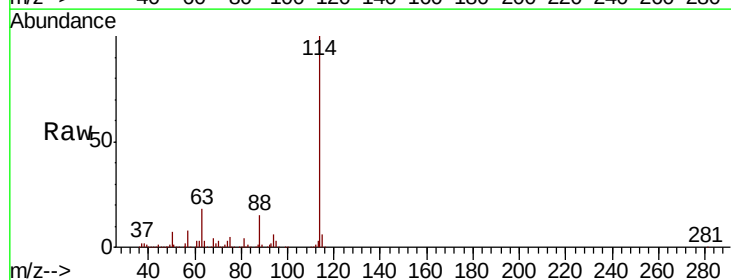
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

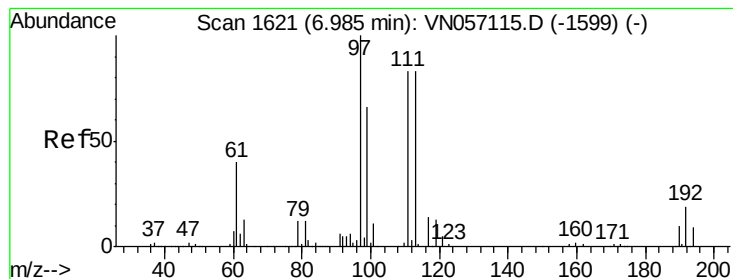
Tgt Ion: 65 Resp: 1798998
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 114 Resp: 1812143
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 145.819 ug/l

RT: 6.98 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

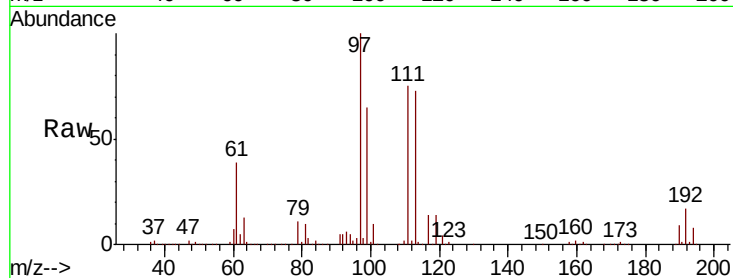
Tgt Ion:113 Resp: 1663917

Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

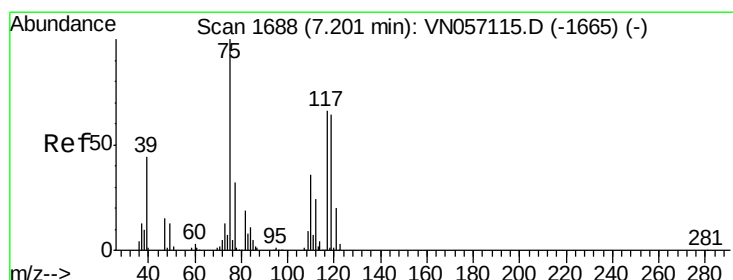
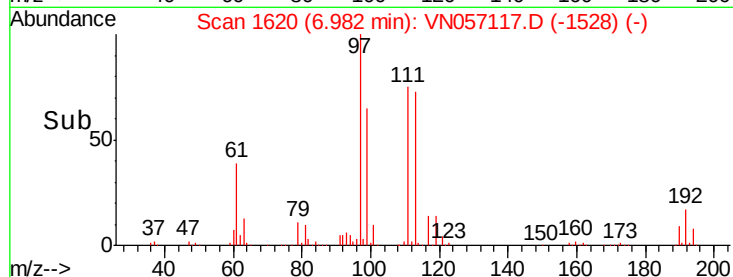
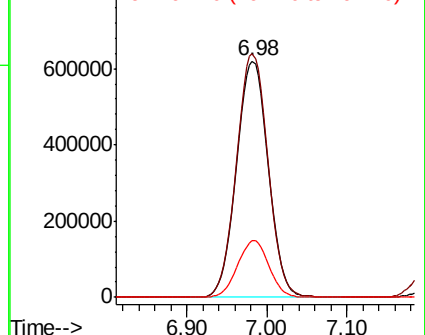
192 23.6 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 146.594 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

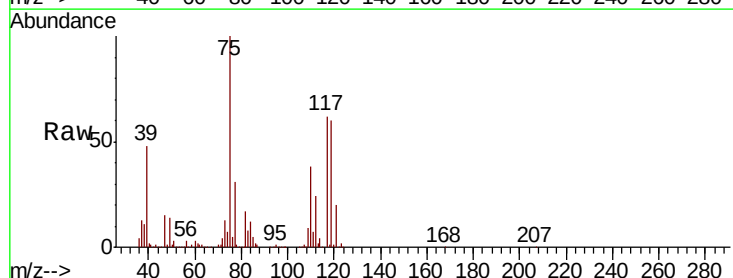
Tgt Ion: 75 Resp: 2307511

Ion Ratio Lower Upper

75 100

110 37.7 18.7 56.1

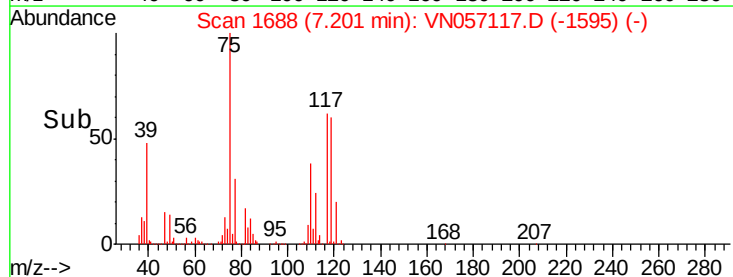
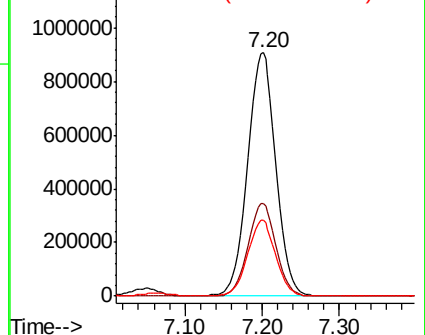
77 31.0 25.0 37.4

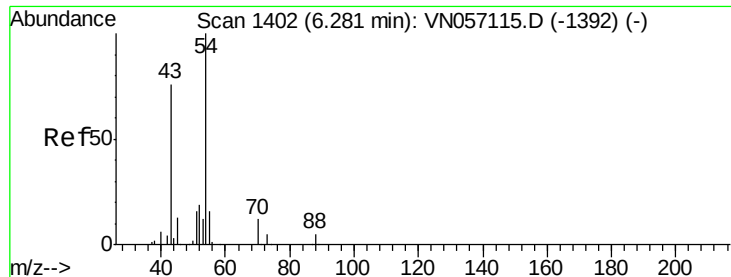


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

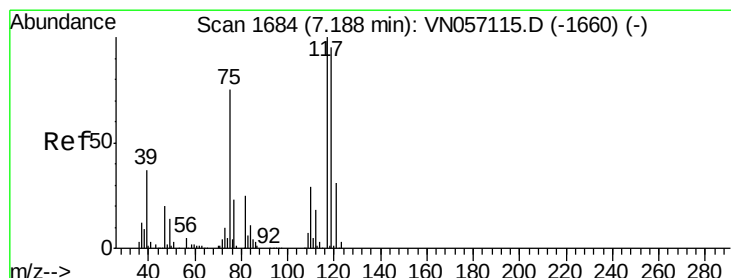
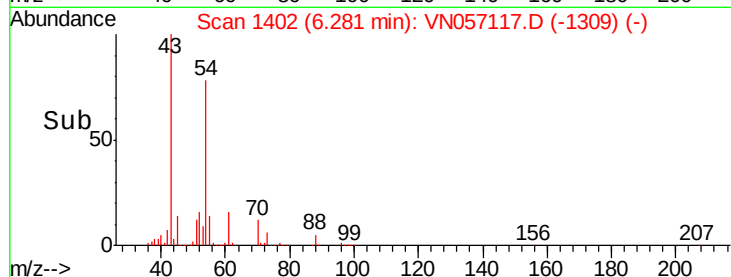
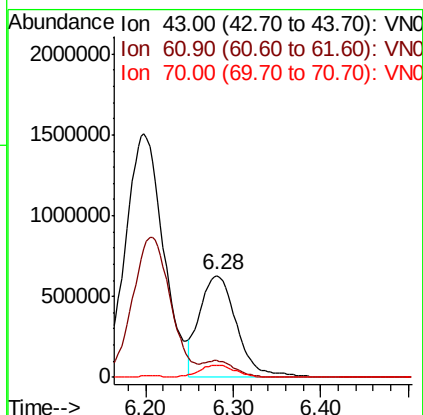
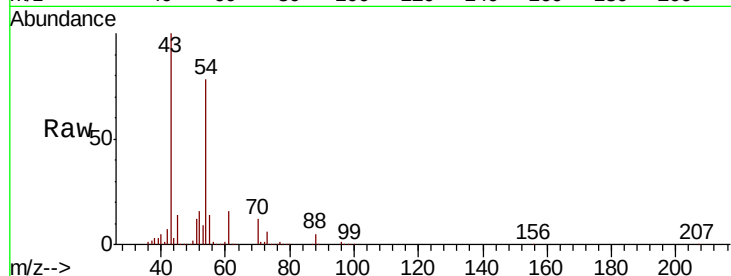




#37
 Ethyl Acetate
 Concen: 153.324 ug/l
 RT: 6.28 min Scan# 1402
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

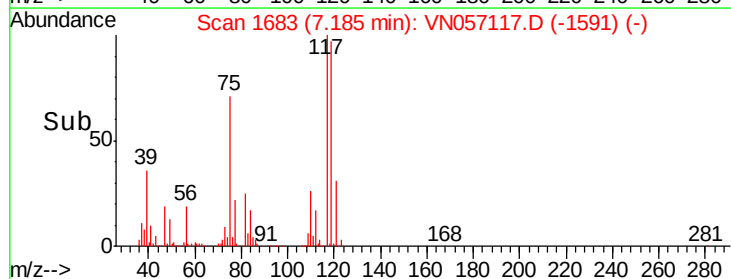
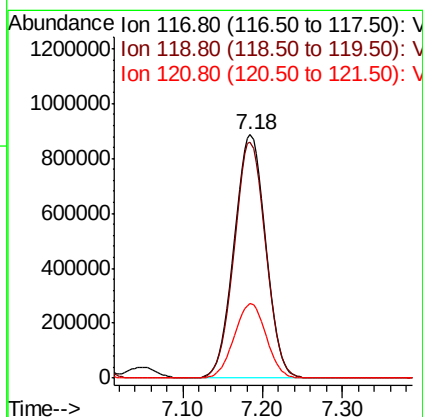
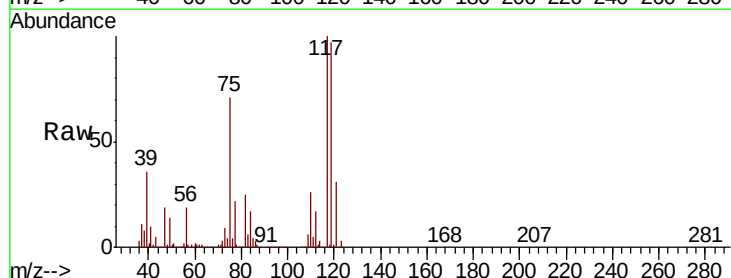
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

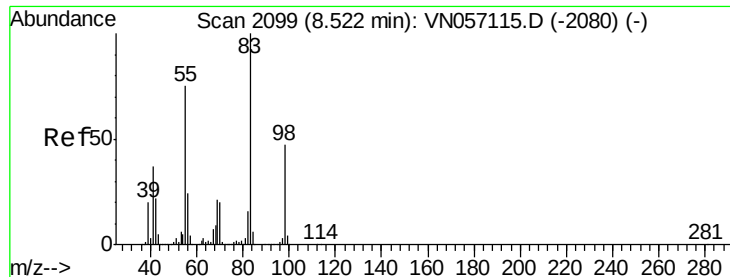
Tgt Ion: 43 Resp: 1839762
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 12.0 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 155.350 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 117 Resp: 2355930
 Ion Ratio Lower Upper
 117 100
 119 97.0 75.8 113.6
 121 30.5 24.4 36.6

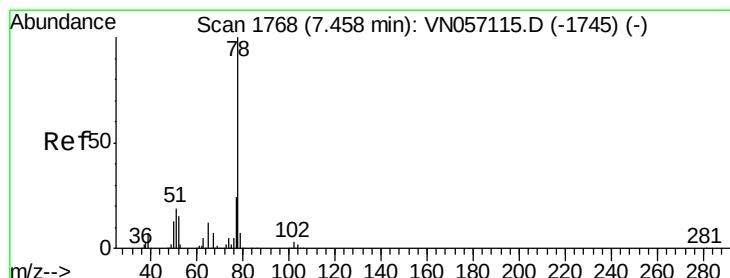
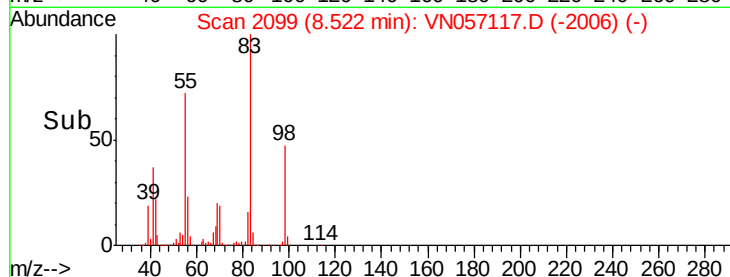
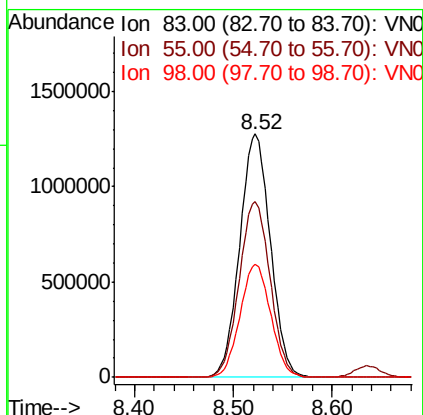
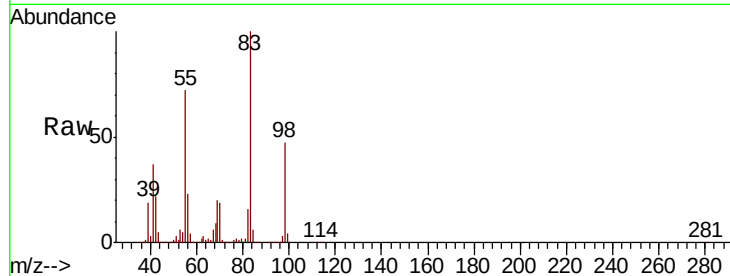




#39
Methylcyclohexane
Concen: 150.468 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

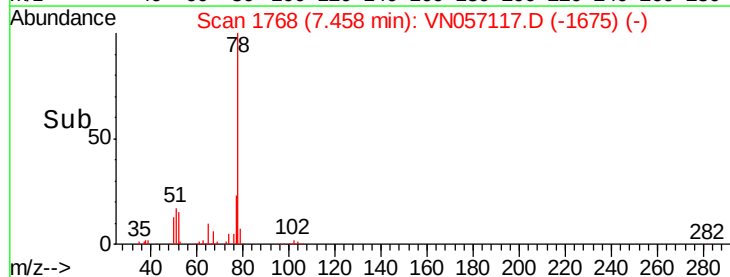
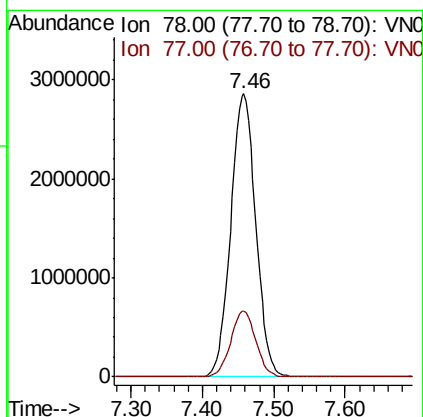
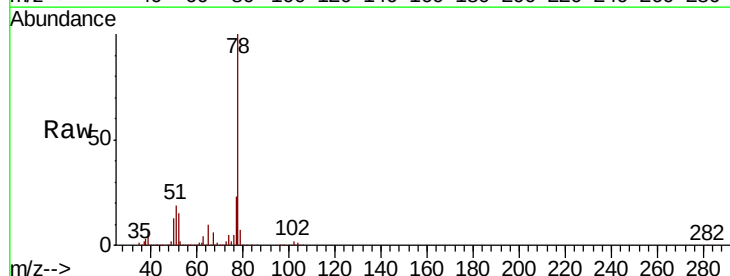
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

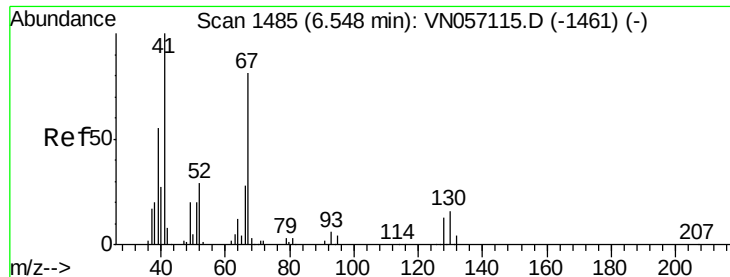
Tgt Ion: 83 Resp: 2741304
Ion Ratio Lower Upper
83 100
55 72.3 60.3 90.5
98 46.7 37.9 56.9



#40
Benzene
Concen: 143.824 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 78 Resp: 6987285
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8

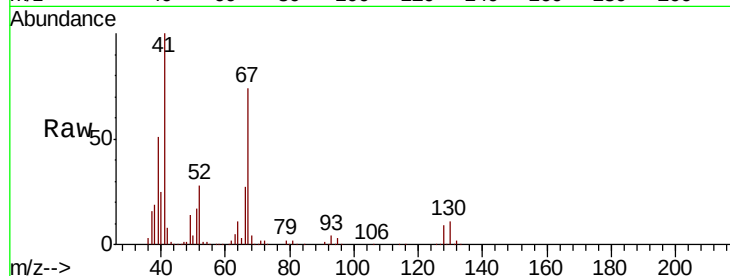




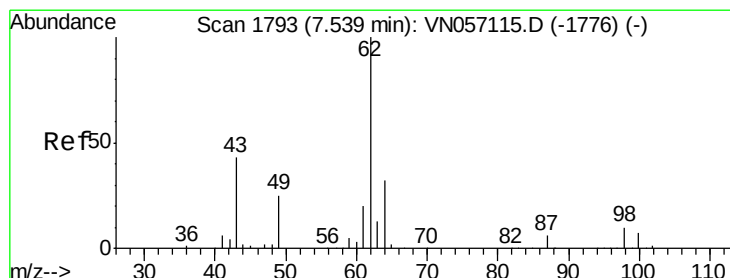
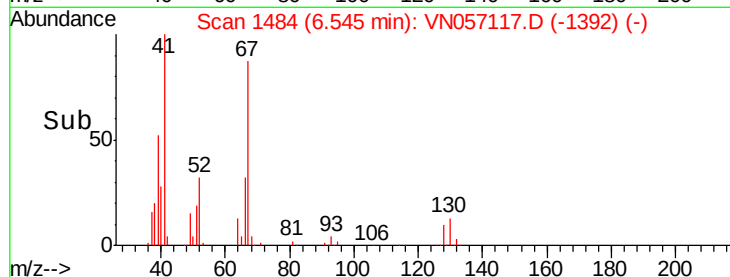
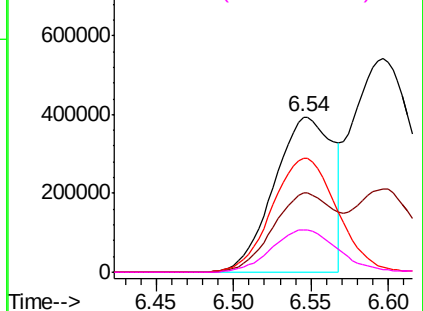
#41
Methacrylonitrile
Concen: 205.667 ug/l
RT: 6.54 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 1038370
Ion Ratio Lower Upper
41 100
39 53.9 44.9 67.3
67 81.8 69.1 103.7
52 30.4 25.8 38.6

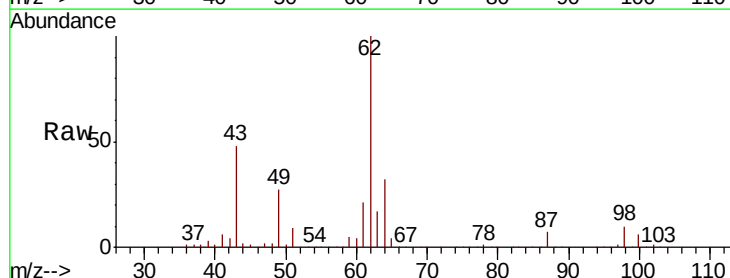


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

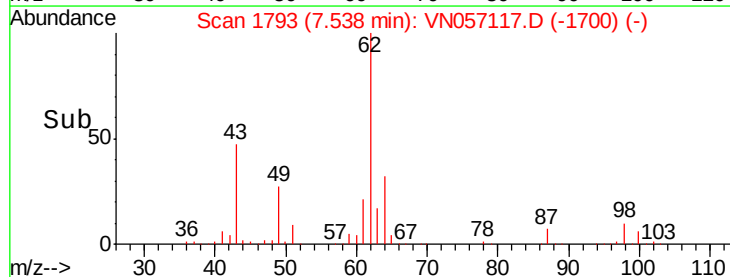
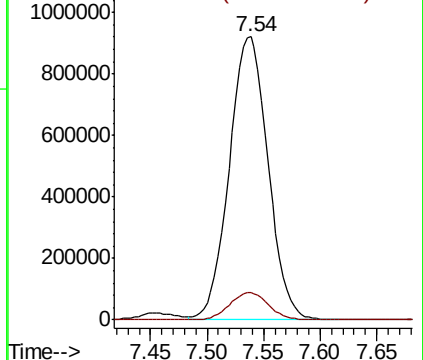


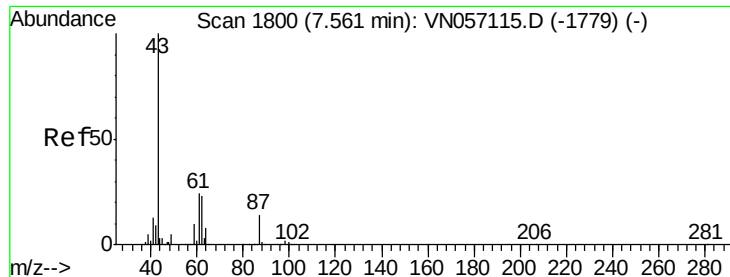
#42
1,2-Dichloroethane
Concen: 143.861 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 62 Resp: 2187910
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 147.763 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

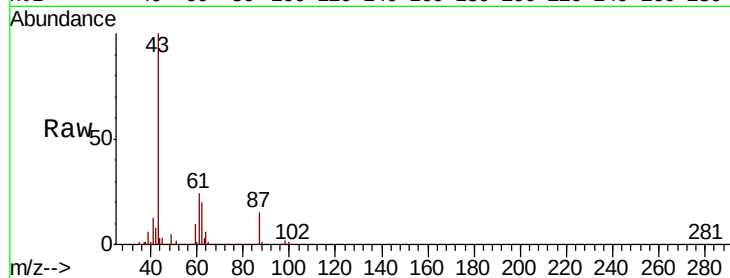
Tgt Ion: 43 Resp: 3233730

Ion Ratio Lower Upper

43 100

61 29.3 24.2 36.2

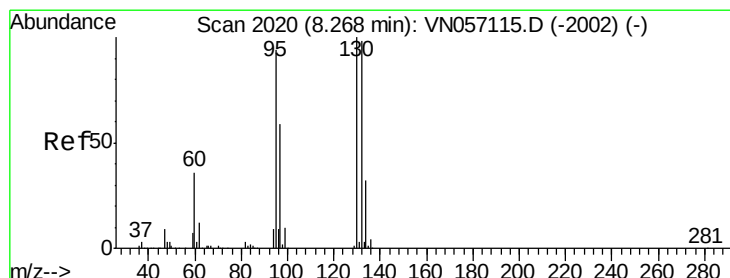
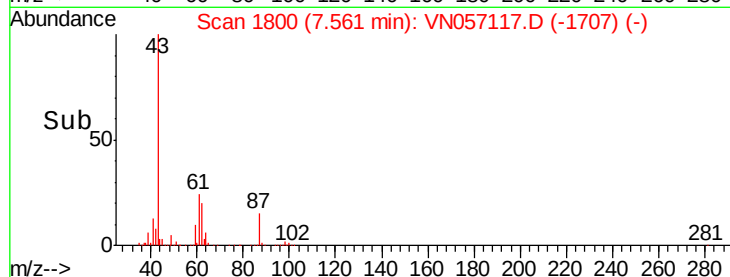
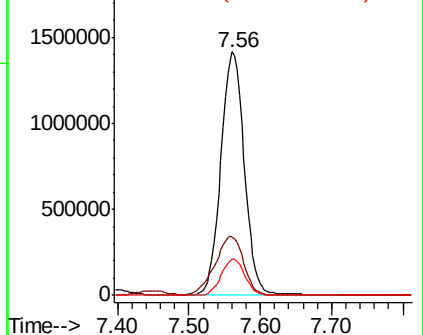
87 14.9 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN057117.D (-1707) (-)

Ion 61.00 (60.70 to 61.70): VN057117.D (-1707) (-)

Ion 87.00 (86.70 to 87.70): VN057117.D (-1707) (-)



#44

Trichloroethene

Concen: 148.898 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057117.D

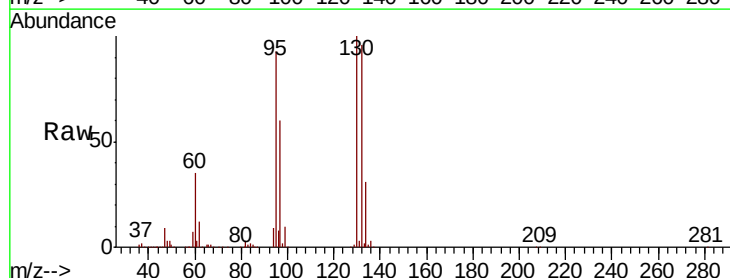
Acq: 7 Aug 2019 20:58

Tgt Ion: 130 Resp: 1976392

Ion Ratio Lower Upper

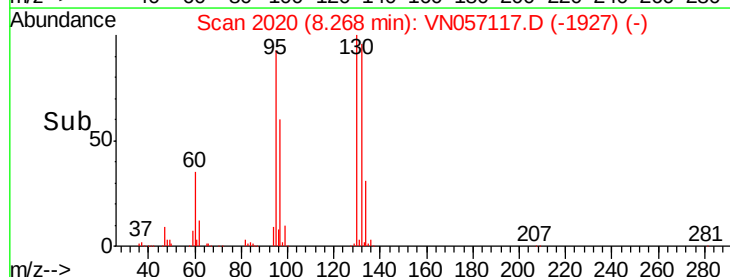
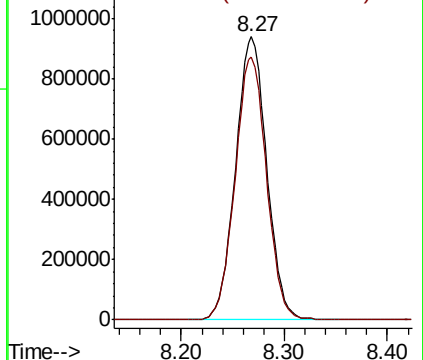
130 100

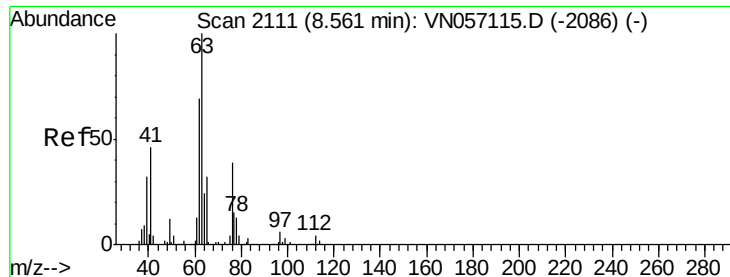
95 93.0 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): VN057117.D (-1927) (-)

Ion 94.90 (94.60 to 95.60): VN057117.D (-1927) (-)

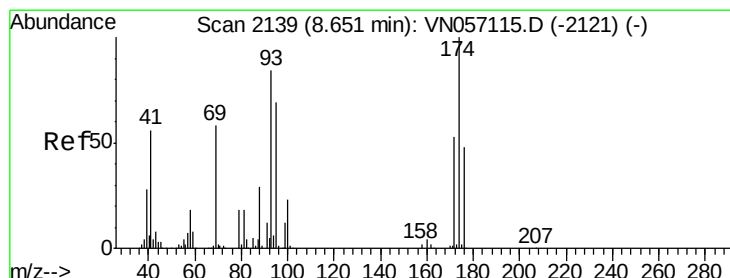
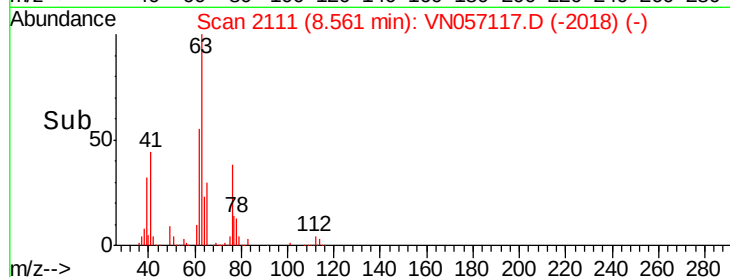
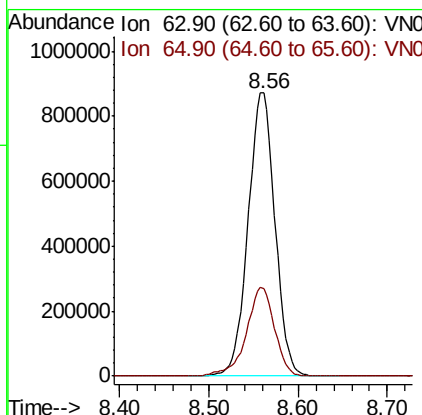
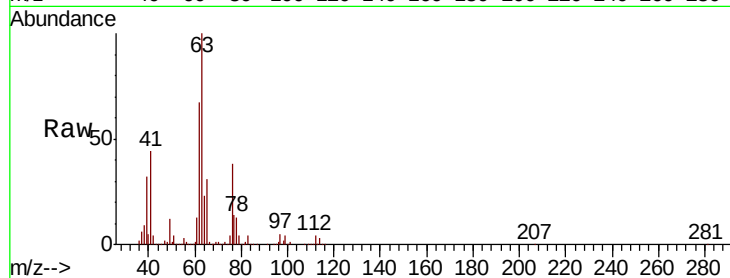




#45
 1,2-Dichloropropane
 Concen: 145.861 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

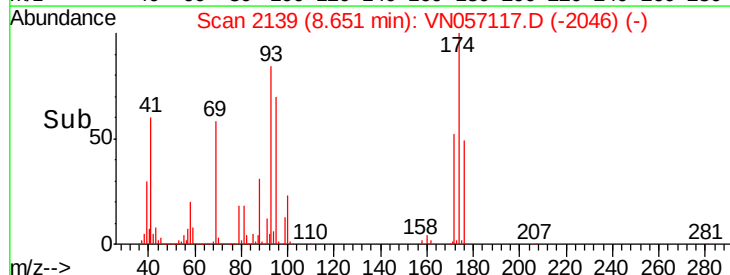
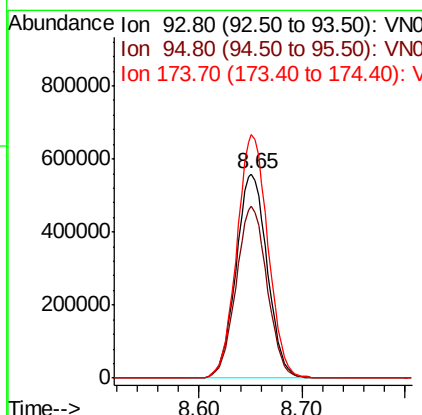
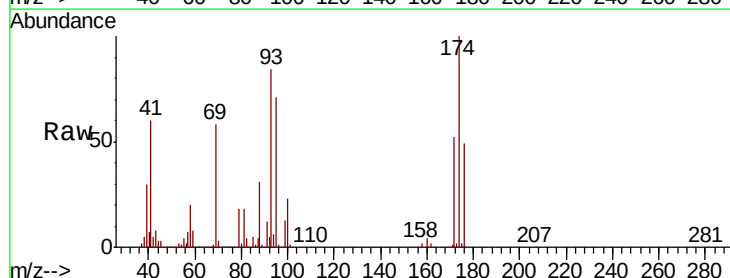
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

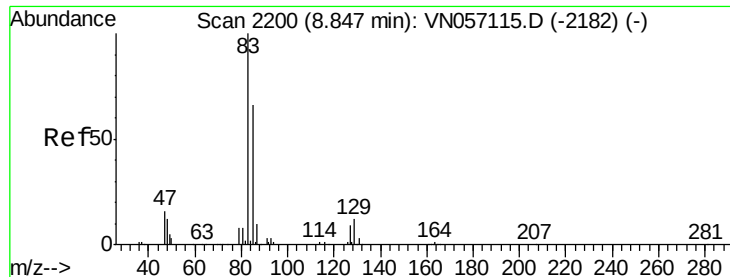
Tgt Ion: 63 Resp: 1832559
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 150.187 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 93 Resp: 1174968
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.0 99.0
 174 118.9 96.0 144.0





#47

Bromodichloromethane

Concen: 159.252 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

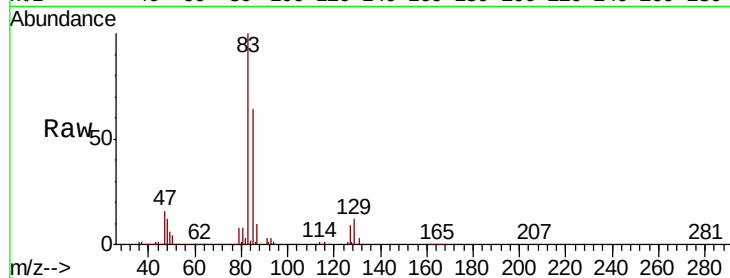
Tgt Ion: 83 Resp: 2390037

Ion Ratio Lower Upper

83 100

85 63.6 52.6 78.8

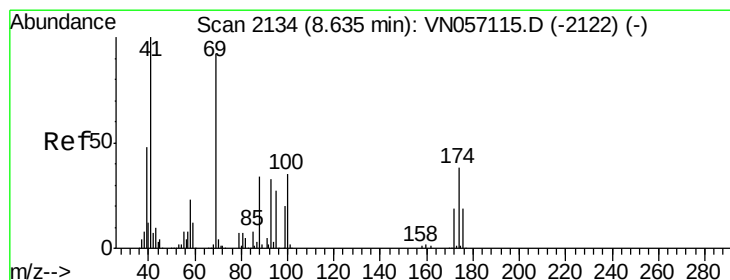
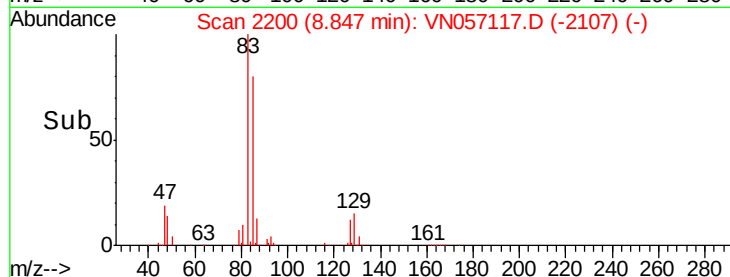
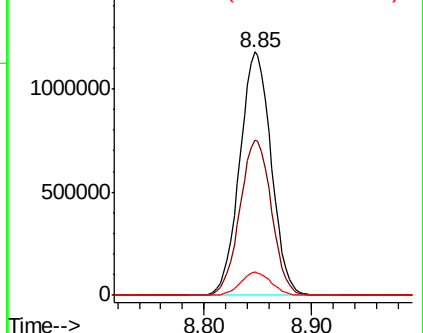
127 9.4 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN057117.D (-2182) (-)

Ion 84.90 (84.60 to 85.60): VN057117.D (-2182) (-)

Ion 126.80 (126.50 to 127.50): VN057117.D (-2182) (-)



#48

Methyl methacrylate

Concen: 157.929 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

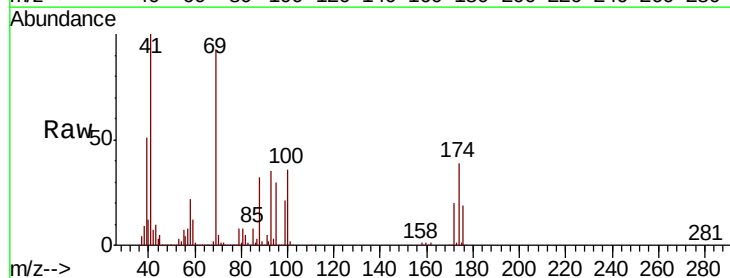
Tgt Ion: 41 Resp: 1520913

Ion Ratio Lower Upper

41 100

69 97.7 77.5 116.3

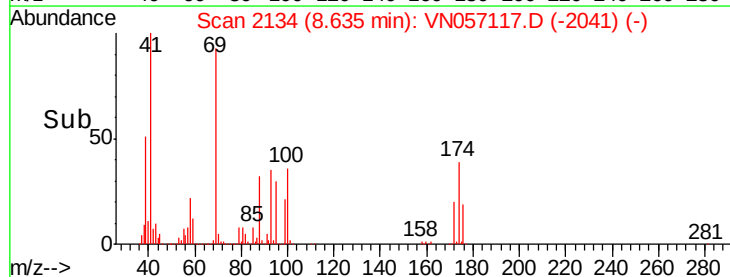
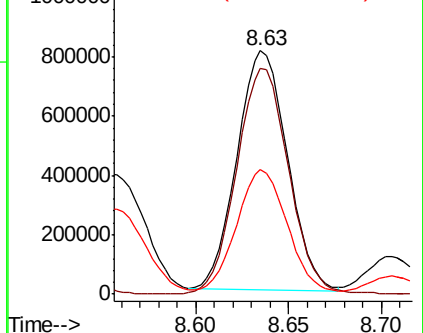
39 50.3 39.8 59.6

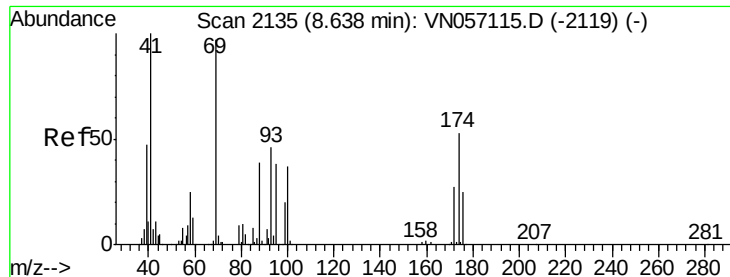


Abundance Ion 41.00 (40.70 to 41.70): VN057117.D (-2134) (-)

Ion 69.00 (68.70 to 69.70): VN057117.D (-2134) (-)

Ion 39.00 (38.70 to 39.70): VN057117.D (-2134) (-)

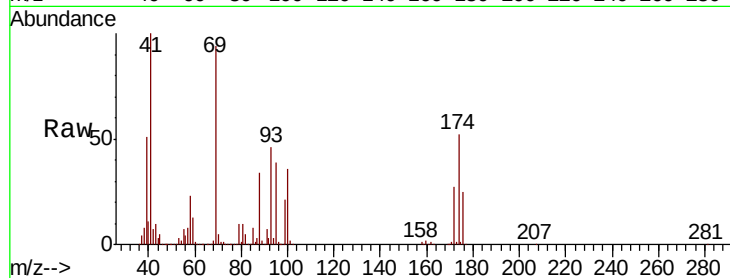




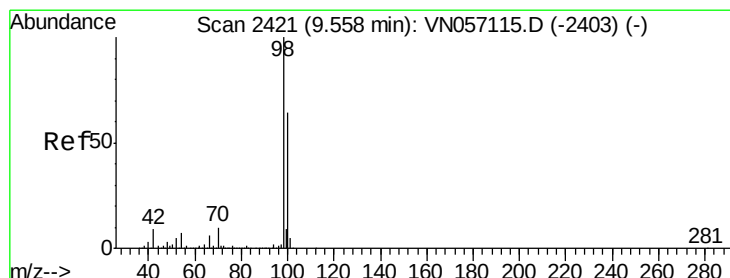
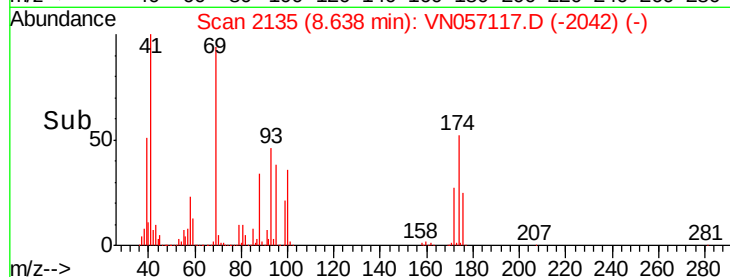
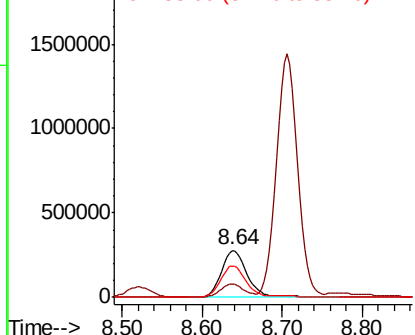
#49
1,4-Dioxane
Concen: 3187.959 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 623799
Ion Ratio Lower Upper
88 100
43 26.4 21.7 32.5
58 65.3 51.1 76.7

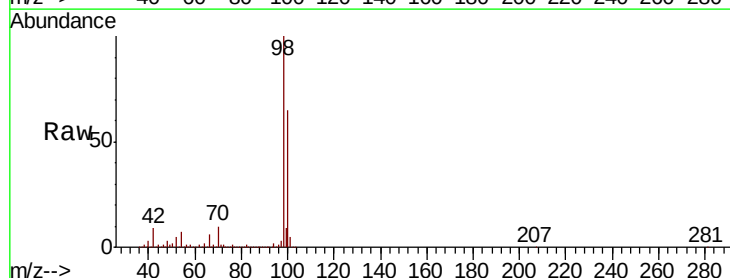


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

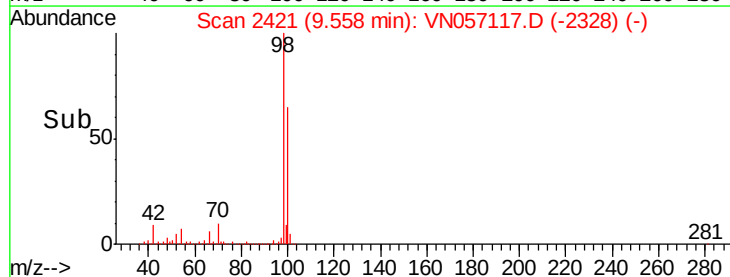
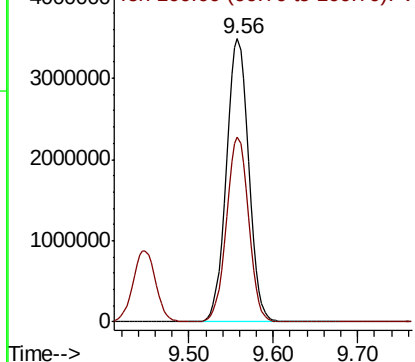


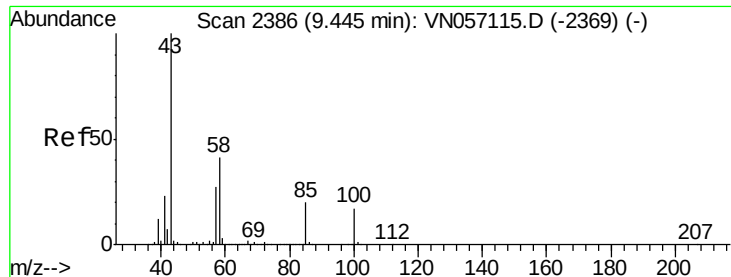
#50
Toluene-d8
Concen: 148.634 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 98 Resp: 6395657
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 881.884 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

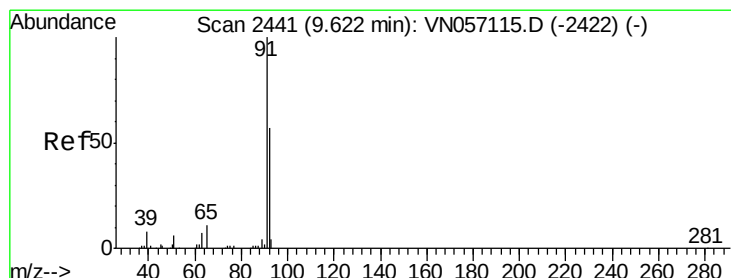
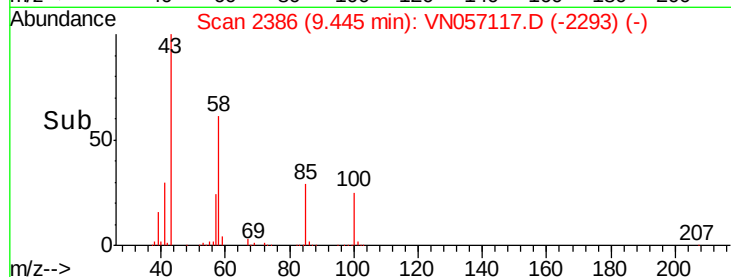
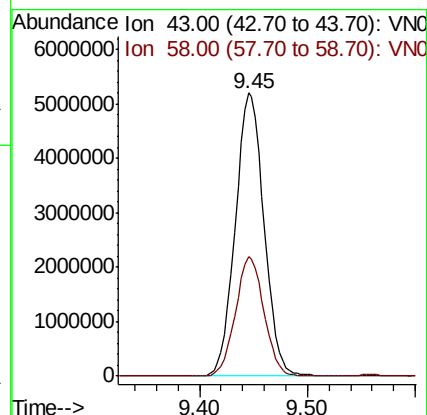
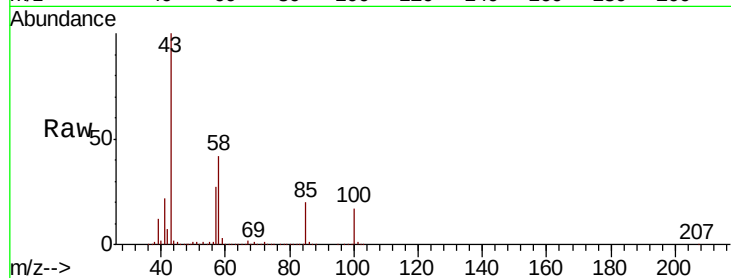
VSTDIC150

Tgt Ion: 43 Resp: 9639347

Ion Ratio Lower Upper

43 100

58 41.9 33.2 49.8



#52

Toluene

Concen: 150.955 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057117.D

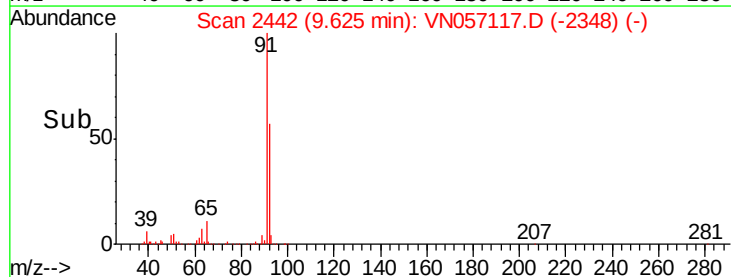
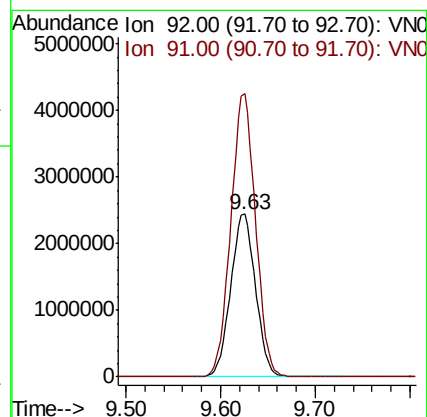
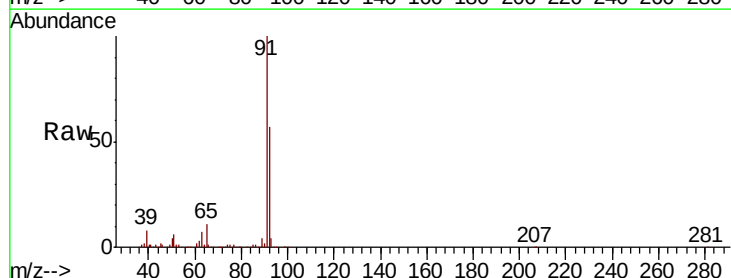
Acq: 7 Aug 2019 20:58

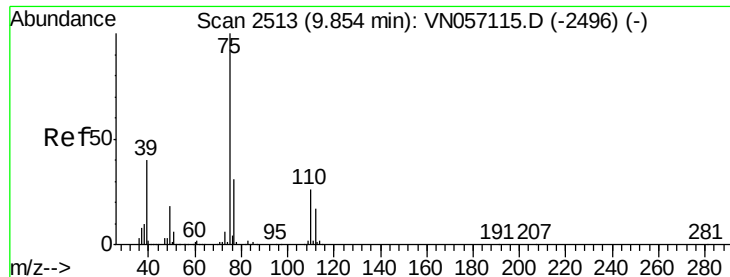
Tgt Ion: 92 Resp: 4452531

Ion Ratio Lower Upper

92 100

91 173.1 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 168.059 ug/l

RT: 9.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

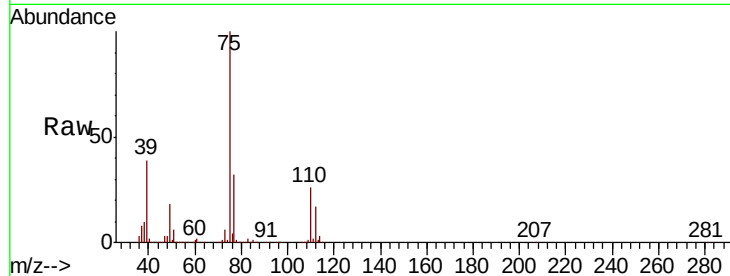
VSTDIC150

Tgt Ion: 75 Resp: 2645786

Ion Ratio Lower Upper

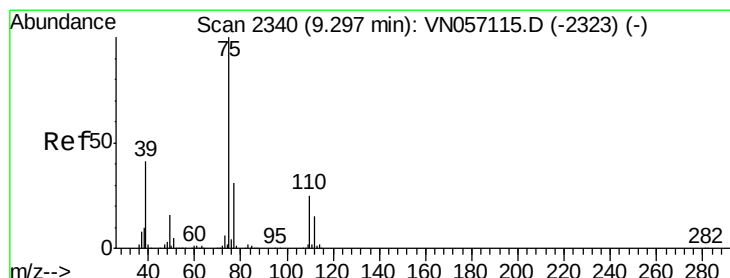
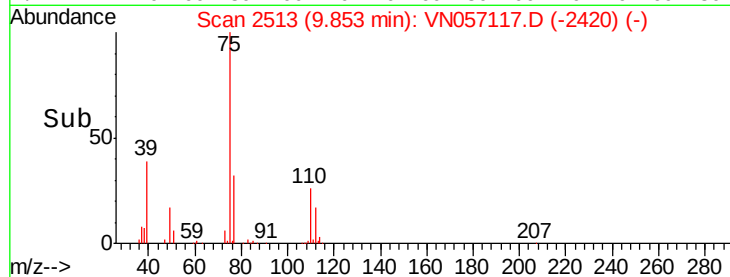
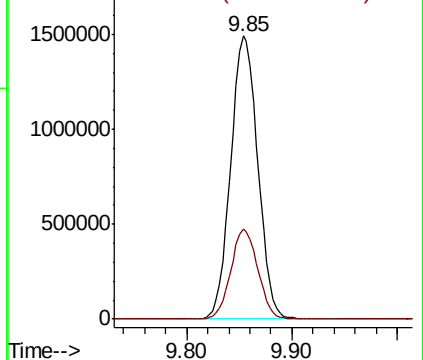
75 100

77 31.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 159.377 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

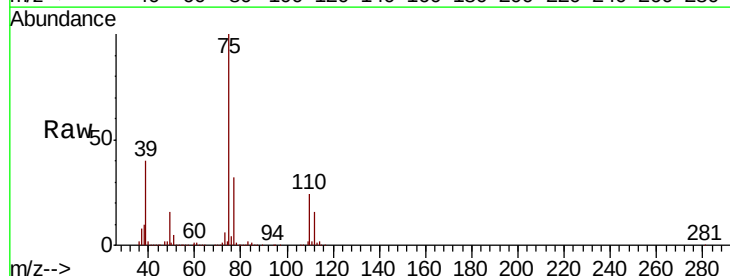
Tgt Ion: 75 Resp: 2942017

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

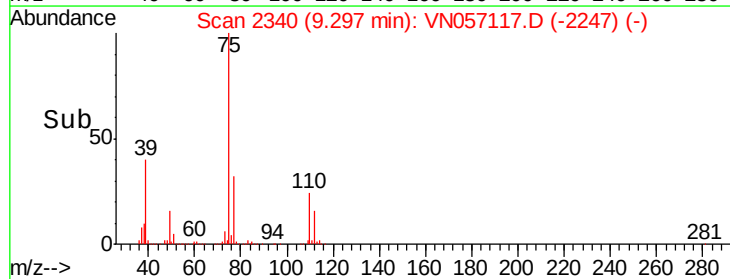
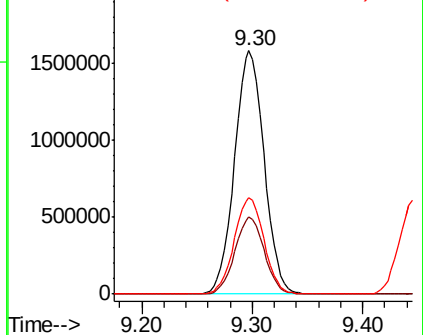
39 39.6 32.5 48.7

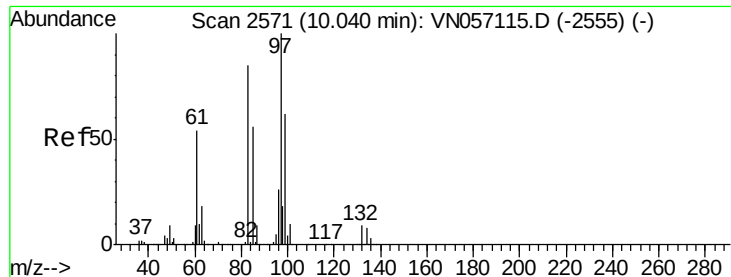


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 152.510 ug/l

RT: 10.04 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 1716734

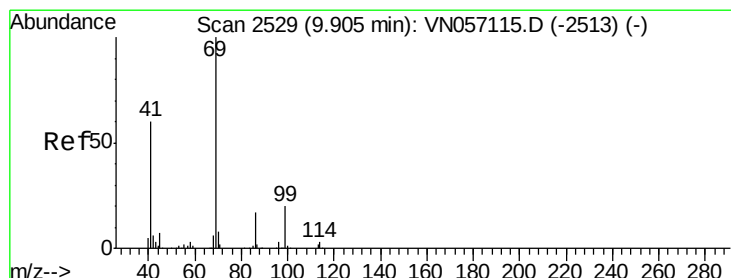
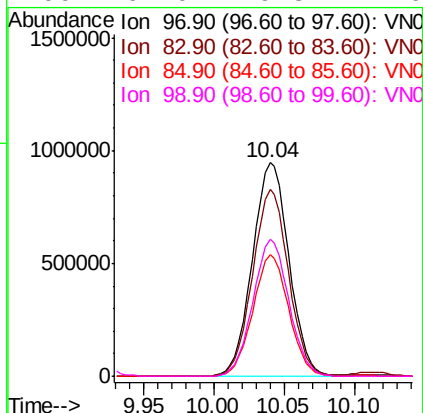
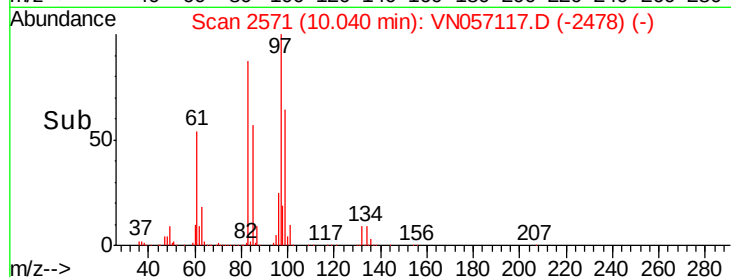
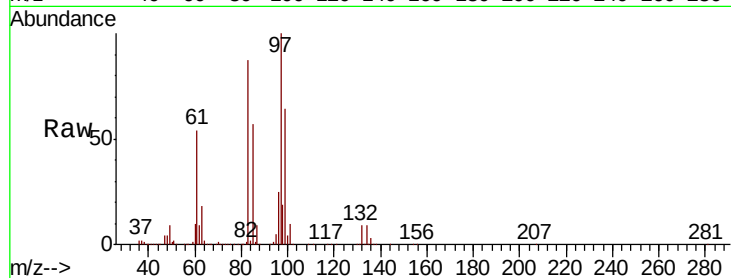
Ion Ratio Lower Upper

97 100

83 87.2 67.8 101.8

85 56.8 44.4 66.6

99 64.0 49.8 74.6



#56

Ethyl methacrylate

Concen: 175.996 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

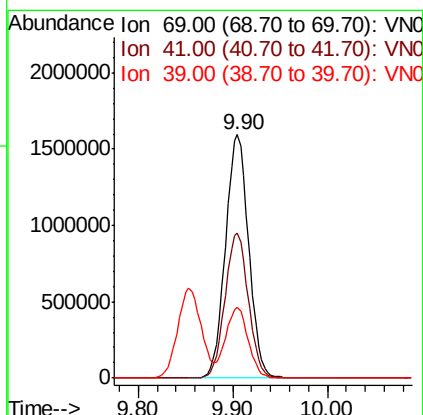
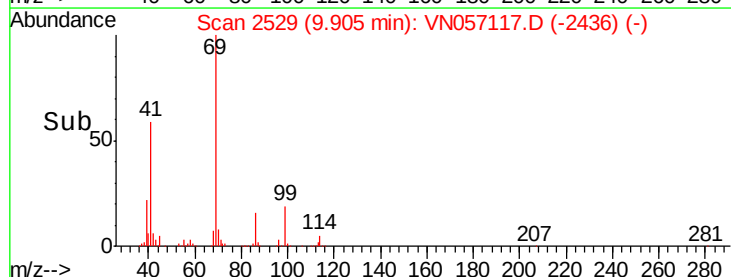
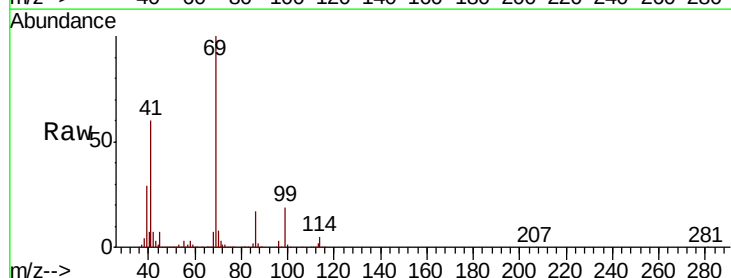
Tgt Ion: 69 Resp: 2714260

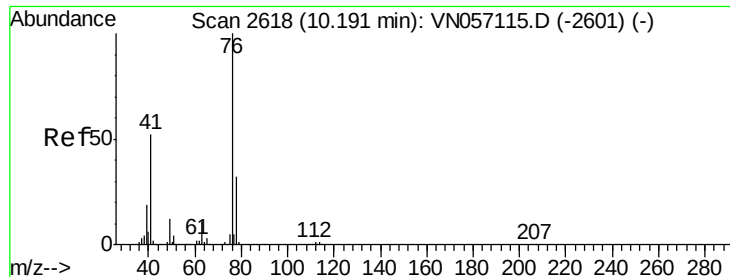
Ion Ratio Lower Upper

69 100

41 59.7 48.1 72.1

39 28.8 23.6 35.4

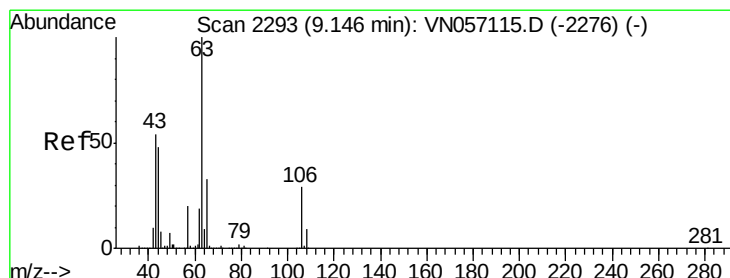
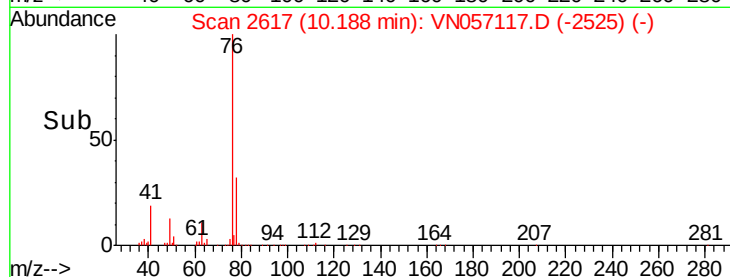
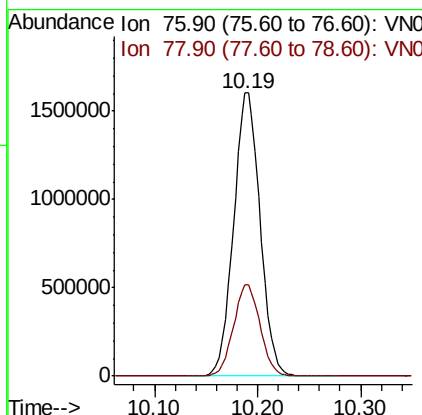
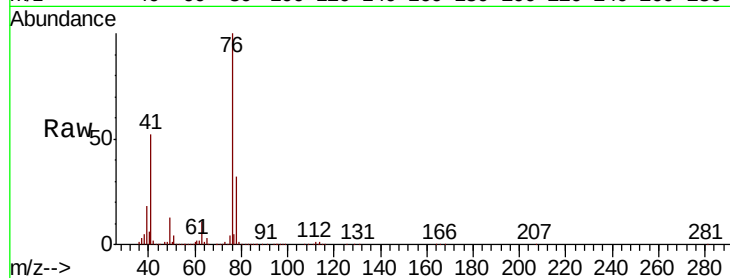




#57
 1,3-Dichloropropane
 Concen: 153.206 ug/l
 RT: 10.19 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

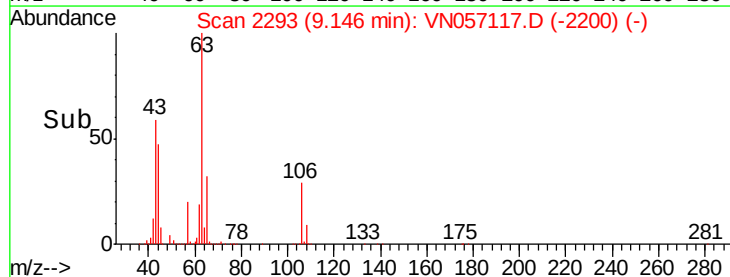
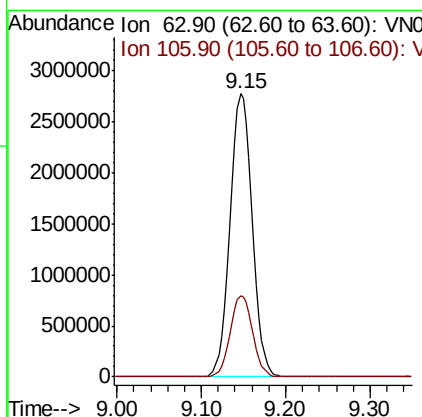
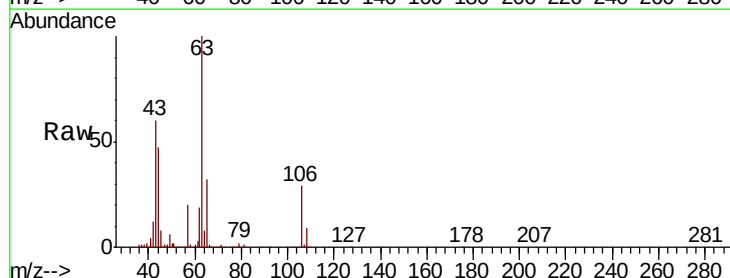
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

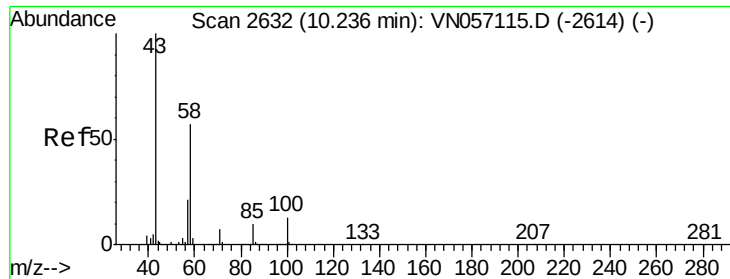
Tgt Ion: 76 Resp: 2863143
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 910.865 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 63 Resp: 5068123
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.6 33.8

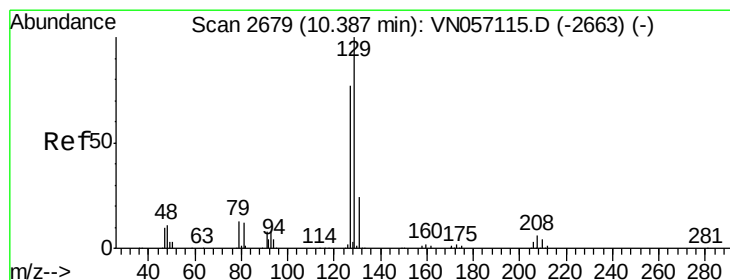
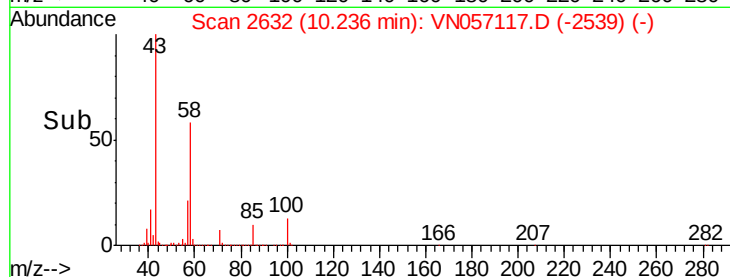
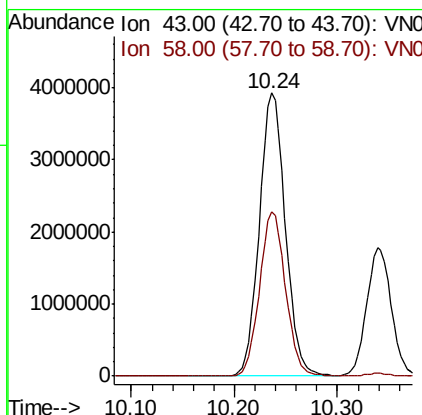
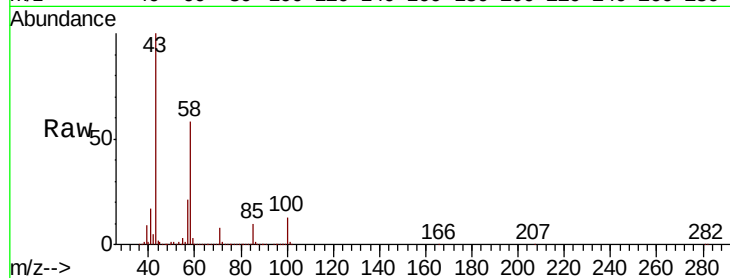




#59
2-Hexanone
Concen: 872.695 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

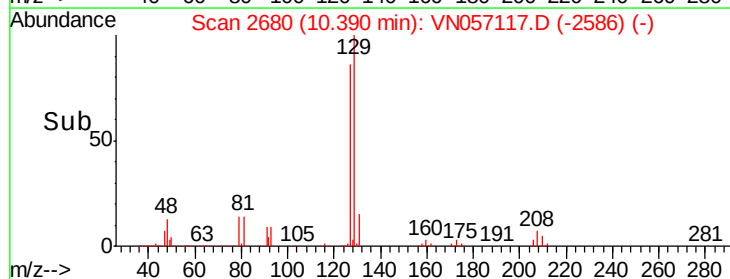
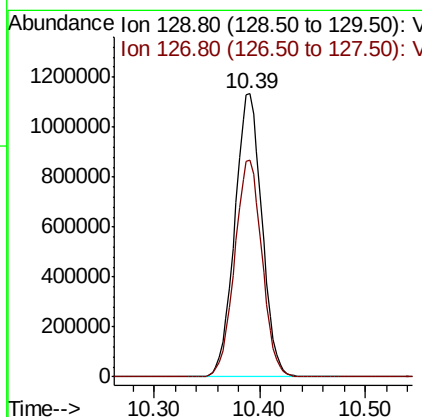
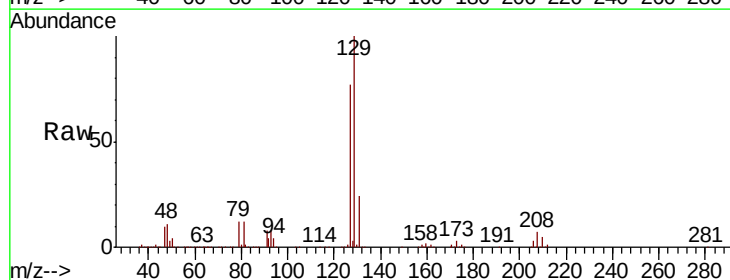
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

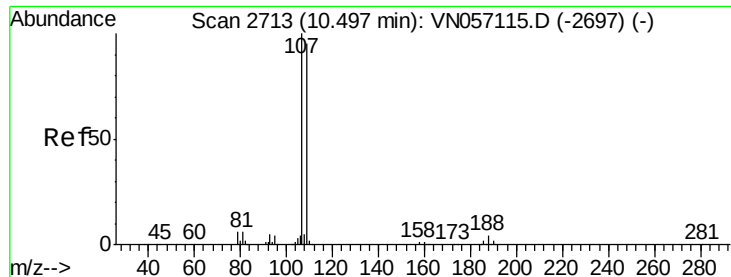
Tgt Ion: 43 Resp: 6843570
Ion Ratio Lower Upper
43 100
58 58.1 29.2 87.6



#60
Dibromochloromethane
Concen: 172.261 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 129 Resp: 2017602
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0

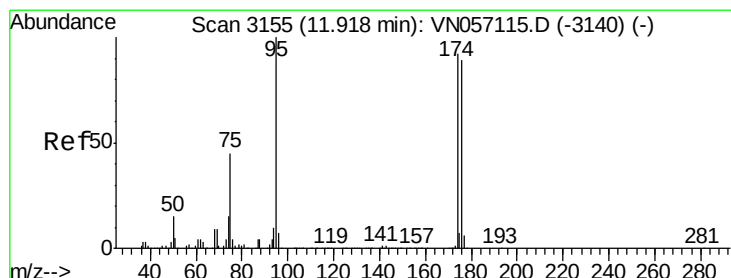
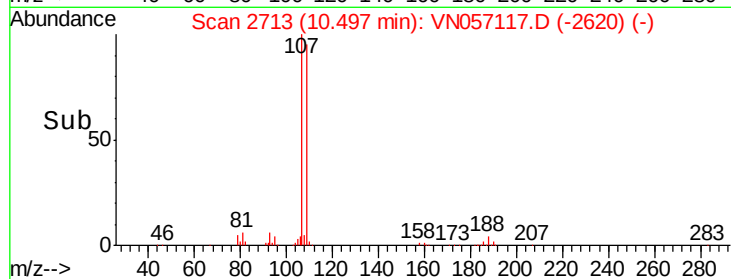
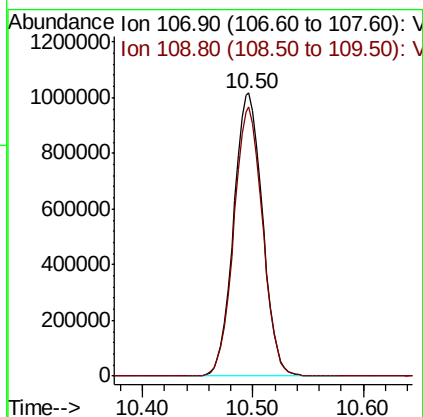
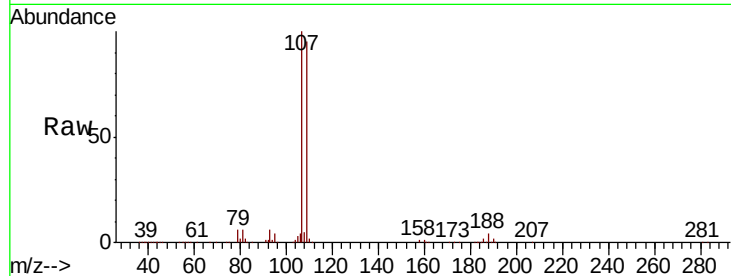




#61
 1,2-Dibromoethane
 Concen: 160.305 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

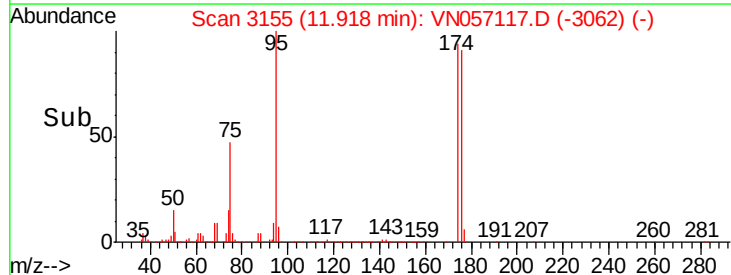
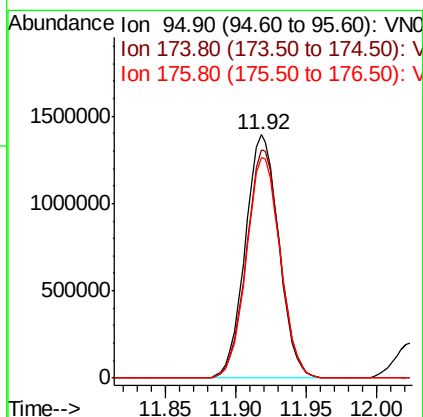
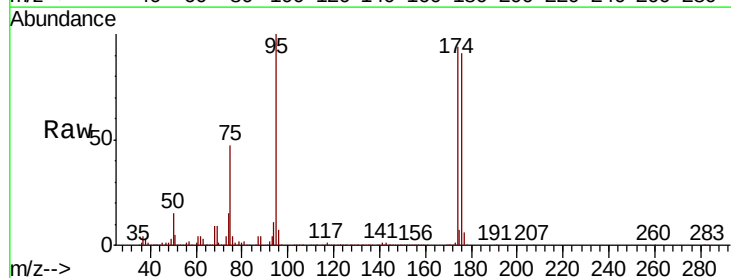
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

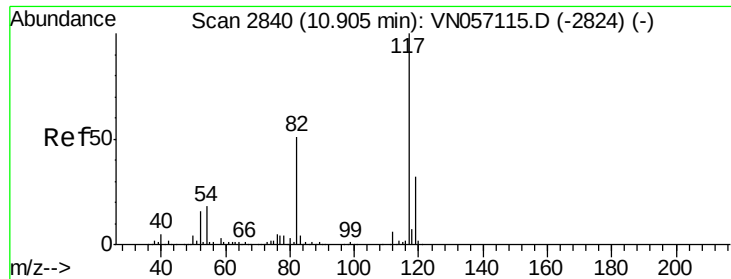
Tgt Ion: 107 Resp: 1843031
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 168.199 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 95 Resp: 2327826
 Ion Ratio Lower Upper
 95 100
 174 94.1 0.0 185.0
 176 91.1 0.0 181.2

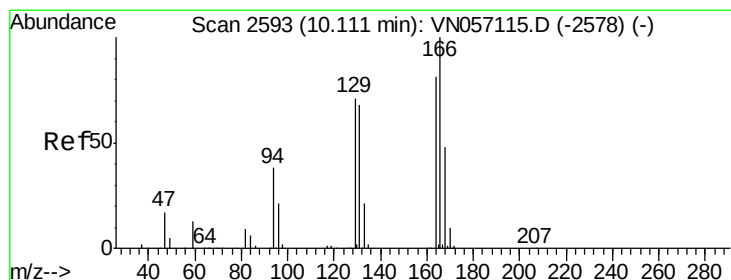
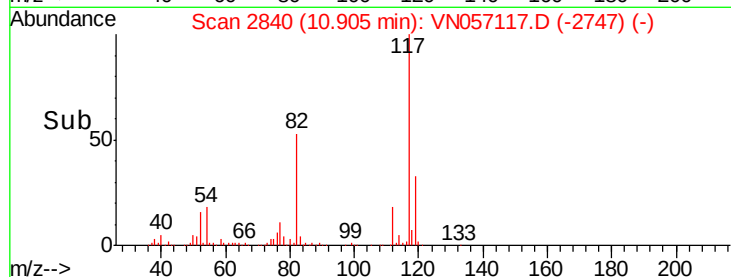
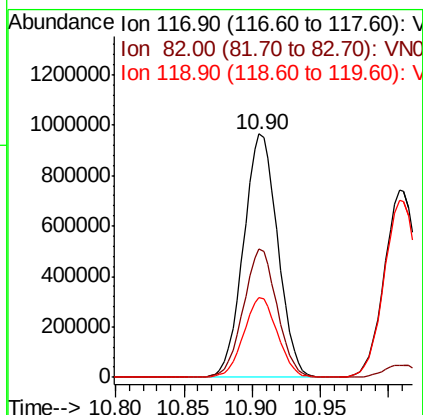
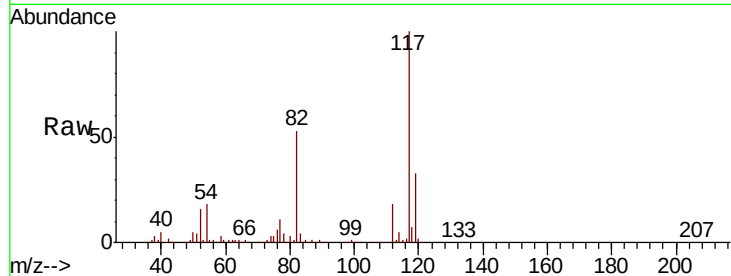




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

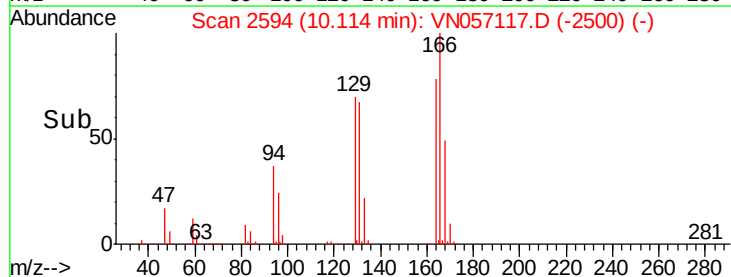
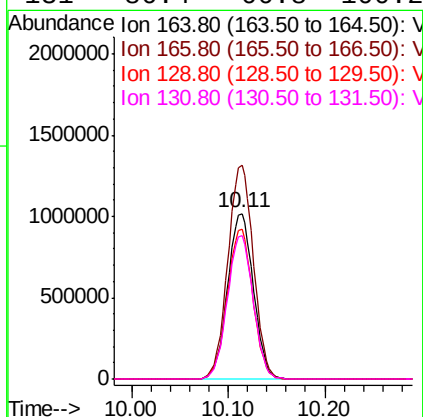
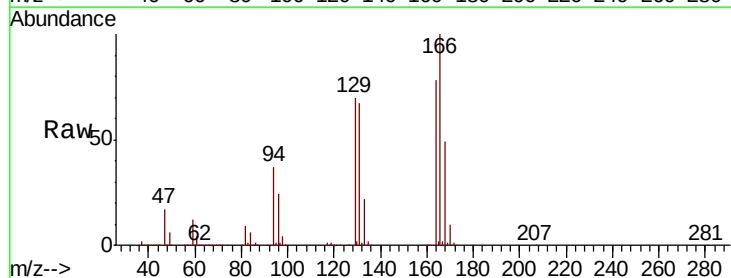
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

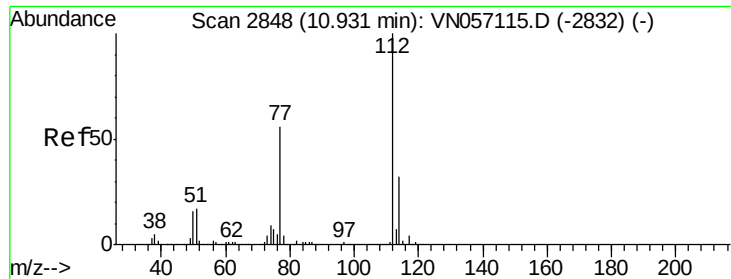
Tgt Ion:117 Resp: 1675416
Ion Ratio Lower Upper
117 100
82 52.6 40.8 61.2
119 32.8 25.7 38.5



#64
Tetrachloroethene
Concen: 133.529 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion:164 Resp: 1882076
Ion Ratio Lower Upper
164 100
166 129.0 98.3 147.5
129 90.2 69.8 104.6
131 86.4 66.8 100.2





#65

Chlorobenzene

Concen: 148.267 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

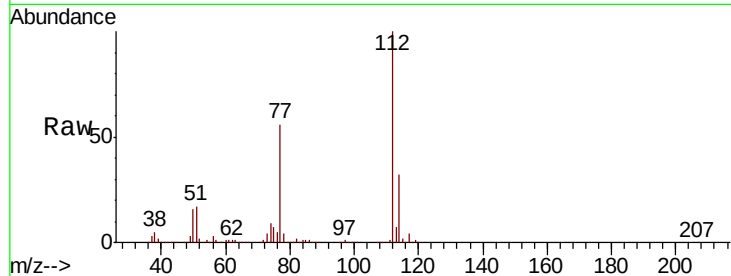
VSTDIC150

Tgt Ion:112 Resp: 5015056

Ion Ratio Lower Upper

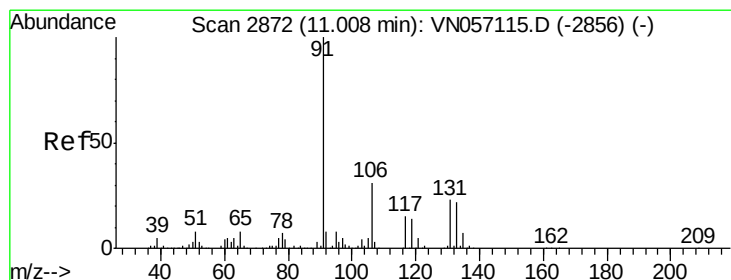
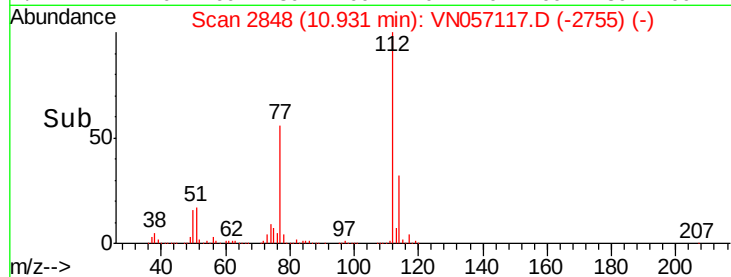
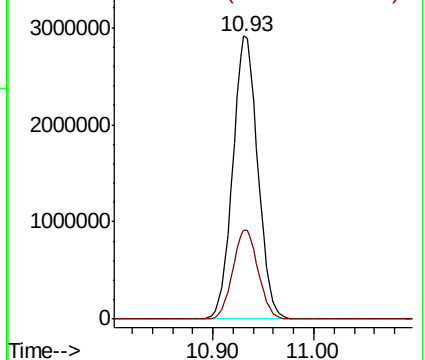
112 100

114 31.6 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 151.883 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

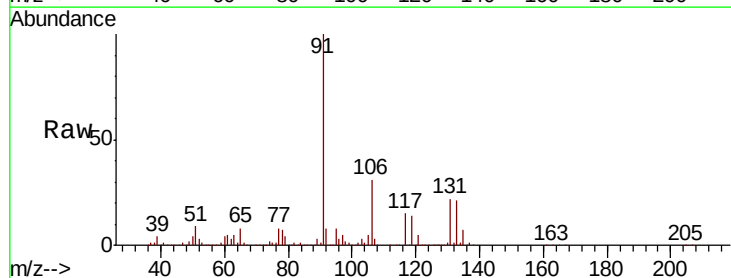
Tgt Ion:131 Resp: 1892900

Ion Ratio Lower Upper

131 100

133 94.9 47.6 142.8

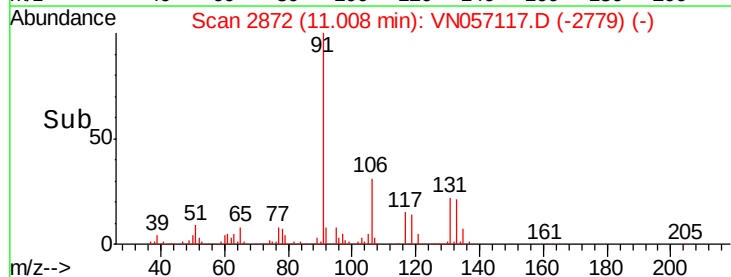
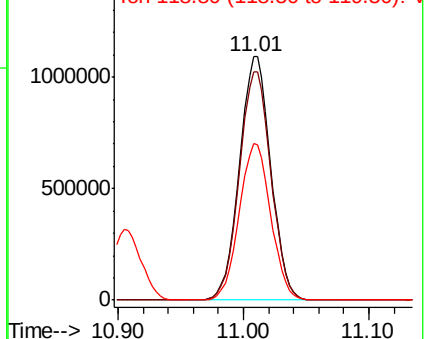
119 64.7 32.6 97.7

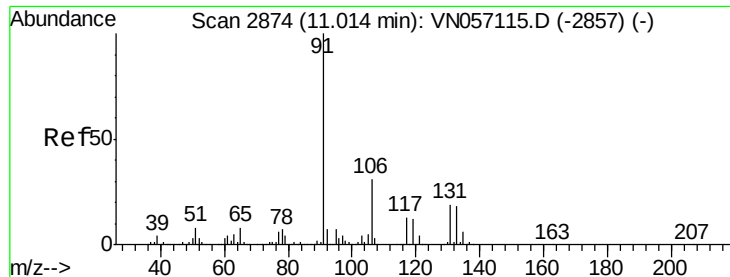


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 151.229 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

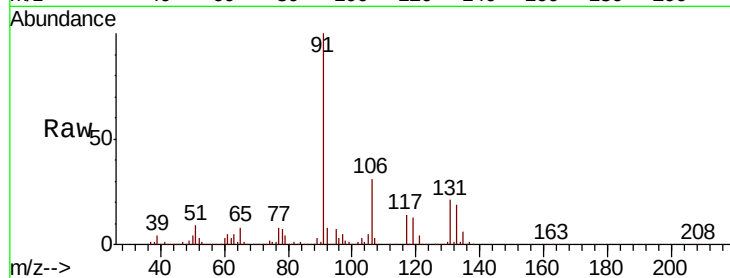
VSTDIC150

Tgt Ion: 91 Resp: 8804956

Ion Ratio Lower Upper

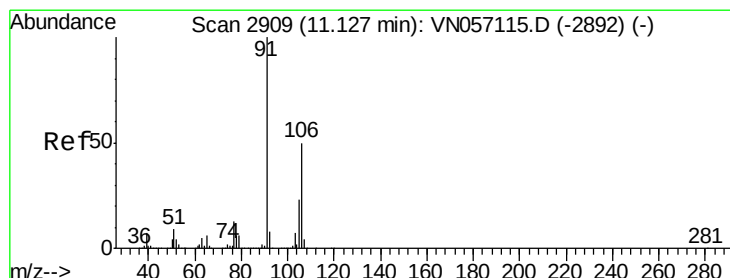
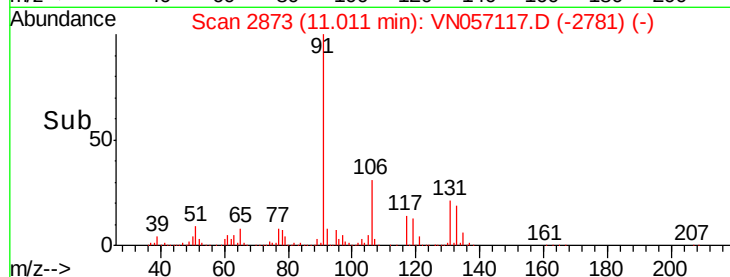
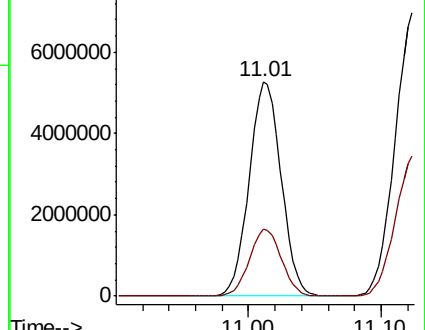
91 100

106 31.2 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN057117.D (-2857) (-)

Ion 106.00 (105.70 to 106.70): VN057117.D (-2857) (-)



#68

m/p-Xylenes

Concen: 305.370 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057117.D

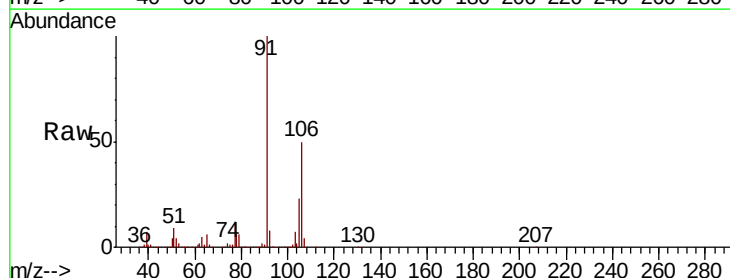
Acq: 7 Aug 2019 20:58

Tgt Ion: 106 Resp: 6697084

Ion Ratio Lower Upper

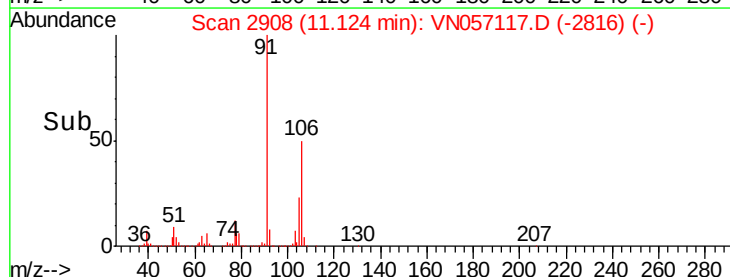
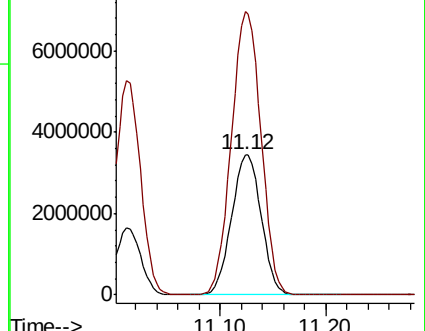
106 100

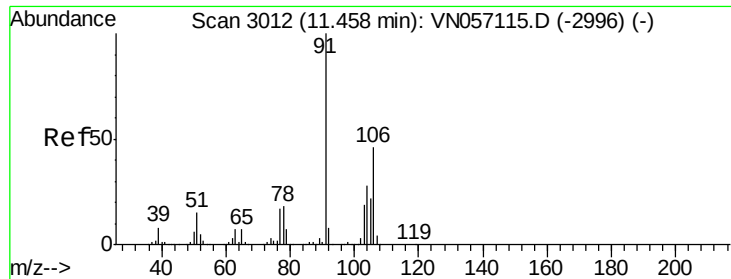
91 201.5 159.8 239.8



Abundance Ion 106.00 (105.70 to 106.70): VN057117.D (-2892) (-)

Ion 91.00 (90.70 to 91.70): VN057117.D (-2892) (-)

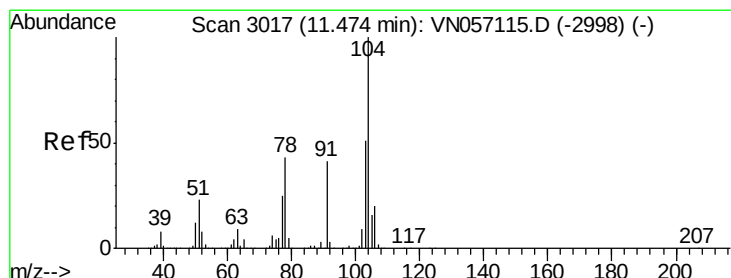
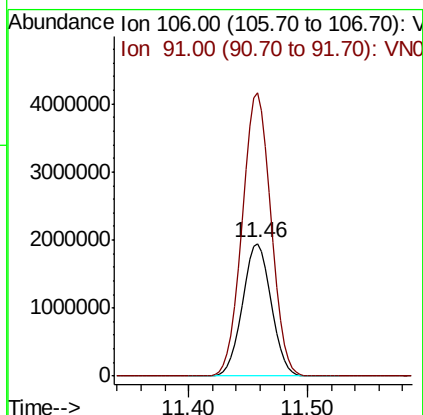
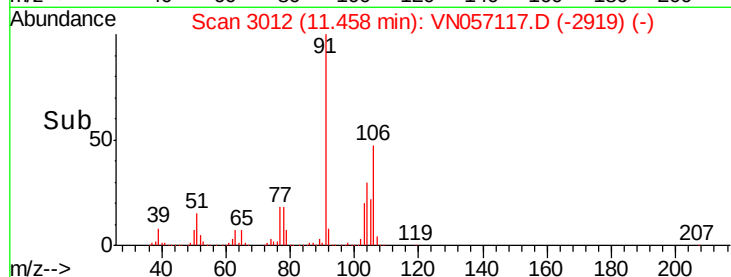
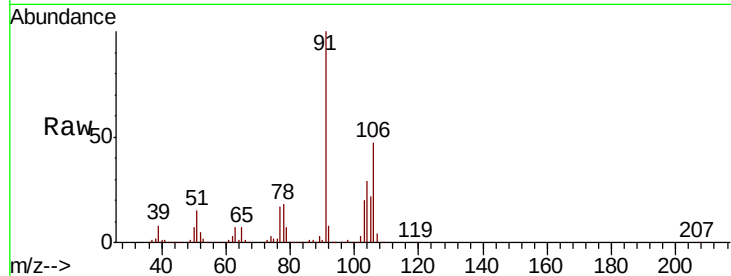




#69
o-Xylene
Concen: 151.296 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

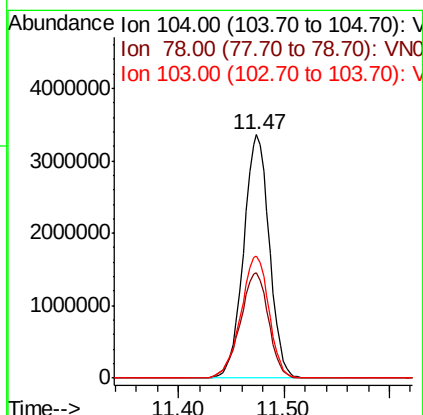
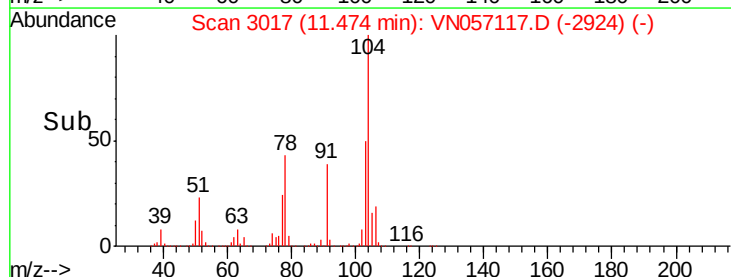
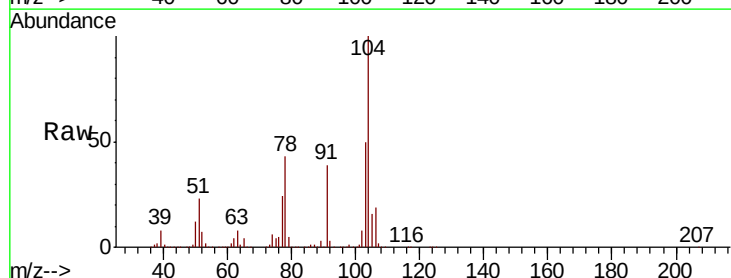
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

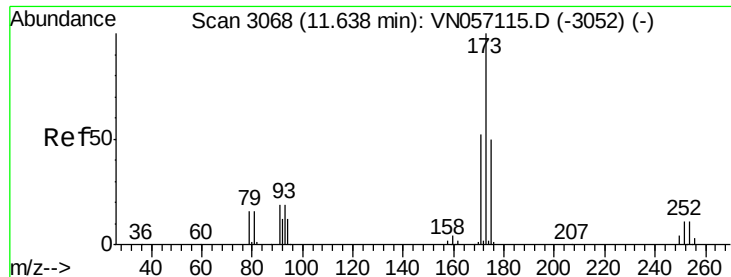
Tgt Ion:106 Resp: 3259668
Ion Ratio Lower Upper
106 100
91 213.2 106.8 320.5



#70
Styrene
Concen: 165.404 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion:104 Resp: 5682867
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 54.8 44.6 66.8





#71

Bromoform

Concen: 176.467 ug/l

RT: 11.64 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

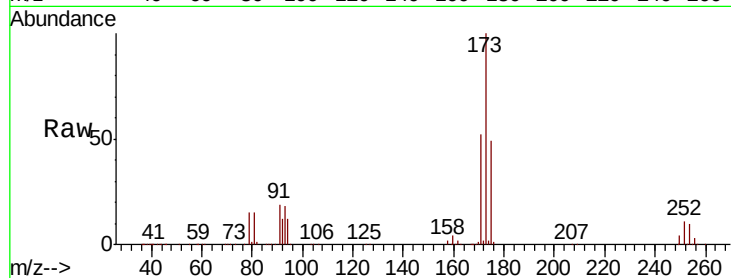
Tgt Ion:173 Resp: 1553485

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.8

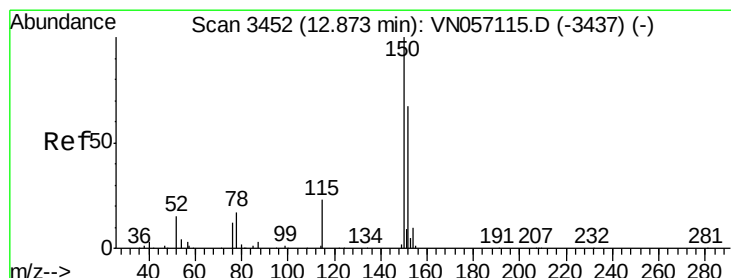
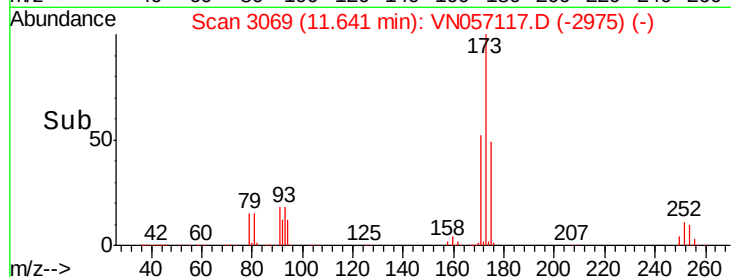
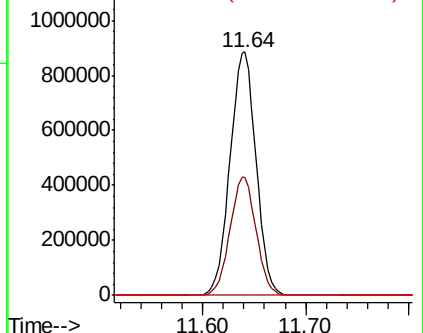
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

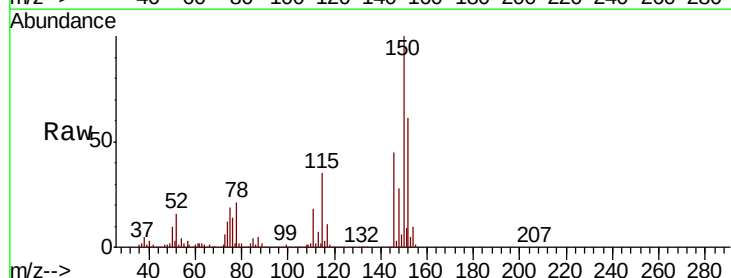
Tgt Ion:152 Resp: 754143

Ion Ratio Lower Upper

152 100

115 56.3 27.5 82.5

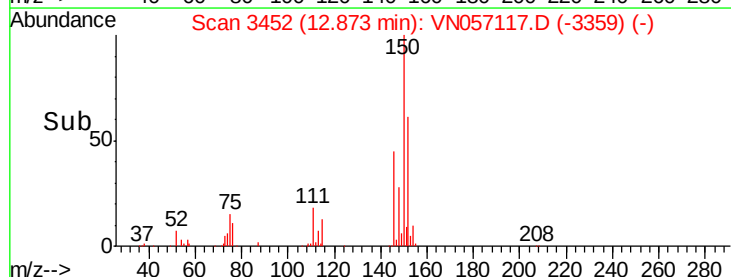
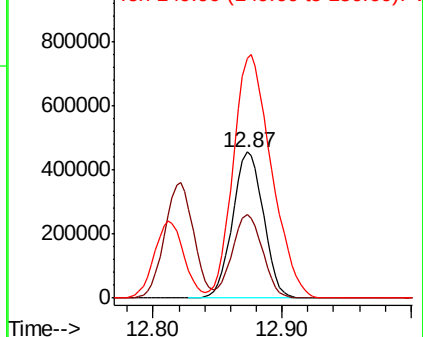
150 206.8 0.0 341.6

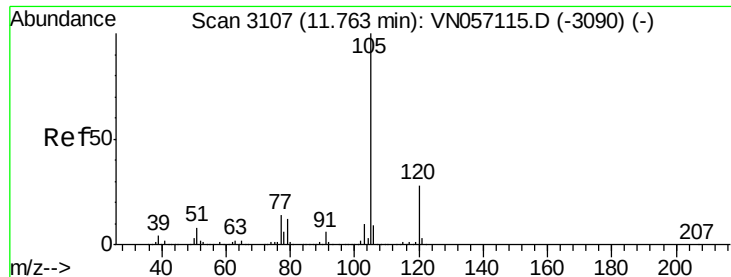


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

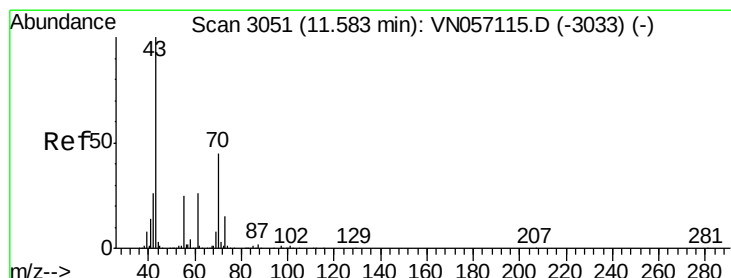
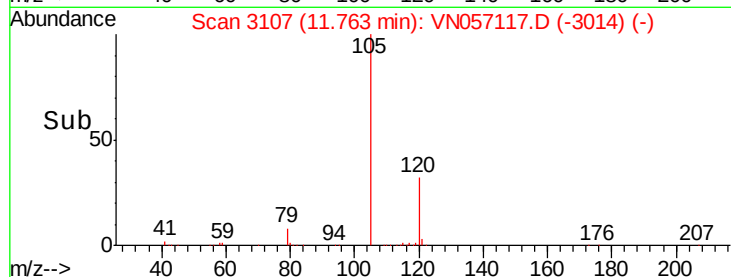
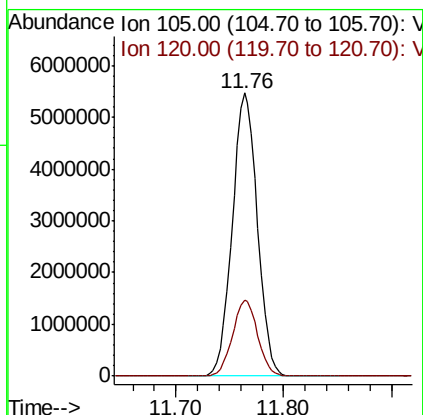
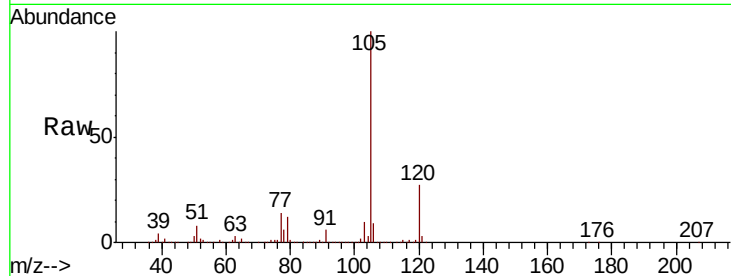




#73
Isopropylbenzene
Concen: 144.085 ug/l
RT: 11.76 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

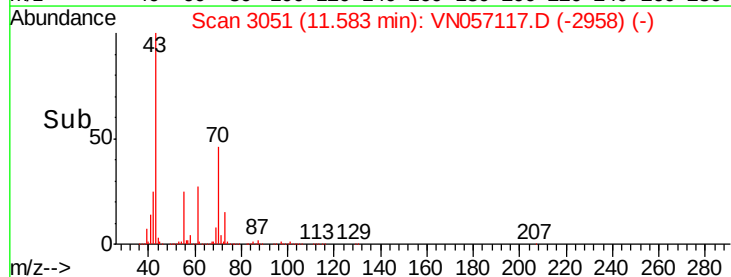
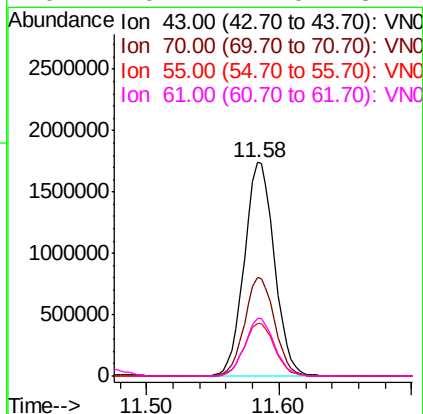
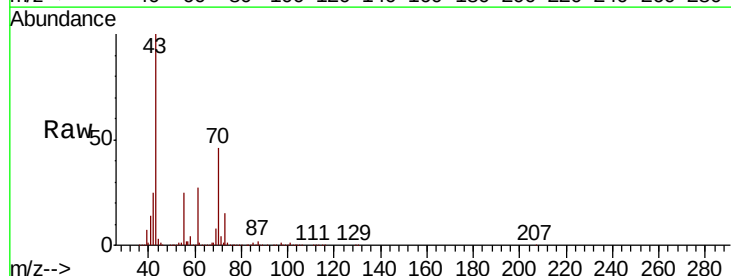
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

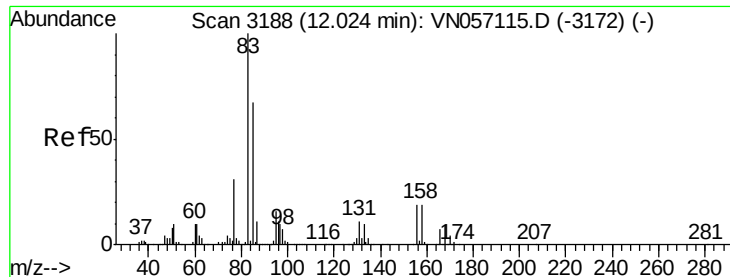
Tgt Ion:105 Resp: 8827260
Ion Ratio Lower Upper
105 100
120 26.9 13.7 41.0



#74
N-ethyl acetate
Concen: 151.680 ug/l
RT: 11.58 min Scan# 3051
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 43 Resp: 2727092
Ion Ratio Lower Upper
43 100
70 46.2 36.8 55.2
55 25.2 20.6 31.0
61 26.7 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 133.117 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

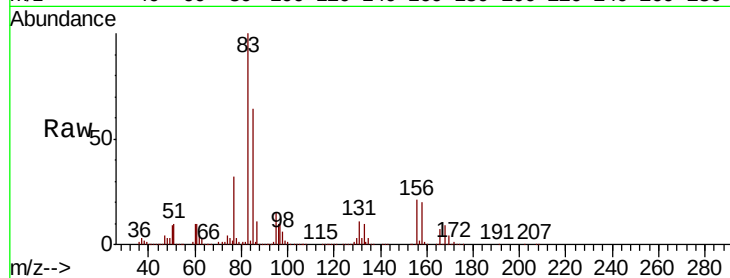
Tgt Ion: 83 Resp: 2293992

Ion Ratio Lower Upper

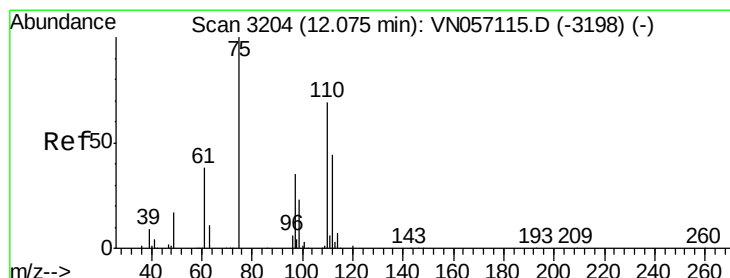
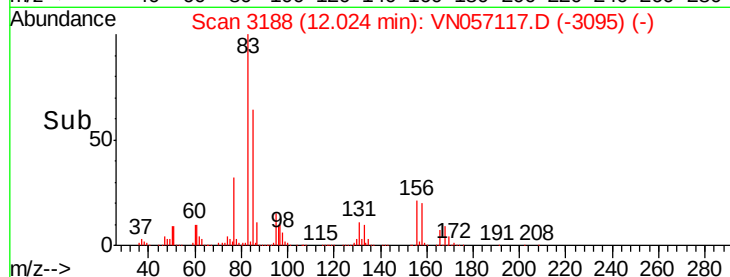
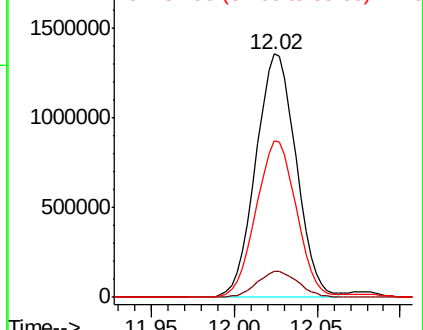
83 100

131 11.0 5.5 16.4

85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 206.921 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN057117.D

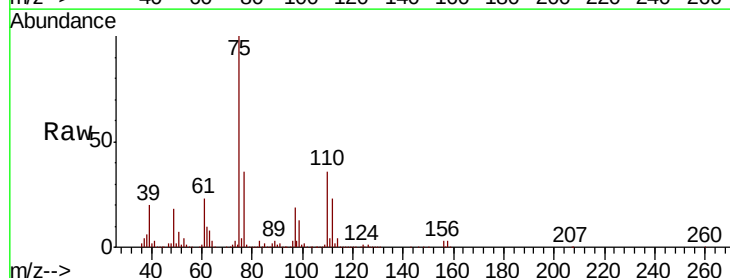
Acq: 7 Aug 2019 20:58

Tgt Ion: 75 Resp: 2946013

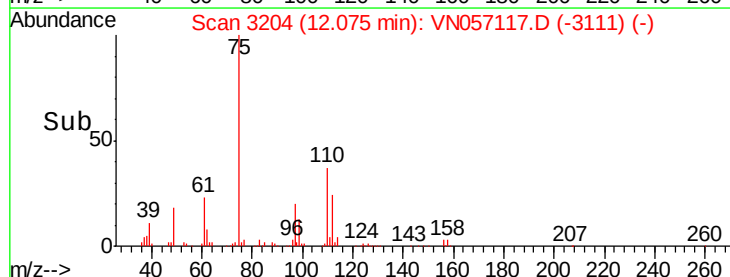
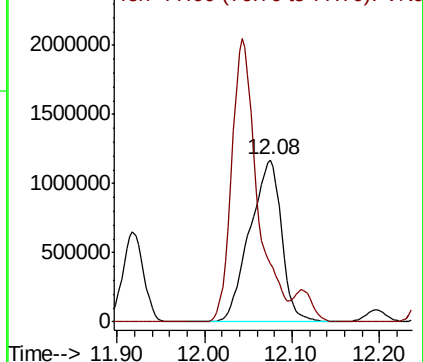
Ion Ratio Lower Upper

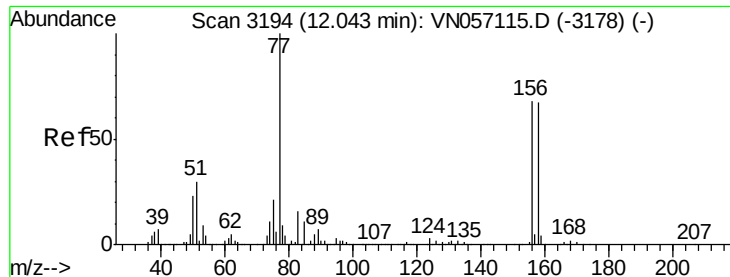
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 144.684 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

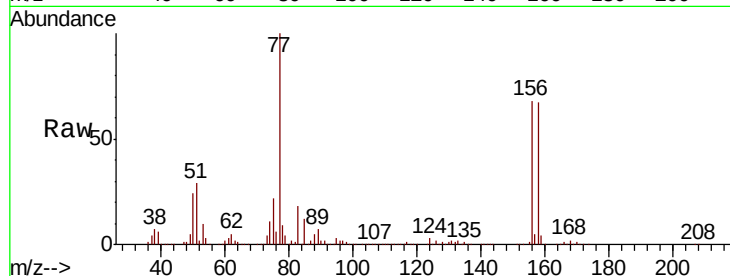
Tgt Ion:156 Resp: 2360524

Ion Ratio Lower Upper

156 100

77 176.9 88.7 266.1

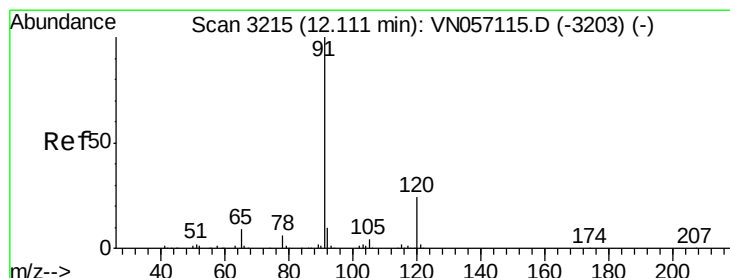
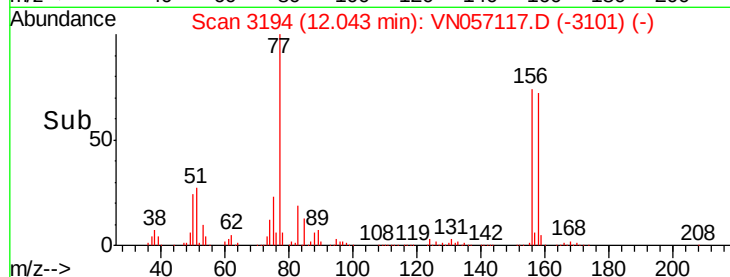
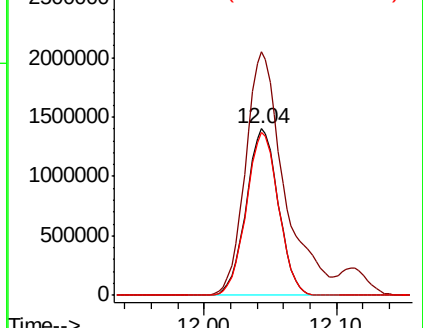
158 97.8 49.3 147.8



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: 158.524 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. -0.00 min

Lab File: VN057117.D

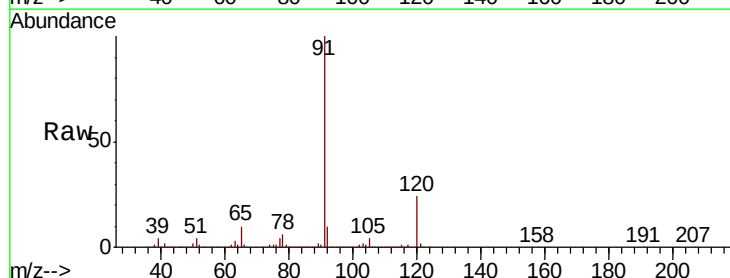
Acq: 7 Aug 2019 20:58

Tgt Ion: 91 Resp: 9960095

Ion Ratio Lower Upper

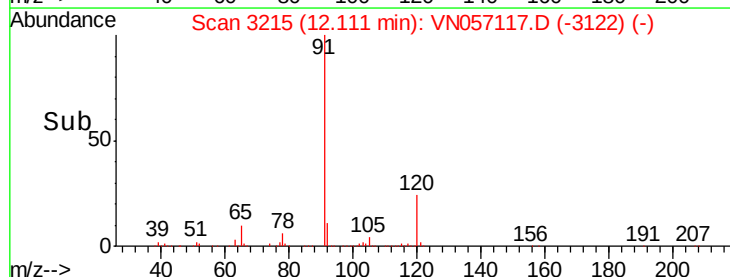
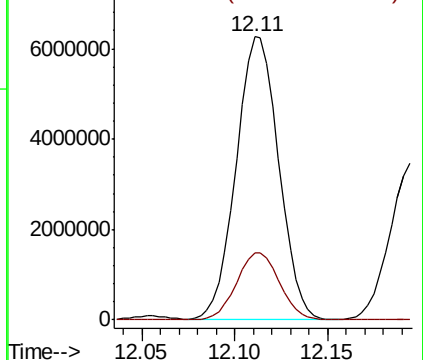
91 100

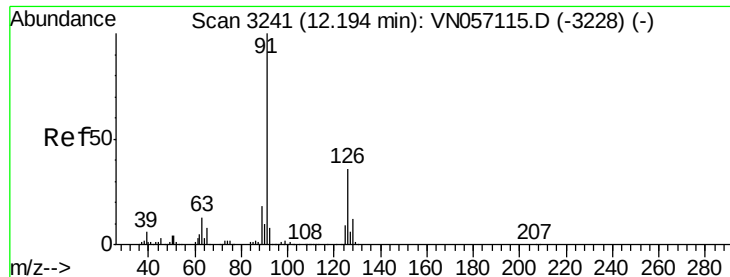
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.340 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

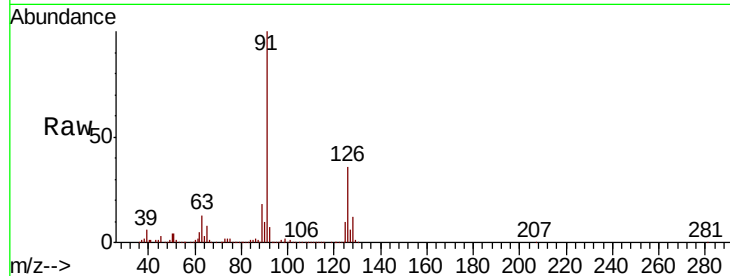
VSTDIC150

Tgt Ion: 91 Resp: 5882657

Ion Ratio Lower Upper

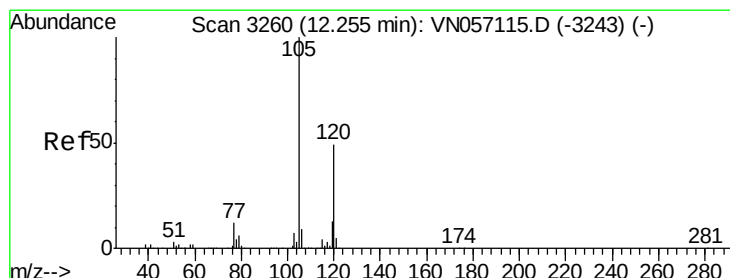
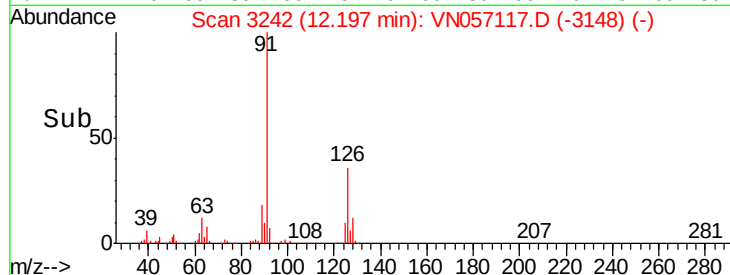
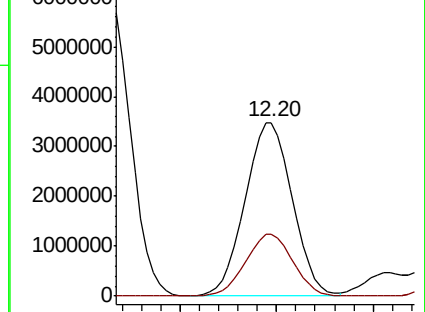
91 100

126 35.9 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN057117.D (-3148) (-)

Ion 125.90 (125.60 to 126.60): VN057117.D (-3148) (-)



#80

1,3,5-Trimethylbenzene

Concen: 147.714 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057117.D

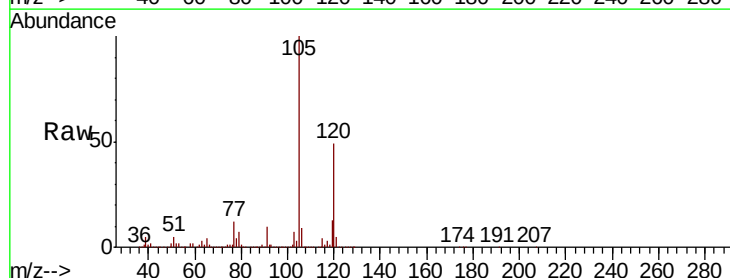
Acq: 7 Aug 2019 20:58

Tgt Ion: 105 Resp: 7558272

Ion Ratio Lower Upper

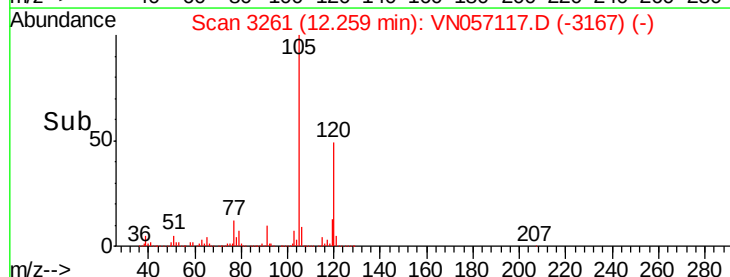
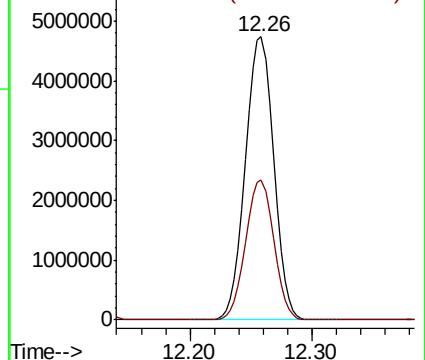
105 100

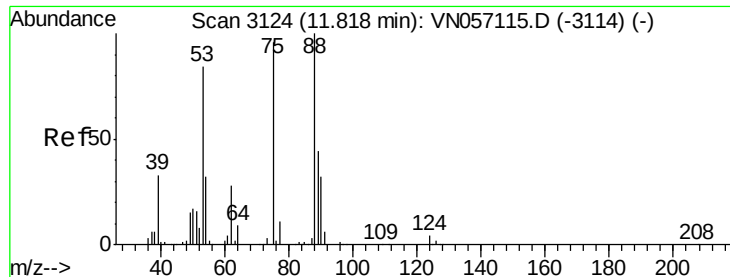
120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057117.D (-3167) (-)

Ion 120.00 (119.70 to 120.70): VN057117.D (-3167) (-)

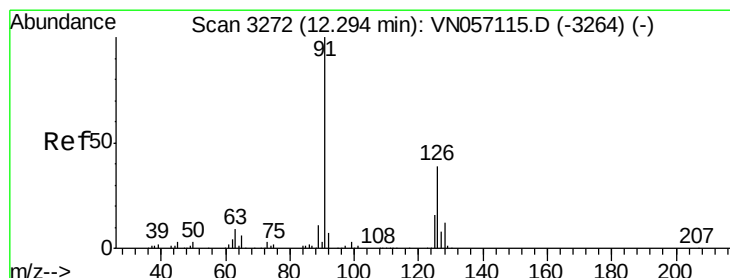
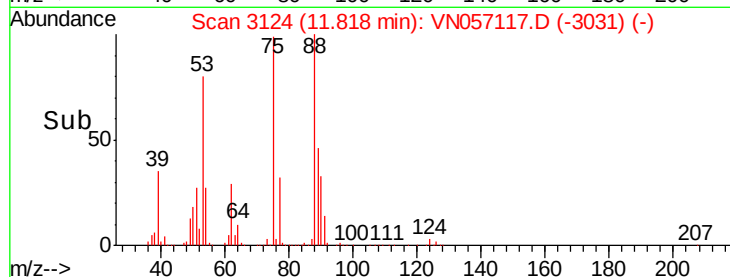
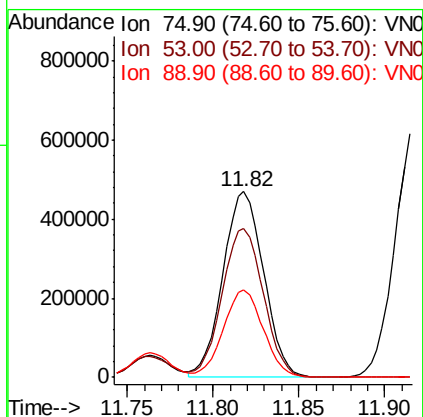
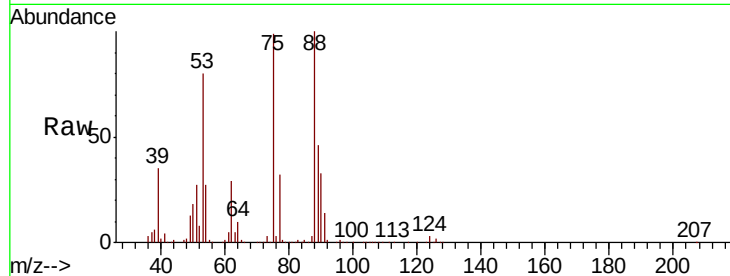




#81
trans-1,4-Dichloro-2-butene
Concen: 170.348 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

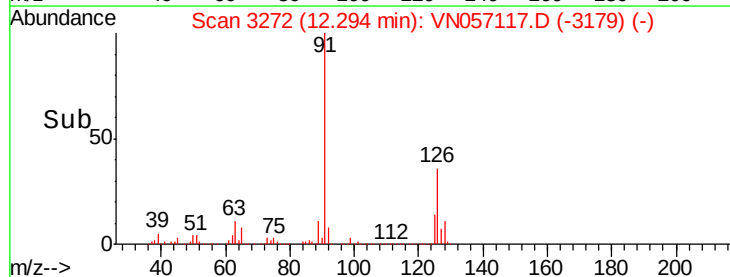
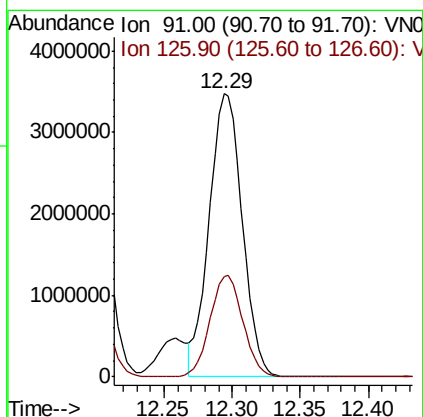
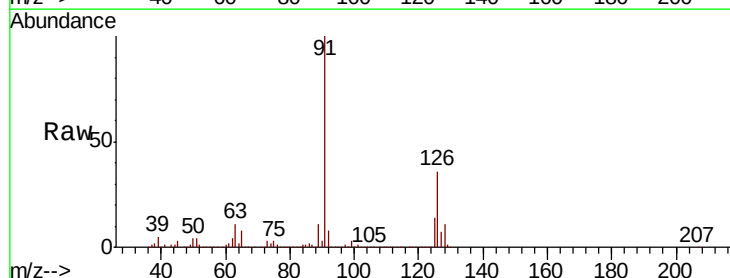
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

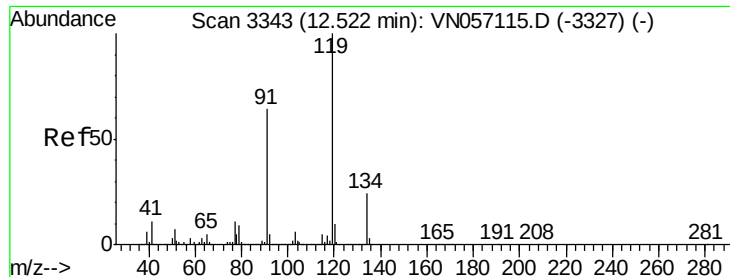
Tgt Ion: 75 Resp: 768790
Ion Ratio Lower Upper
75 100
53 81.9 70.6 106.0
89 46.7 36.4 54.6



#82
4-Chlorotoluene
Concen: 154.993 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 91 Resp: 5842762
Ion Ratio Lower Upper
91 100
126 35.5 17.9 53.7

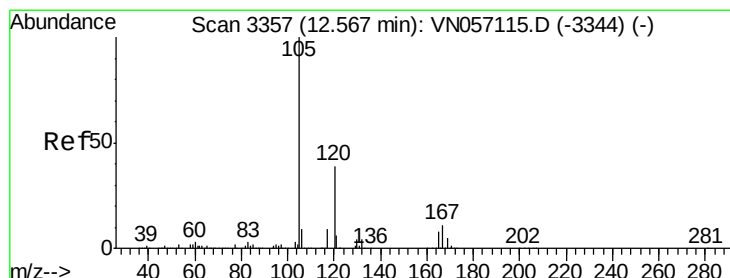
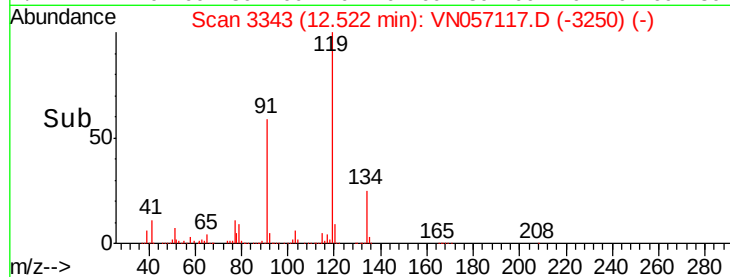
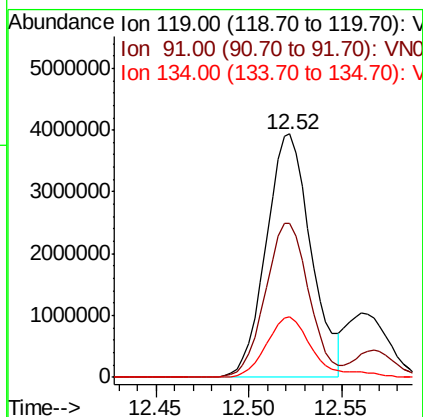
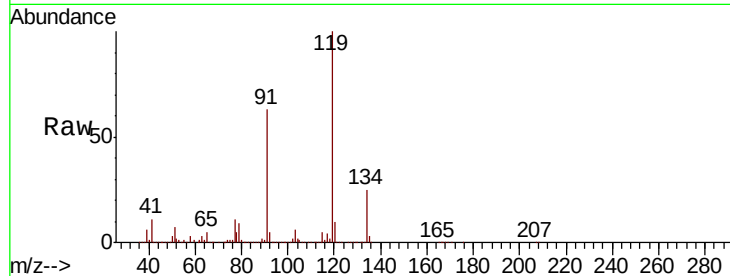




#83
 tert-Butylbenzene
 Concen: 147.409 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

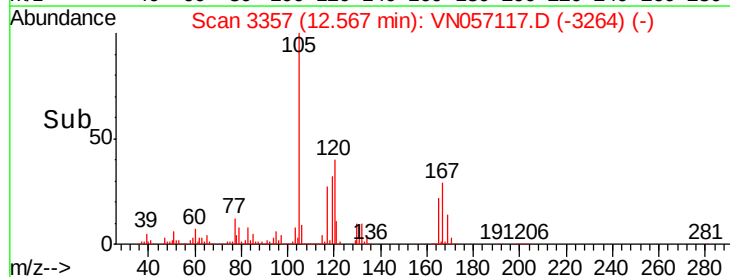
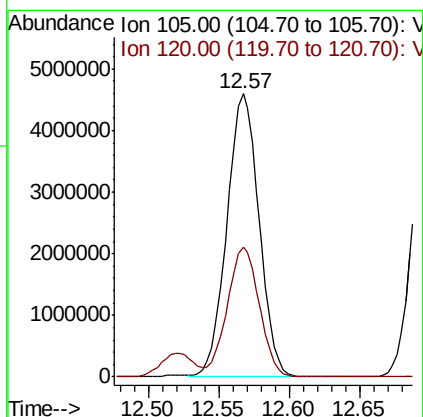
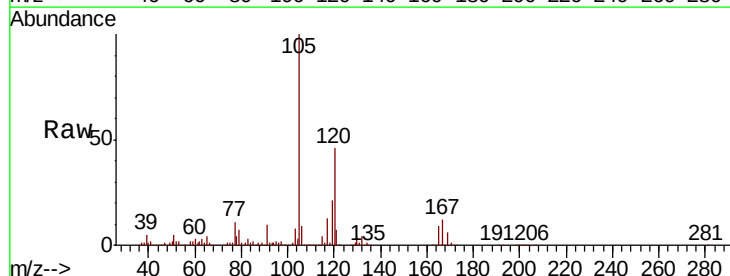
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

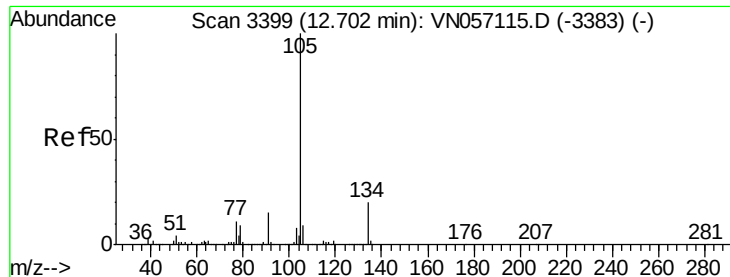
Tgt Ion:119 Resp: 6666460
 Ion Ratio Lower Upper
 119 100
 91 61.4 31.4 94.2
 134 25.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 149.346 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion:105 Resp: 7306392
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 154.790 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

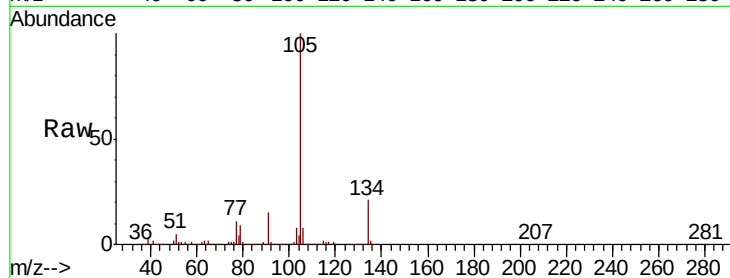
VSTDIC150

Tgt Ion:105 Resp: 8641266

Ion Ratio Lower Upper

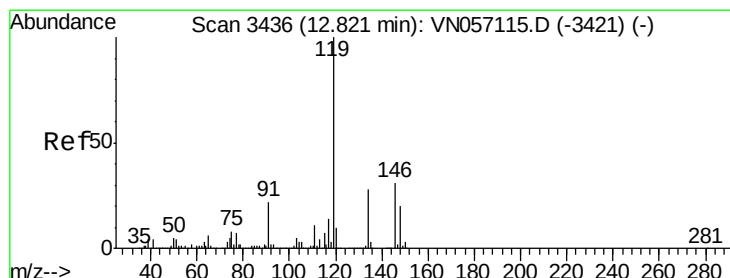
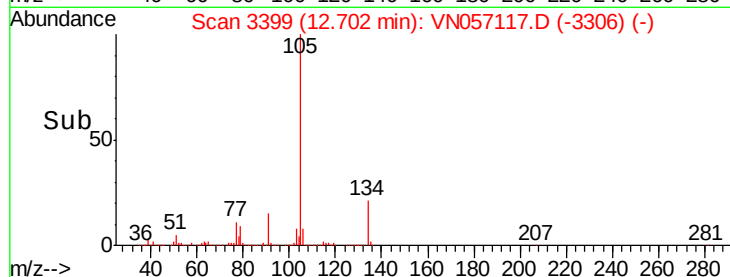
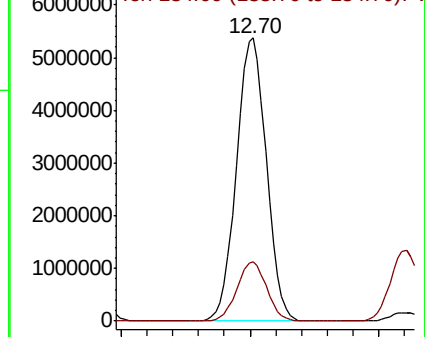
105 100

134 20.7 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 159.264 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

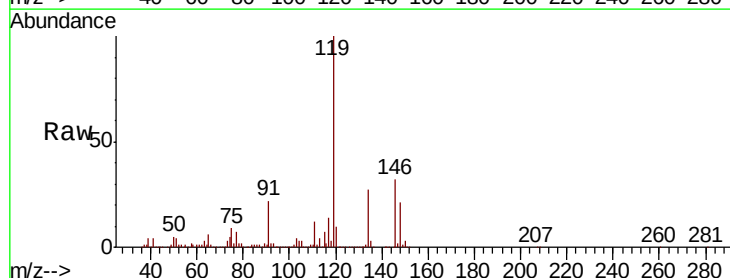
Tgt Ion:119 Resp: 7858196

Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

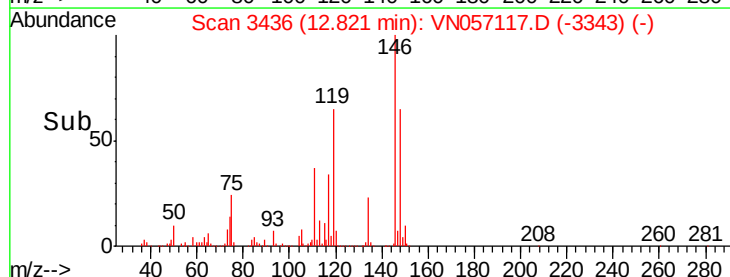
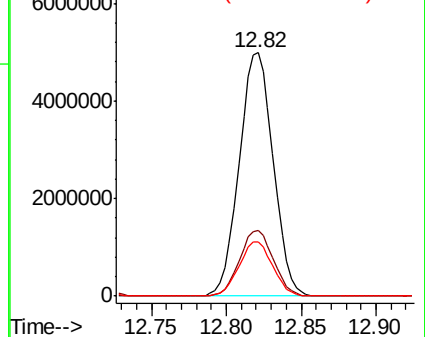
91 22.0 11.0 33.0

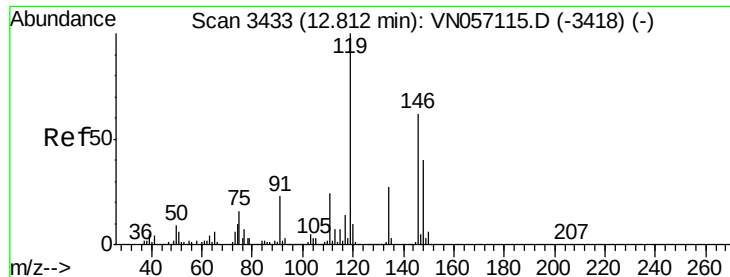


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

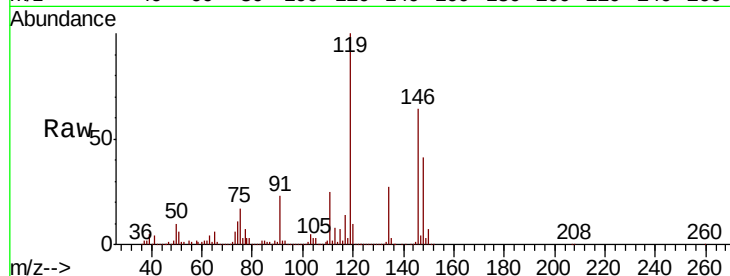




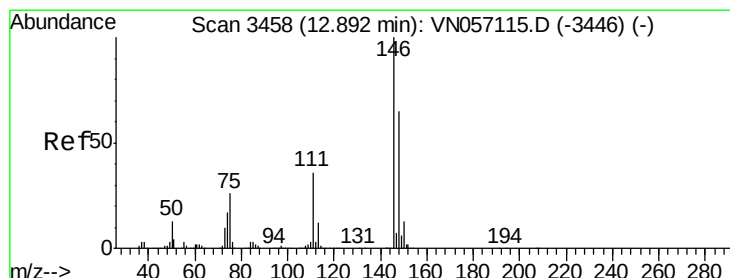
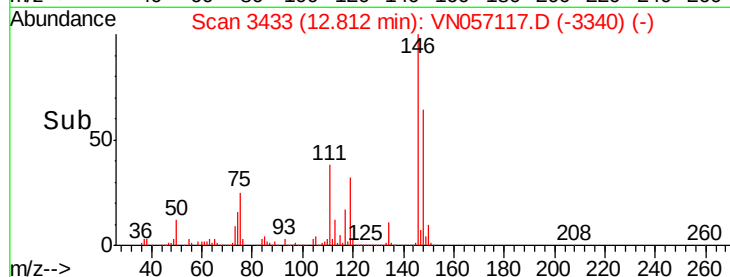
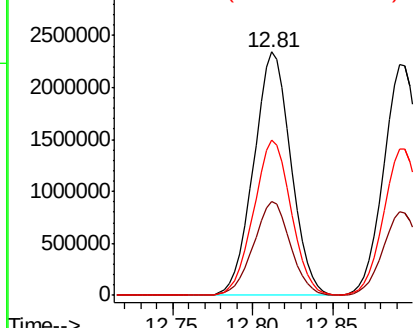
#87
 1,3-Dichlorobenzene
 Concen: 148.552 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 3742822
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 64.2 32.4 97.0

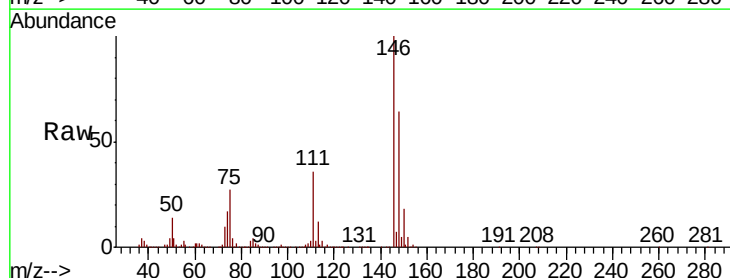


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

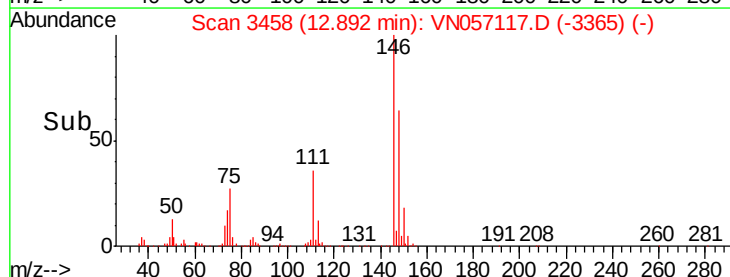
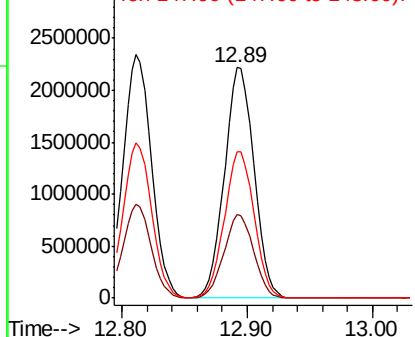


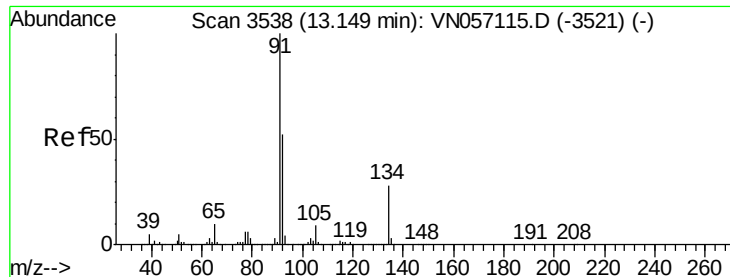
#88
 1,4-Dichlorobenzene
 Concen: 149.761 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion:146 Resp: 3628768
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.2 54.6
 148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 161.689 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

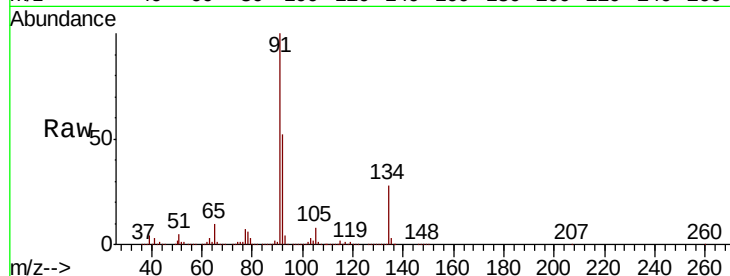
Tgt Ion: 91 Resp: 6097418

Ion Ratio Lower Upper

91 100

92 52.5 26.5 79.4

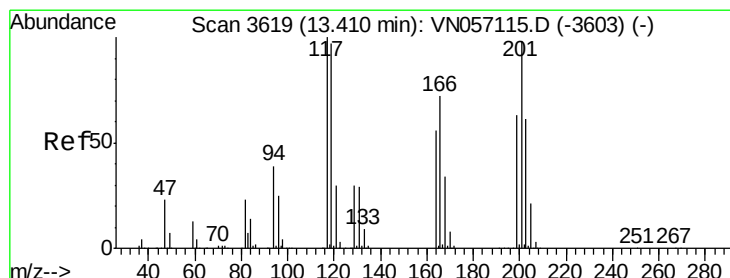
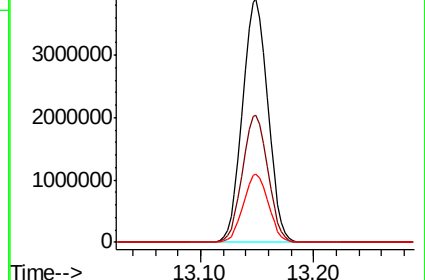
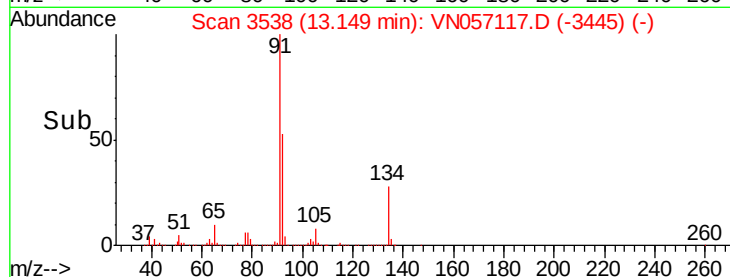
134 28.0 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057117.D (-3445) (-)

Ion 92.00 (91.70 to 92.70): VN057117.D (-3445) (-)

Ion 134.00 (133.70 to 134.70): VN057117.D (-3445) (-)



#90

Hexachloroethane

Concen: 158.605 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VN057117.D

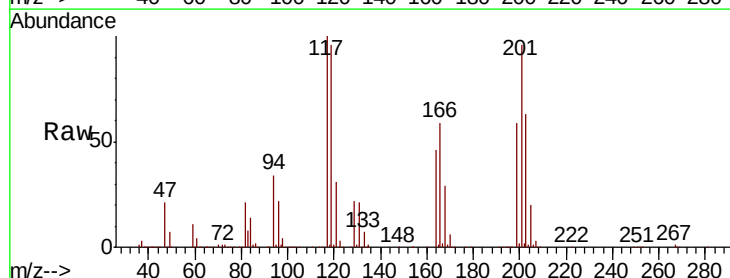
Acq: 7 Aug 2019 20:58

Tgt Ion: 117 Resp: 1355983

Ion Ratio Lower Upper

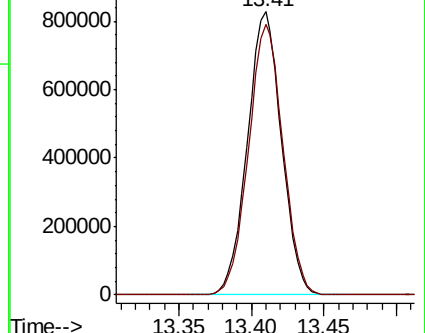
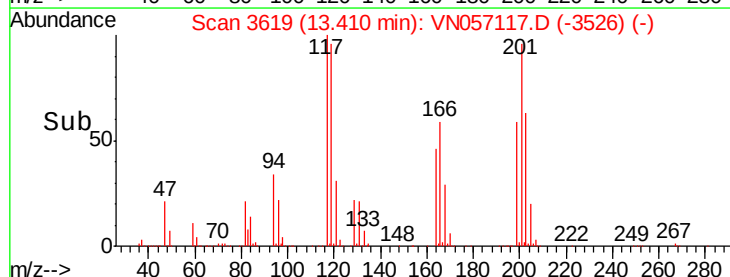
117 100

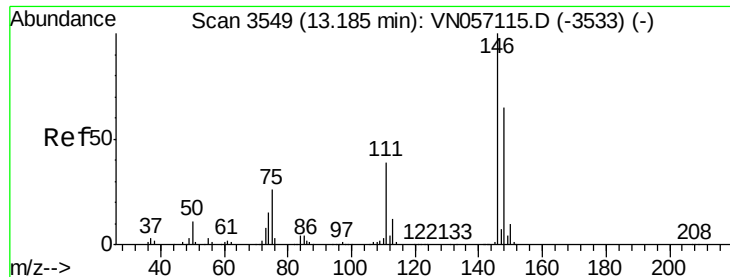
201 96.3 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057117.D (-3526) (-)

Ion 200.70 (200.40 to 201.40): VN057117.D (-3526) (-)

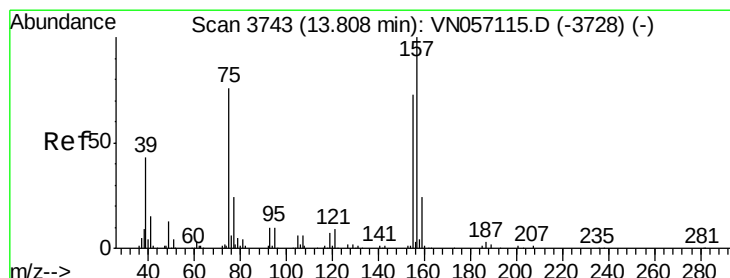
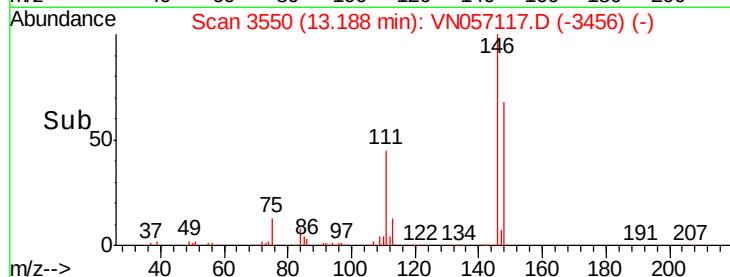
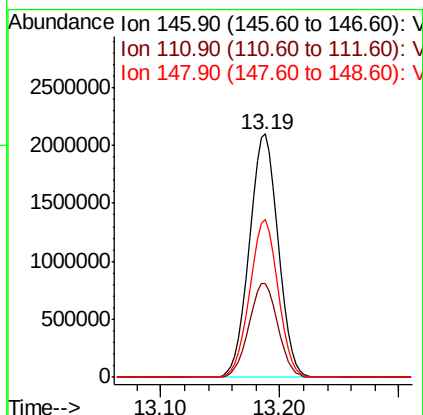
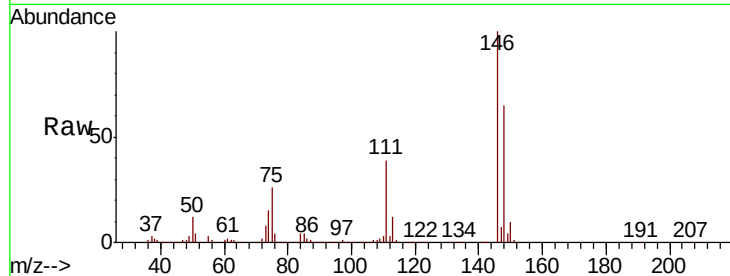




#91
 1,2-Dichlorobenzene
 Concen: 140.401 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

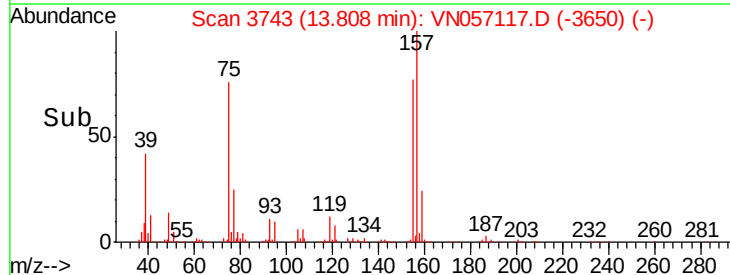
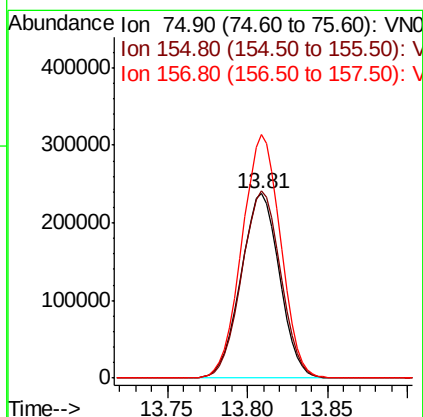
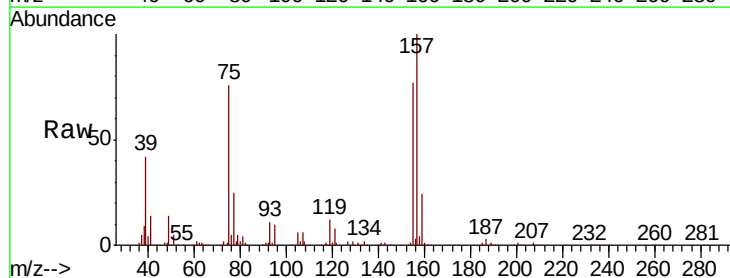
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

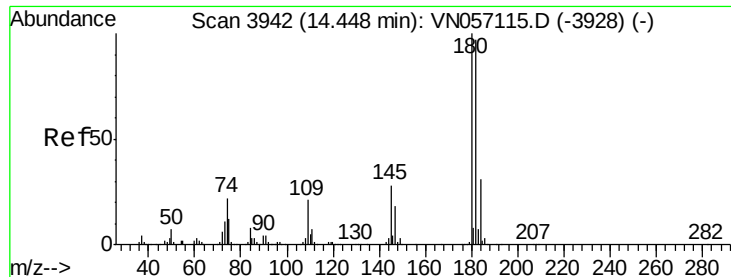
Tgt Ion:146 Resp: 3512351
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.2 57.6
 148 64.0 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.343 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 75 Resp: 392397
 Ion Ratio Lower Upper
 75 100
 155 102.6 49.3 147.9
 157 132.1 65.3 195.8

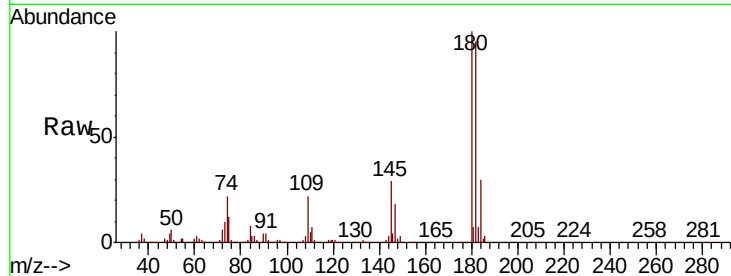




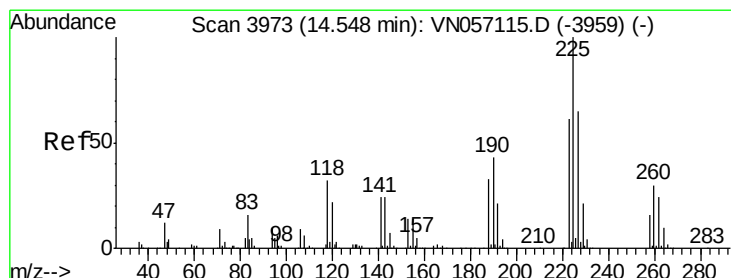
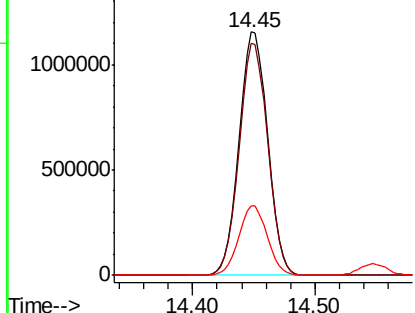
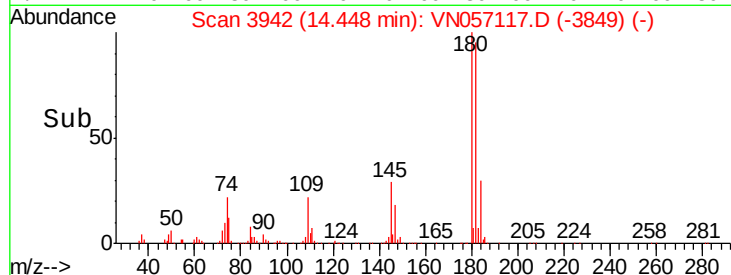
#93
 1,2,4-Trichlorobenzene
 Concen: 165.615 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1862513
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.5 142.6
 145 28.5 14.1 42.2

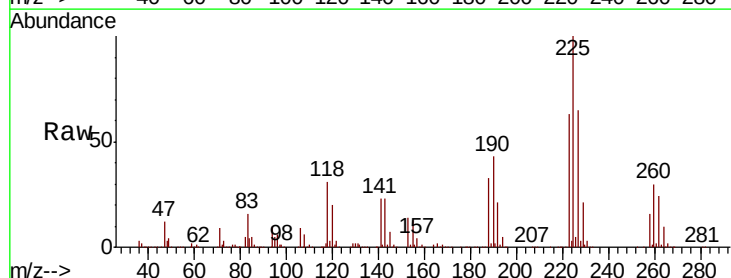


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

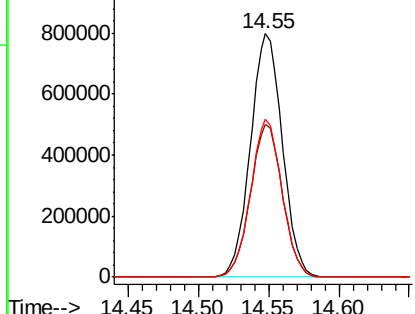
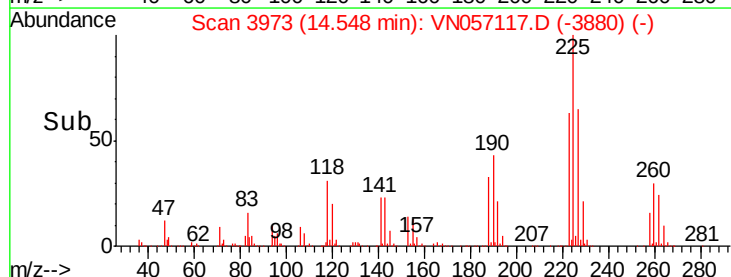


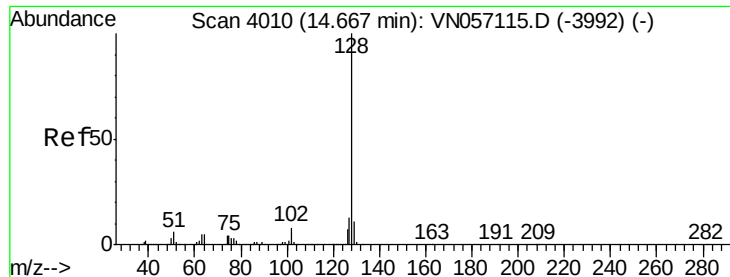
#94
 Hexachlorobutadiene
 Concen: 126.213 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion:225 Resp: 1262512
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.9 92.8
 227 63.8 32.4 97.0



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: 199.370 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

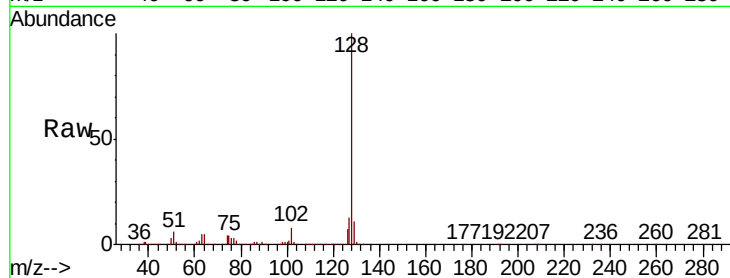
Tgt Ion:128 Resp: 4563415

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

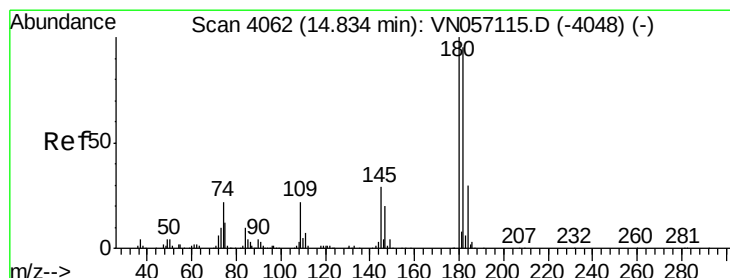
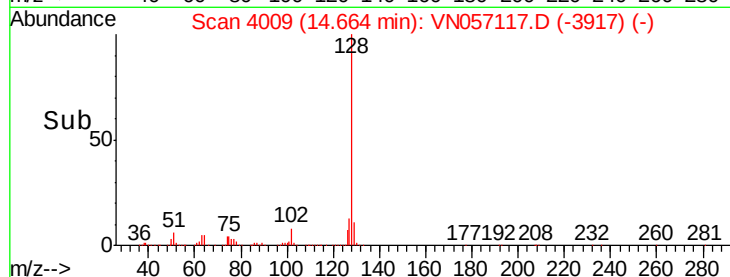
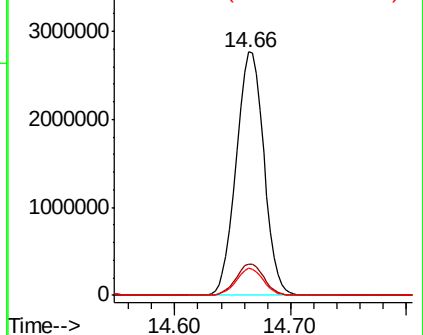
129 10.8 8.8 13.2



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: 166.043 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

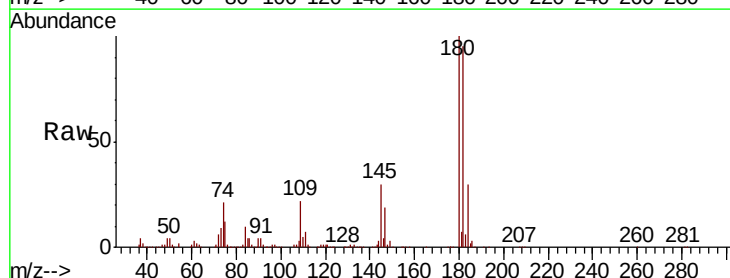
Tgt Ion:180 Resp: 1912448

Ion Ratio Lower Upper

180 100

182 94.8 48.3 144.8

145 29.6 14.9 44.5



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

