

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058004.D
 Acq On : 13 Sep 2019 9:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 14 02:17:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	325156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	525734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	504748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304522	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	334474	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.58	113	244169	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.08	98	980527	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.40	95	352619	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	223362	49.672	ug/l	99
3) Chloromethane	2.04	50	187898	40.997	ug/l	100
4) Vinyl Chloride	2.17	62	198411	40.904	ug/l	100
5) Bromomethane	2.54	94	125668	47.055	ug/l	97
6) Chloroethane	2.69	64	128413	41.545	ug/l	100
7) Trichlorofluoromethane	3.00	101	263250	43.125	ug/l	98
8) Diethyl Ether	3.39	74	120970	47.514	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	186390	48.403	ug/l	99
10) Methyl Iodide	3.93	142	201332	46.983	ug/l	100
11) Tert butyl alcohol	4.76	59	181469	227.665	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	161660	46.691	ug/l	97
13) Acrolein	3.59	56	21661	32.031	ug/l	98
14) Allyl chloride	4.30	41	287642	42.451	ug/l	92
15) Acrylonitrile	4.96	53	550966	251.482	ug/l	99
16) Acetone	3.79	43	554446	256.814	ug/l	99
17) Carbon Disulfide	4.03	76	231865	43.050	ug/l	98
18) Methyl Acetate	4.30	43	298169	51.798	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	733891	50.933	ug/l	98
20) Methylene Chloride	4.53	84	212258	51.686	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	177764	47.495	ug/l	95
22) Diisopropyl ether	5.93	45	813558	51.200	ug/l	99
23) Vinyl Acetate	5.87	43	2984447	265.020	ug/l	99
24) 1,1-Dichloroethane	5.83	63	428601	49.354	ug/l	99
25) 2-Butanone	6.81	43	796156	254.791	ug/l	97
26) 2,2-Dichloropropane	6.81	77	351163	51.096	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	243387	48.524	ug/l	98
28) Bromochloromethane	7.18	49	220615	50.850	ug/l	98
29) Tetrahydrofuran	7.19	42	478137	248.321	ug/l	98
30) Chloroform	7.36	83	454960	50.105	ug/l	98
31) Cyclohexane	7.64	56	302245	51.123	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	361911	50.255	ug/l	99
36) 1,1-Dichloropropene	7.78	75	285339	46.799	ug/l	100
37) Ethyl Acetate	6.91	43	311277	49.413	ug/l	100
38) Carbon Tetrachloride	7.76	117	285138	51.223	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	303416	47.339	ug/l	100
40) Benzene	8.03	78	909114	49.526	ug/l	98
41) Methacrylonitrile	7.19	41	462181	161.628	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	371968	50.668	ug/l	100
43) Isopropyl Acetate	8.15	43	558717	52.741	ug/l #	90
44) Trichloroethene	8.82	130	218685	48.572	ug/l	98
45) 1,2-Dichloropropane	9.11	63	271046	50.744	ug/l	99
46) Dibromomethane	9.20	93	164516	50.970	ug/l	99
47) Bromodichloromethane	9.39	83	343224	53.251	ug/l	99
48) Methyl methacrylate	9.19	41	265051	49.323	ug/l	99
49) 1,4-Dioxane	9.19	88	81277	894.377	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1669524	266.314	ug/l	99
52) Toluene	10.15	92	574680	49.706	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	363681	53.582	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	396090	52.856	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	247825	50.604	ug/l	97
56) Ethyl methacrylate	10.43	69	377328	51.164	ug/l	100
57) 1,3-Dichloropropane	10.71	76	432185	51.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	822655	236.838	ug/l	99
59) 2-Hexanone	10.75	43	1230727	261.921	ug/l	100
60) Dibromochloromethane	10.90	129	242210	53.261	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237483	51.293	ug/l	99
64) Tetrachloroethene	10.63	164	175794	47.170	ug/l	98
65) Chlorobenzene	11.43	112	647930	49.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237755	51.870	ug/l	99
67) Ethyl Benzene	11.51	91	1175230	50.765	ug/l	98
68) m/p-Xylenes	11.62	106	864748	101.975	ug/l	99
69) o-Xylene	11.95	106	425474	50.469	ug/l	97
70) Styrene	11.97	104	750386	51.720	ug/l	99
71) Bromoform	12.13	173	151258	52.929	ug/l #	98
73) Isopropylbenzene	12.25	105	1198669	50.727	ug/l	100
74) N-amyl acetate	12.07	43	500606	48.679	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	381055	47.894	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	463856	67.335	ug/l #	100
77) Bromobenzene	12.53	156	278696	47.305	ug/l	99
78) n-propylbenzene	12.59	91	1418680	52.283	ug/l	99
79) 2-Chlorotoluene	12.68	91	837300	48.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1027843	51.480	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	97929	50.025	ug/l	96
82) 4-Chlorotoluene	12.78	91	883166	50.147	ug/l	99
83) tert-Butylbenzene	13.00	119	895215	50.441	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1049914	51.739	ug/l	98
85) sec-Butylbenzene	13.18	105	1216562	51.717	ug/l	100
86) p-Isopropyltoluene	13.29	119	1094050	52.785	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	535190	49.491	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	537467	48.965	ug/l	99
89) n-Butylbenzene	13.62	91	1019699	52.096	ug/l	100
90) Hexachloroethane	13.88	117	158796	51.516	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	538786	49.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70814	53.895	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

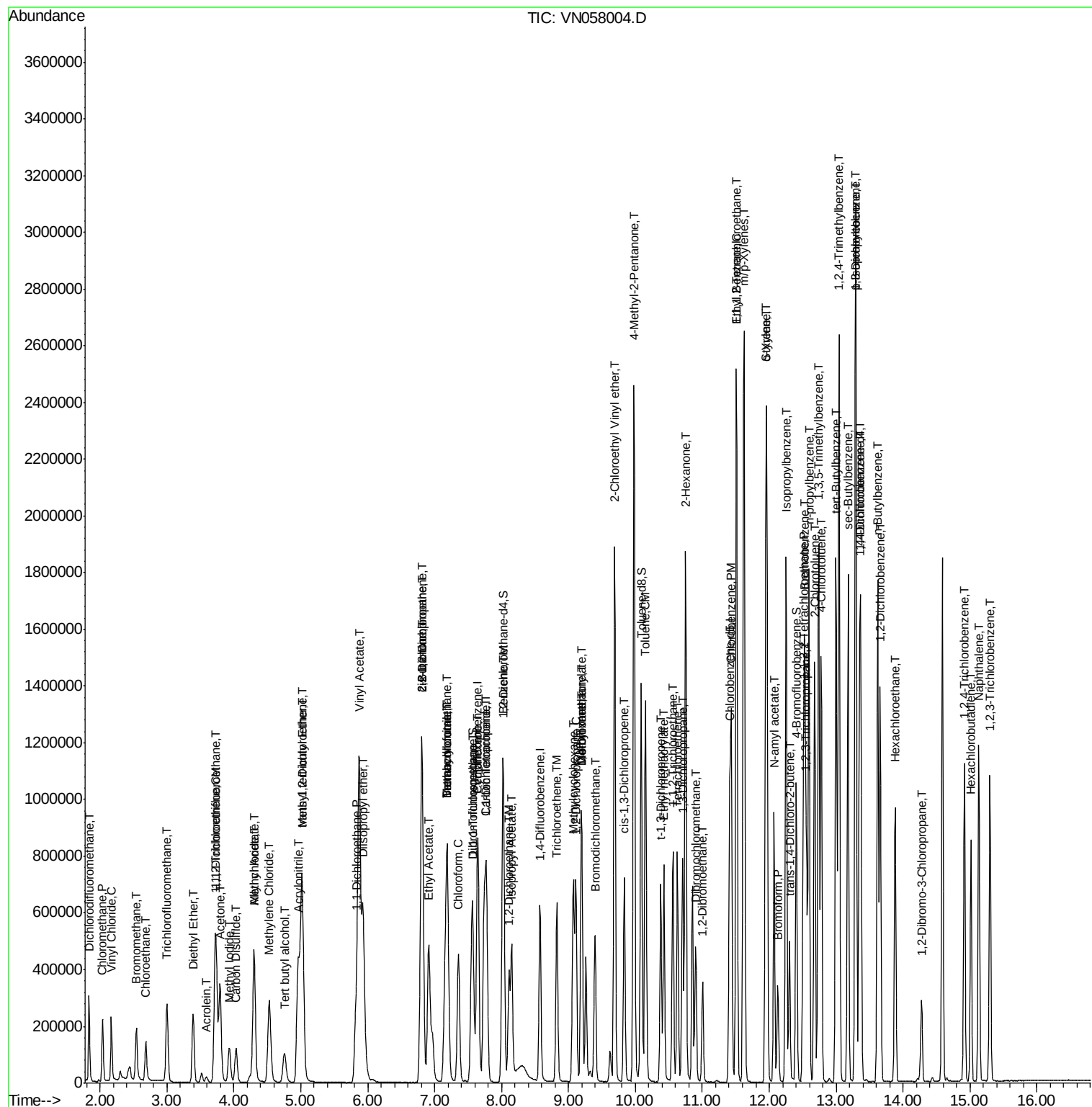
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	333279	47.198	ug/l	99
94) Hexachlorobutadiene	15.01	225	146498	48.942	ug/l	98
95) Naphthalene	15.13	128	930424	52.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315855	51.212	ug/l	99

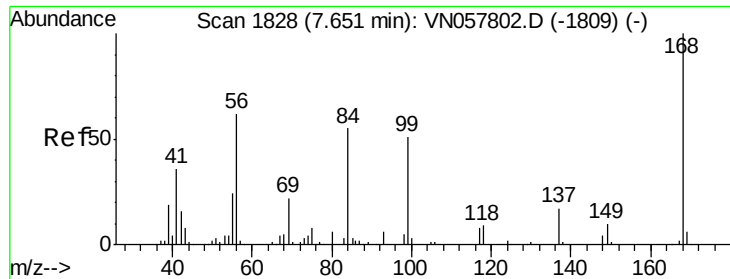
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

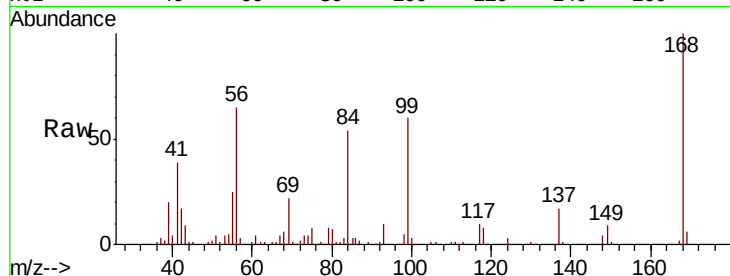
VSTDCCC050

Tgt Ion: 168 Resp: 325156

Ion Ratio Lower Upper

168 100

99 59.5 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

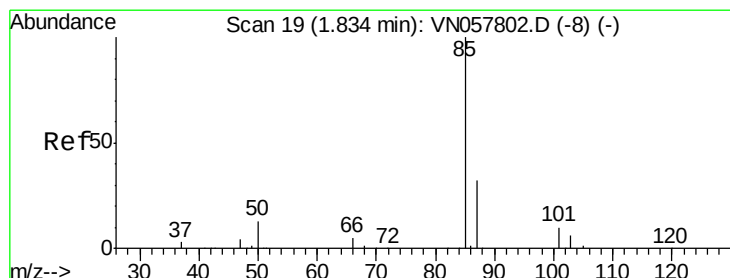
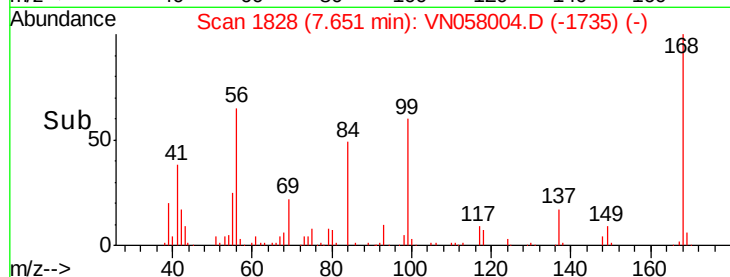
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.672 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058004.D

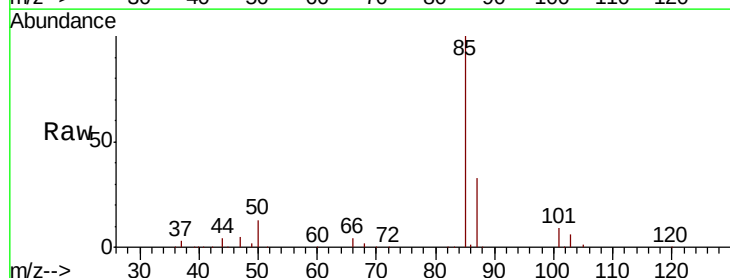
Acq: 13 Sep 2019 9:34

Tgt Ion: 85 Resp: 223362

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

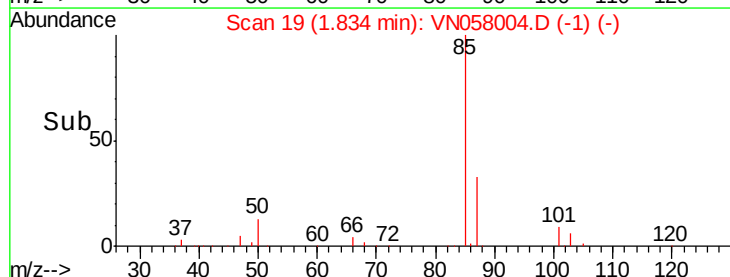
100000

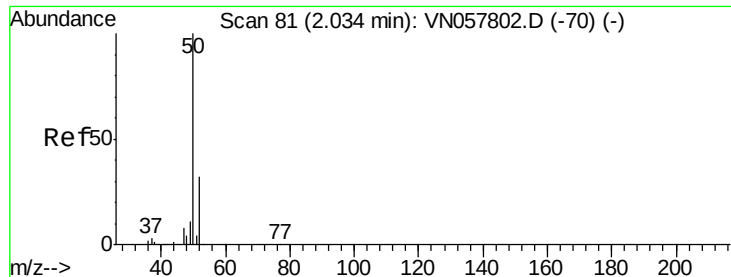
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 40.997 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

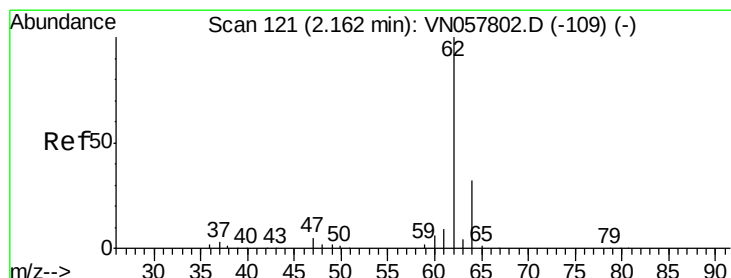
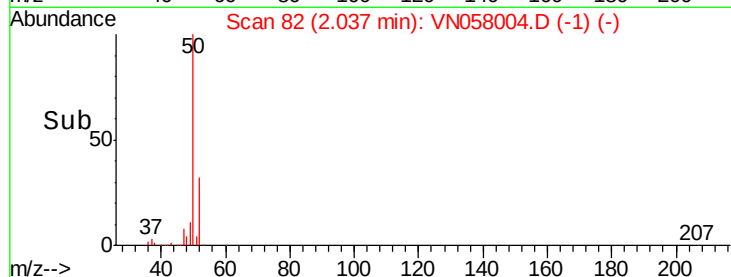
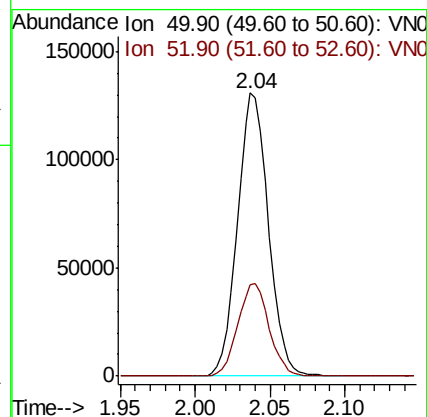
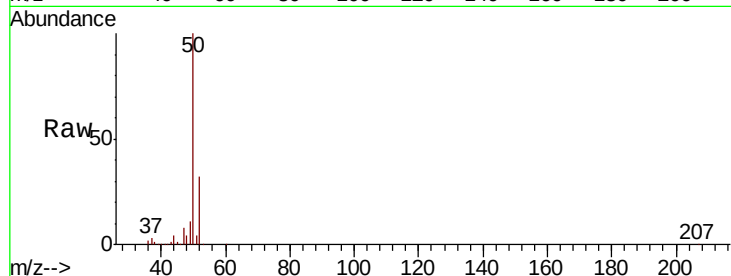
VSTDCCC050

Tgt Ion: 50 Resp: 187898

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 40.904 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058004.D

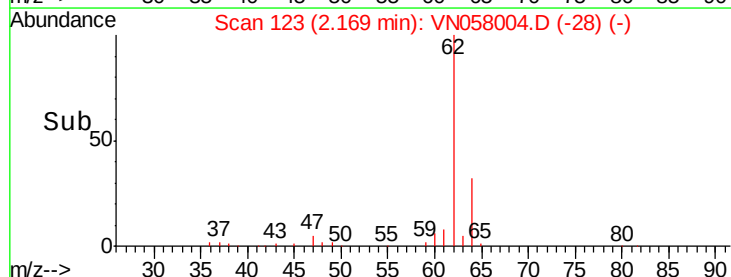
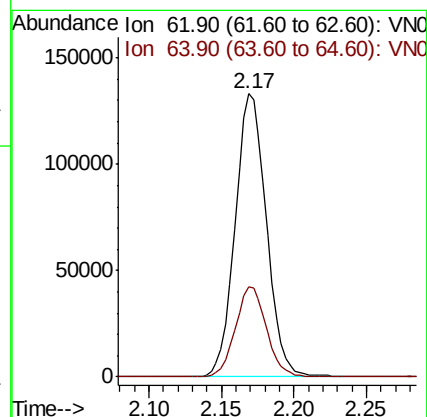
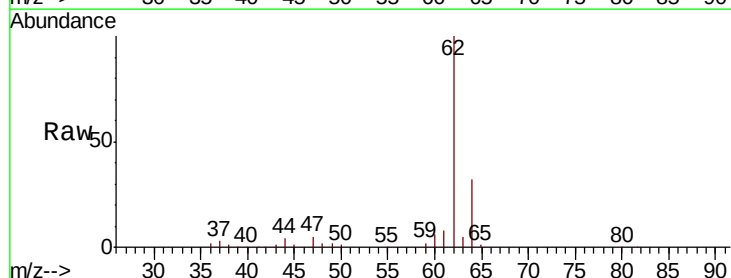
Acq: 13 Sep 2019 9:34

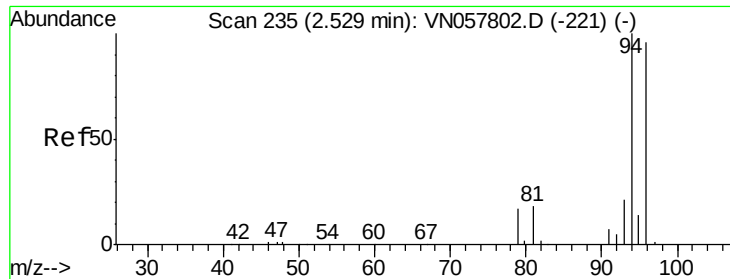
Tgt Ion: 62 Resp: 198411

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 47.055 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

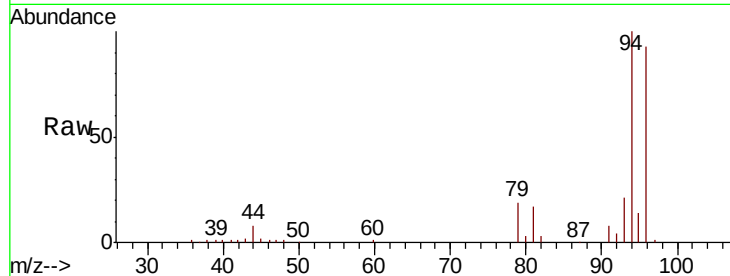
VSTDCCC050

Tgt Ion: 94 Resp: 125668

Ion Ratio Lower Upper

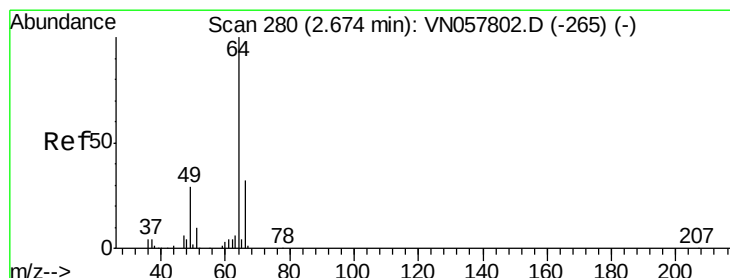
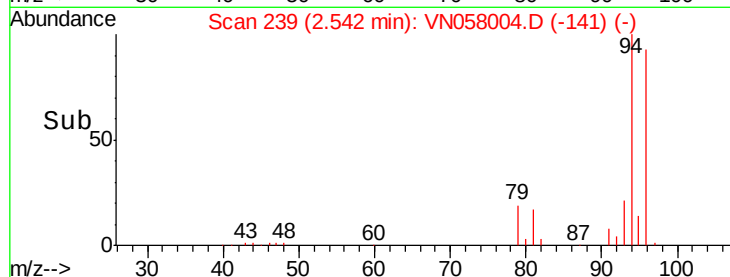
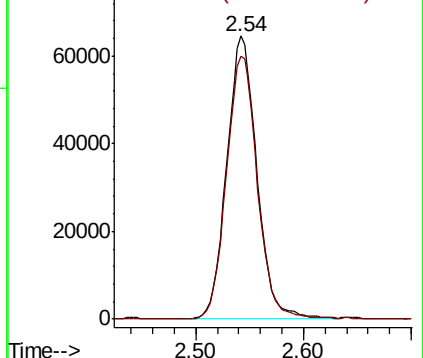
94 100

96 93.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.545 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058004.D

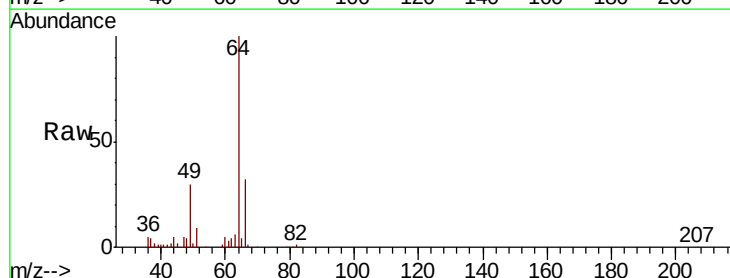
Acq: 13 Sep 2019 9:34

Tgt Ion: 64 Resp: 128413

Ion Ratio Lower Upper

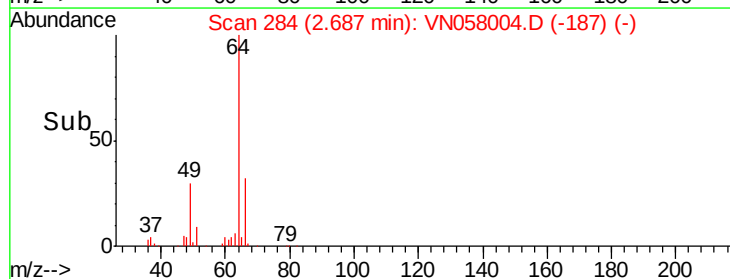
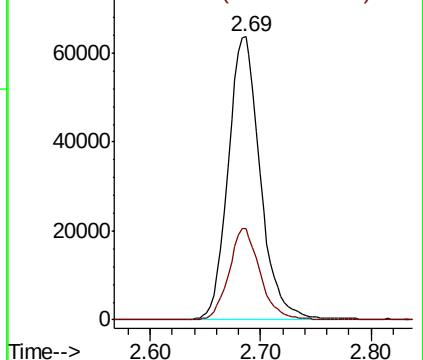
64 100

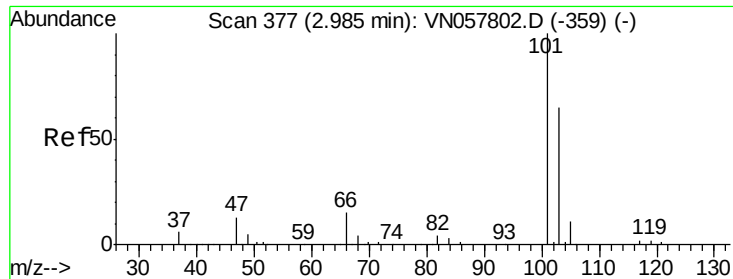
66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



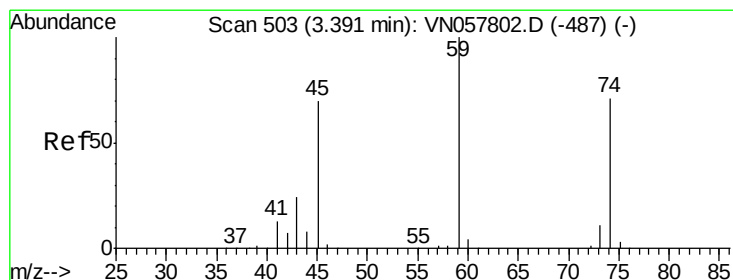
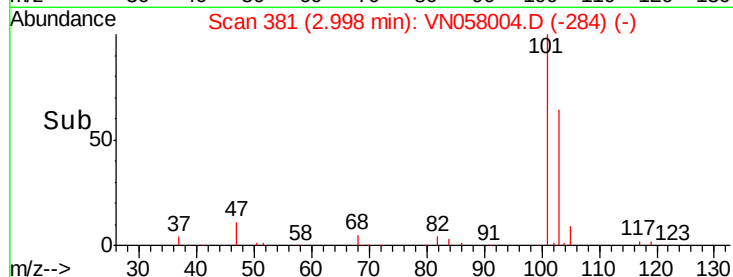
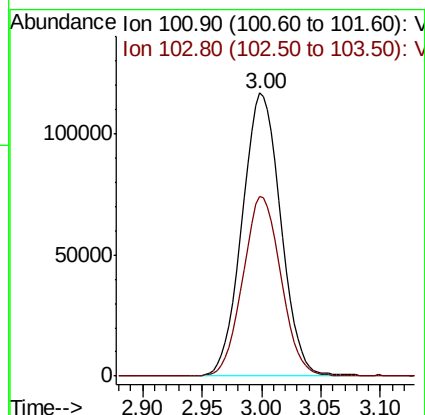
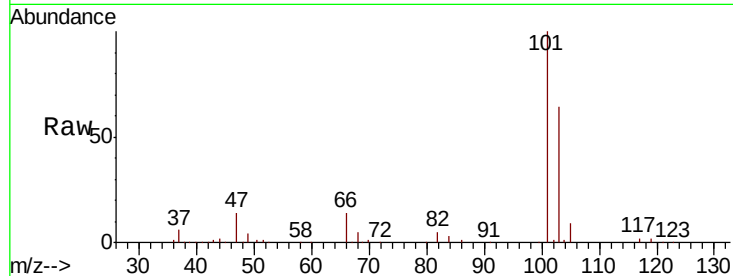


#7

Trichlorofluoromethane
 Concen: 43.125 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
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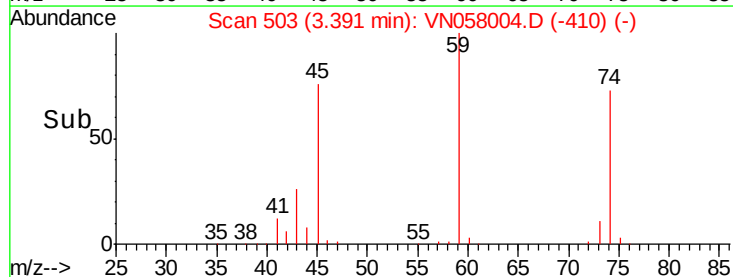
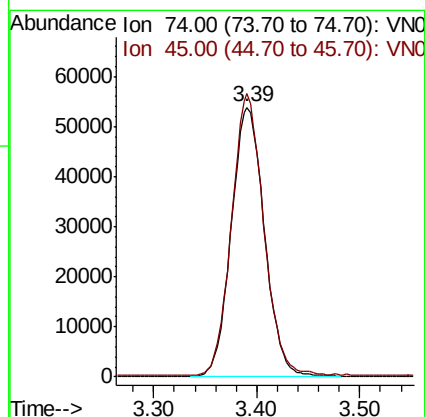
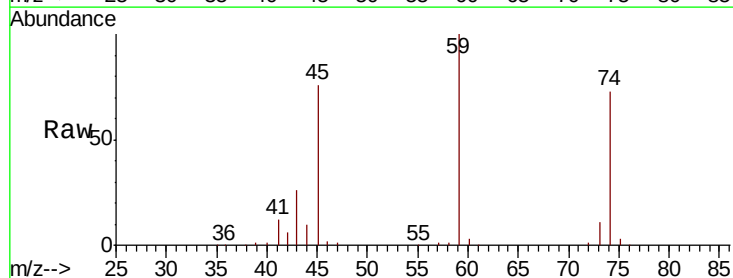
Tgt Ion:101 Resp: 263250
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.9 77.9

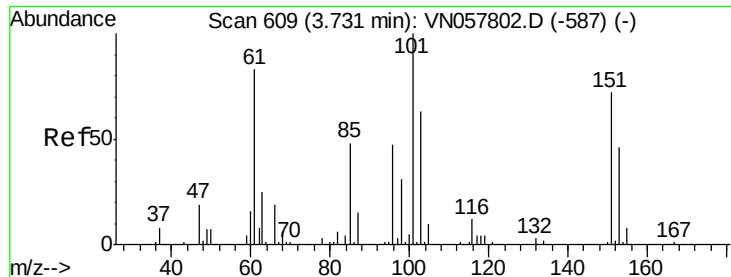


#8

Diethyl Ether
 Concen: 47.514 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 74 Resp: 120970
 Ion Ratio Lower Upper
 74 100
 45 100.5 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.403 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

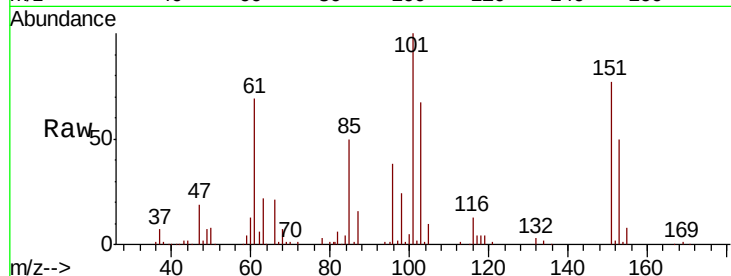
Tgt Ion:101 Resp: 186390

Ion Ratio Lower Upper

101 100

85 48.0 38.1 57.1

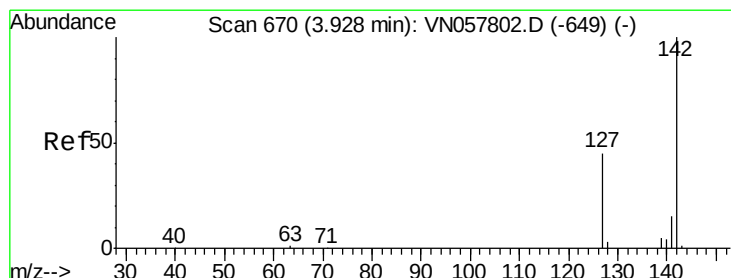
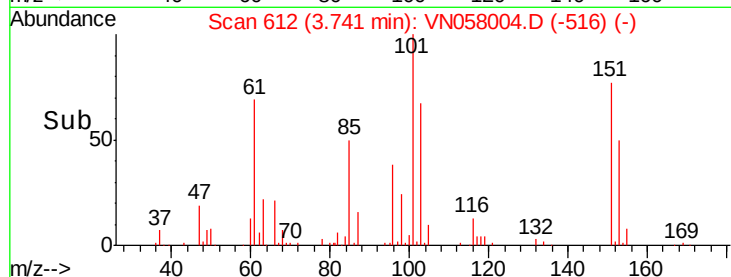
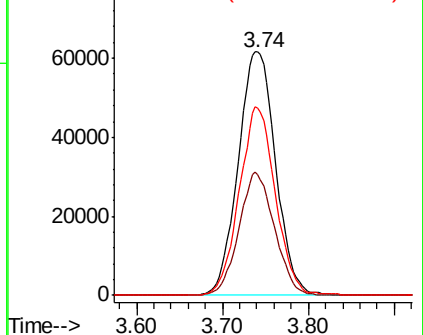
151 74.6 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.983 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.01 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

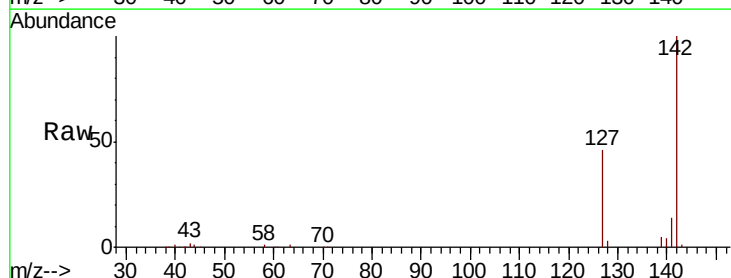
Tgt Ion:142 Resp: 201332

Ion Ratio Lower Upper

142 100

127 45.7 36.7 55.1

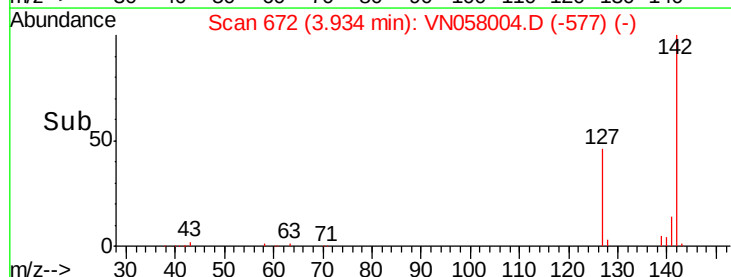
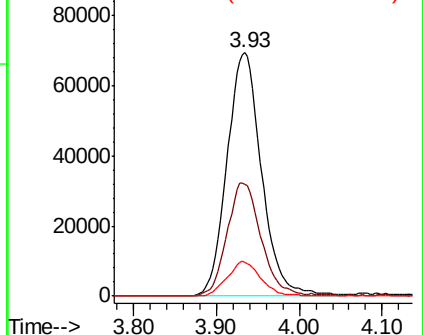
141 13.8 11.4 17.0

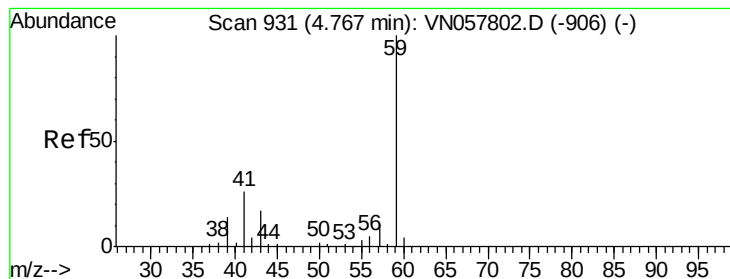


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



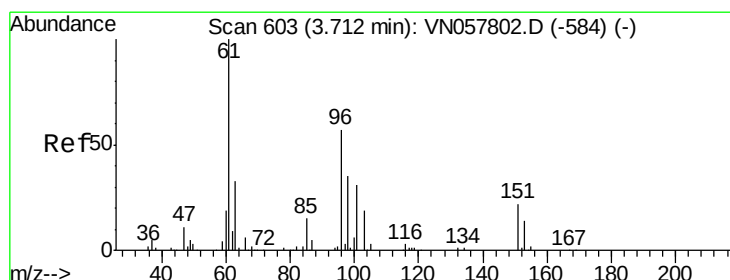
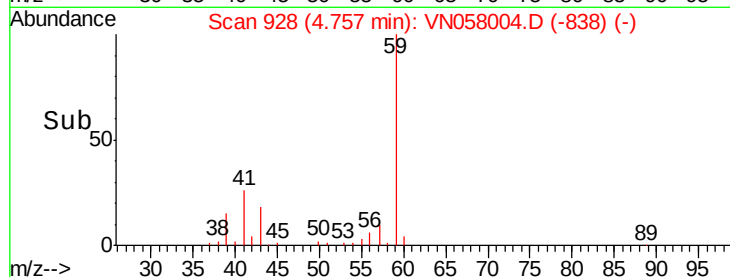
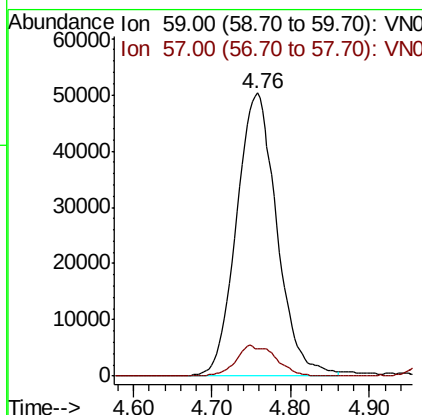
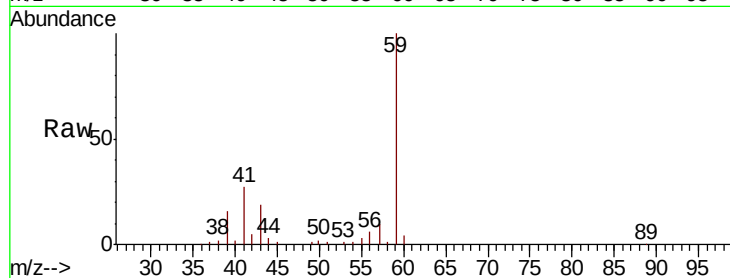


#11

Tert butyl alcohol
 Concen: 227.665 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

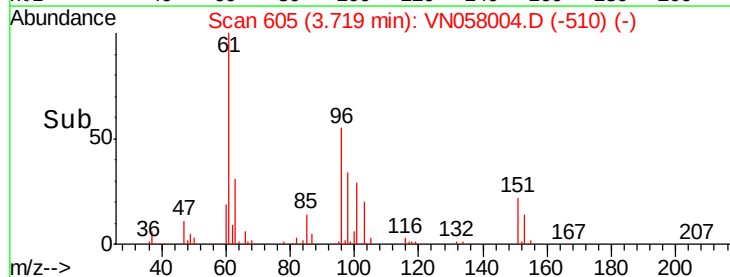
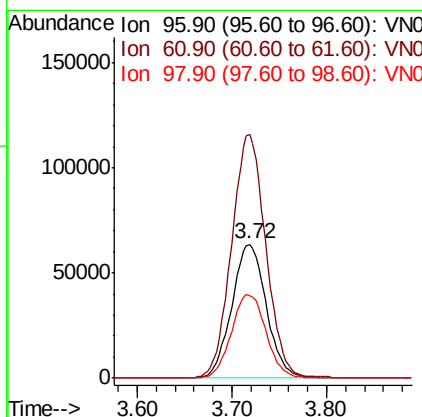
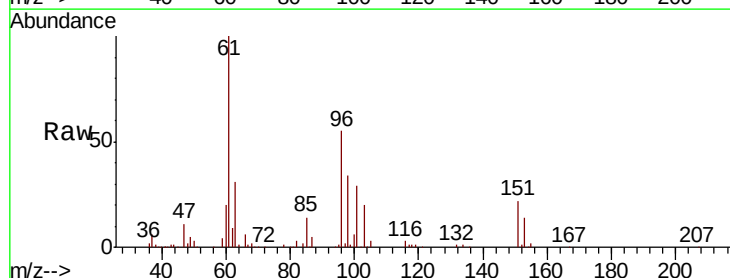
Tgt Ion: 59 Resp: 181469
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.4 12.6#

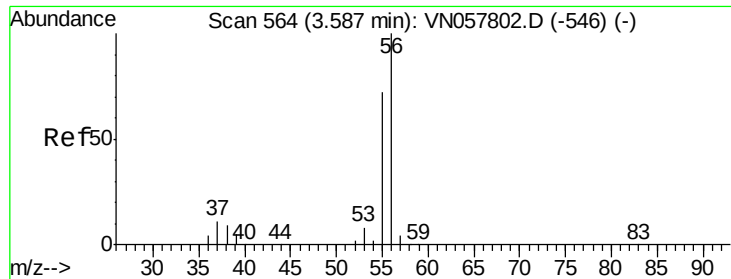


#12

1,1-Dichloroethene
 Concen: 46.691 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 96 Resp: 161660
 Ion Ratio Lower Upper
 96 100
 61 182.1 141.2 211.8
 98 62.0 49.9 74.9





#13

Acrolein

Concen: 32.031 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

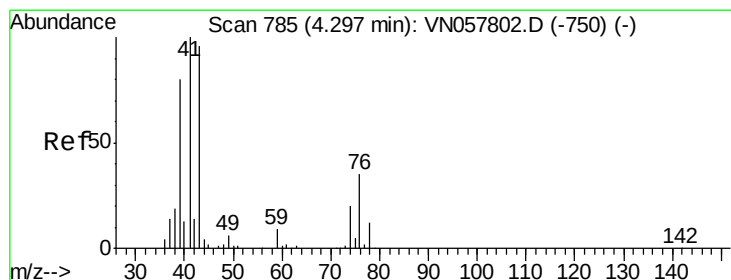
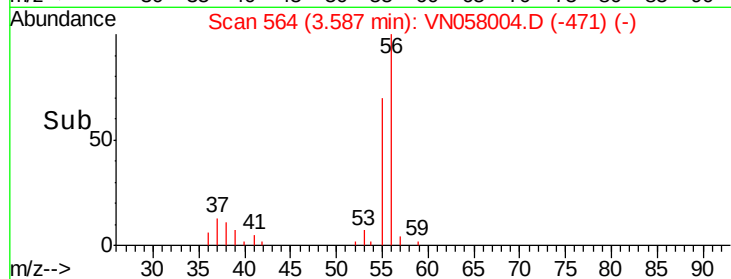
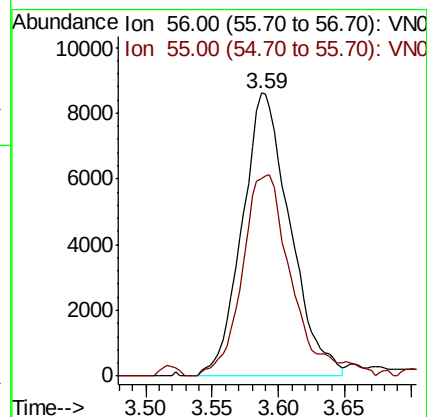
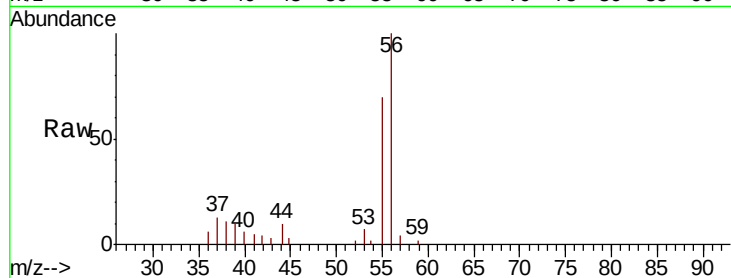
VSTDCCC050

Tgt Ion: 56 Resp: 21661

Ion Ratio Lower Upper

56 100

55 73.3 57.3 85.9



#14

Allyl chloride

Concen: 42.451 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

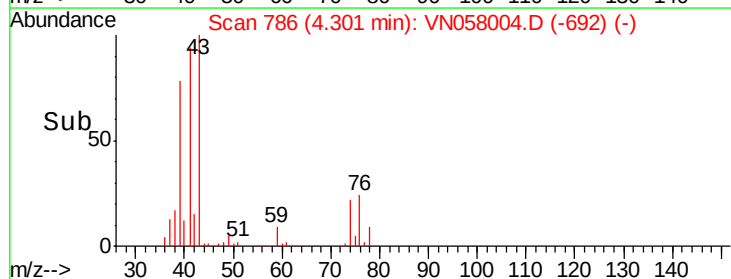
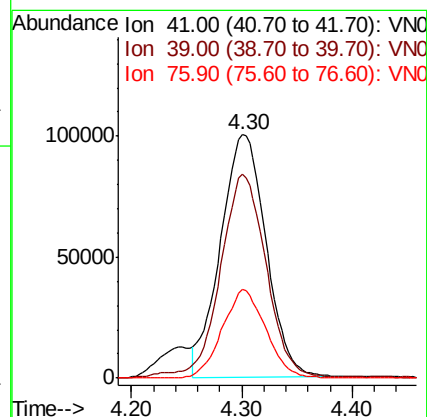
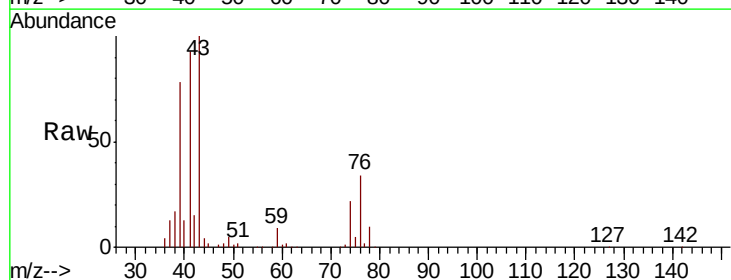
Tgt Ion: 41 Resp: 287642

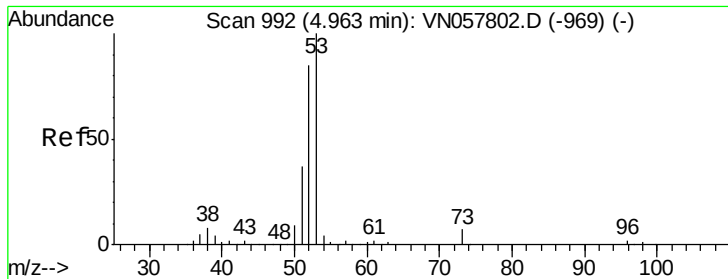
Ion Ratio Lower Upper

41 100

39 82.6 59.4 89.2

76 34.9 26.0 39.0





#15

Acrylonitrile

Concen: 251.482 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

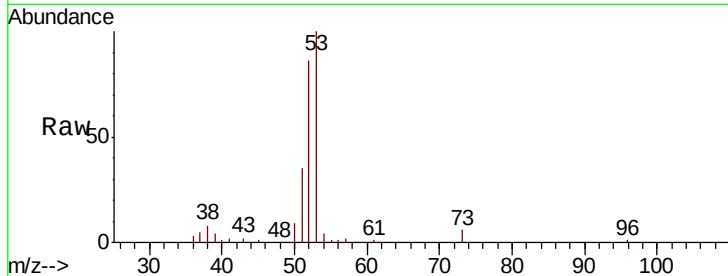
Tgt Ion: 53 Resp: 550966

Ion Ratio Lower Upper

53 100

52 82.1 66.6 100.0

51 37.5 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)

4.96

200000

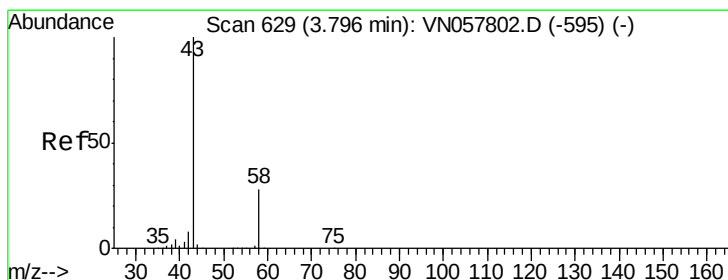
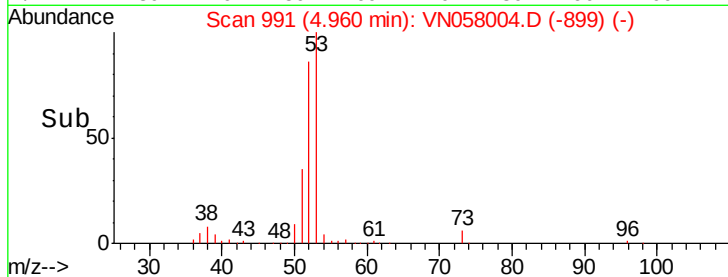
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 256.814 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058004.D

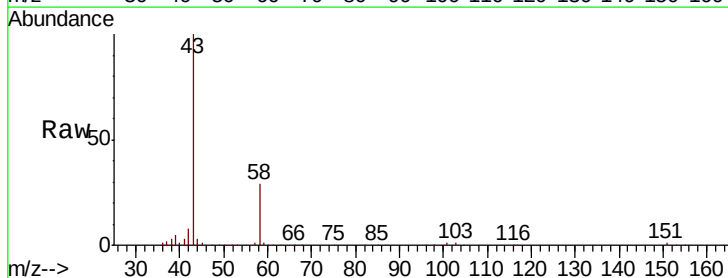
Acq: 13 Sep 2019 9:34

Tgt Ion: 43 Resp: 554446

Ion Ratio Lower Upper

43 100

58 28.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

3.79

250000

200000

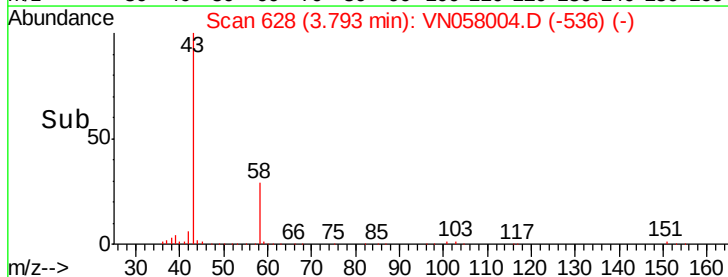
150000

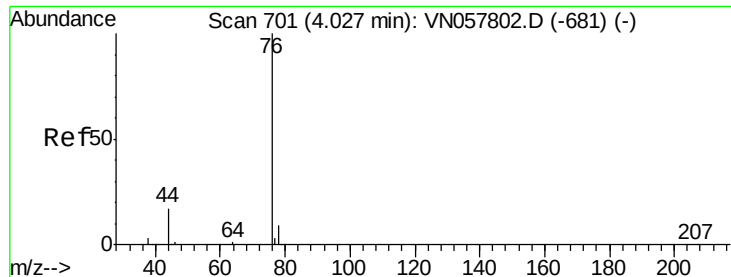
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 43.050 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

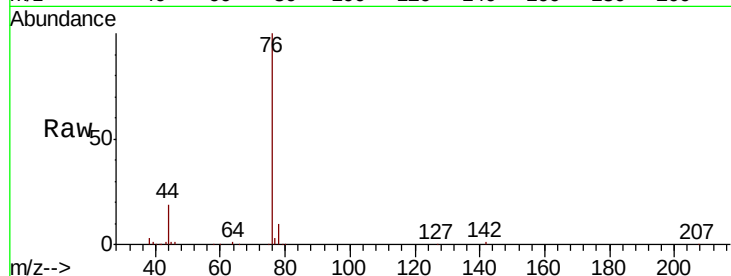
VSTDCCC050

Tgt Ion: 76 Resp: 231865

Ion Ratio Lower Upper

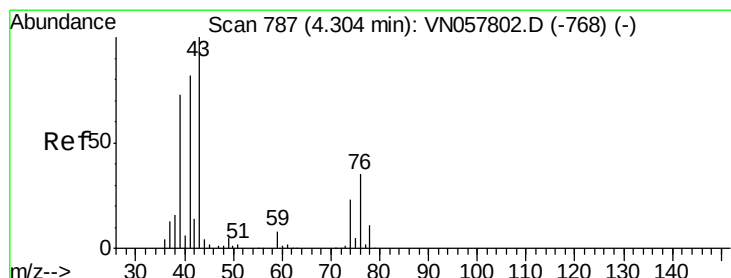
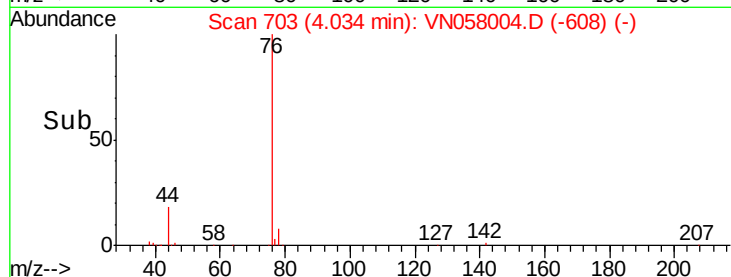
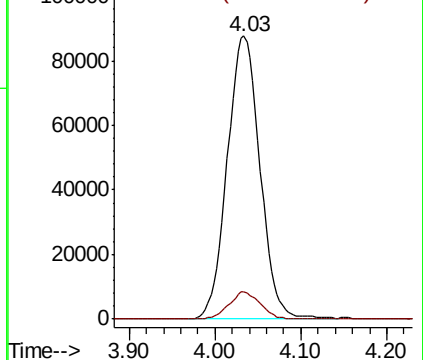
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 51.798 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058004.D

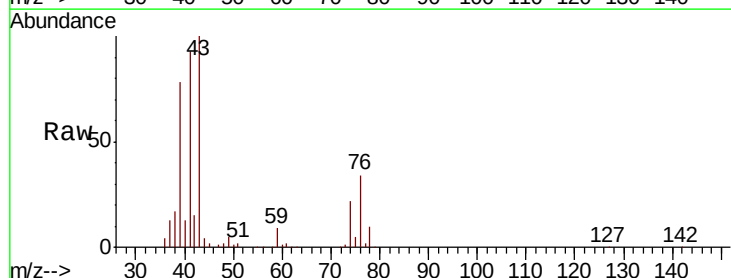
Acq: 13 Sep 2019 9:34

Tgt Ion: 43 Resp: 298169

Ion Ratio Lower Upper

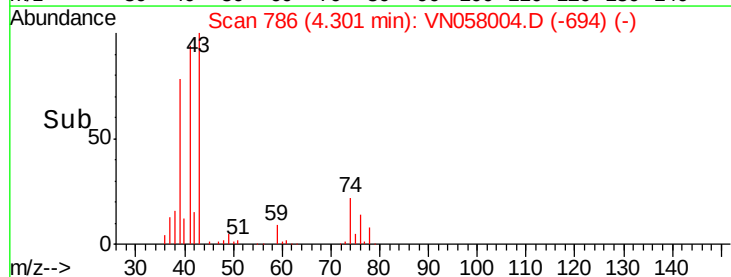
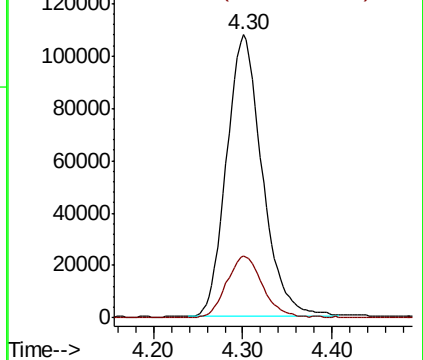
43 100

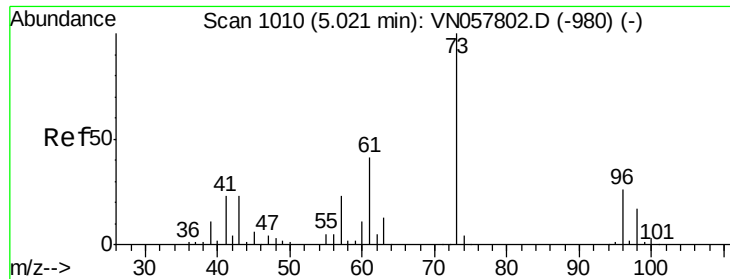
74 22.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

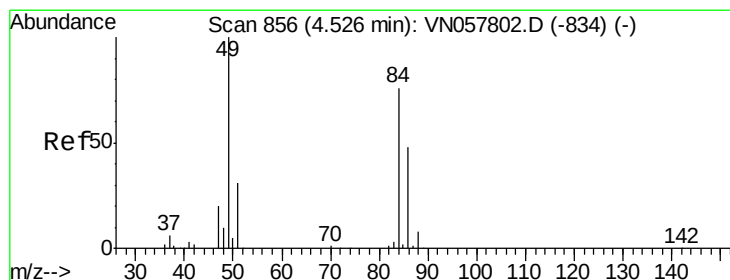
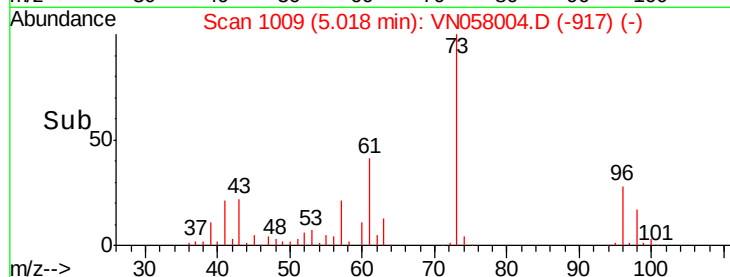
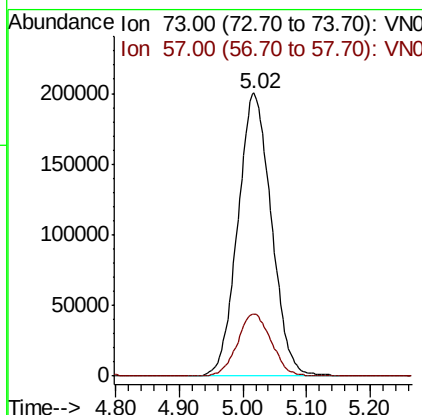
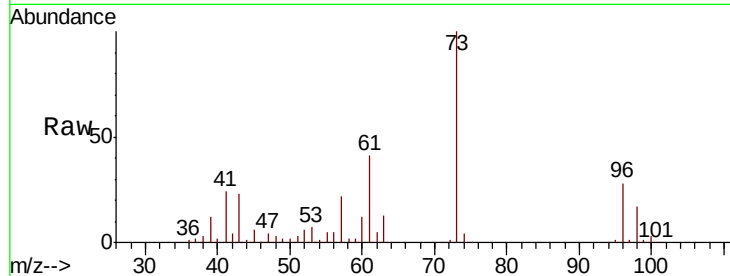




#19
Methyl tert-butyl Ether
Concen: 50.933 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

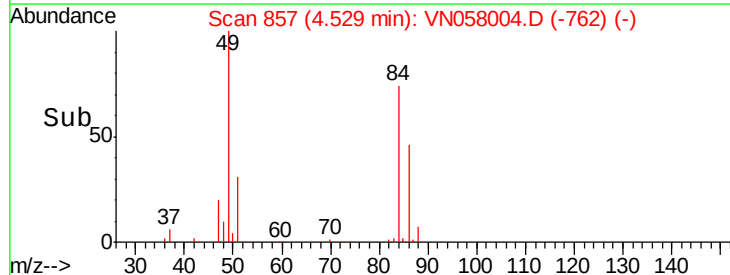
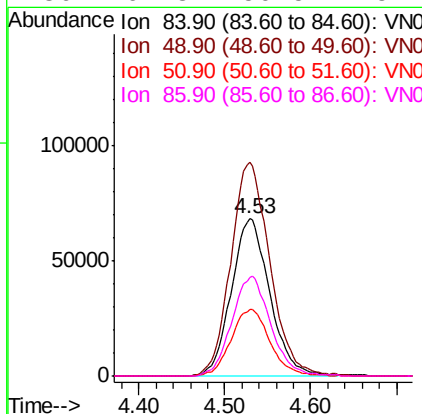
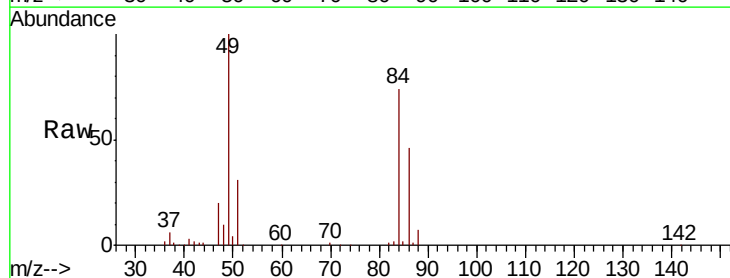
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

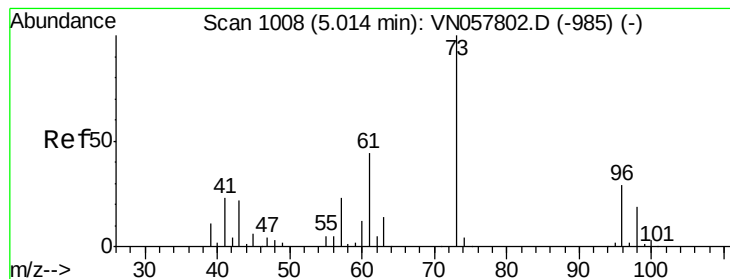
Tgt Ion: 73 Resp: 733891
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2



#20
Methylene Chloride
Concen: 51.686 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 84 Resp: 212258
Ion Ratio Lower Upper
84 100
49 135.9 104.8 157.2
51 42.1 33.0 49.4
86 62.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.495 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

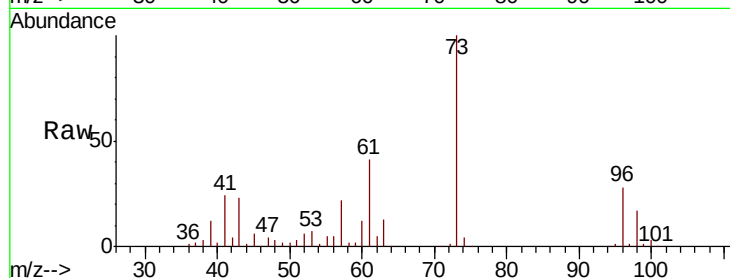
Tgt Ion: 96 Resp: 177764

Ion Ratio Lower Upper

96 100

61 145.7 121.9 182.9

98 61.1 52.2 78.4

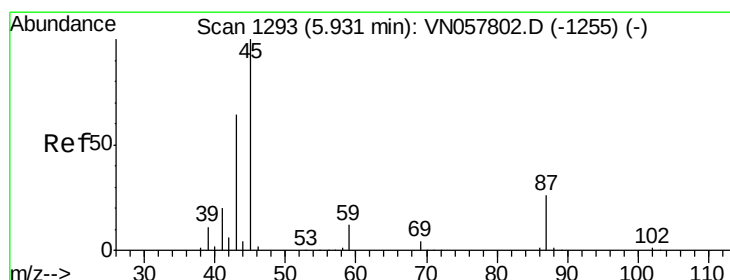
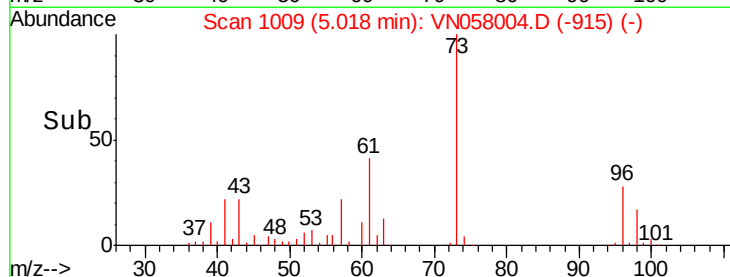
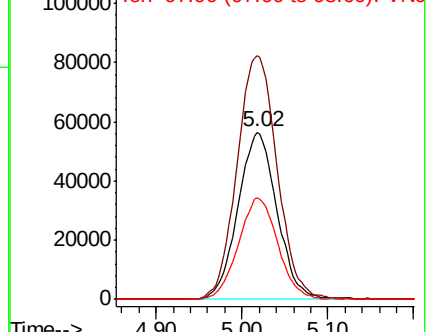


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.200 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion: 45 Resp: 813558

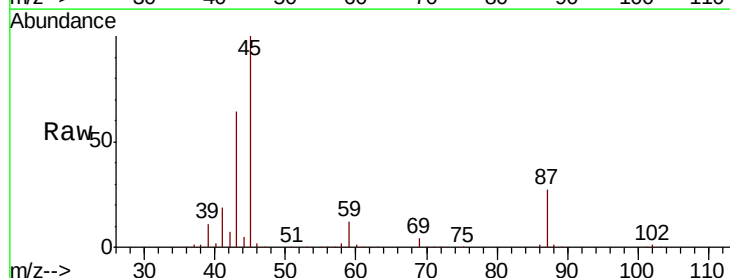
Ion Ratio Lower Upper

45 100

43 63.5 51.4 77.2

87 26.7 21.3 31.9

59 11.4 9.3 13.9



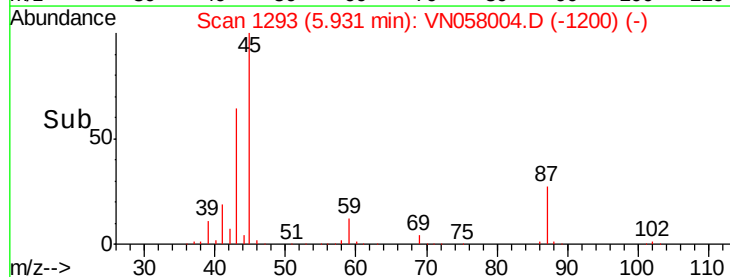
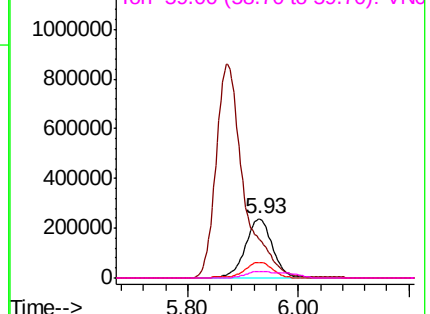
Abundance

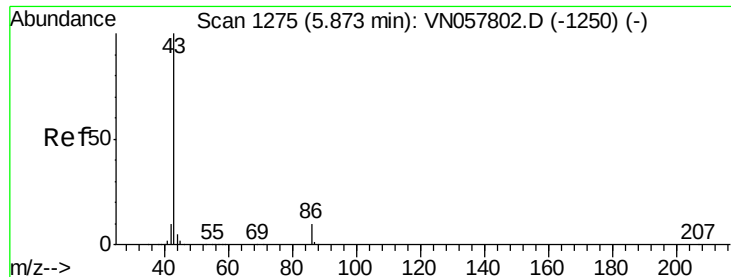
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 265.020 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

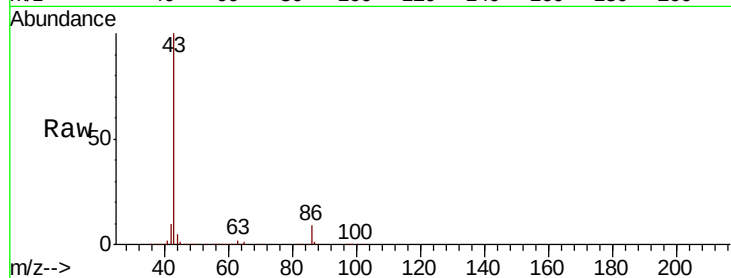
VSTDCCC050

Tgt Ion: 43 Resp: 2984447

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN057802.D (-1250) (-)

5.87

800000

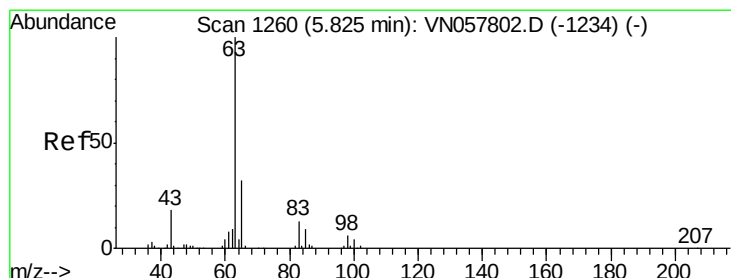
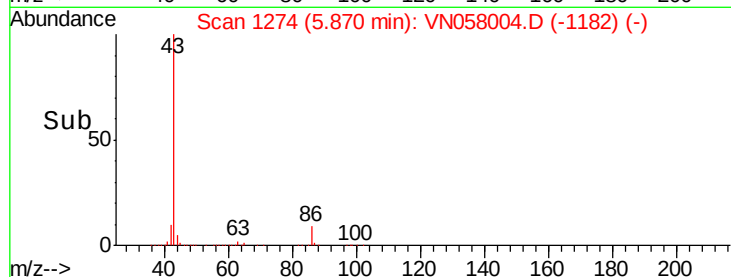
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.354 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

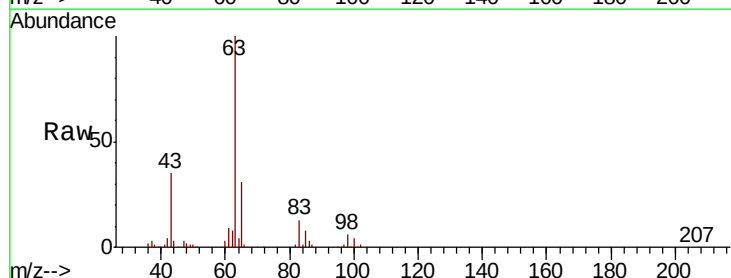
Tgt Ion: 63 Resp: 428601

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN057802.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN057802.D (-1234) (-)

5.83

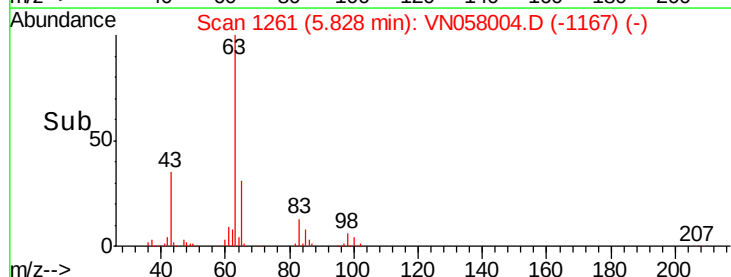
150000

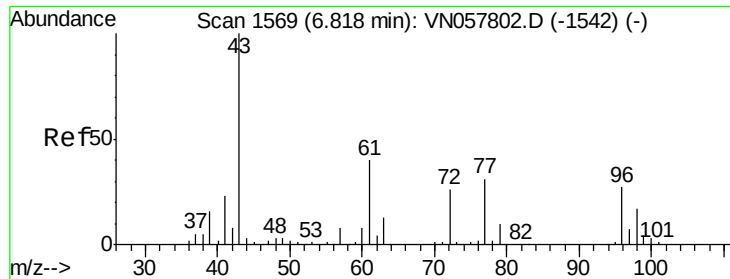
100000

50000

0

Time-->

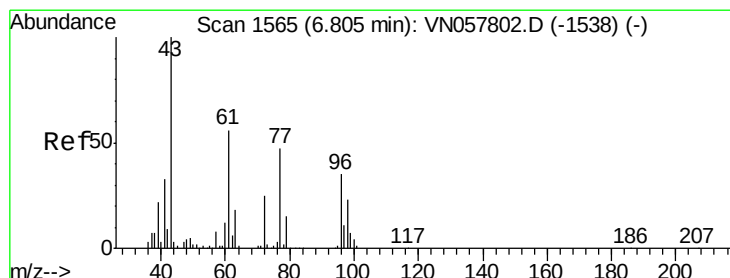
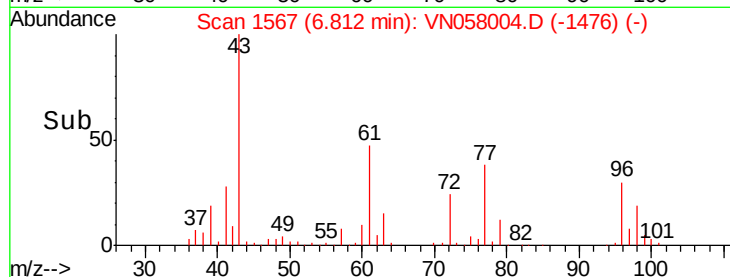
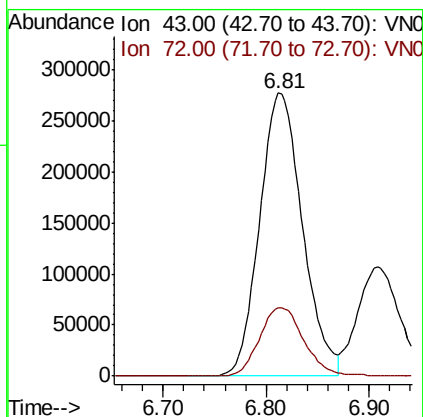
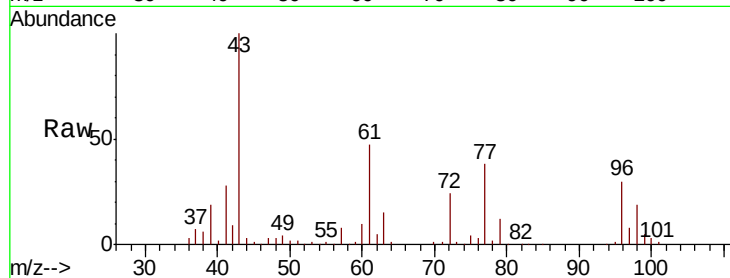




#25
 2-Butanone
 Concen: 254.791 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

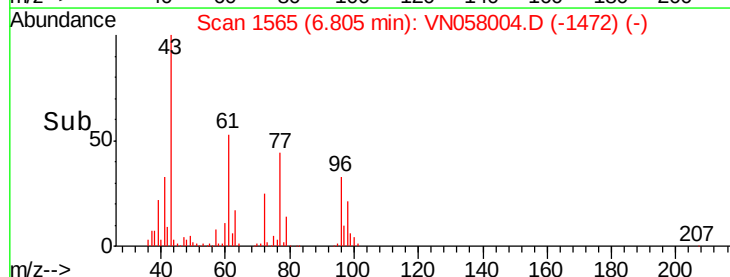
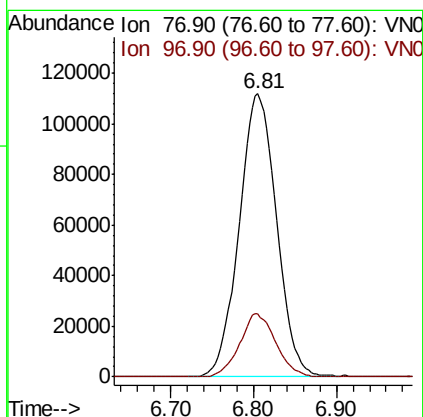
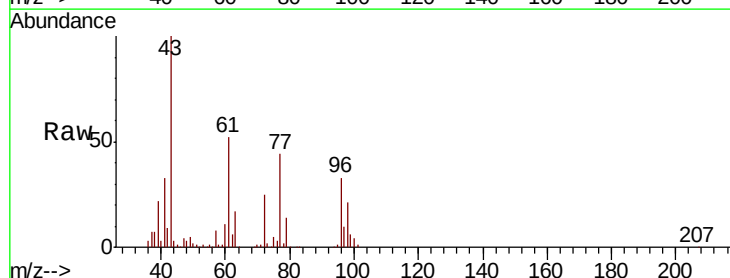
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

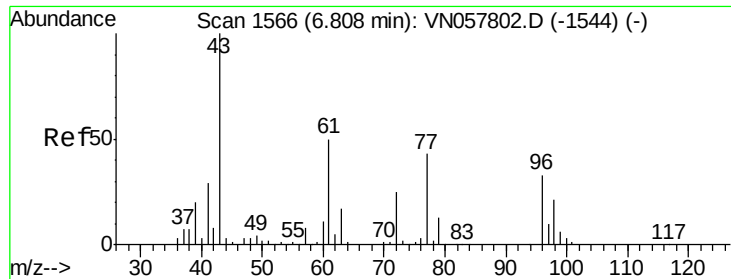
Tgt Ion: 43 Resp: 796156
 Ion Ratio Lower Upper
 43 100
 72 24.1 20.6 30.8



#26
 2,2-Dichloropropane
 Concen: 51.096 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 77 Resp: 351163
 Ion Ratio Lower Upper
 77 100
 97 21.6 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.524 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

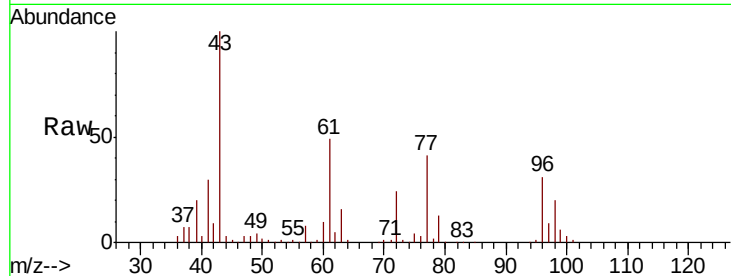
Tgt Ion: 96 Resp: 243387

Ion Ratio Lower Upper

96 100

61 160.5 0.0 314.0

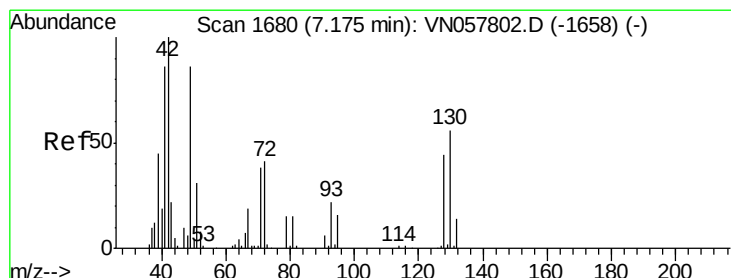
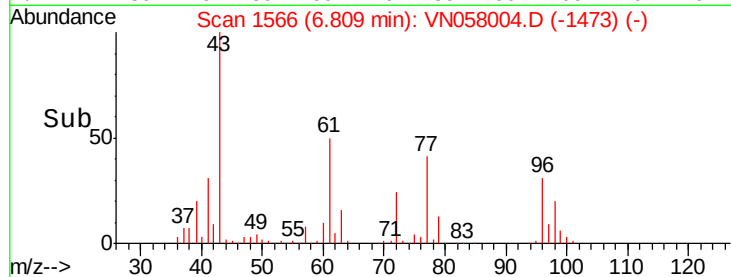
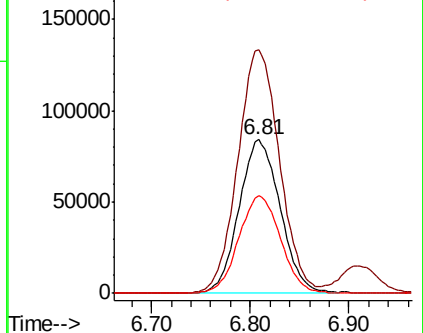
98 64.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.850 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

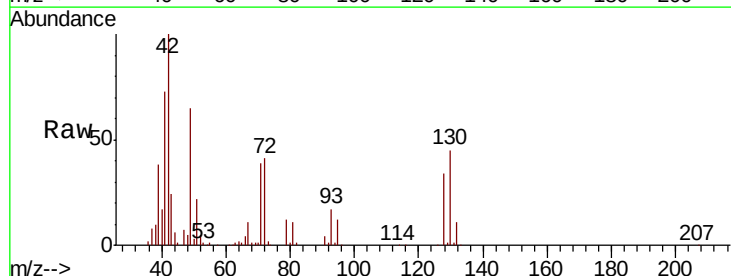
Tgt Ion: 49 Resp: 220615

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

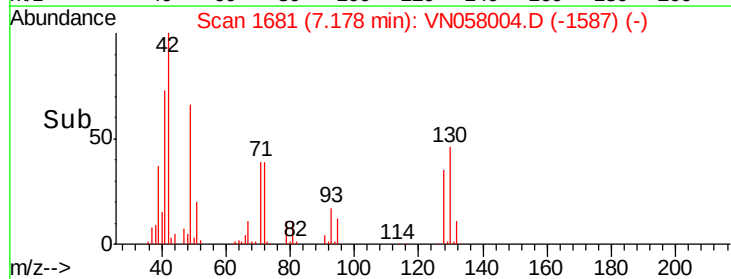
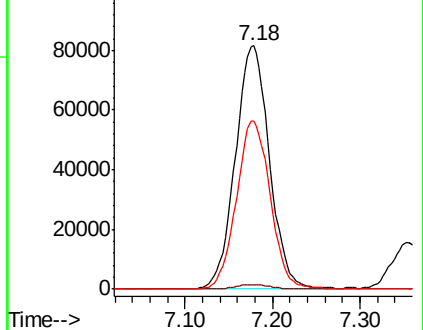
130 68.2 53.0 79.6

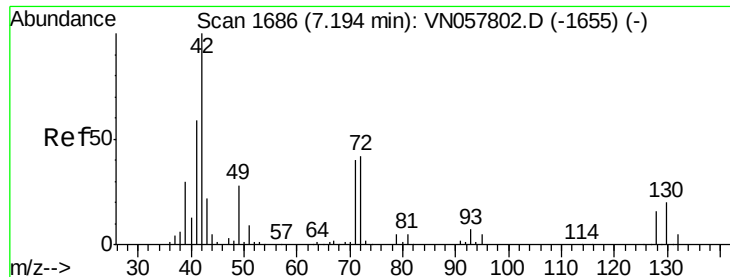


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 248.321 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

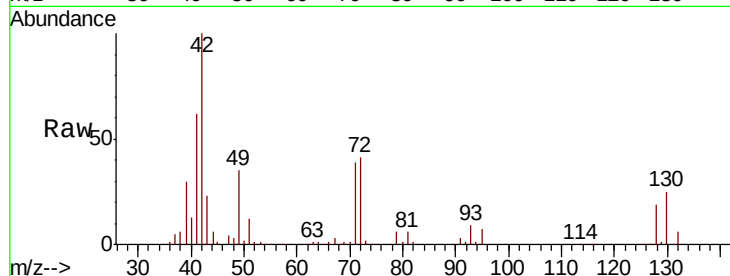
Tgt Ion: 42 Resp: 478137

Ion Ratio Lower Upper

42 100

72 40.7 33.7 50.5

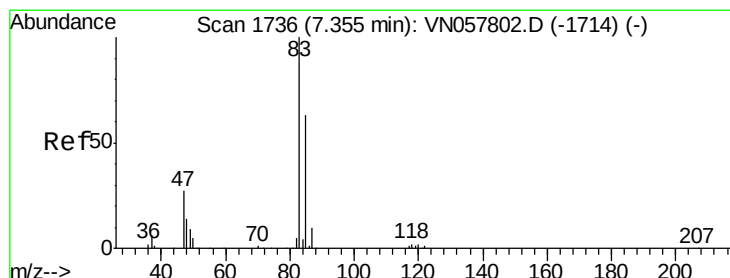
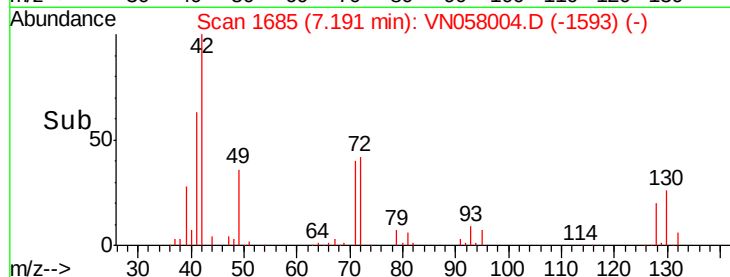
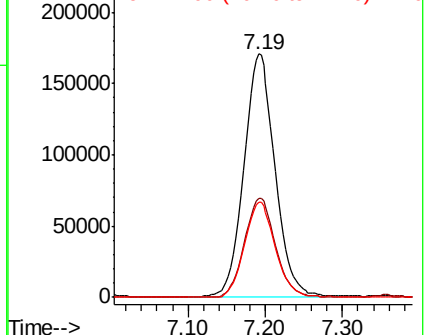
71 38.8 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.105 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058004.D

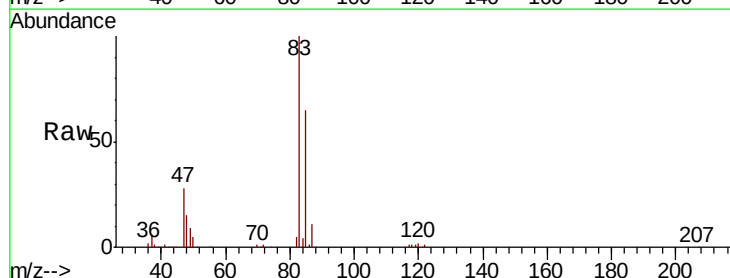
Acq: 13 Sep 2019 9:34

Tgt Ion: 83 Resp: 454960

Ion Ratio Lower Upper

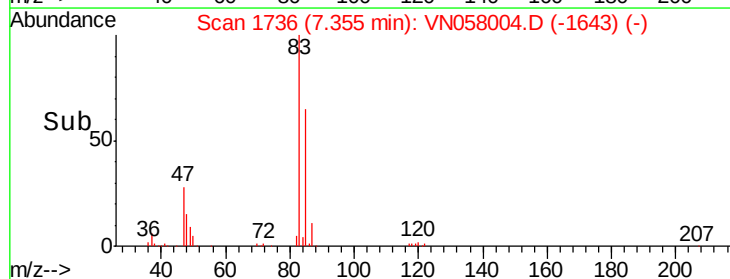
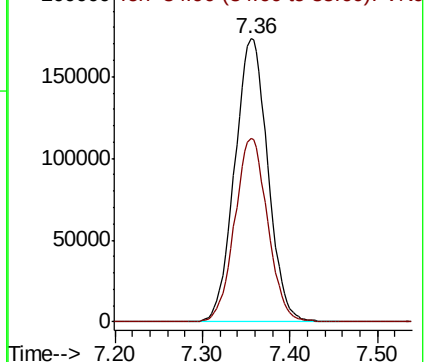
83 100

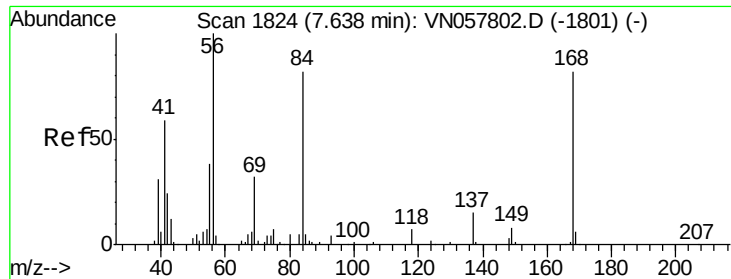
85 65.1 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

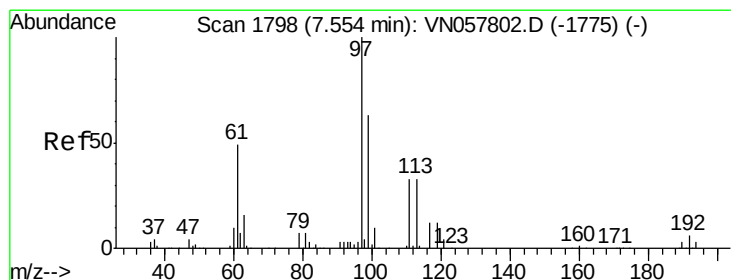
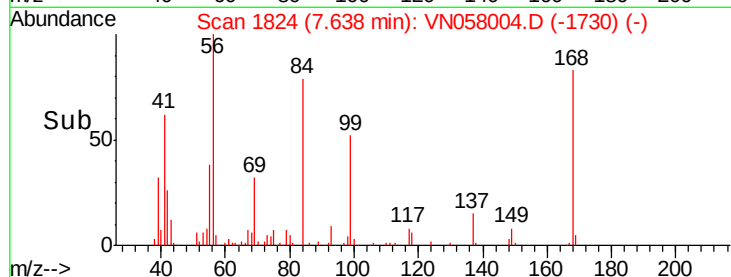
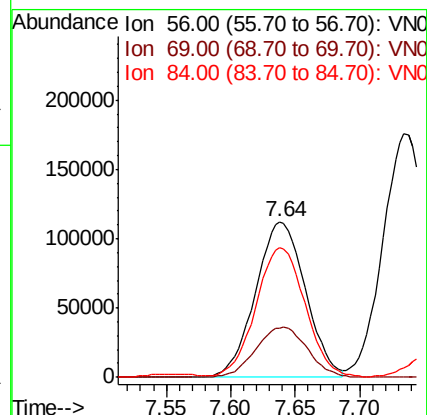
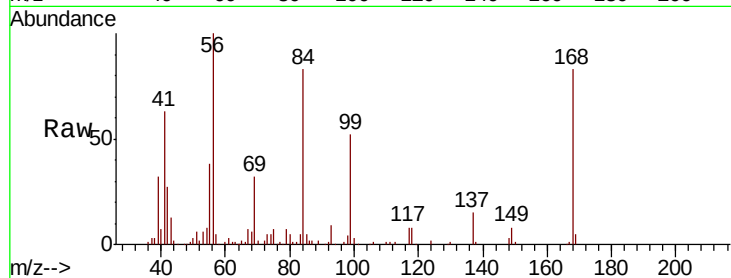




#31
Cyclohexane
Concen: 51.123 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

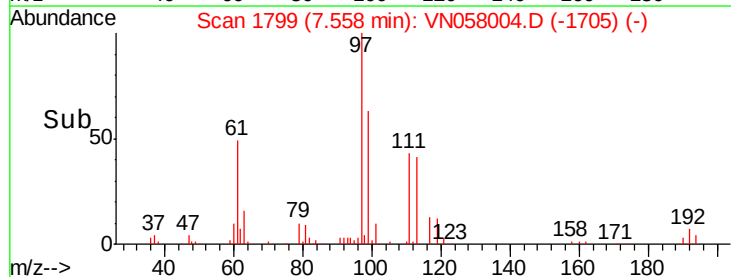
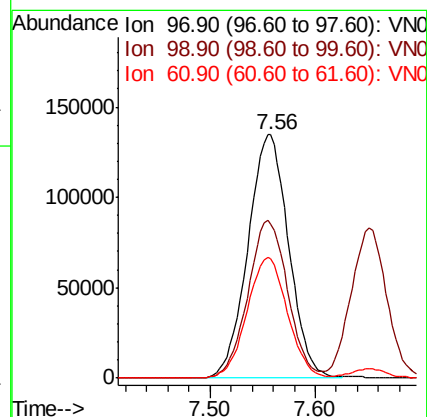
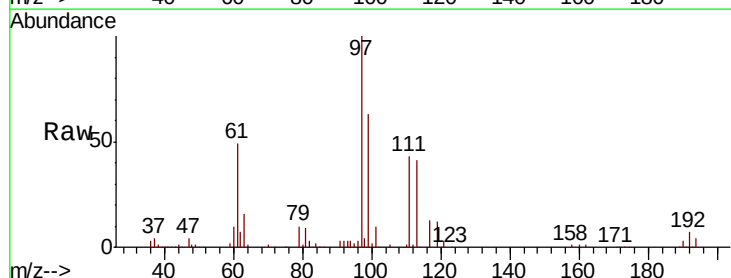
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

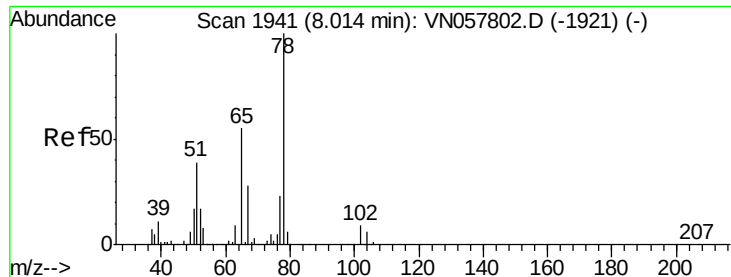
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.9	38.9
84	81.8	65.6	98.4



#32
1,1,1-Trichloroethane
Concen: 50.255 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	49.4	39.0	58.6

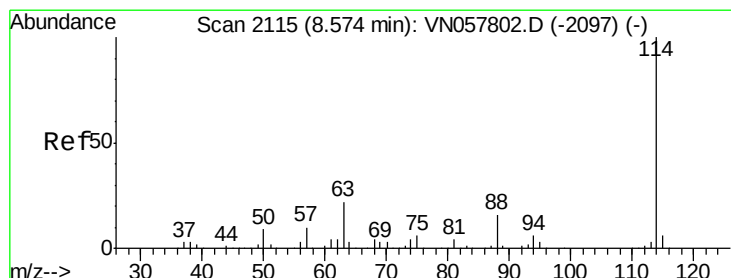
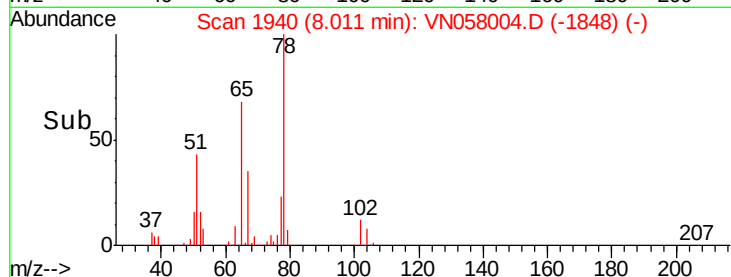
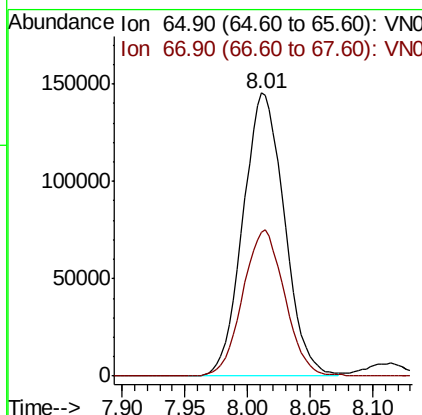
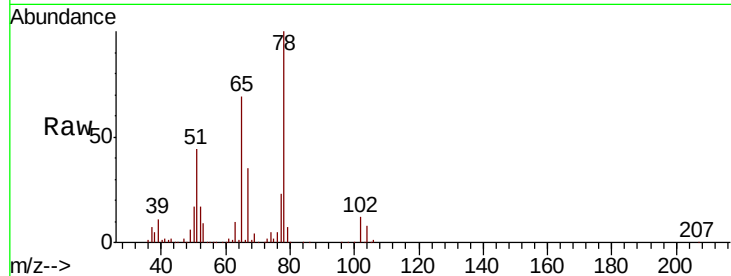




#33
 1,2-Dichloroethane-d4
 Concen: 50.787 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

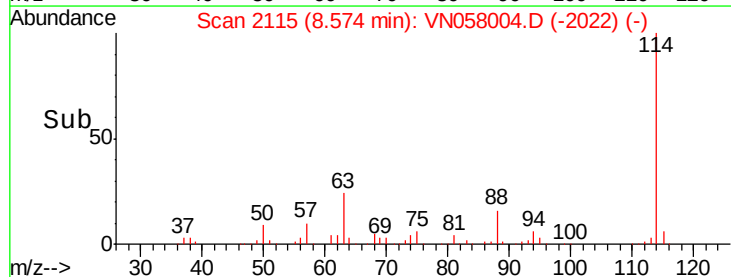
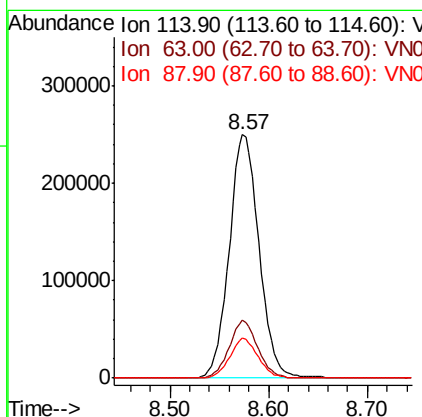
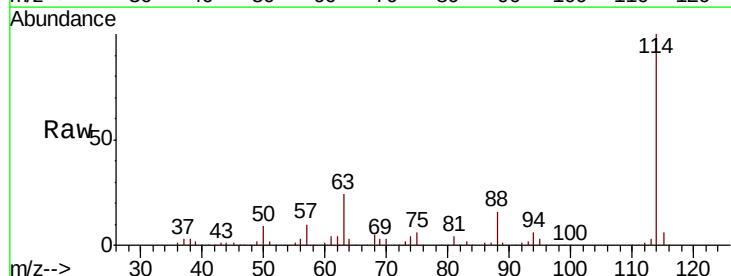
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

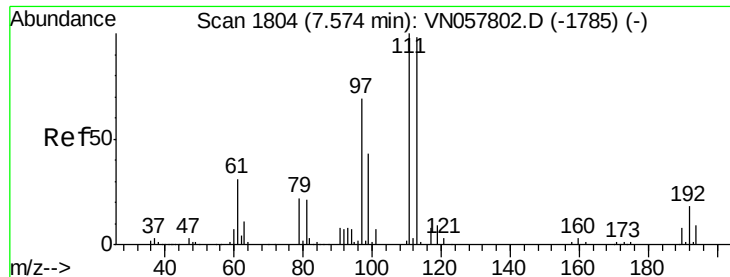
Tgt Ion: 65 Resp: 334474
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 114 Resp: 525734
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 44.0
 88 16.3 0.0 31.4

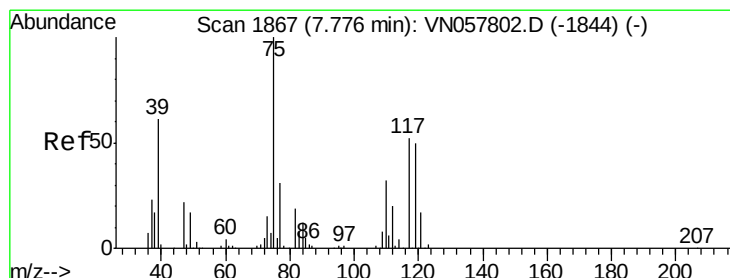
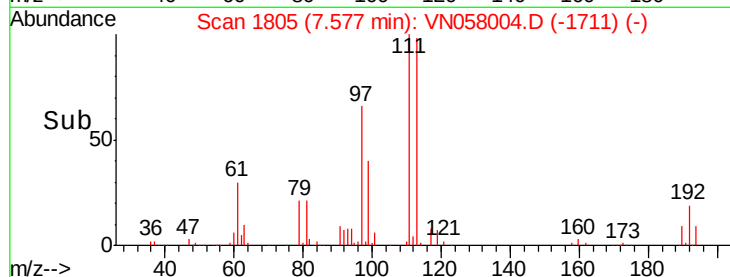
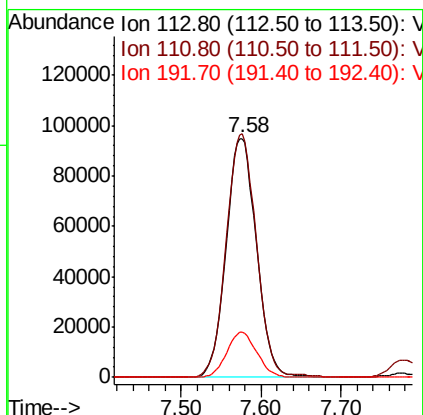
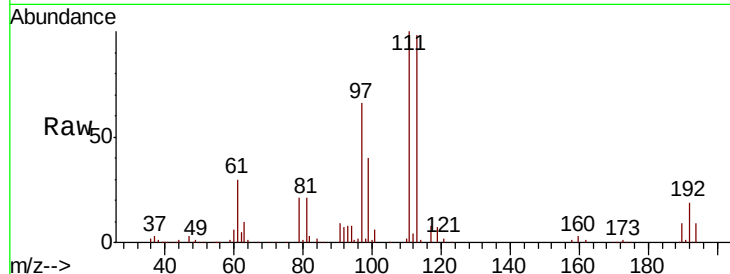




#35
 Dibromofluoromethane
 Concen: 50.320 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

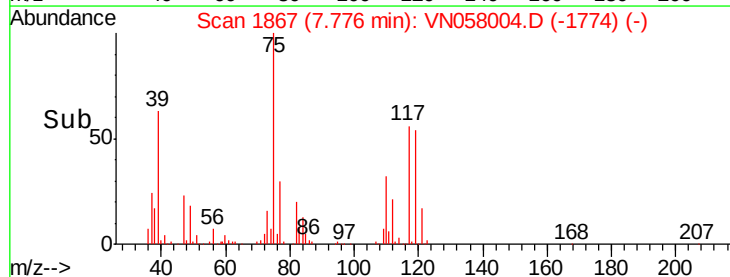
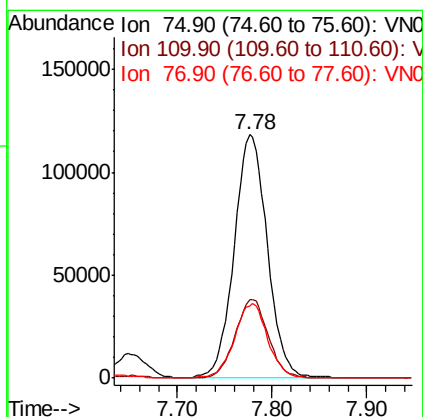
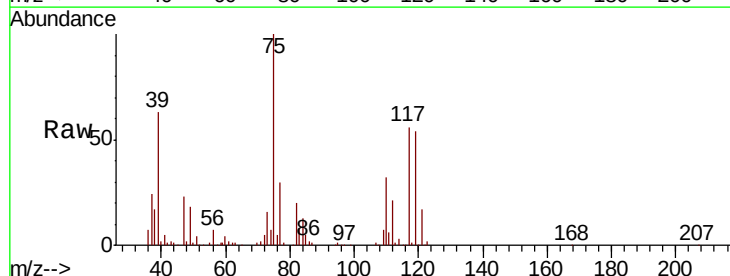
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

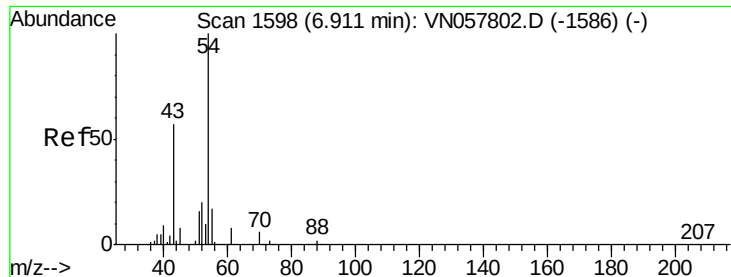
Tgt Ion: 113 Resp: 244169
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.3 121.9
 192 18.6 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 46.799 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 75 Resp: 285339
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.3 48.9
 77 31.2 25.0 37.4

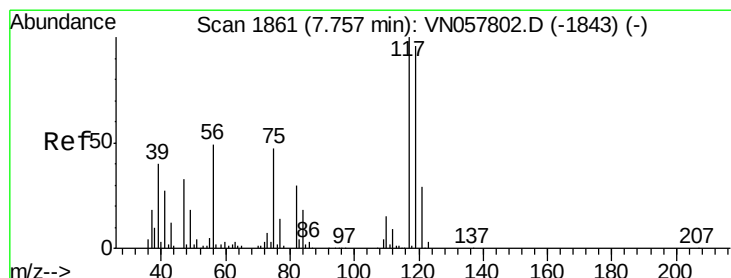
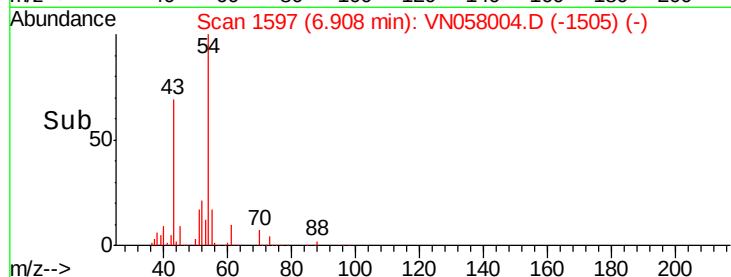
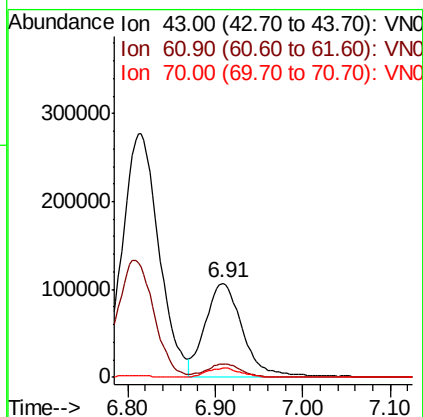
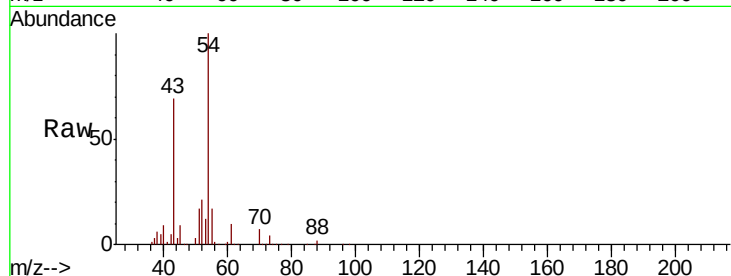




#37
Ethyl Acetate
 Concen: 49.413 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

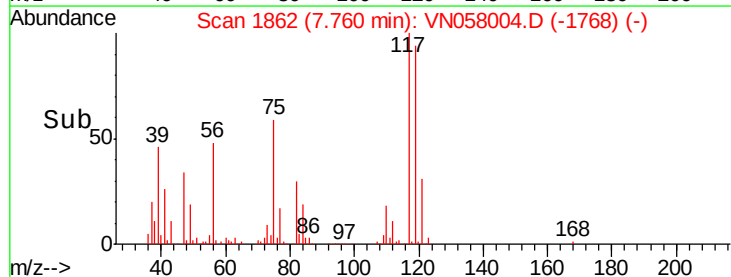
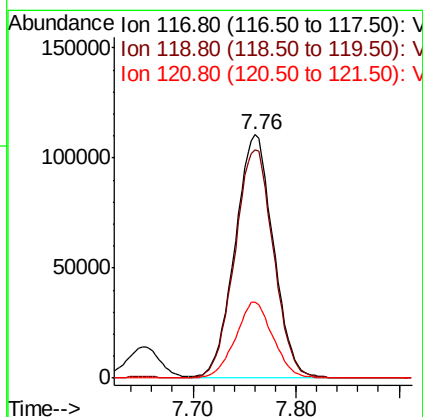
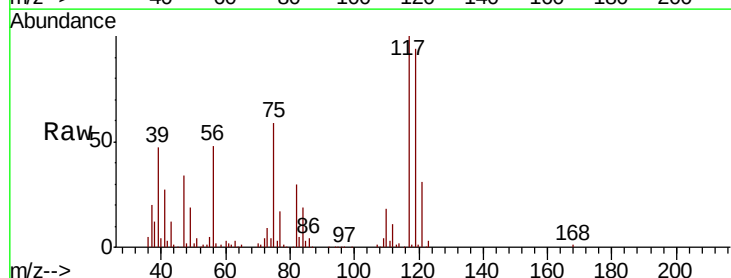
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

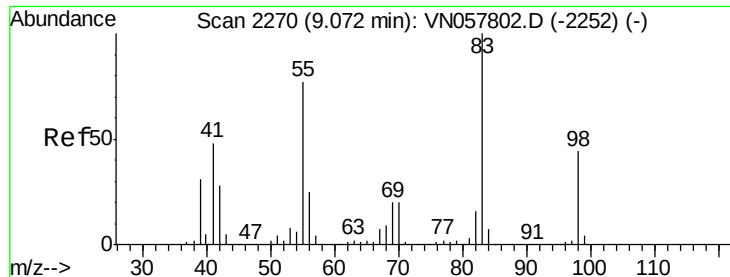
Tgt Ion: 43 Resp: 311277
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.5 15.7
 70 9.3 7.4 11.0



#38
Carbon Tetrachloride
 Concen: 51.223 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 117 Resp: 285138
 Ion Ratio Lower Upper
 117 100
 119 94.2 76.9 115.3
 121 31.4 23.4 35.2

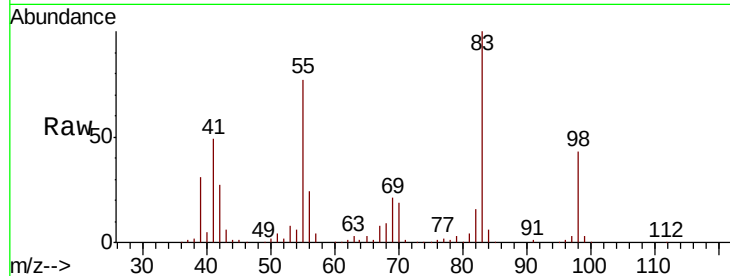




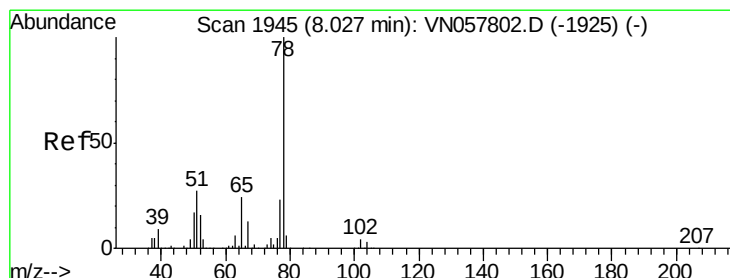
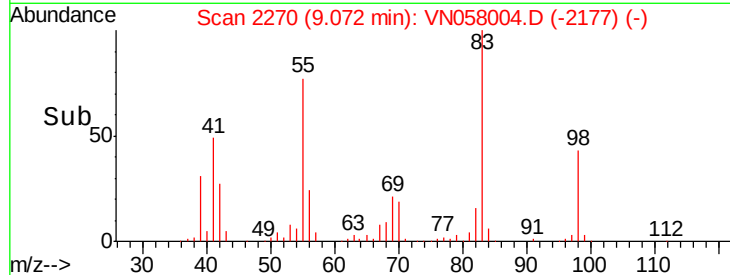
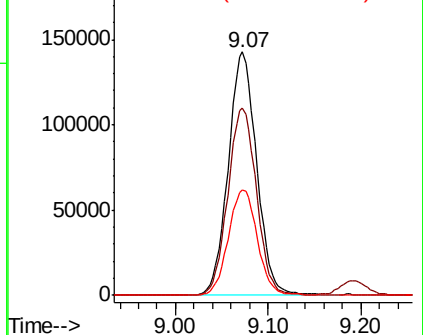
#39
Methylcyclohexane
Concen: 47.339 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 303416
Ion Ratio Lower Upper
83 100
55 77.1 61.6 92.4
98 43.5 34.9 52.3

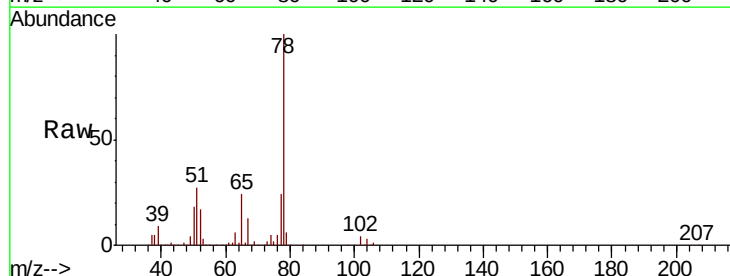


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

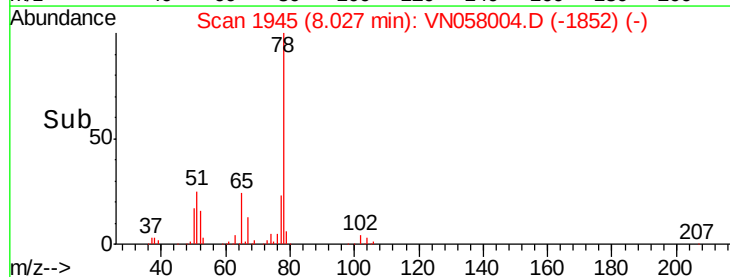
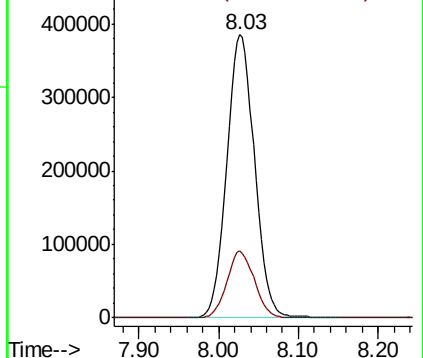


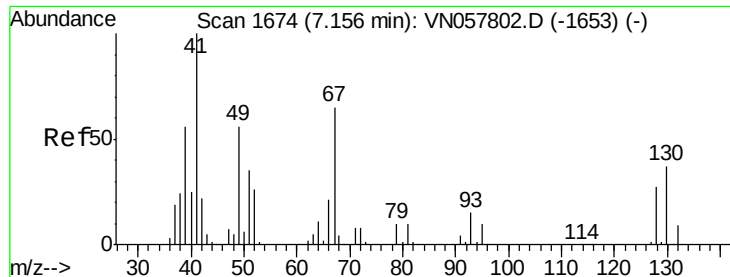
#40
Benzene
Concen: 49.526 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 78 Resp: 909114
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5



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

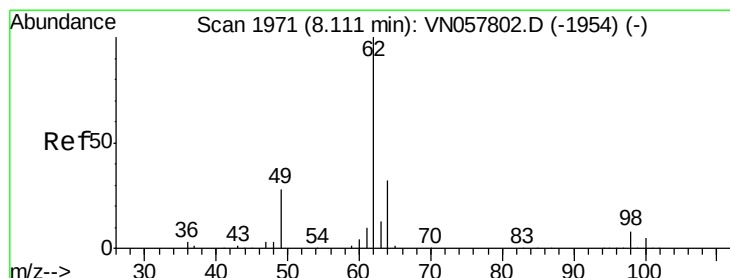
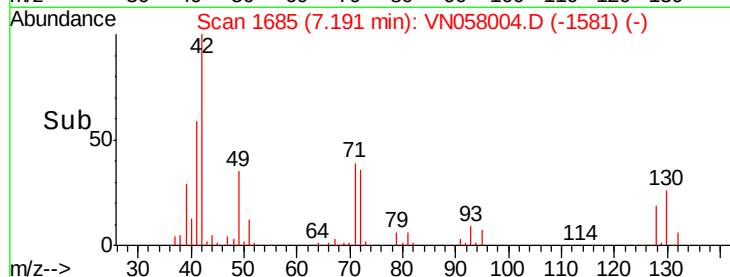
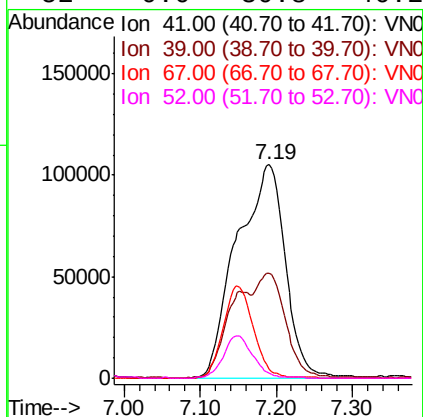
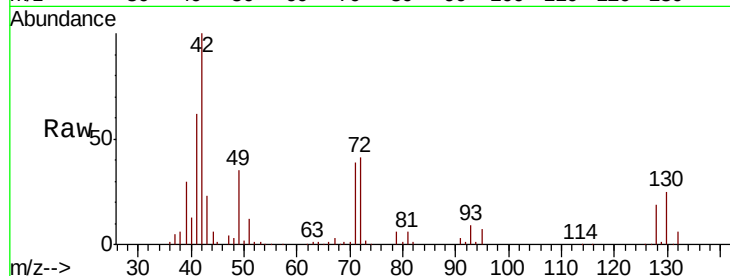




#41
Methacrylonitrile
Concen: 161.628 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

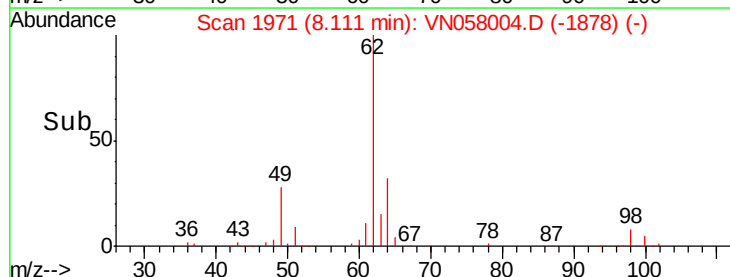
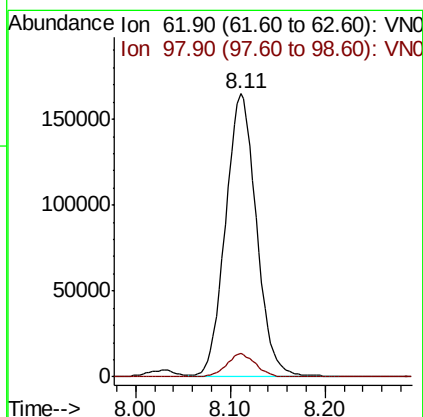
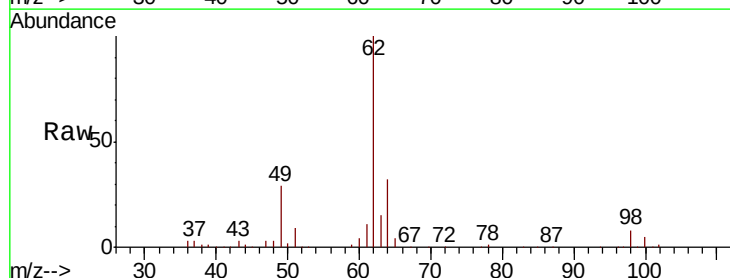
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

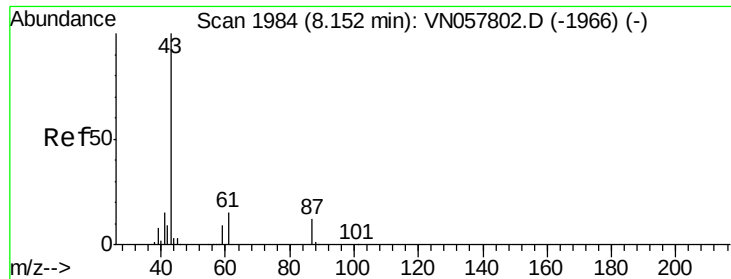
Tgt Ion: 41 Resp: 462181
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 50.668 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 62 Resp: 371968
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 52.741 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

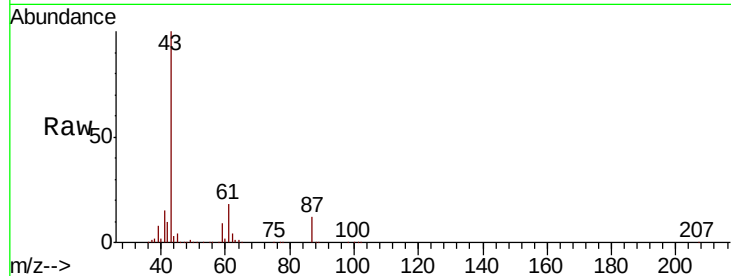
Tgt Ion: 43 Resp: 558717

Ion Ratio Lower Upper

43 100

61 17.9 20.1 30.1#

87 11.5 9.5 14.3

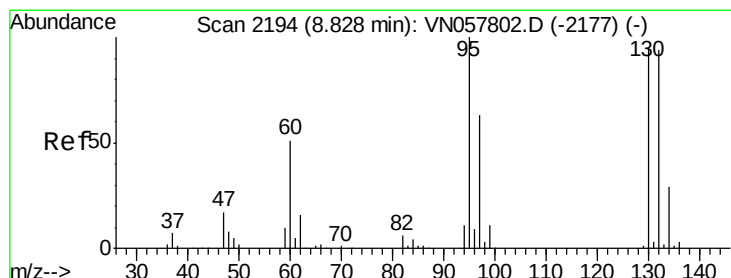
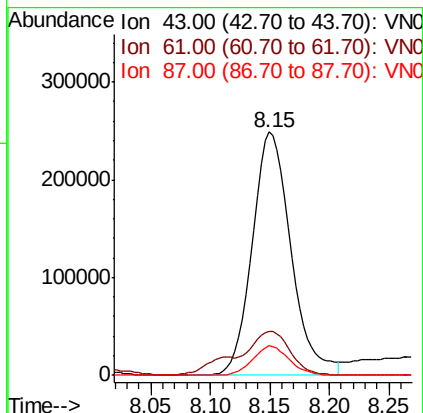
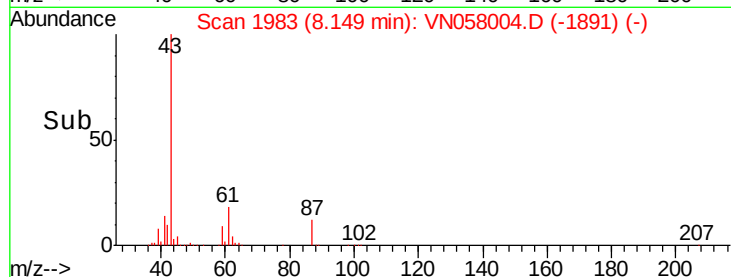


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 48.572 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058004.D

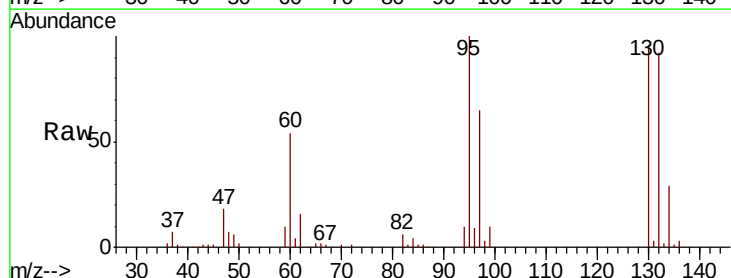
Acq: 13 Sep 2019 9:34

Tgt Ion: 130 Resp: 218685

Ion Ratio Lower Upper

130 100

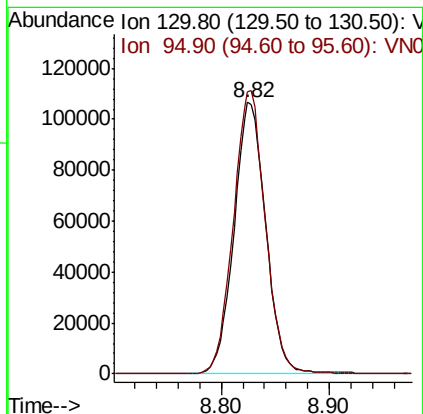
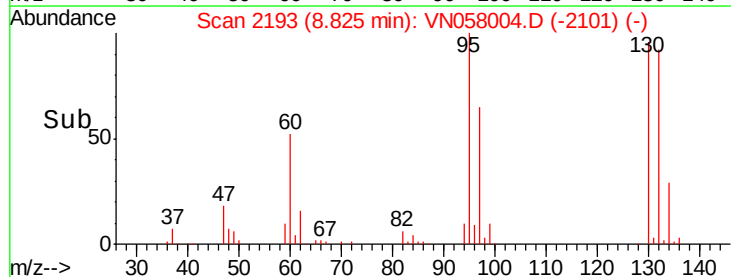
95 103.9 0.0 211.4

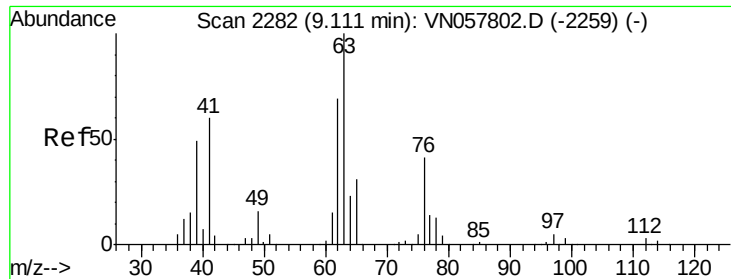


Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

Time-->

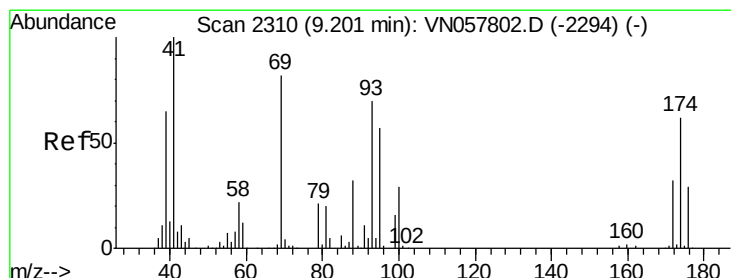
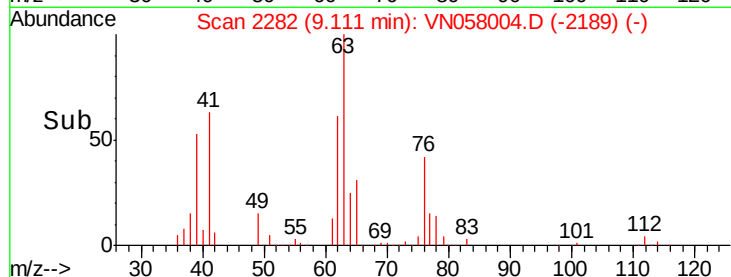
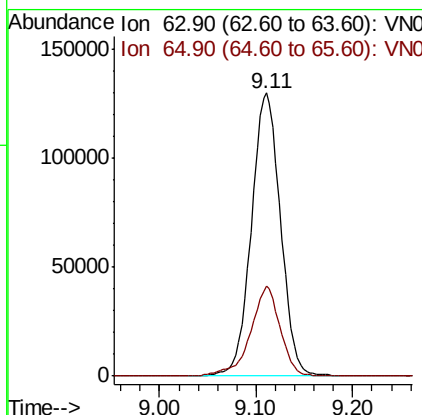
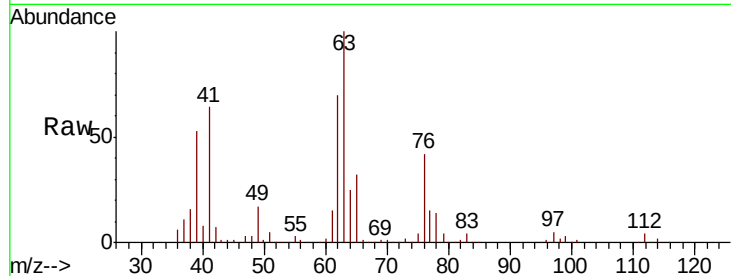




#45
 1,2-Dichloropropane
 Concen: 50.744 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

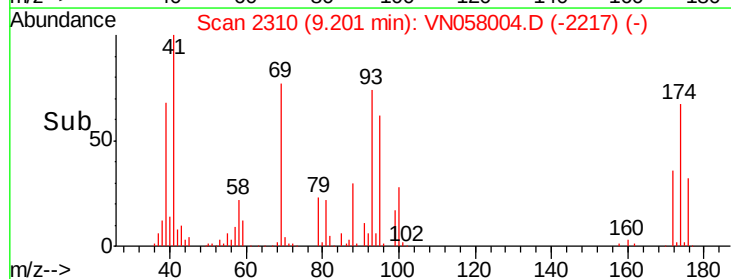
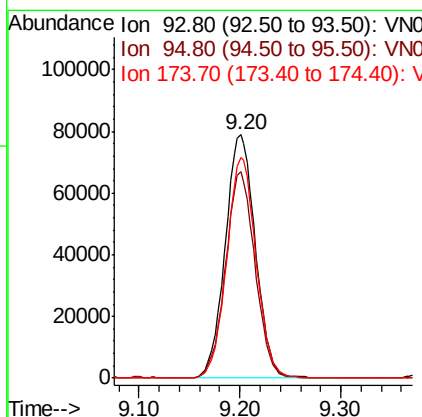
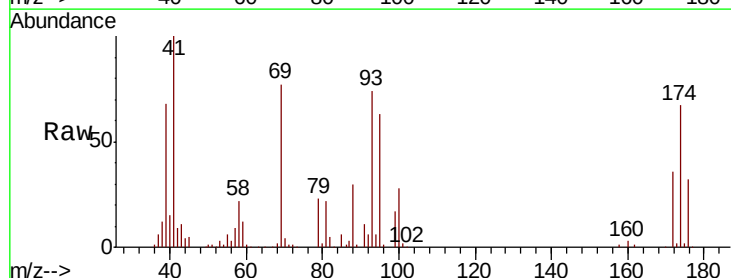
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

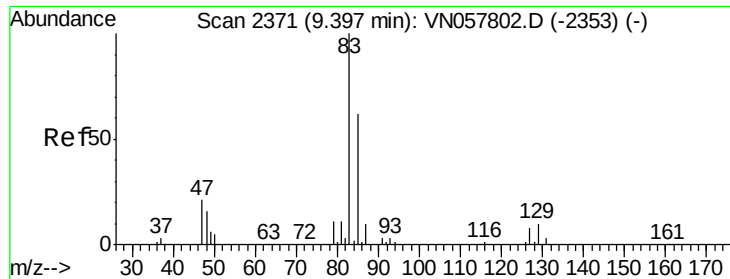
Tgt Ion: 63 Resp: 271046
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2



#46
 Dibromomethane
 Concen: 50.970 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 93 Resp: 164516
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 88.1 71.8 107.6





#47

Bromodichloromethane

Concen: 53.251 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

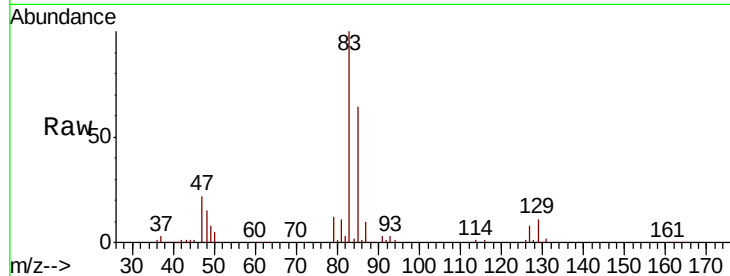
Tgt Ion: 83 Resp: 343224

Ion Ratio Lower Upper

83 100

85 63.6 49.9 74.9

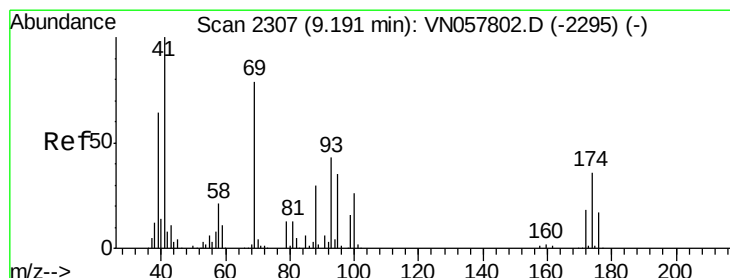
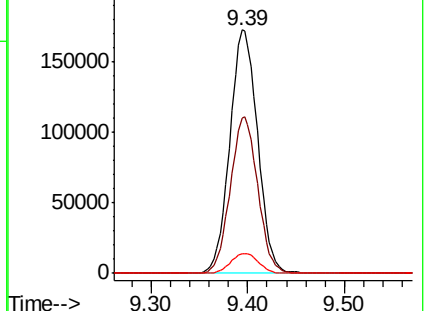
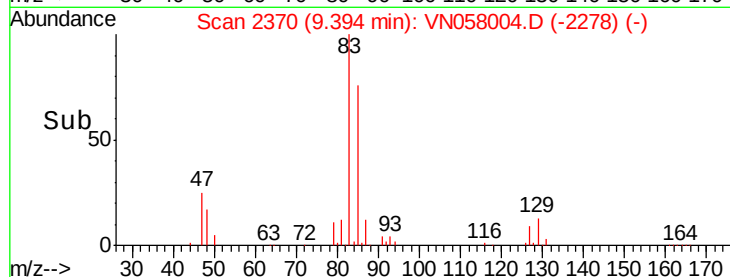
127 7.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN057802.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN057802.D (-2353) (-)



#48

Methyl methacrylate

Concen: 49.323 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

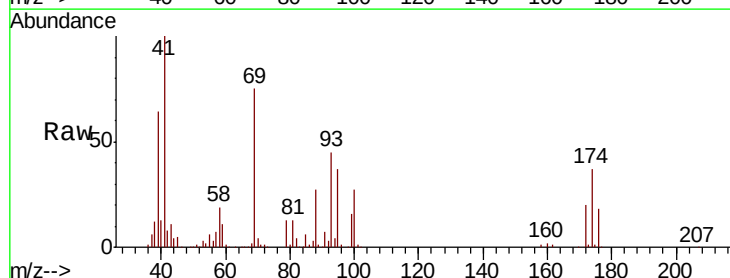
Tgt Ion: 41 Resp: 265051

Ion Ratio Lower Upper

41 100

69 77.2 62.7 94.1

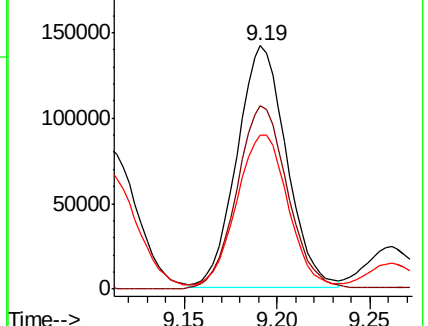
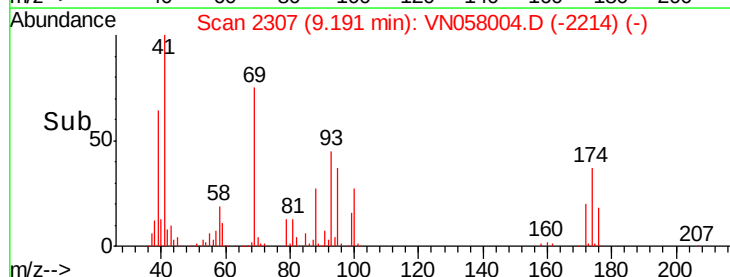
39 66.1 52.7 79.1

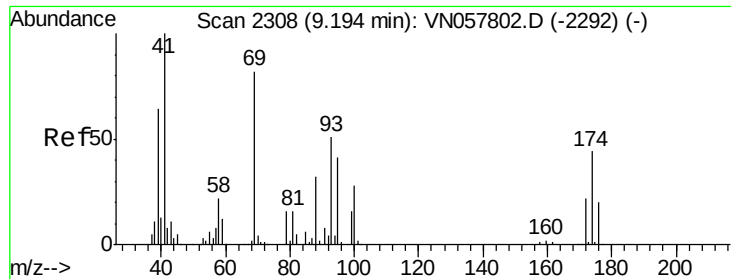


Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057802.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-2295) (-)

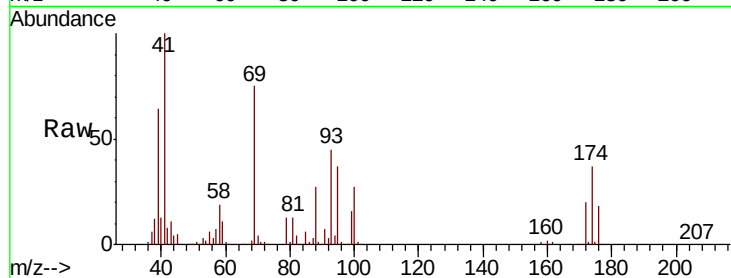




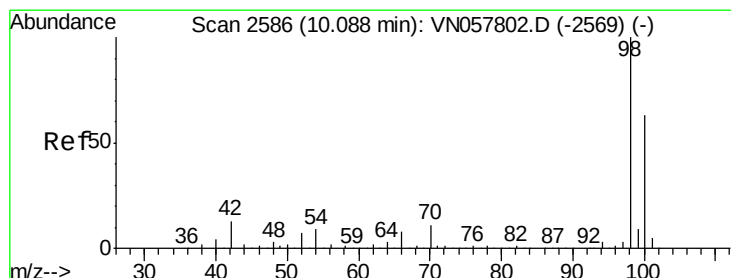
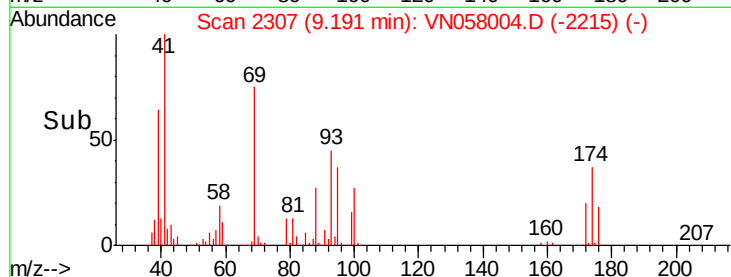
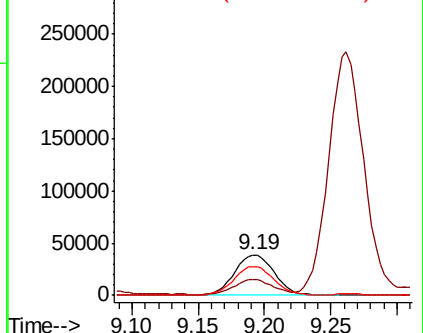
#49
1,4-Dioxane
Concen: 894.377 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 81277
Ion Ratio Lower Upper
88 100
43 35.0 28.5 42.7
58 72.2 55.8 83.6

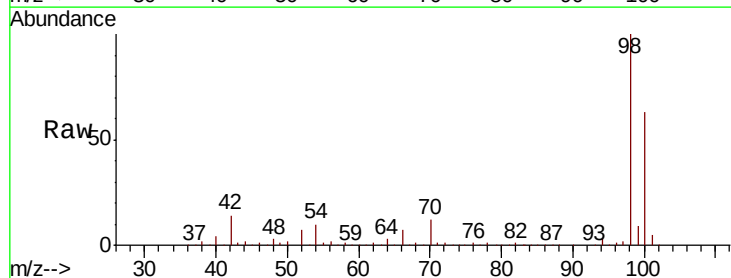


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

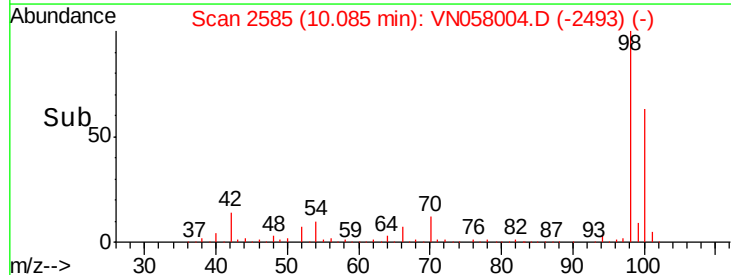
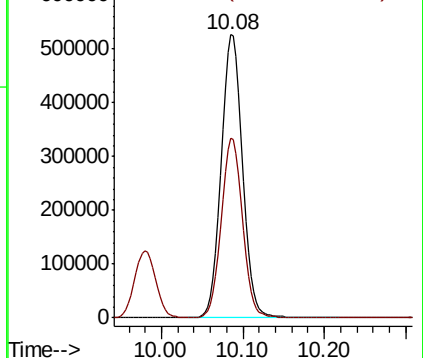


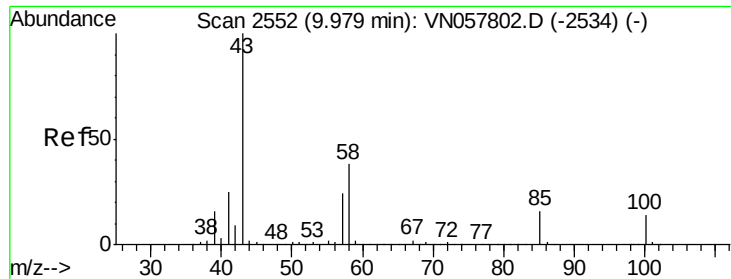
#50
Toluene-d8
Concen: 52.047 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 98 Resp: 980527
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



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: 266.314 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

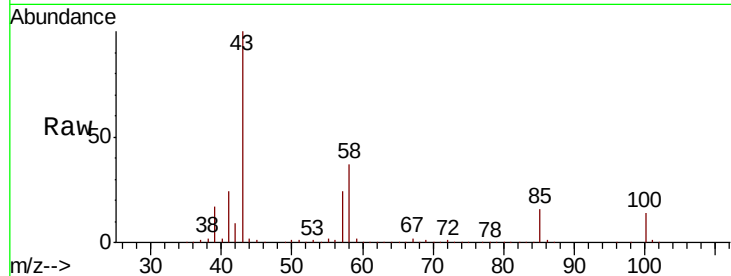
VSTDCCC050

Tgt Ion: 43 Resp: 1669524

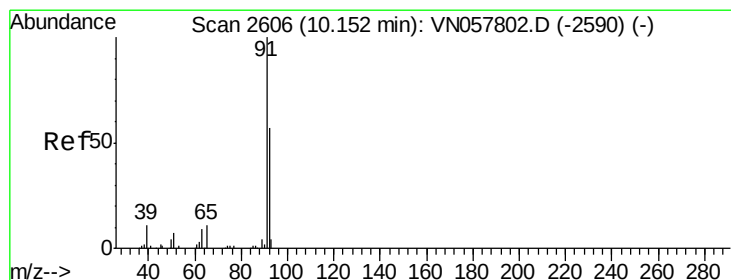
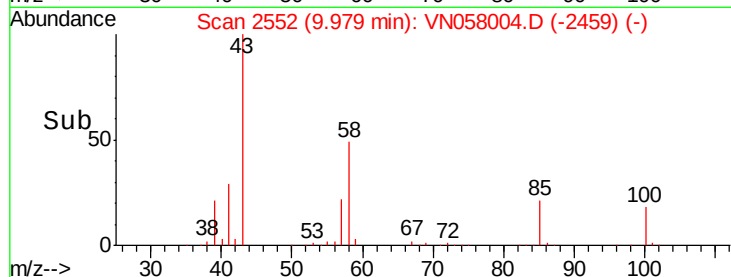
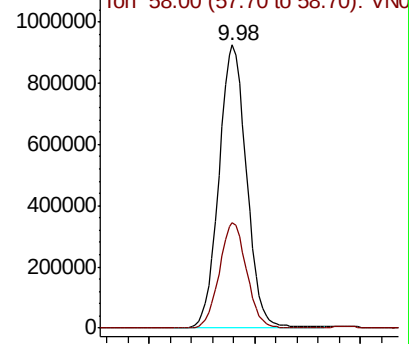
Ion Ratio Lower Upper

43 100

58 36.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)



#52

Toluene

Concen: 49.706 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058004.D

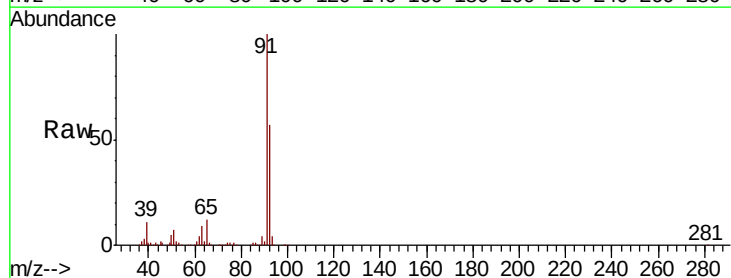
Acq: 13 Sep 2019 9:34

Tgt Ion: 92 Resp: 574680

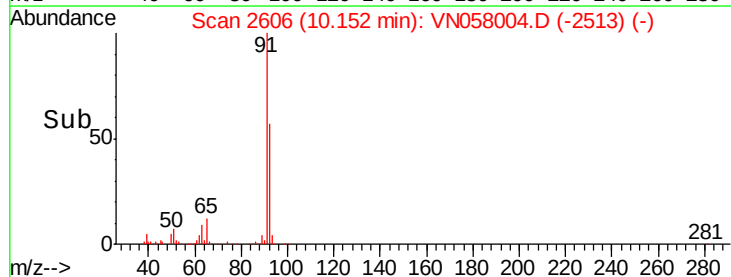
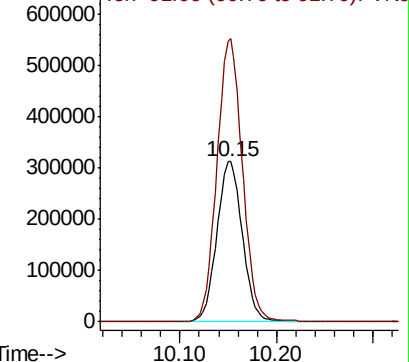
Ion Ratio Lower Upper

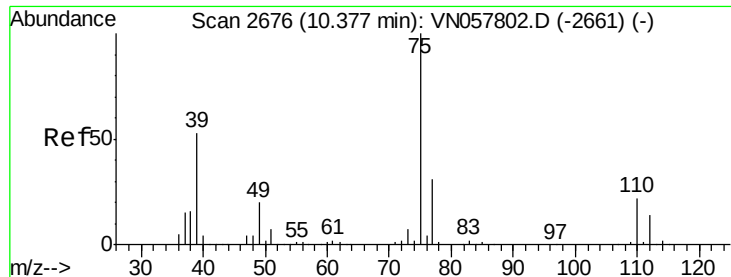
92 100

91 176.5 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)





#53

t-1,3-Dichloropropene

Concen: 53.582 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

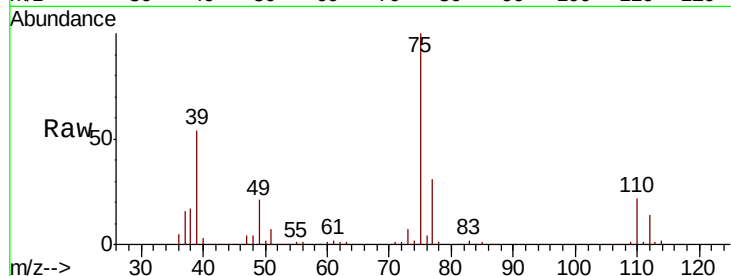
VSTDCCC050

Tgt Ion: 75 Resp: 363681

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN058004.D (-2661) (-)

Ion 76.90 (76.60 to 77.60): VN058004.D (-2661) (-)

10.38

250000

200000

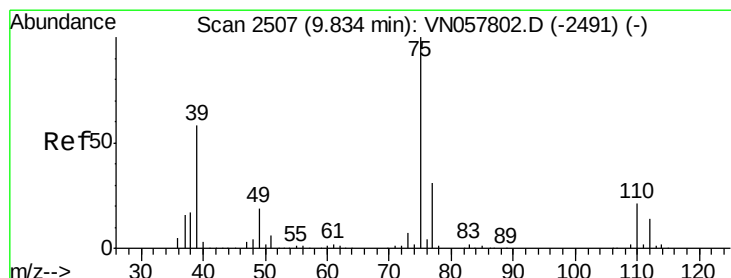
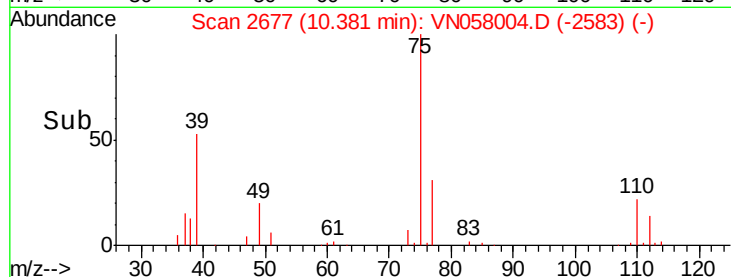
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.856 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

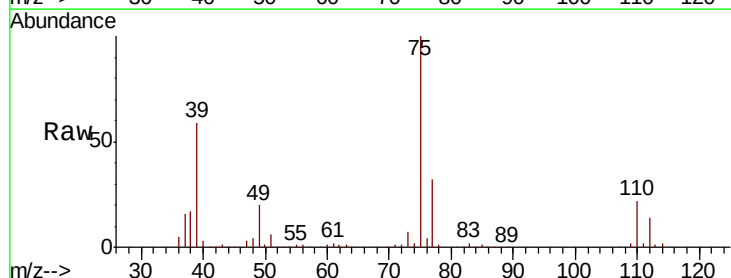
Tgt Ion: 75 Resp: 396090

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 58.4 46.2 69.4



Abundance Ion 74.90 (74.60 to 75.60): VN058004.D (-2491) (-)

Ion 76.90 (76.60 to 77.60): VN058004.D (-2491) (-)

Ion 39.00 (38.70 to 39.70): VN058004.D (-2491) (-)

9.83

300000

250000

200000

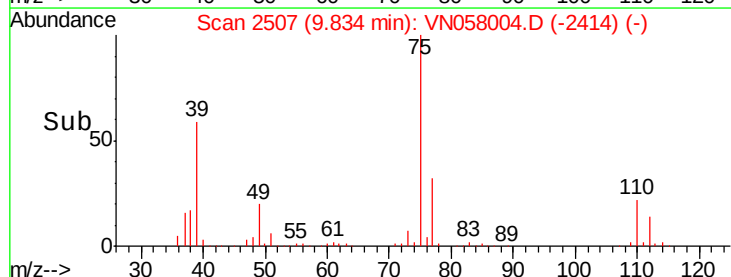
150000

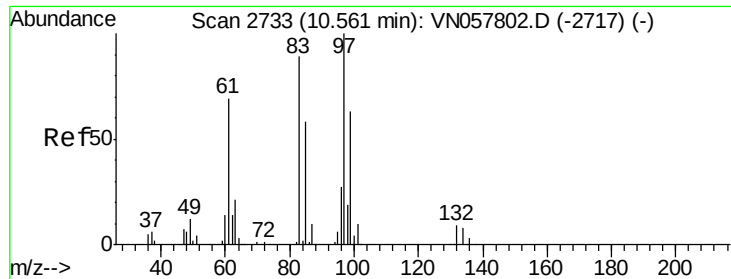
100000

50000

0

Time-->

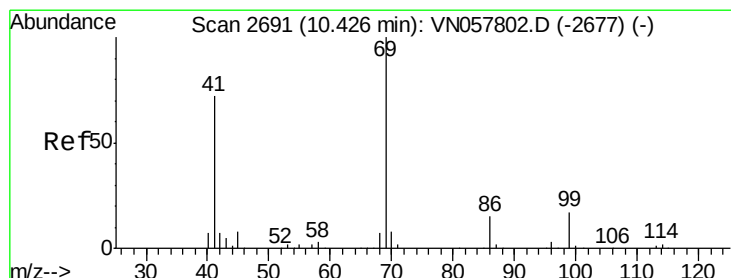
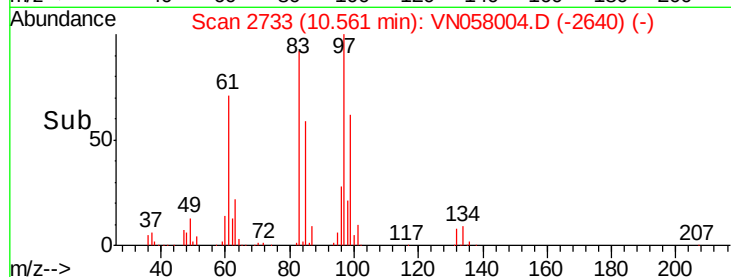
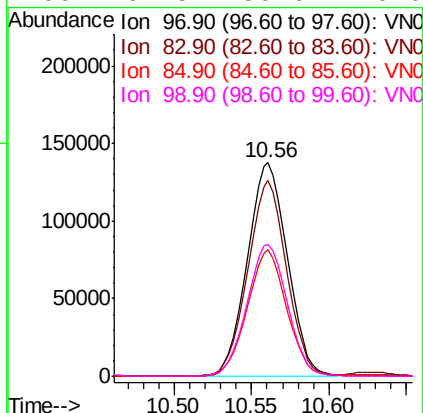
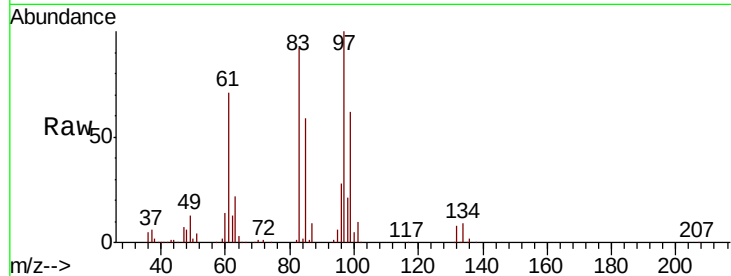




#55
 1,1,2-Trichloroethane
 Concen: 50.604 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

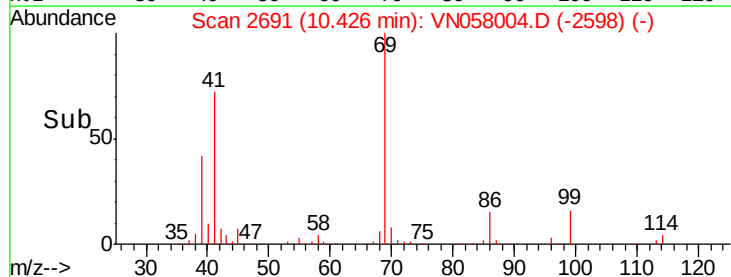
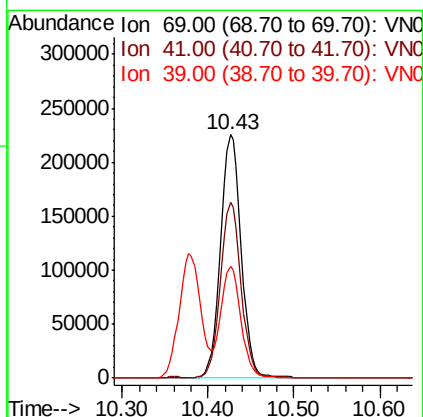
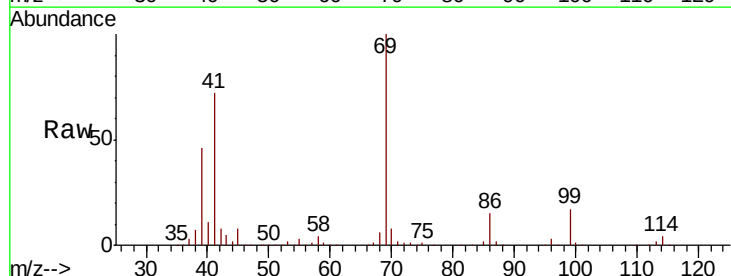
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

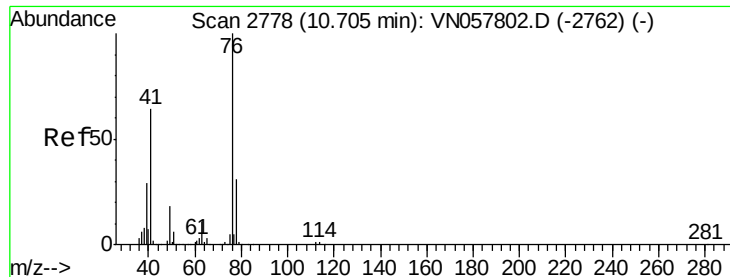
Tgt Ion:	97	Resp:	247825
Ion	Ratio	Lower	Upper
97	100		
83	91.6	70.8	106.2
85	59.1	46.0	69.0
99	61.5	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 51.164 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion:	69	Resp:	377328
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.7	85.1
39	44.9	36.3	54.5

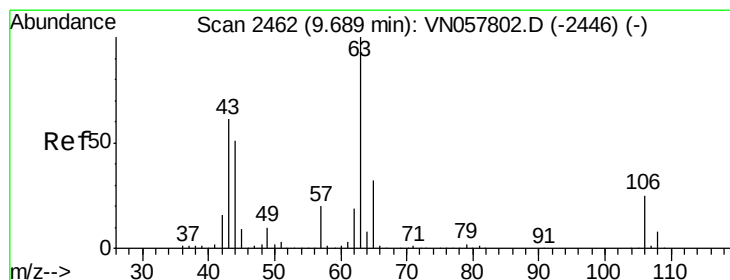
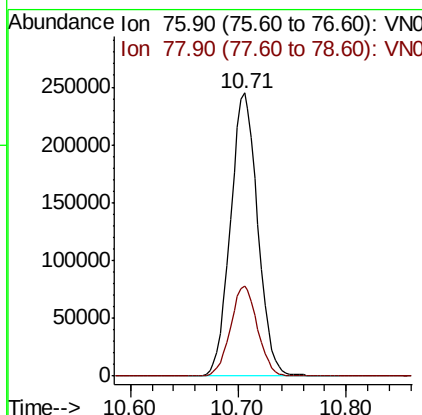
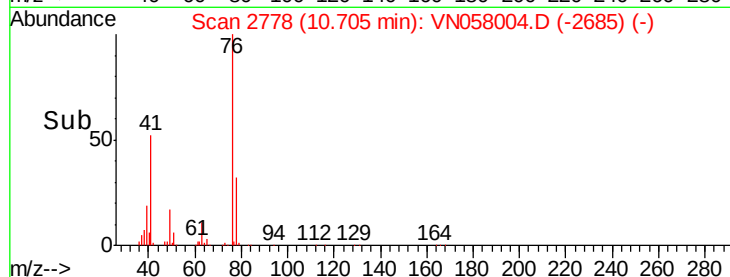
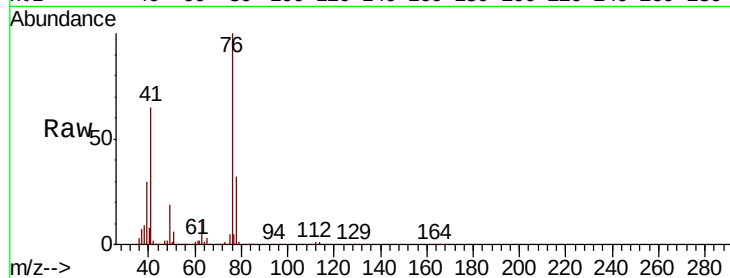




#57
 1,3-Dichloropropane
 Concen: 51.207 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

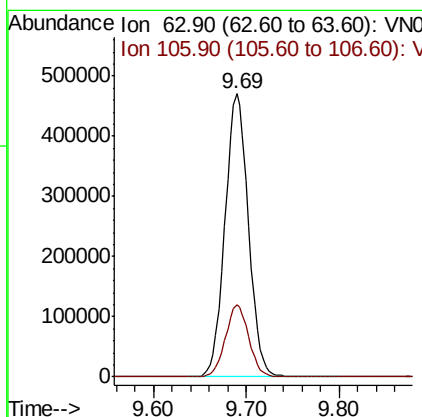
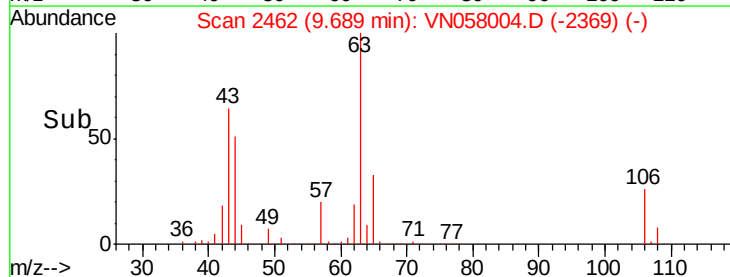
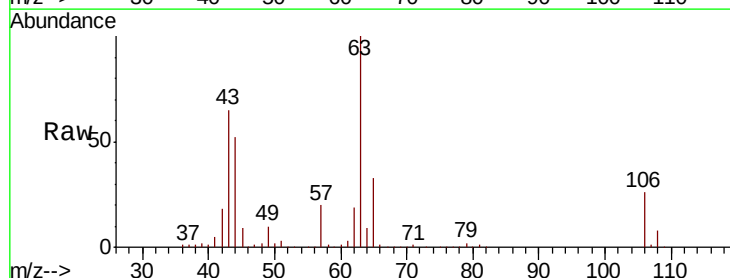
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

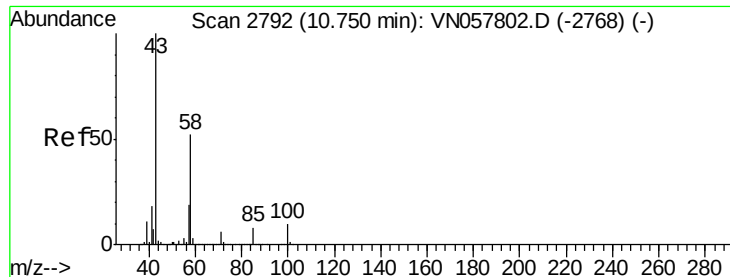
Tgt Ion: 76 Resp: 432185
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.838 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 63 Resp: 822655
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.0 30.0

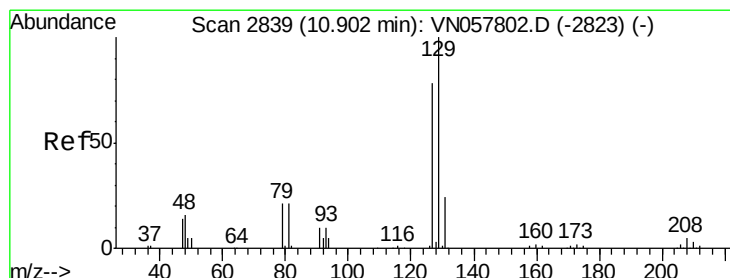
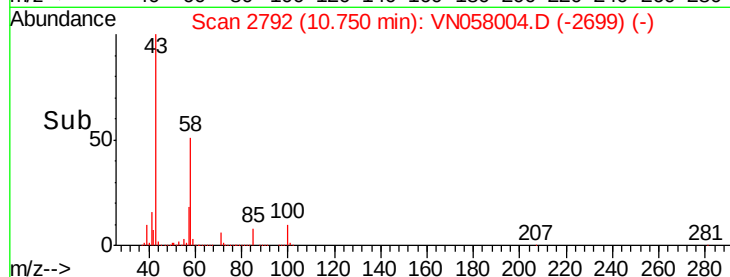
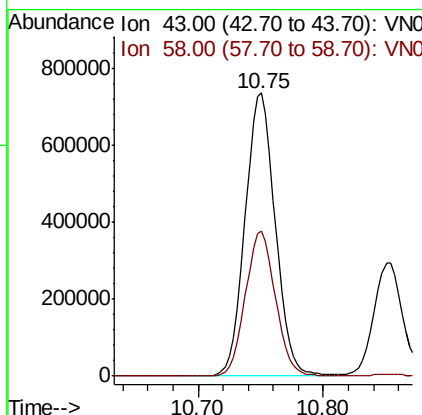
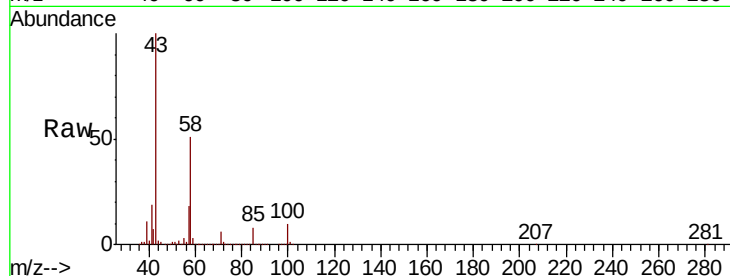




#59
2-Hexanone
Concen: 261.921 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

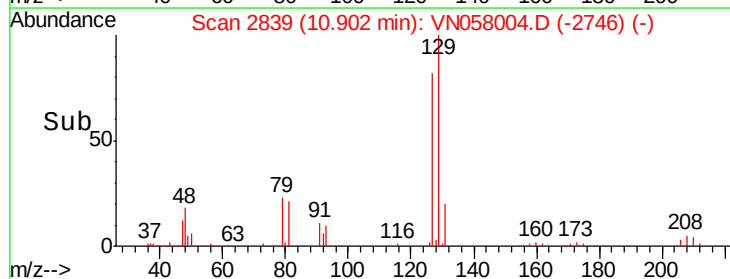
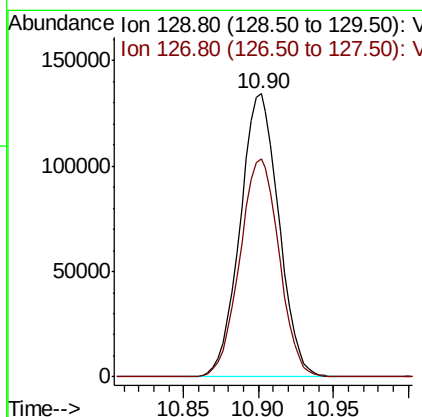
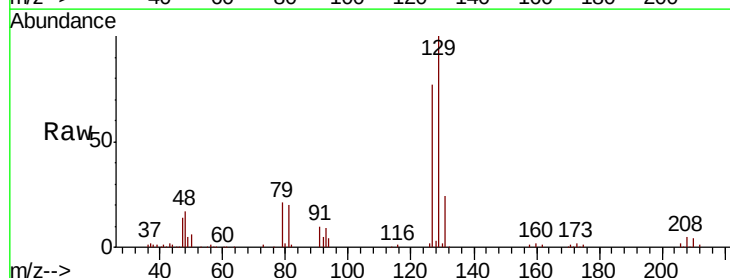
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

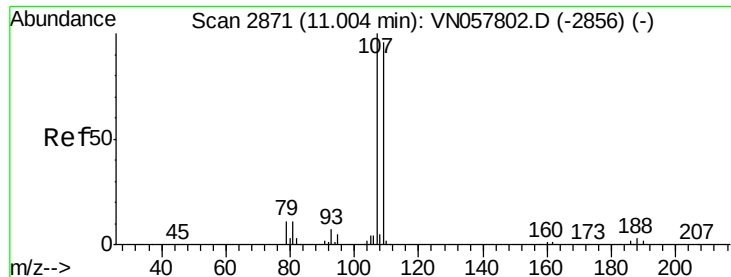
Tgt Ion: 43 Resp: 1230727
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8



#60
Dibromochloromethane
Concen: 53.261 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 129 Resp: 242210
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0

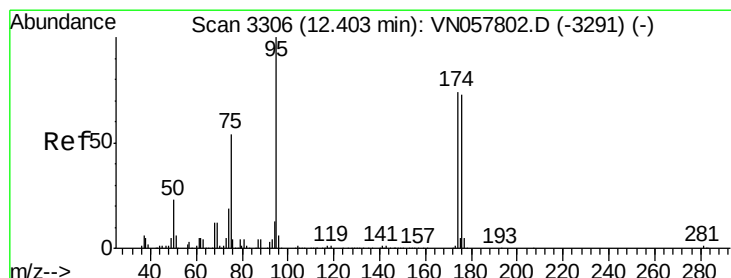
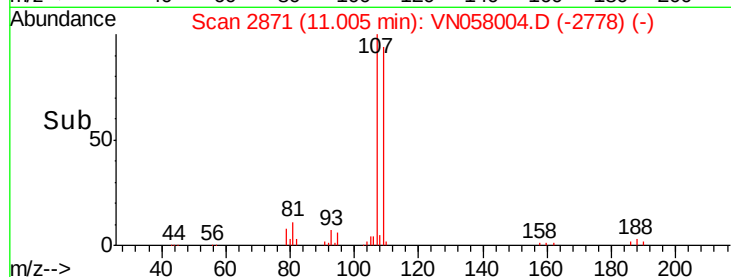
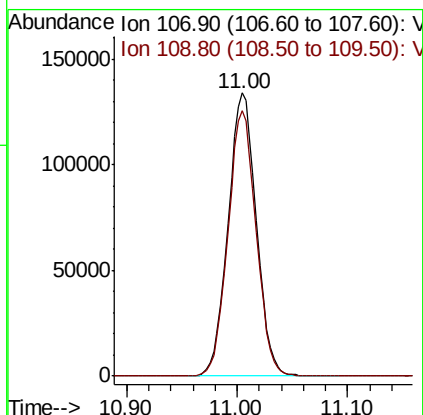
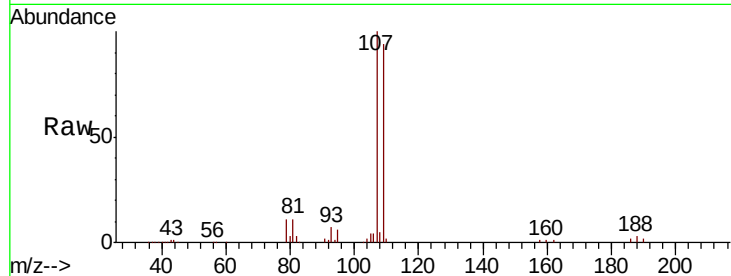




#61
 1,2-Dibromoethane
 Concen: 51.293 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

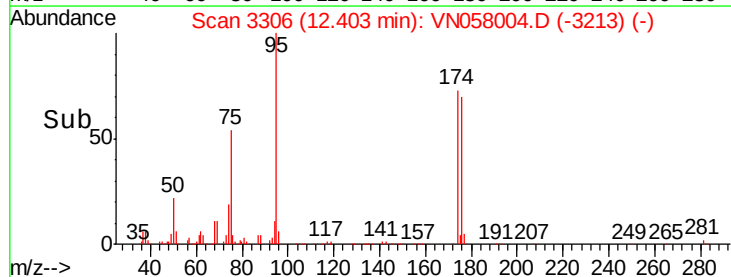
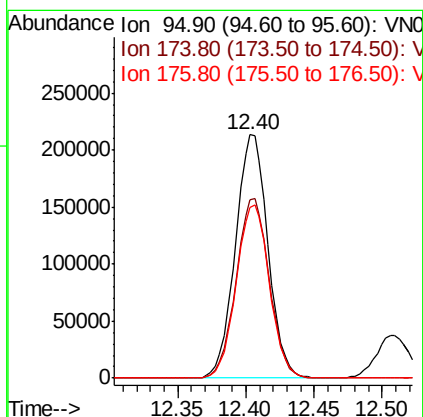
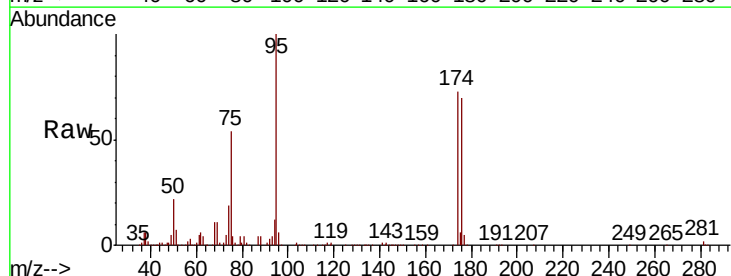
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

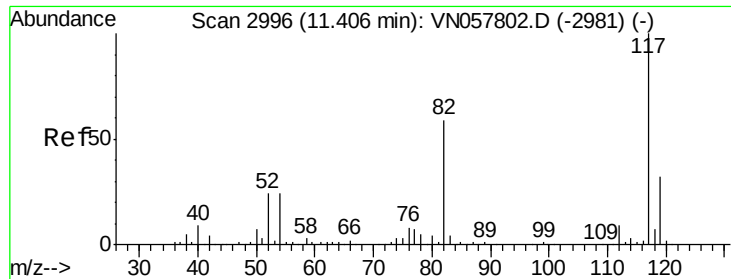
Tgt Ion: 107 Resp: 237483
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 49.115 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 95 Resp: 352619
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 150.2
 176 72.6 0.0 146.0

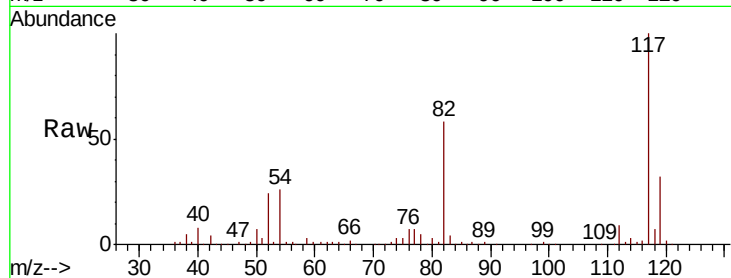




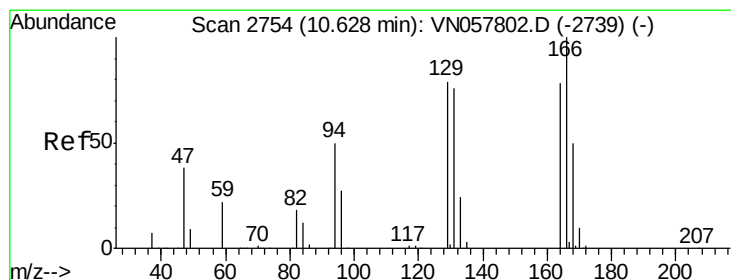
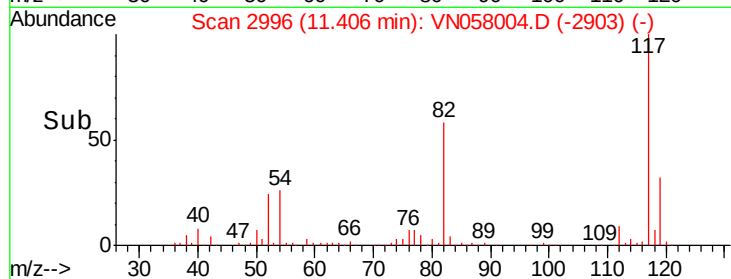
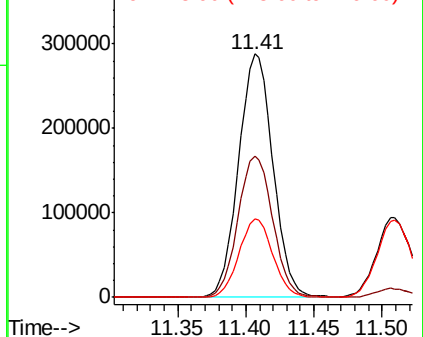
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 504748
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 32.4 25.3 37.9

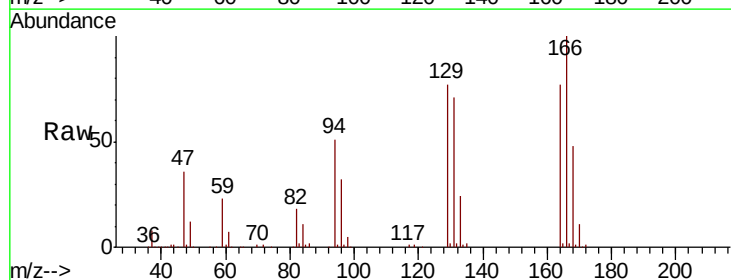


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

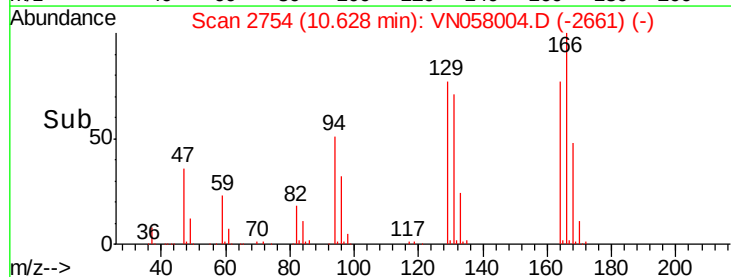
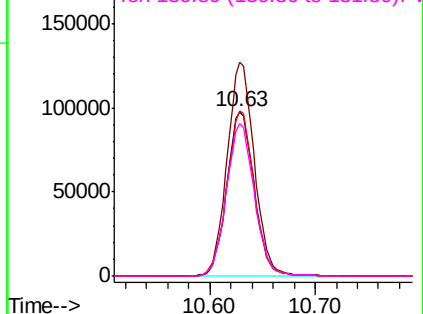


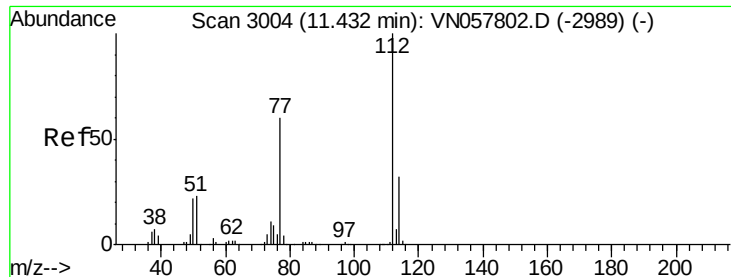
#64
Tetrachloroethene
Concen: 47.170 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion:164 Resp: 175794
Ion Ratio Lower Upper
164 100
166 129.9 102.2 153.2
129 100.4 80.8 121.2
131 92.8 77.4 116.2



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





#65

Chlorobenzene

Concen: 49.050 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

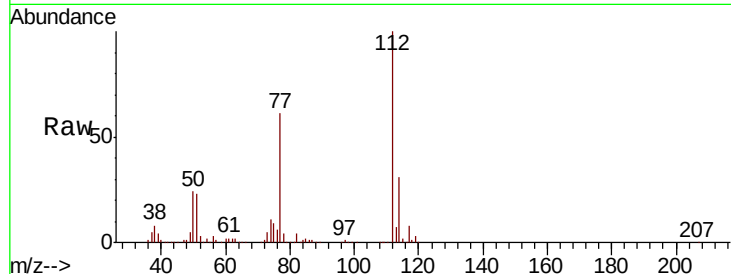
VSTDCCC050

Tgt Ion:112 Resp: 647930

Ion Ratio Lower Upper

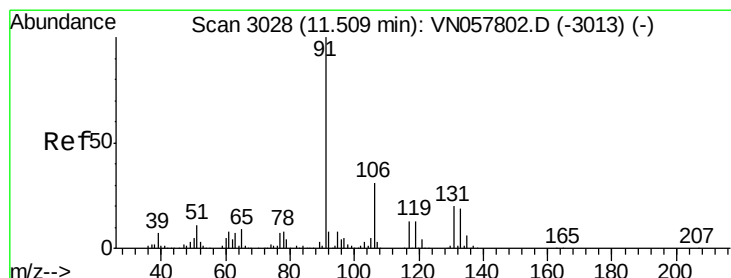
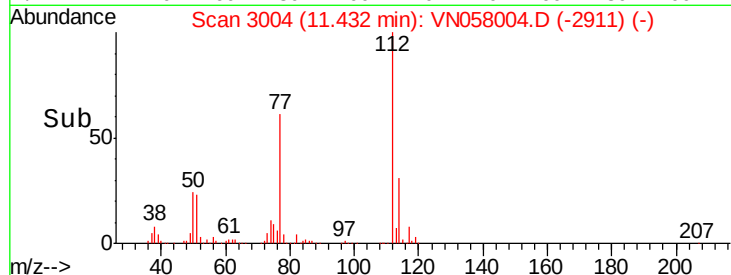
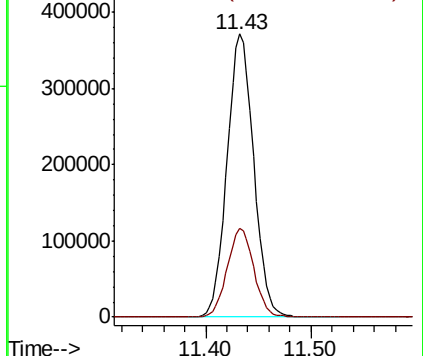
112 100

114 31.2 25.2 37.8



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: 51.870 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

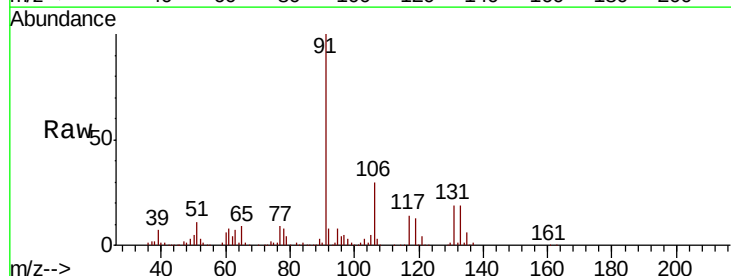
Tgt Ion:131 Resp: 237755

Ion Ratio Lower Upper

131 100

133 95.5 47.1 141.3

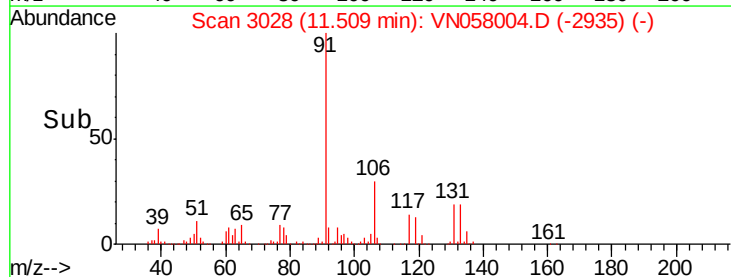
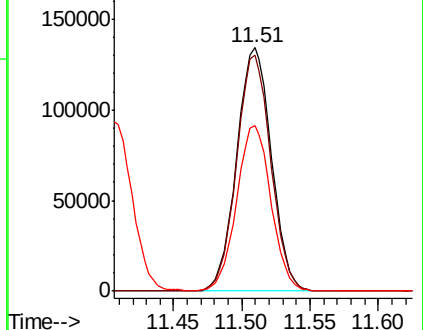
119 67.3 33.3 99.8

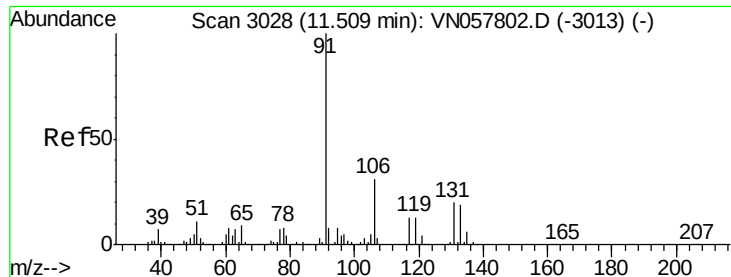


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

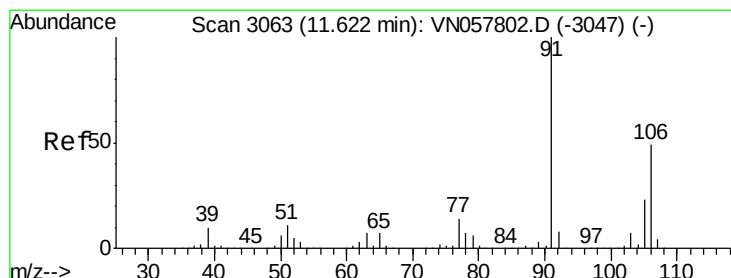
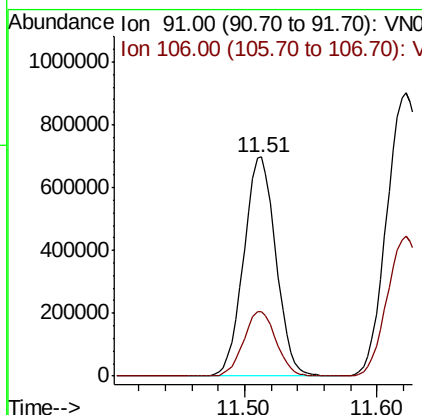
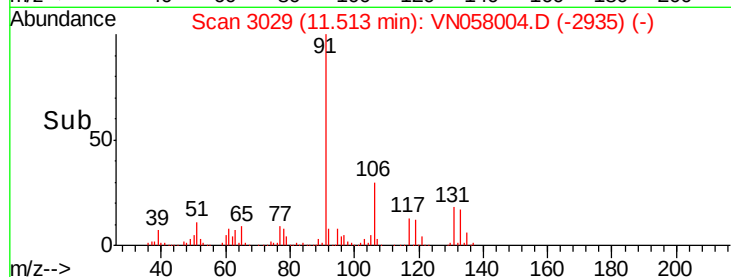
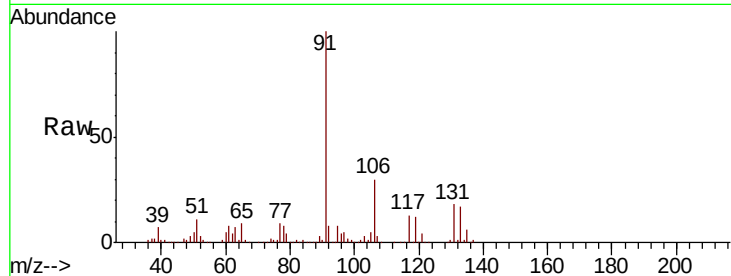




#67
Ethyl Benzene
Concen: 50.765 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

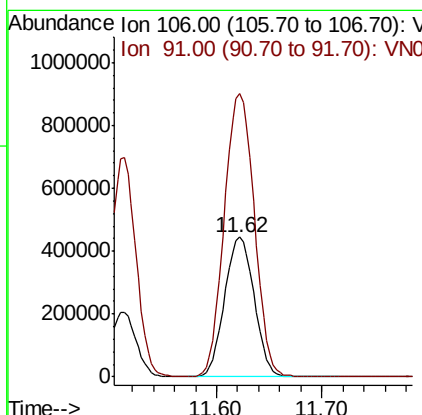
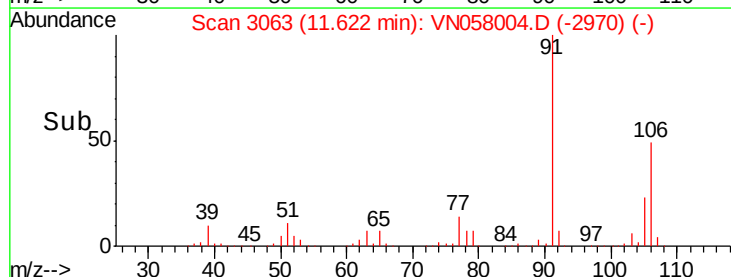
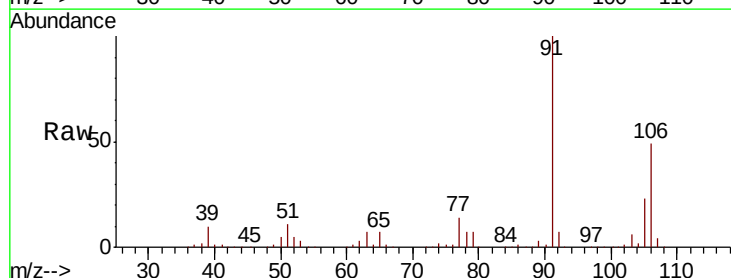
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

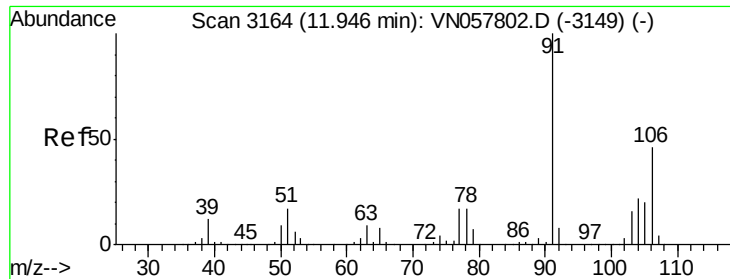
Tgt Ion: 91 Resp: 1175230
Ion Ratio Lower Upper
91 100
106 29.7 24.4 36.6



#68
m/p-Xylenes
Concen: 101.975 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 106 Resp: 864748
Ion Ratio Lower Upper
106 100
91 205.6 165.8 248.6

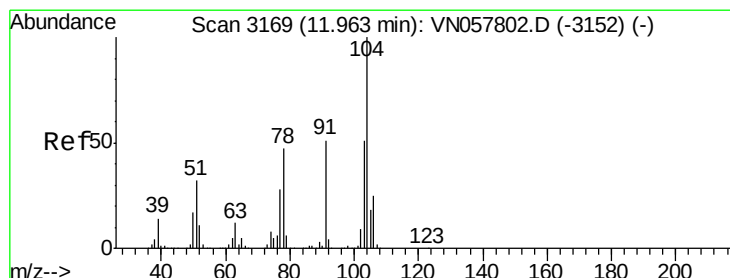
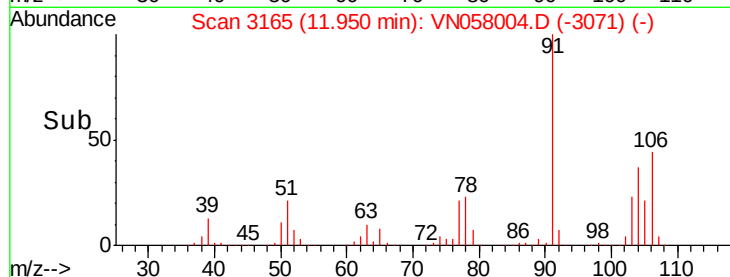
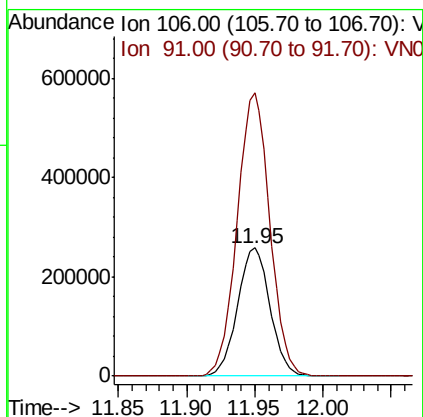
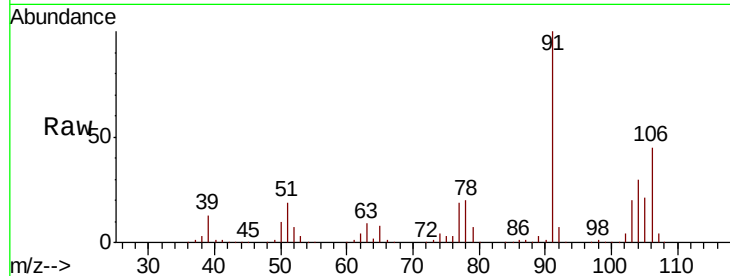




#69
o-Xylene
Concen: 50.469 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

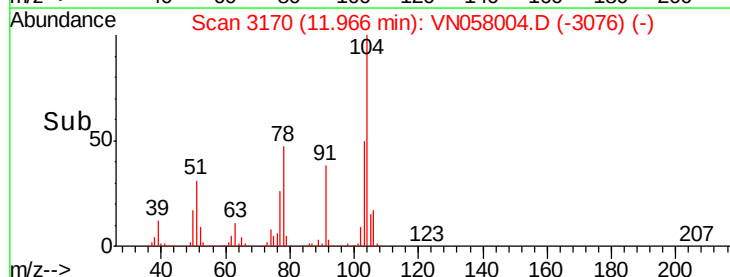
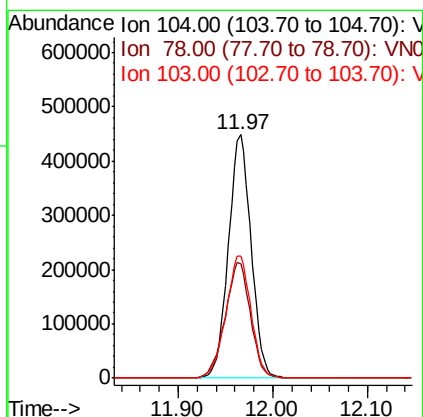
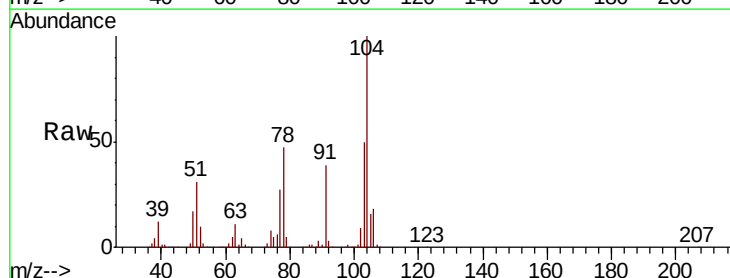
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

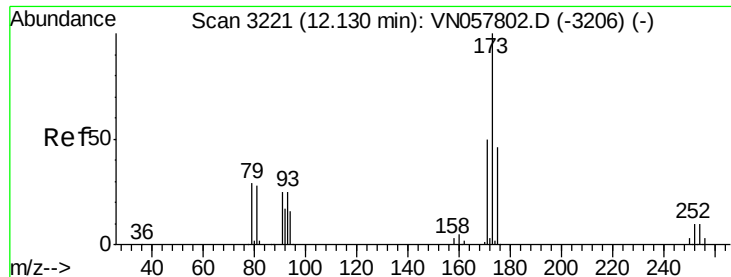
Tgt Ion:106 Resp: 425474
Ion Ratio Lower Upper
106 100
91 222.6 108.7 326.1



#70
Styrene
Concen: 51.720 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion:104 Resp: 750386
Ion Ratio Lower Upper
104 100
78 52.7 41.3 61.9
103 55.2 43.7 65.5





#71

Bromoform

Concen: 52.929 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

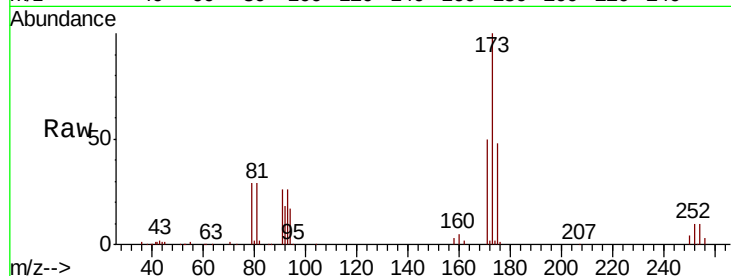
Tgt Ion:173 Resp: 151258

Ion Ratio Lower Upper

173 100

175 48.2 23.5 70.6

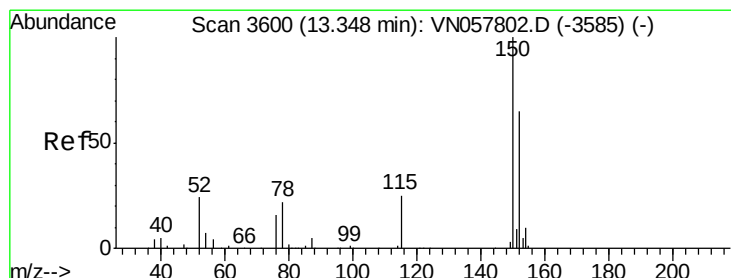
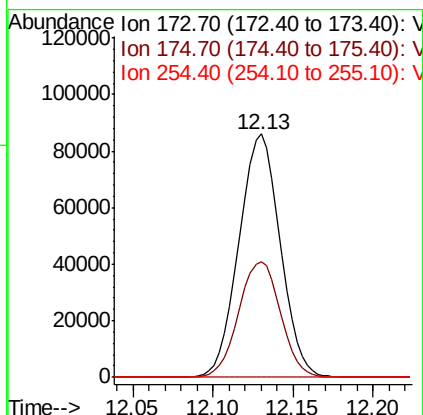
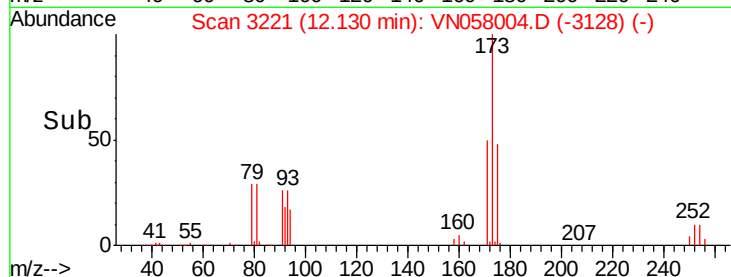
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

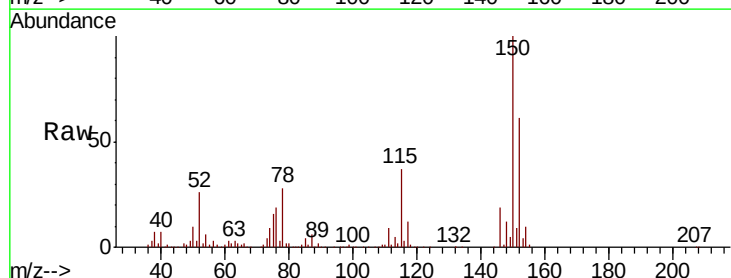
Tgt Ion:152 Resp: 304522

Ion Ratio Lower Upper

152 100

115 60.6 30.3 91.0

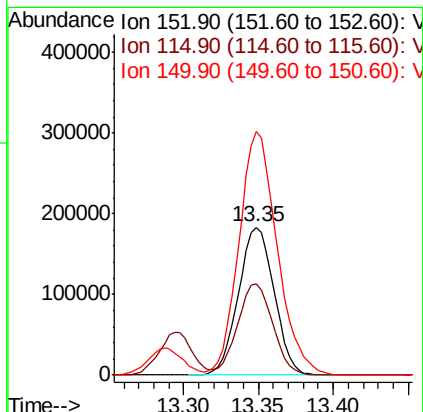
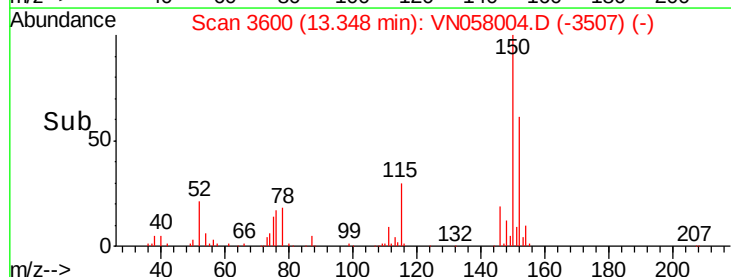
150 176.1 0.0 352.4

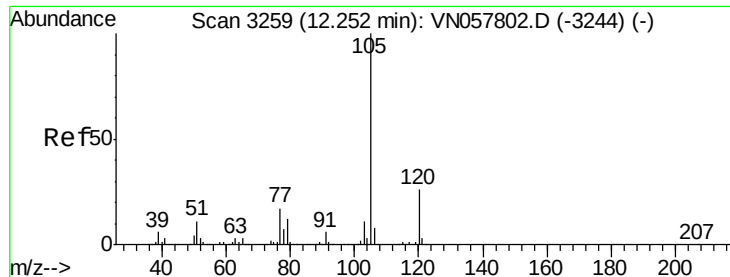


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.727 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

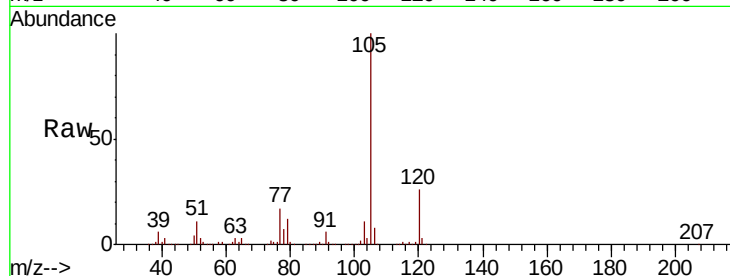
VSTDCCC050

Tgt Ion:105 Resp: 1198669

Ion Ratio Lower Upper

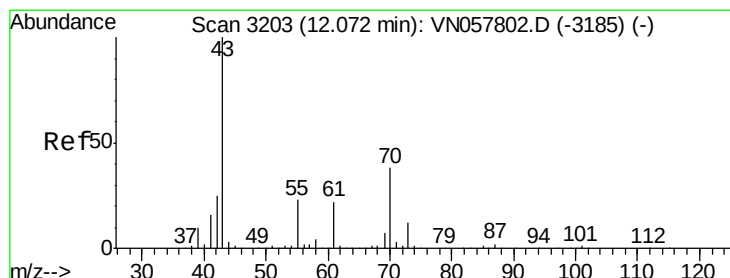
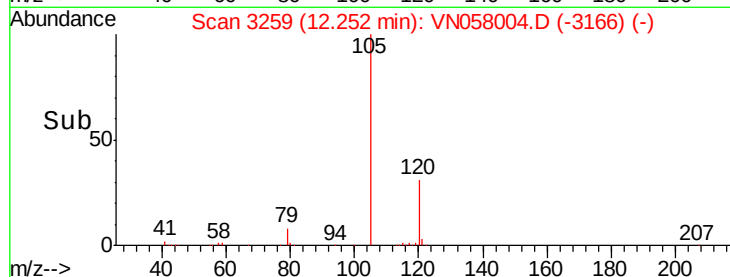
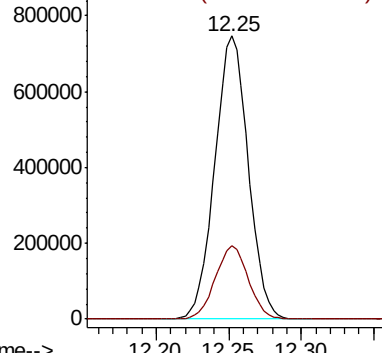
105 100

120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 48.679 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion: 43 Resp: 500606

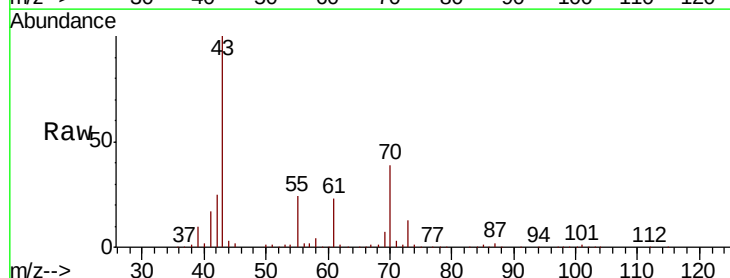
Ion Ratio Lower Upper

43 100

70 39.0 30.6 45.8

55 24.2 18.6 27.8

61 22.6 17.4 26.2

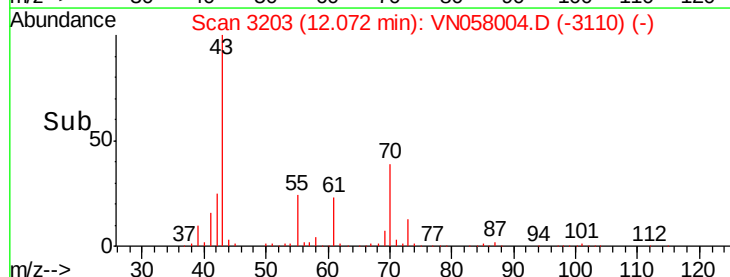
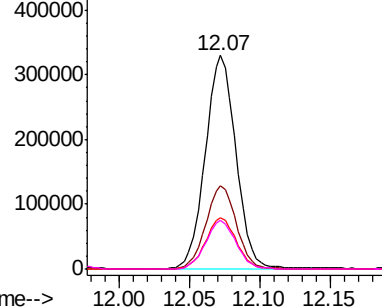


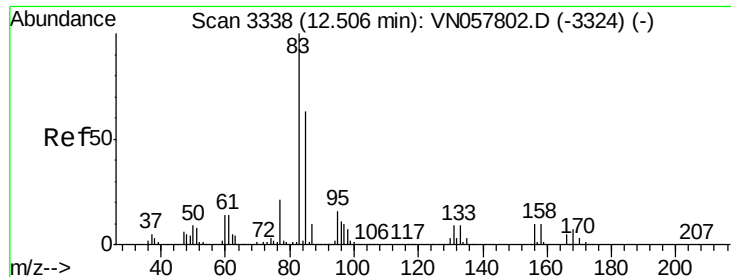
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.894 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

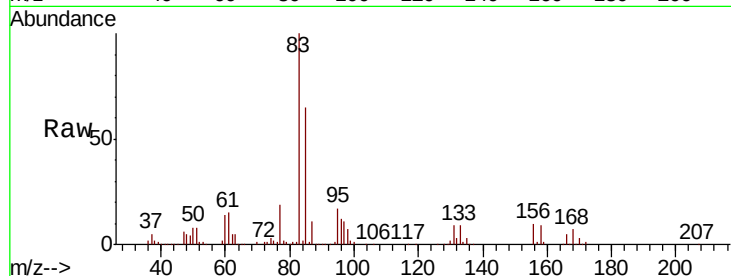
Tgt Ion: 83 Resp: 381055

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

85 64.4 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN058004.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058004.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058004.D (-3245) (-)

12.51

250000

200000

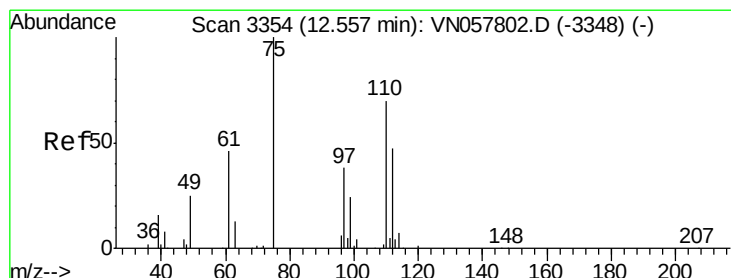
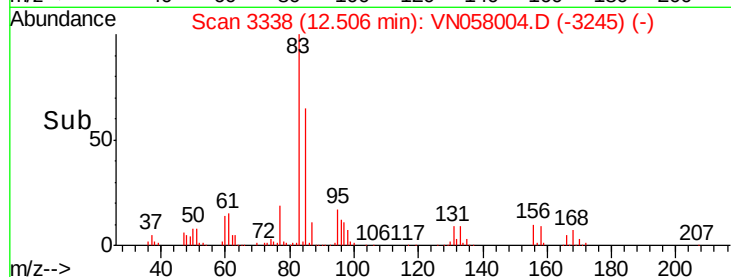
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.335 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058004.D

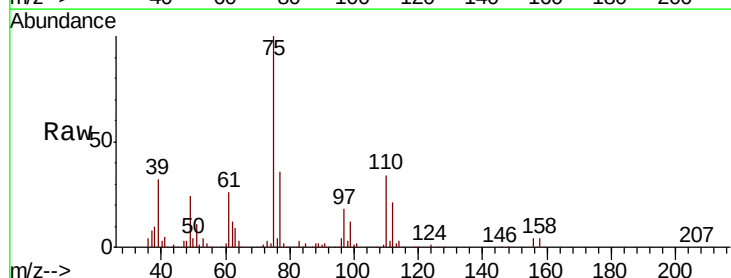
Acq: 13 Sep 2019 9:34

Tgt Ion: 75 Resp: 463856

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058004.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058004.D (-3261) (-)

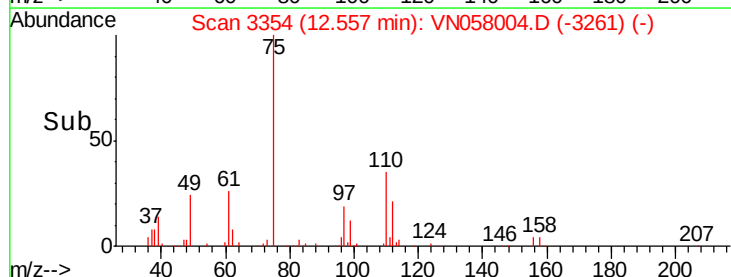
300000

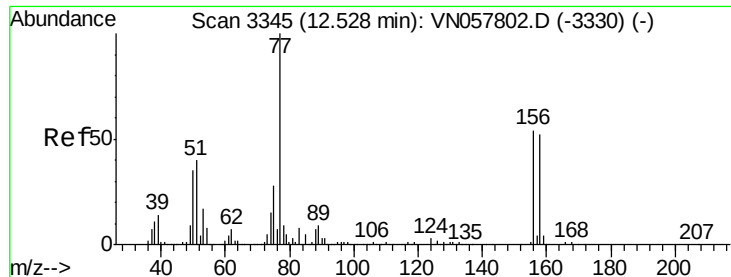
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 47.305 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

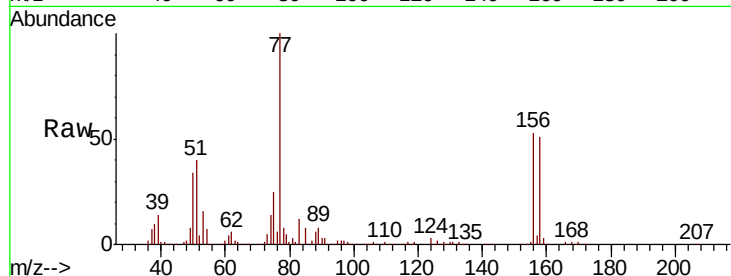
Tgt Ion:156 Resp: 278696

Ion Ratio Lower Upper

156 100

77 224.4 113.7 341.1

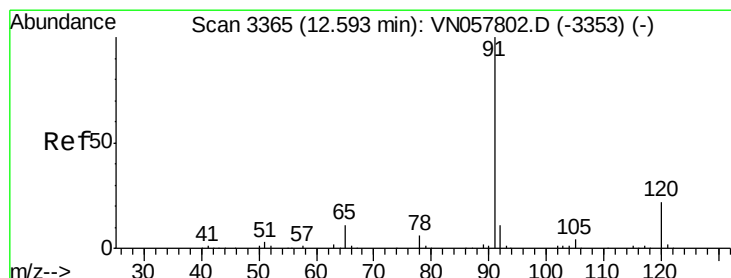
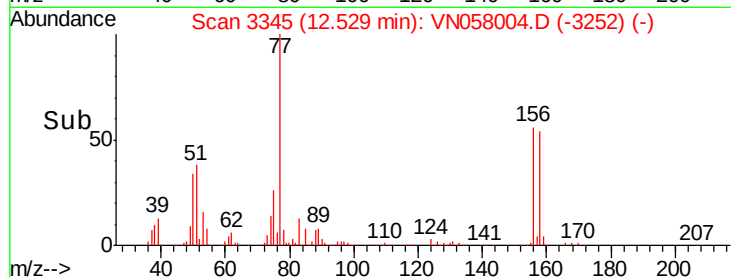
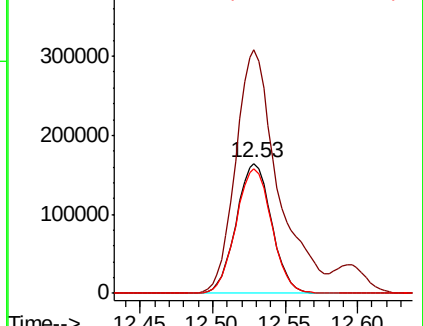
158 97.1 48.5 145.6



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: 52.283 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058004.D

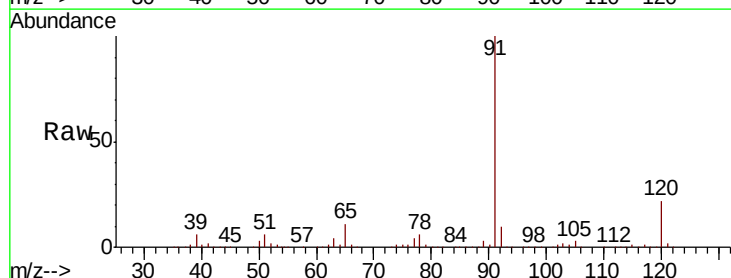
Acq: 13 Sep 2019 9:34

Tgt Ion: 91 Resp: 1418680

Ion Ratio Lower Upper

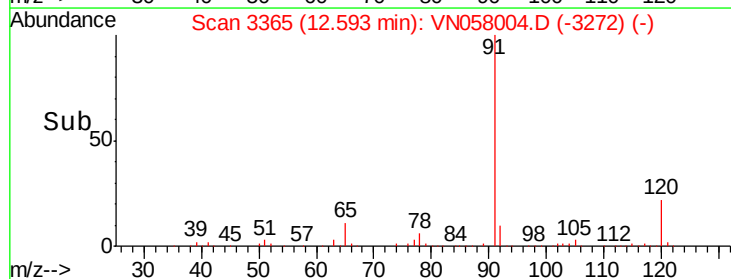
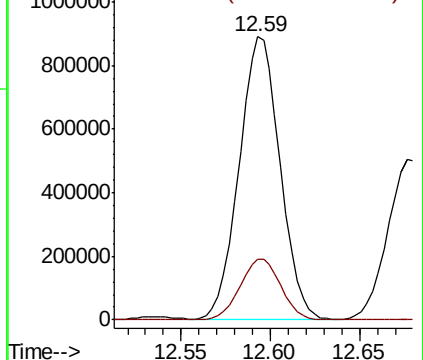
91 100

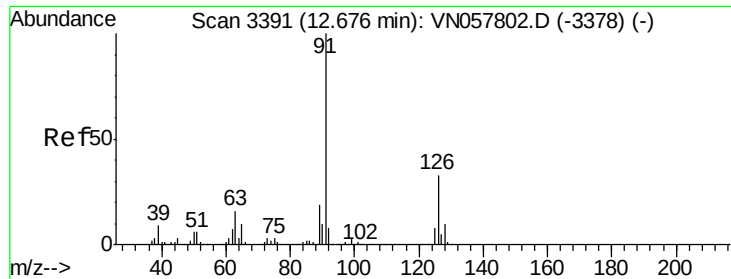
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

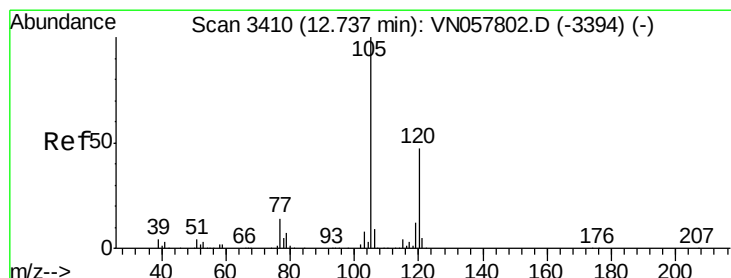
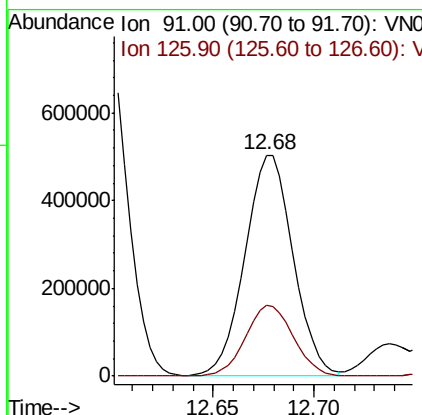
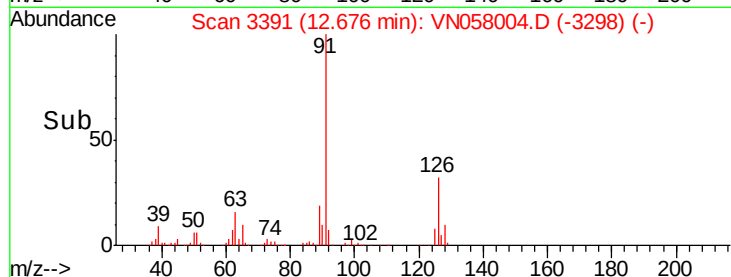
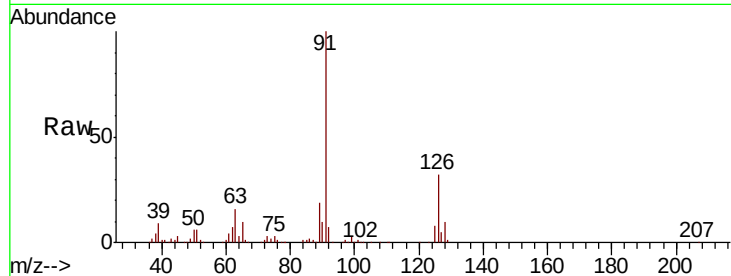




#79
 2-Chlorotoluene
 Concen: 48.823 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

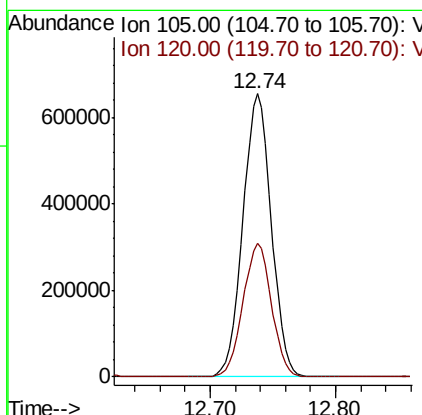
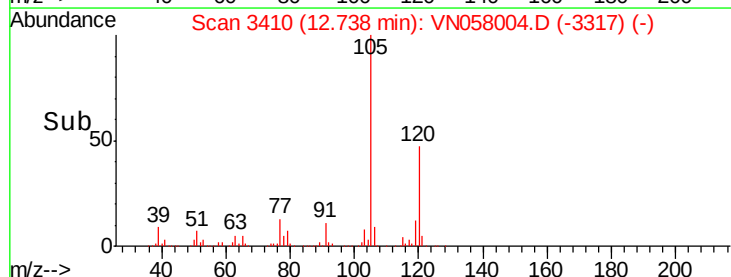
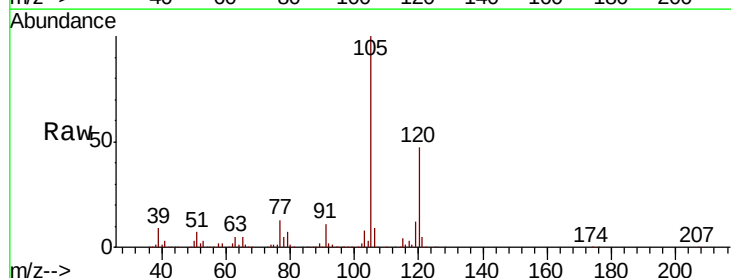
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

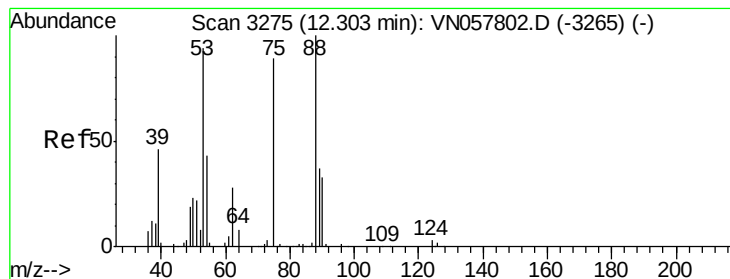
Tgt Ion: 91 Resp: 837300
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 51.480 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 105 Resp: 1027843
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.025 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

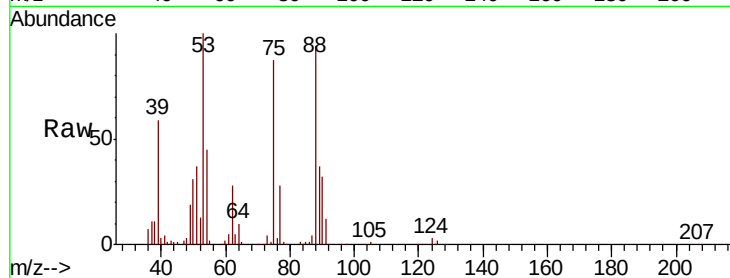
Tgt Ion: 75 Resp: 97929

Ion Ratio Lower Upper

75 100

53 115.8 88.4 132.6

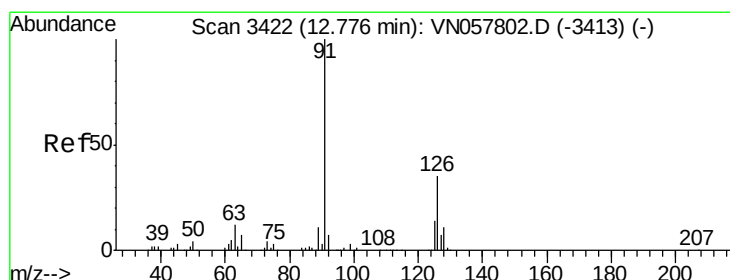
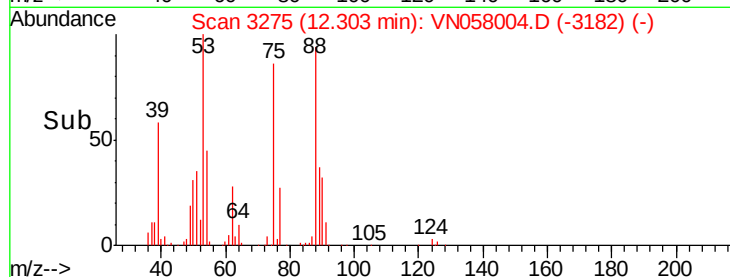
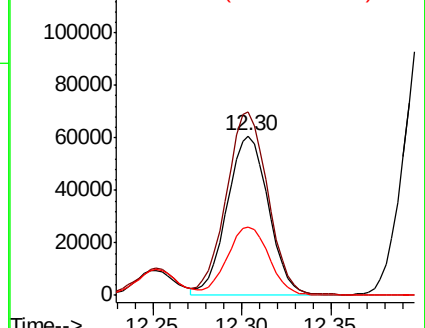
89 43.8 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.147 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058004.D

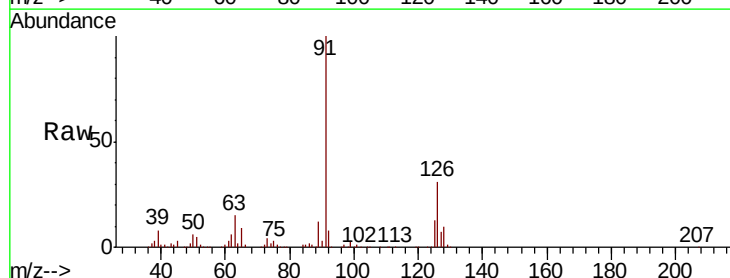
Acq: 13 Sep 2019 9:34

Tgt Ion: 91 Resp: 883166

Ion Ratio Lower Upper

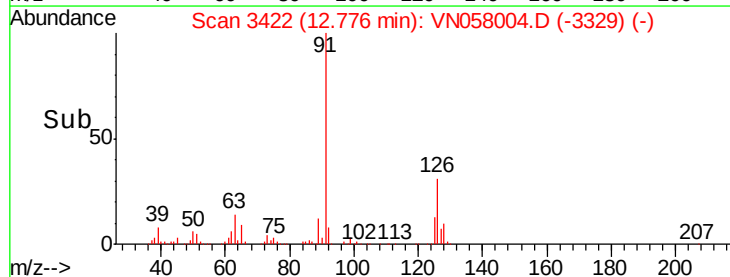
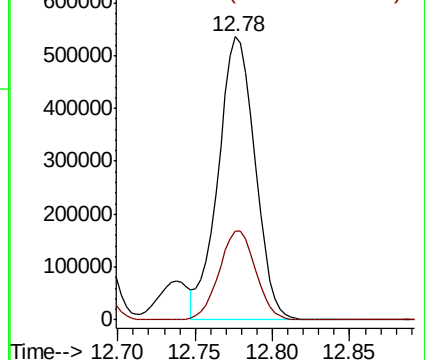
91 100

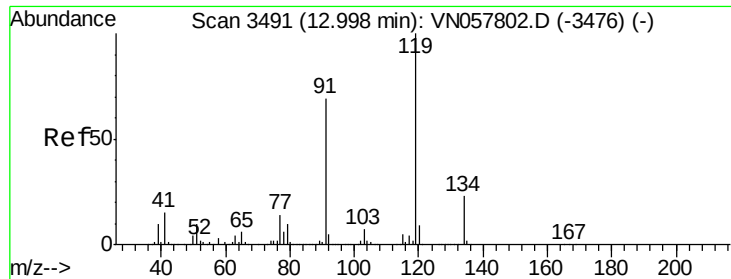
126 31.2 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

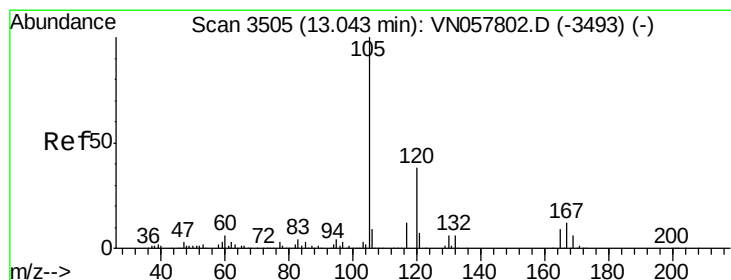
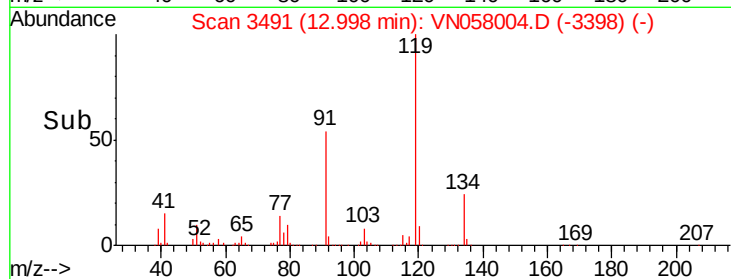
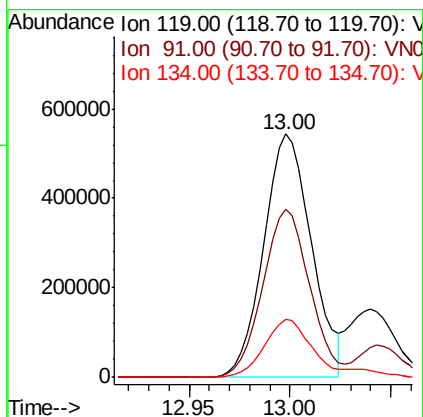
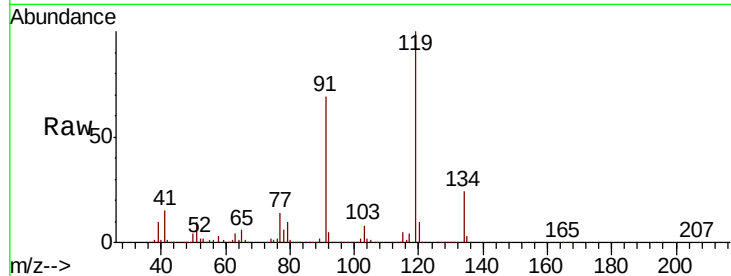




#83
 tert-Butylbenzene
 Concen: 50.441 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

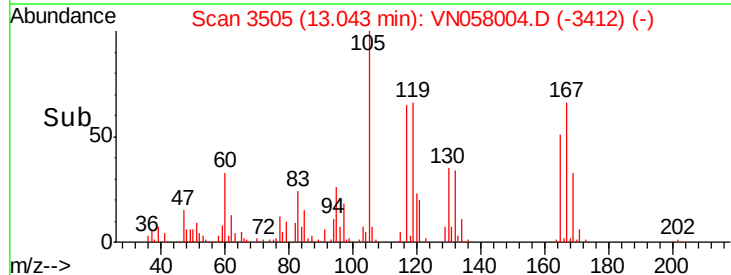
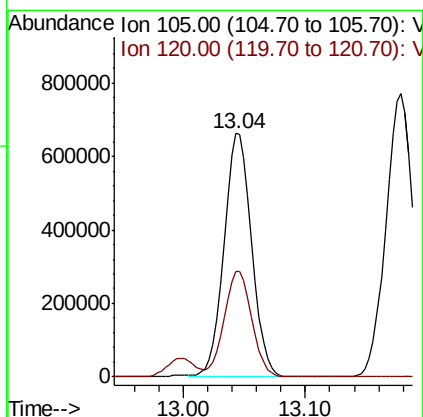
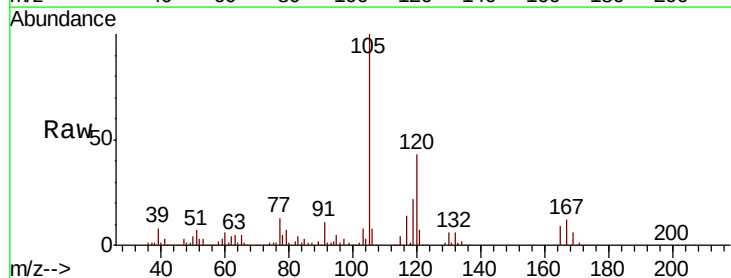
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

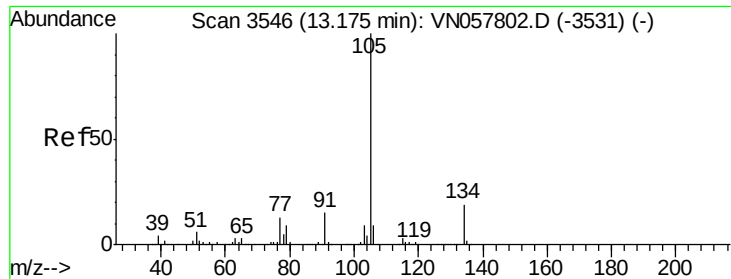
Tgt Ion:119 Resp: 895215
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.6 100.8
 134 23.3 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.739 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion:105 Resp: 1049914
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.4 67.2





#85

sec-Butylbenzene

Concen: 51.717 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

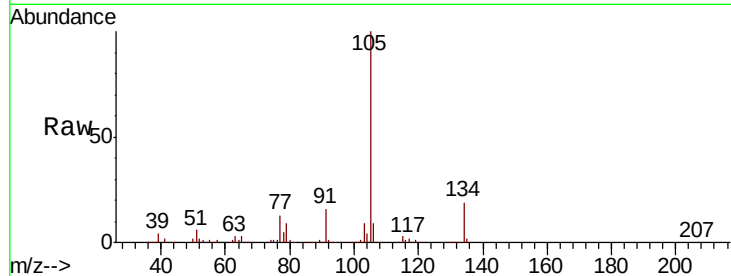
VSTDCCC050

Tgt Ion:105 Resp: 1216562

Ion Ratio Lower Upper

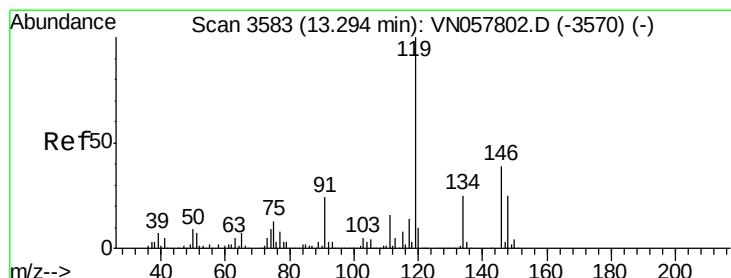
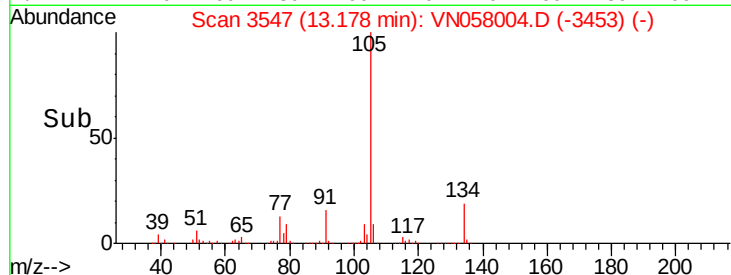
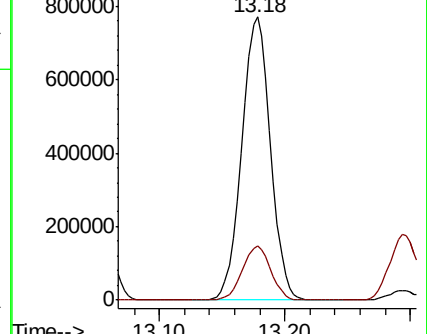
105 100

134 19.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.785 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

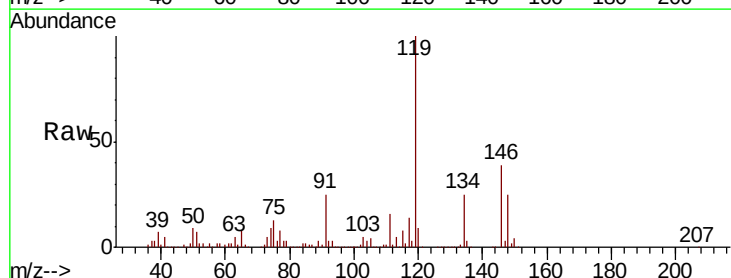
Tgt Ion:119 Resp: 1094050

Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

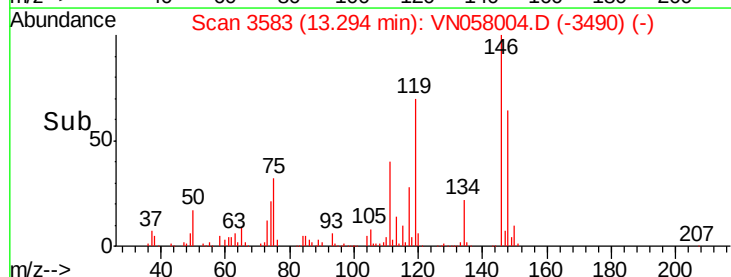
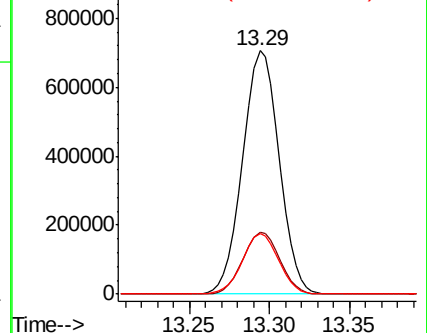
91 24.6 12.3 36.8

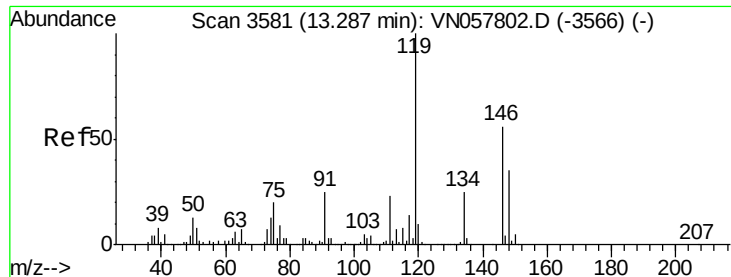


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.491 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

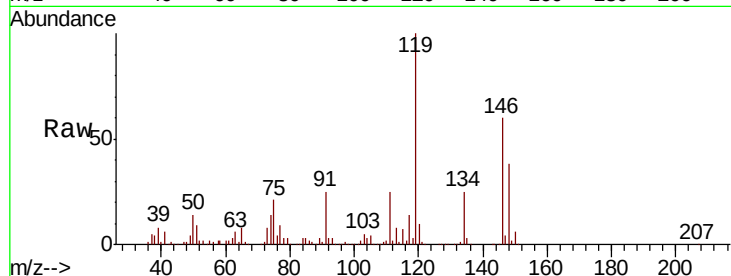
Tgt Ion:146 Resp: 535190

Ion Ratio Lower Upper

146 100

111 41.0 20.5 61.6

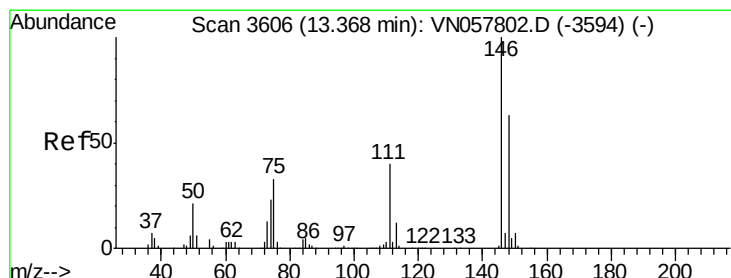
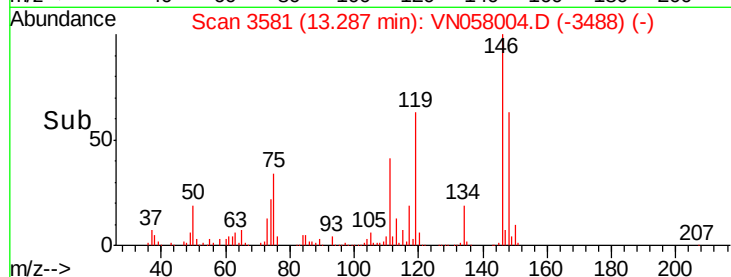
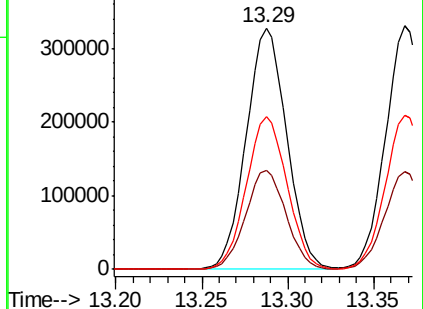
148 63.4 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.965 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

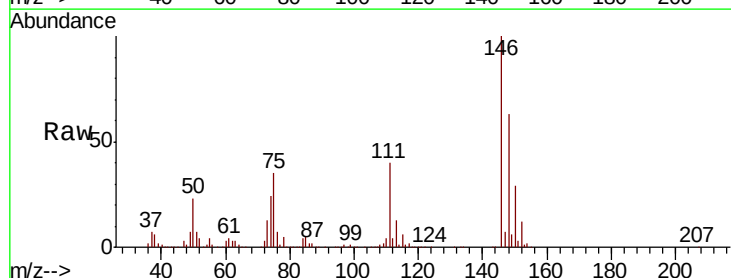
Tgt Ion:146 Resp: 537467

Ion Ratio Lower Upper

146 100

111 40.7 20.4 61.2

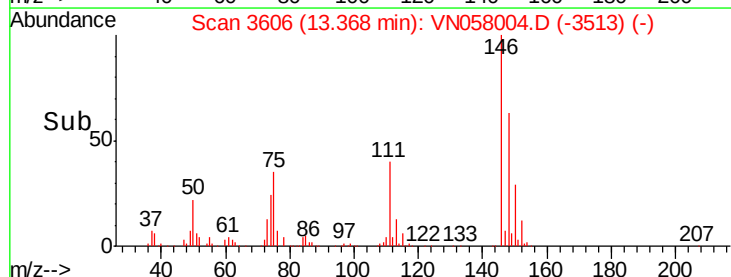
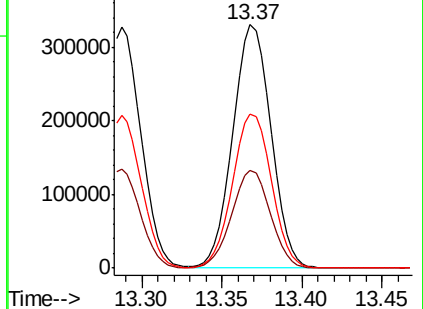
148 64.5 31.8 95.4

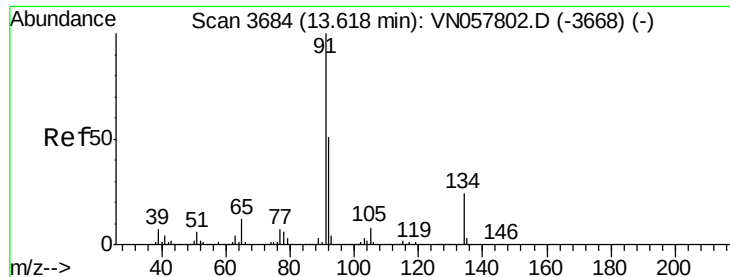


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.096 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

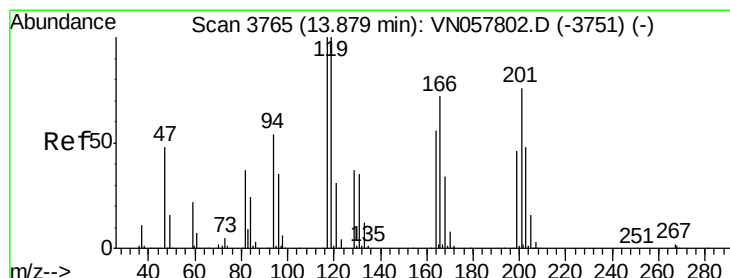
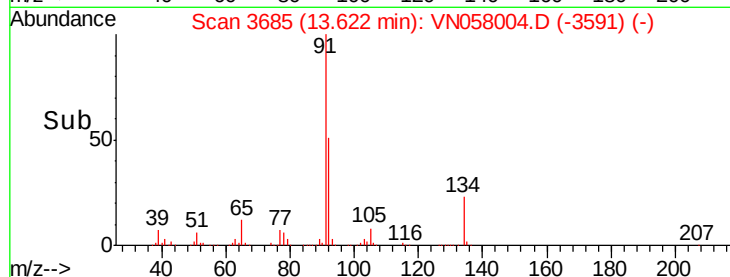
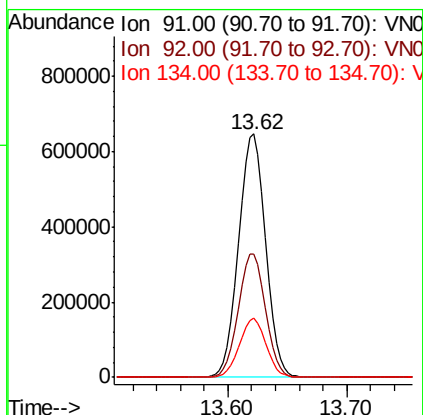
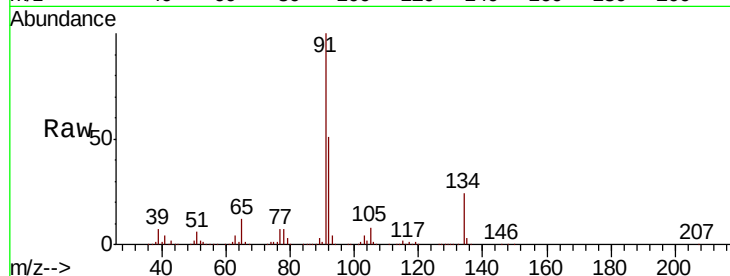
Tgt Ion: 91 Resp: 1019699

Ion Ratio Lower Upper

91 100

92 51.0 25.7 77.0

134 23.8 11.9 35.7



#90

Hexachloroethane

Concen: 51.516 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058004.D

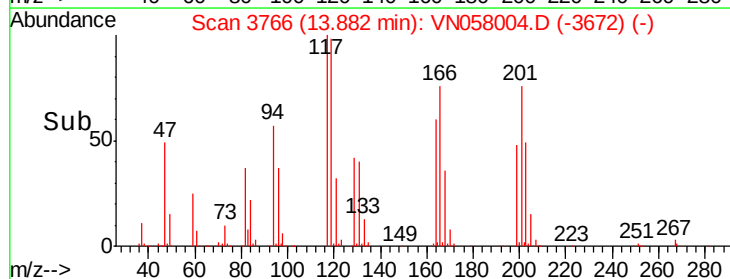
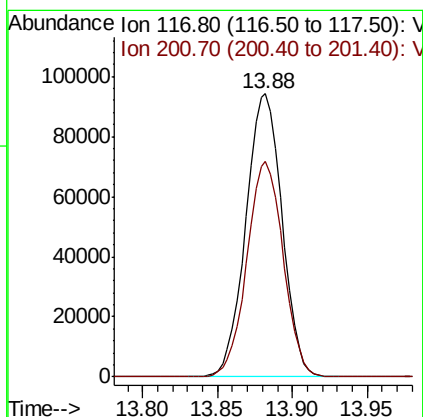
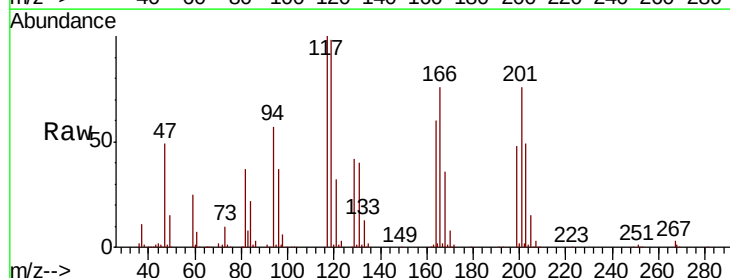
Acq: 13 Sep 2019 9:34

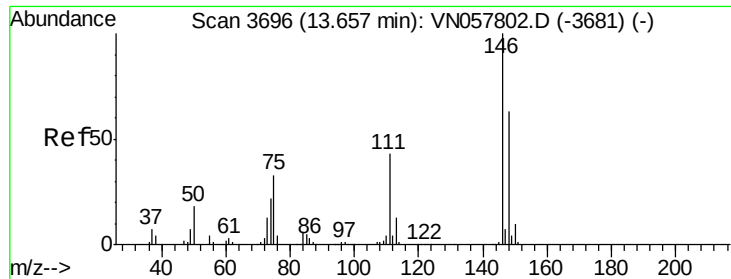
Tgt Ion: 117 Resp: 158796

Ion Ratio Lower Upper

117 100

201 76.1 37.5 112.7

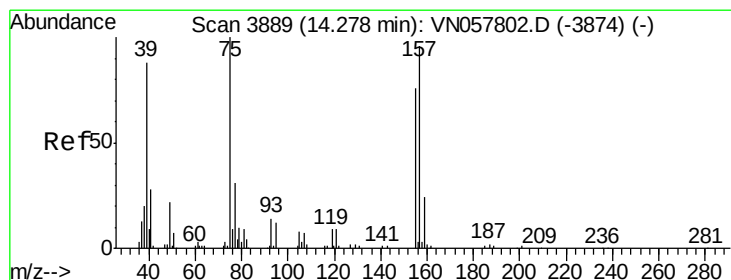
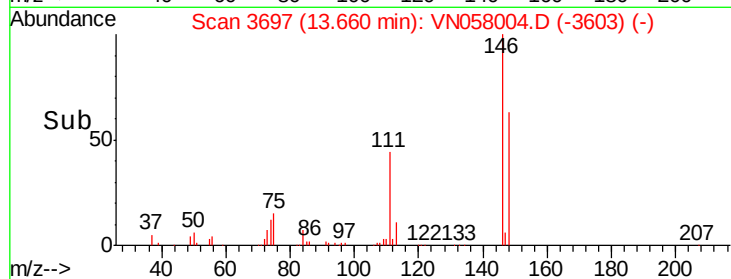
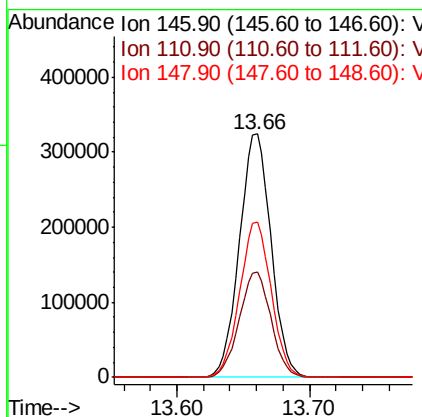
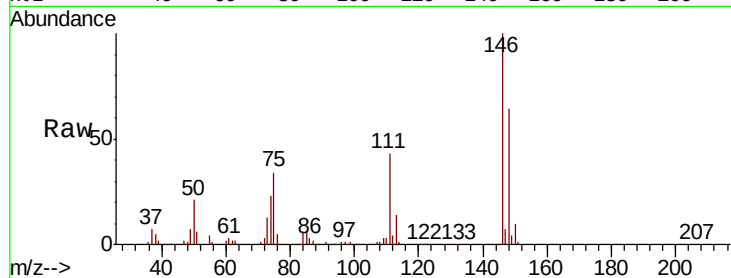




#91
 1,2-Dichlorobenzene
 Concen: 49.872 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

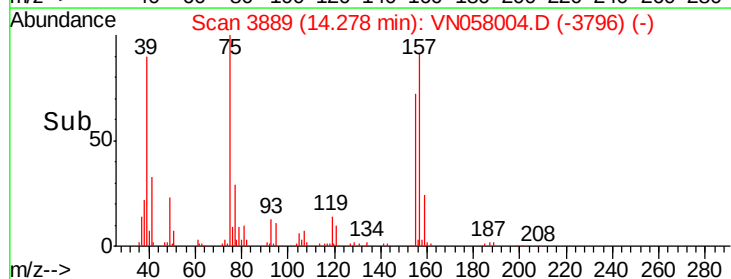
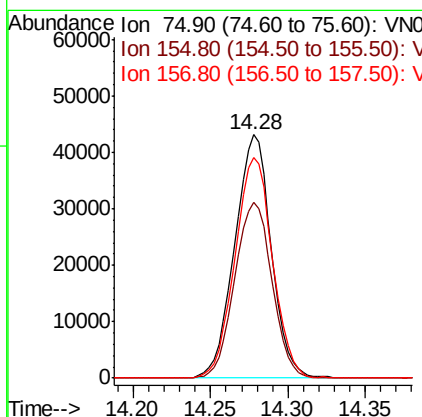
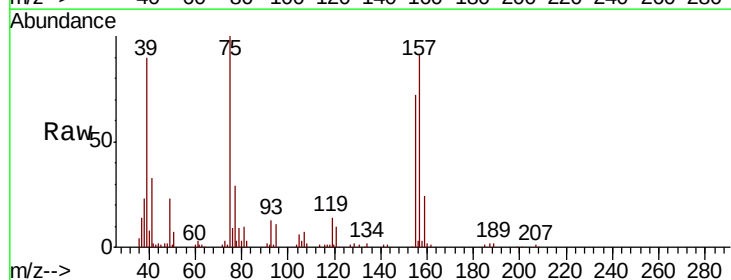
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

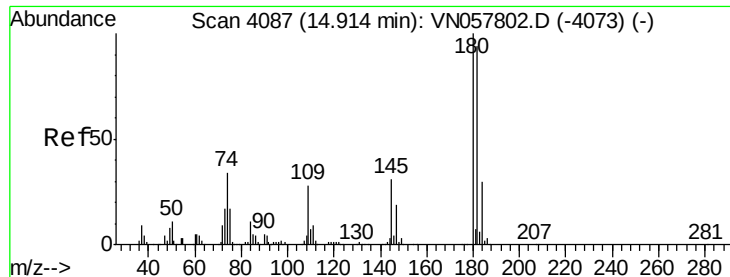
Tgt Ion: 146 Resp: 538786
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.3 63.9
 148 63.6 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.895 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 75 Resp: 70814
 Ion Ratio Lower Upper
 75 100
 155 73.6 37.3 111.8
 157 92.8 47.9 143.8

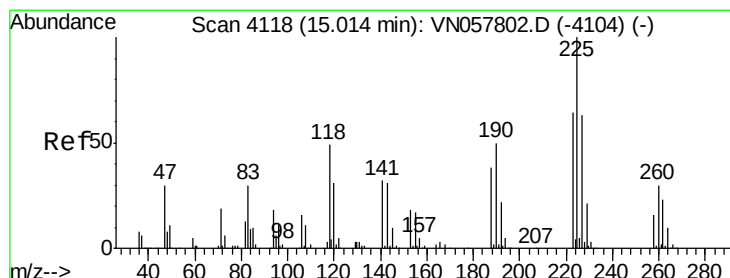
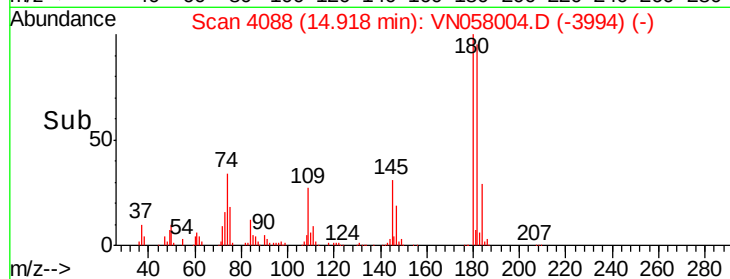
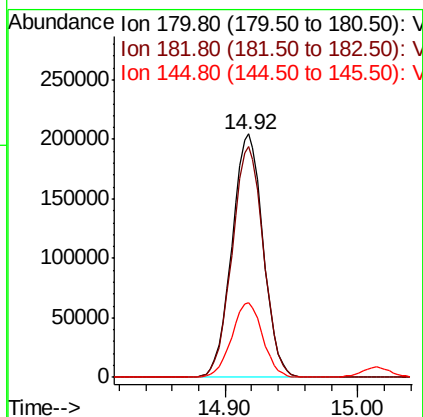
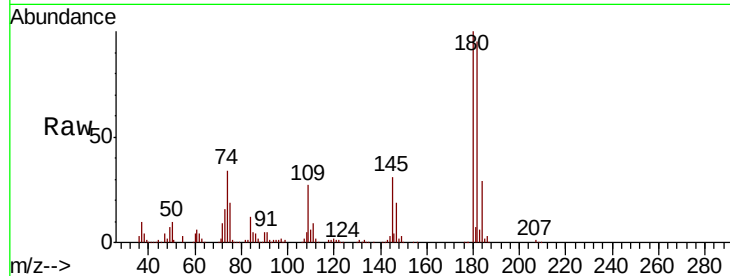




#93
 1,2,4-Trichlorobenzene
 Concen: 47.198 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

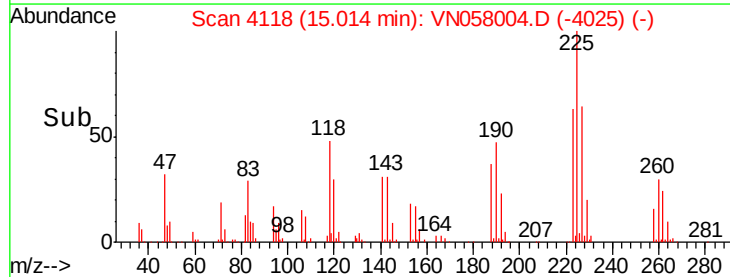
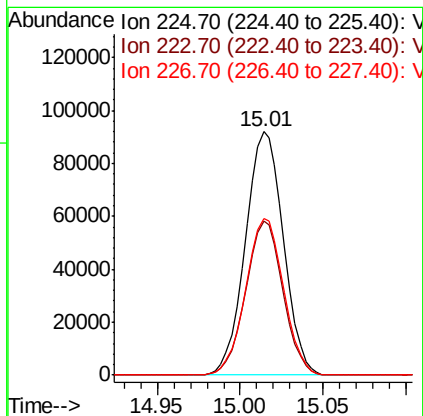
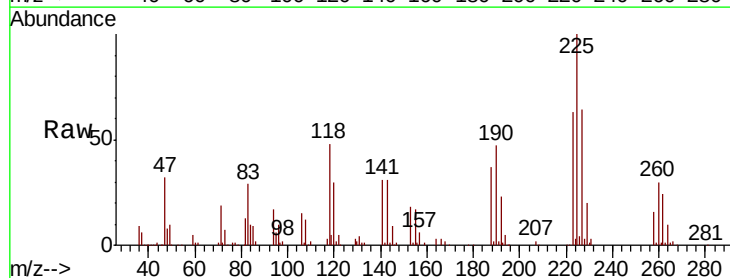
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

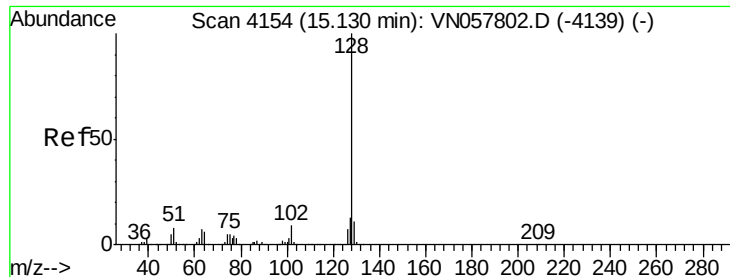
Tgt Ion:180 Resp: 333279
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.8
 145 30.6 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 48.942 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion:225 Resp: 146498
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.4 97.2
 227 64.3 31.8 95.4





#95

Naphthalene

Concen: 52.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

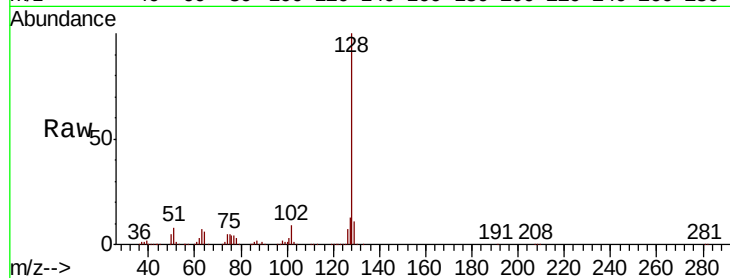
Tgt Ion:128 Resp: 930424

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

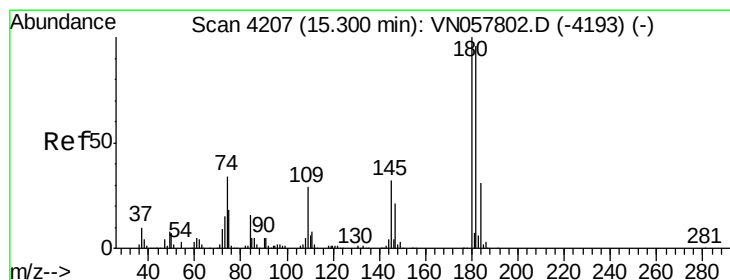
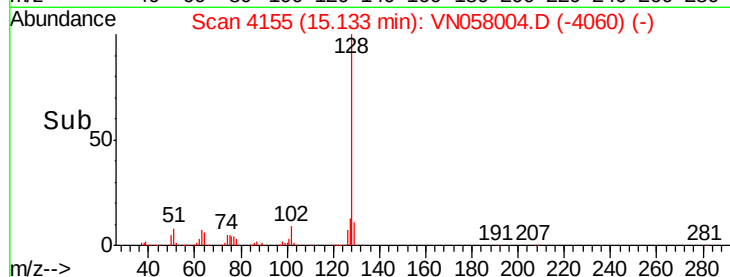
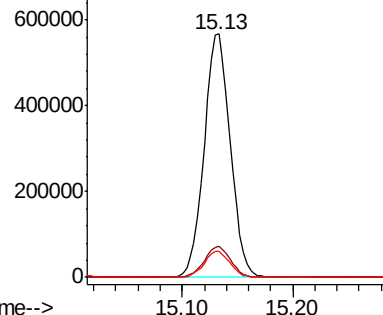
129 10.6 8.6 12.8



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: 51.212 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

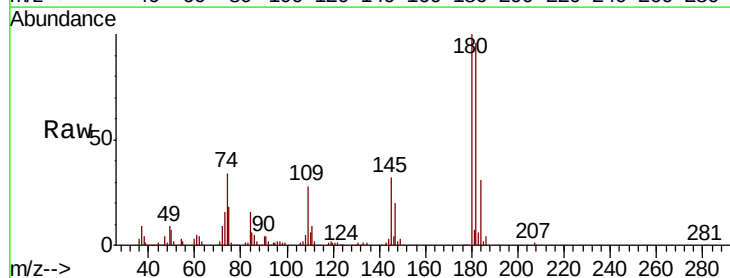
Tgt Ion:180 Resp: 315855

Ion Ratio Lower Upper

180 100

182 95.9 48.3 144.8

145 31.7 16.3 48.8



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

