

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058305.D
 Acq On : 23 Sep 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 01:36:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	433907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	742754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	692094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	322615	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	7.58	113	227596	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	898540	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.41	95	333205	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153918	43.181	ug/l	97
3) Chloromethane	2.04	50	133613	48.602	ug/l	98
4) Vinyl Chloride	2.17	62	147981	49.240	ug/l	100
5) Bromomethane	2.54	94	79054	49.710	ug/l	97
6) Chloroethane	2.68	64	103452	53.890	ug/l	99
7) Trichlorofluoromethane	3.00	101	218732	44.958	ug/l	99
8) Diethyl Ether	3.39	74	106445	47.749	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	163407	46.584	ug/l	98
10) Methyl Iodide	3.93	142	145442	49.481	ug/l	99
11) Tert butyl alcohol	4.76	59	204855	284.962	ug/l	99
12) 1,1-Dichloroethene	3.72	96	131475	49.384	ug/l	93
13) Acrolein	3.59	56	51250	481.057	ug/l	100
14) Allyl chloride	4.30	41	273724	47.688	ug/l	99
15) Acrylonitrile	4.96	53	562496	293.683	ug/l	99
16) Acetone	3.80	43	494378	240.996	ug/l	99
17) Carbon Disulfide	4.03	76	151245	40.416	ug/l	99
18) Methyl Acetate	4.30	43	299879	55.555	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	699089	52.839	ug/l	99
20) Methylene Chloride	4.53	84	188345	52.452	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	142117	48.984	ug/l	97
22) Diisopropyl ether	5.93	45	767462	52.636	ug/l	97
23) Vinyl Acetate	5.87	43	2805257	281.174	ug/l	100
24) 1,1-Dichloroethane	5.83	63	392907	50.489	ug/l	99
25) 2-Butanone	6.81	43	793452	283.905	ug/l	99
26) 2,2-Dichloropropane	6.81	77	289258	43.814	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	218920	49.752	ug/l	99
28) Bromochloromethane	7.18	49	202952	55.130	ug/l	98
29) Tetrahydrofuran	7.19	42	488821	283.949	ug/l	100
30) Chloroform	7.36	83	426909	50.964	ug/l	98
31) Cyclohexane	7.64	56	236963	46.961	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	328444	51.505	ug/l	99
36) 1,1-Dichloropropene	7.78	75	237450	44.330	ug/l	99
37) Ethyl Acetate	6.91	43	311489	56.036	ug/l	98
38) Carbon Tetrachloride	7.76	117	253555	47.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	227860	44.006	ug/l	97
40) Benzene	8.03	78	797676	48.757	ug/l	99
41) Methacrylonitrile	7.19	41	474378	167.225	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	343891	50.095	ug/l	100
43) Isopropyl Acetate	8.15	43	544352	52.435	ug/l	100
44) Trichloroethene	8.82	130	192078	47.977	ug/l	100
45) 1,2-Dichloropropane	9.11	63	247730	50.704	ug/l	98
46) Dibromomethane	9.20	93	151568	51.025	ug/l	97
47) Bromodichloromethane	9.40	83	327337	52.601	ug/l	100
48) Methyl methacrylate	9.19	41	259194	54.988	ug/l	99
49) 1,4-Dioxane	9.19	88	90080	1163.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1734126	314.484	ug/l	99
52) Toluene	10.15	92	500644	48.829	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	334950	52.545	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	358538	50.944	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249265	54.783	ug/l	99
56) Ethyl methacrylate	10.43	69	365782	55.717	ug/l	99
57) 1,3-Dichloropropane	10.71	76	411181	52.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	896767	286.776	ug/l	100
59) 2-Hexanone	10.75	43	1257694	307.103	ug/l	99
60) Dibromochloromethane	10.90	129	237610	54.281	ug/l	99
61) 1,2-Dibromoethane	11.00	107	220942	52.397	ug/l	98
64) Tetrachloroethene	10.63	164	154311	45.738	ug/l	98
65) Chlorobenzene	11.44	112	588915	48.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	229345	51.957	ug/l	100
67) Ethyl Benzene	11.51	91	1046454	50.168	ug/l	100
68) m/p-Xylenes	11.62	106	760410	96.792	ug/l	97
69) o-Xylene	11.95	106	388563	50.300	ug/l	99
70) Styrene	11.97	104	684630	51.438	ug/l	99
71) Bromoform	12.13	173	153240	47.053	ug/l #	100
73) Isopropylbenzene	12.25	105	1095859	51.354	ug/l	99
74) N-amyl acetate	12.08	43	511746	57.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	399743	55.939	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	468997	76.867	ug/l #	100
77) Bromobenzene	12.53	156	259262	48.300	ug/l	96
78) n-propylbenzene	12.60	91	1286133	53.038	ug/l	99
79) 2-Chlorotoluene	12.68	91	775621	51.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	945715	52.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	92989	45.896	ug/l	96
82) 4-Chlorotoluene	12.78	91	813276	51.052	ug/l	99
83) tert-Butylbenzene	13.00	119	839649	52.177	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	967782	53.892	ug/l	99
85) sec-Butylbenzene	13.18	105	1111430	52.816	ug/l	100
86) p-Isopropyltoluene	13.30	119	990422	52.942	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	500805	51.081	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	499847	49.939	ug/l	99
89) n-Butylbenzene	13.62	91	890704	50.219	ug/l	99
90) Hexachloroethane	13.88	117	154993	47.402	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	508283	51.683	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74913	58.229	ug/l	97

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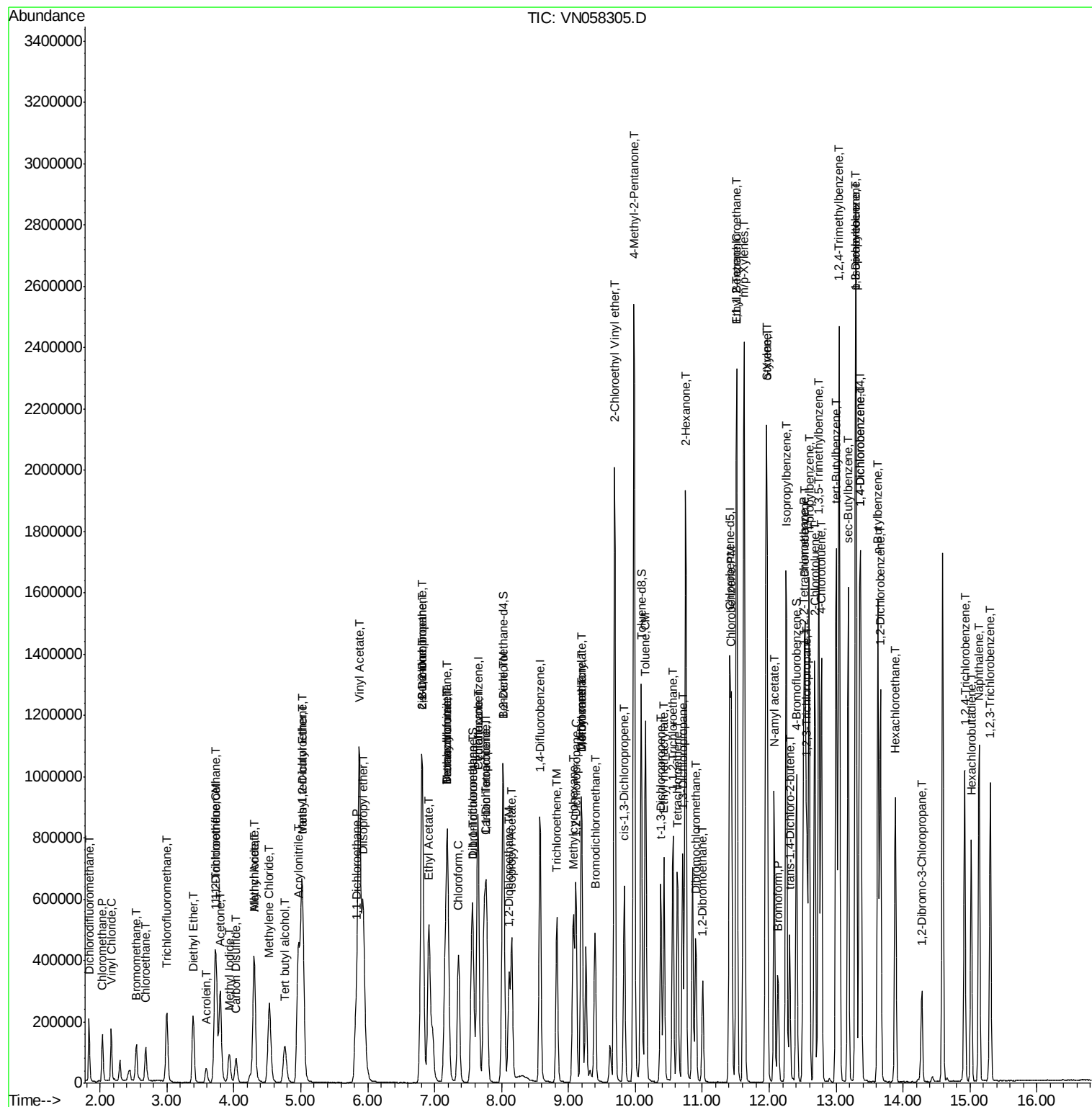
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	302777	48.185	ug/l	99
94) Hexachlorobutadiene	15.02	225	137211	45.179	ug/l	97
95) Naphthalene	15.14	128	872390	53.572	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	289282	48.708	ug/l	100

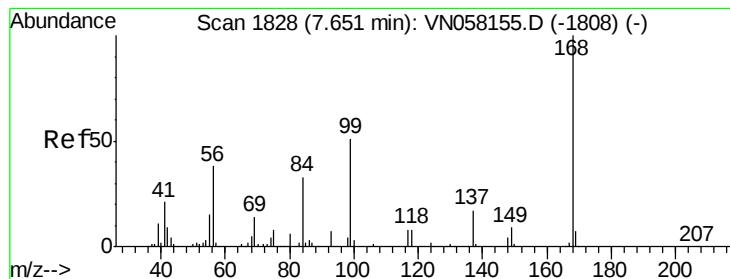
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058305.D

Acq: 23 Sep 2019 19:57

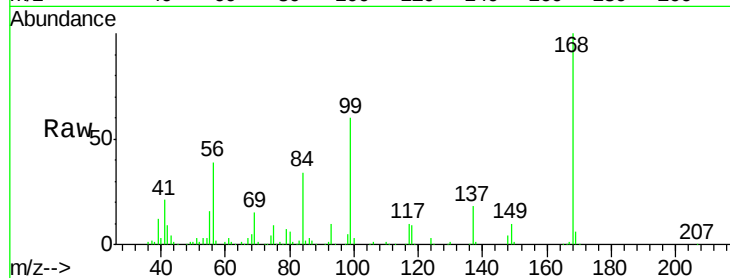
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 433907

Ion Ratio Lower Upper

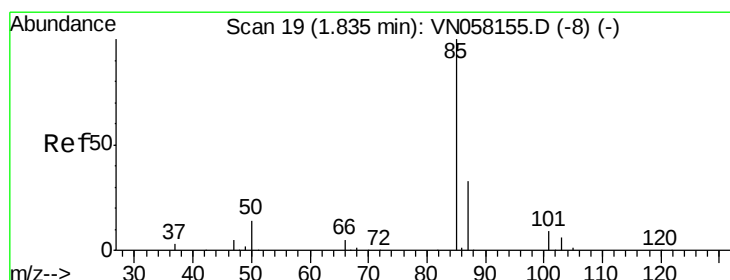
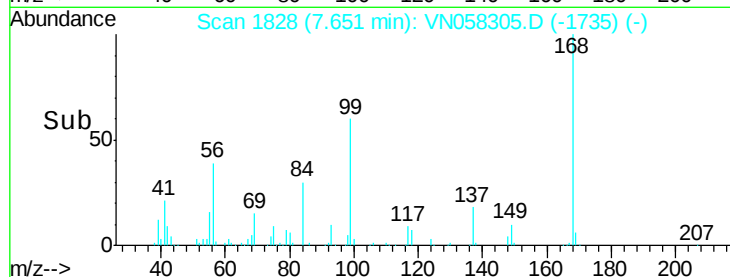
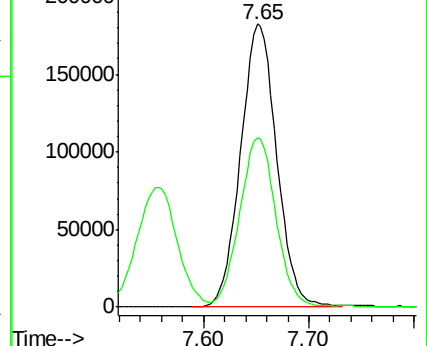
168 100

99 59.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.181 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058305.D

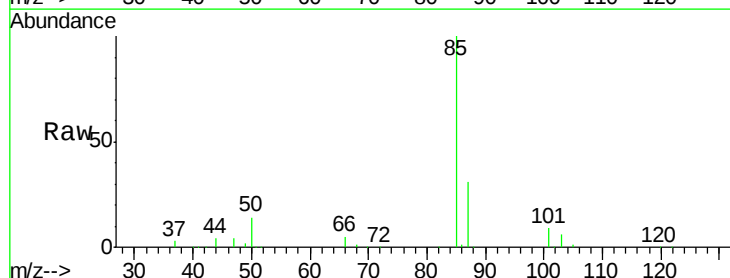
Acq: 23 Sep 2019 19:57

Tgt Ion: 85 Resp: 153918

Ion Ratio Lower Upper

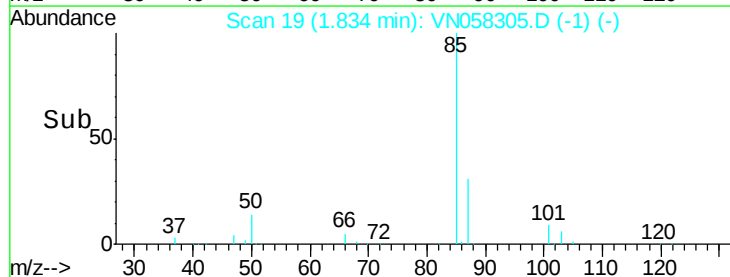
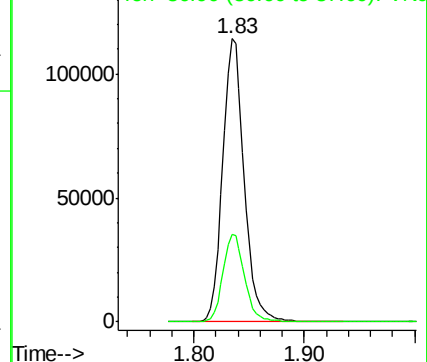
85 100

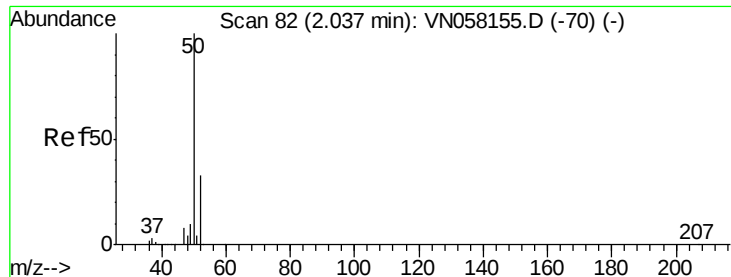
87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.602 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

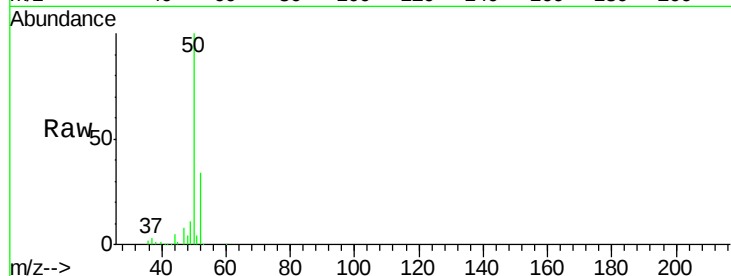
ClientSampleId :

Tot Ion: 50 Resp: 133613

Ion Ratio Lower Upper

50 100

52 33.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

100000

80000

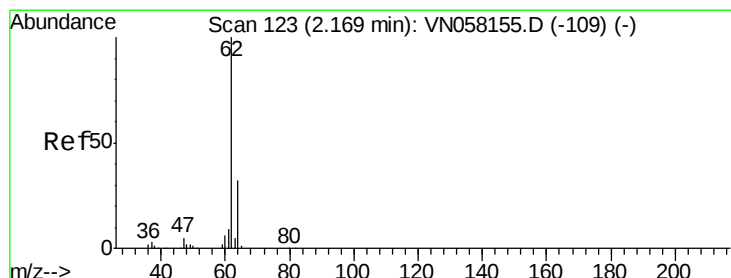
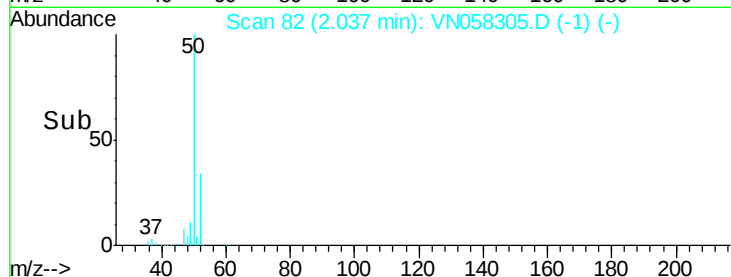
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 49.240 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058305.D

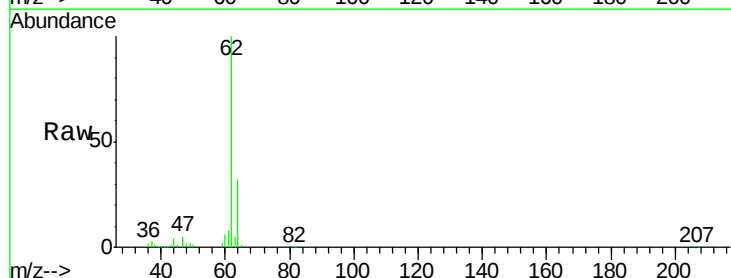
Acq: 23 Sep 2019 19:57

Tgt Ion: 62 Resp: 147981

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

120000

100000

80000

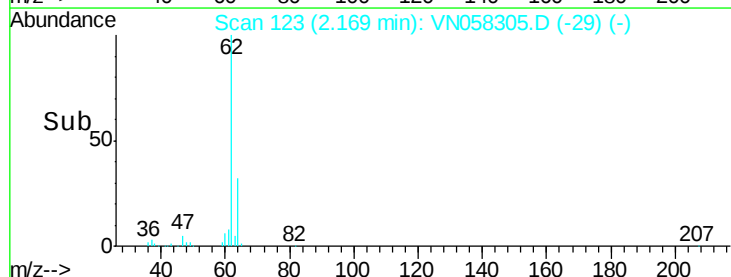
60000

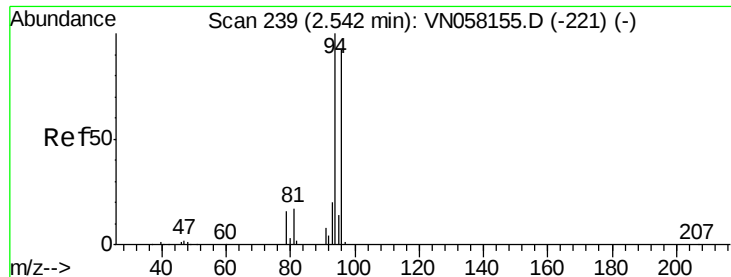
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 49.710 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

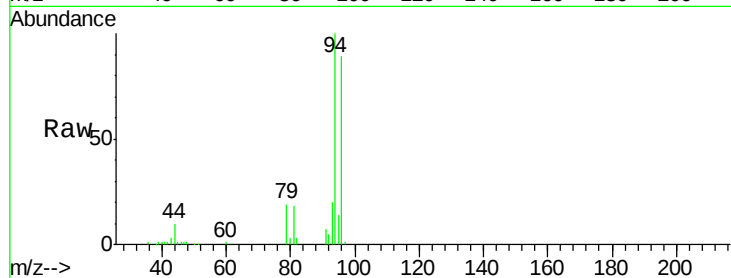
ClientSampleId :

Tot Ion: 94 Resp: 79054

Ion Ratio Lower Upper

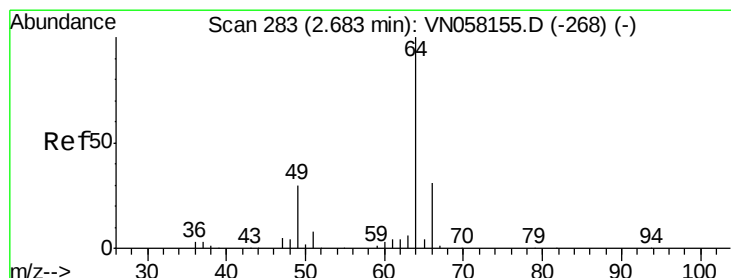
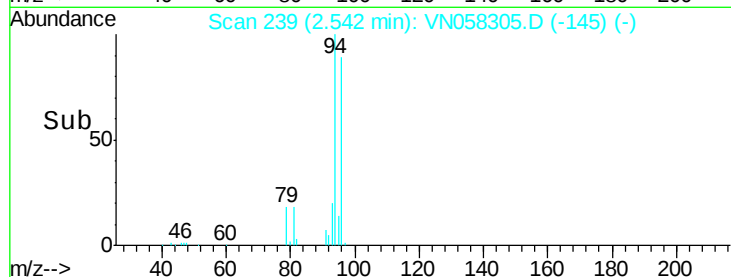
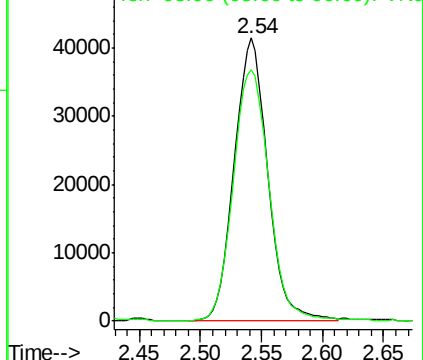
94 100

96 88.8 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 53.890 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058305.D

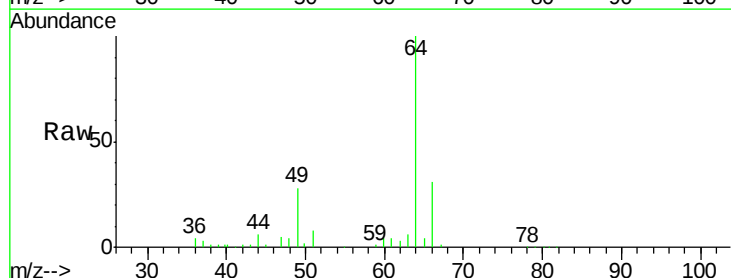
Acq: 23 Sep 2019 19:57

Tgt Ion: 64 Resp: 103452

Ion Ratio Lower Upper

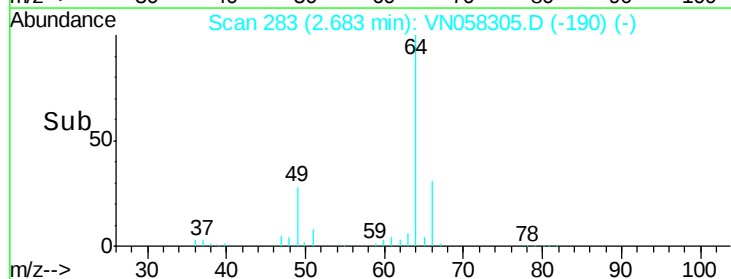
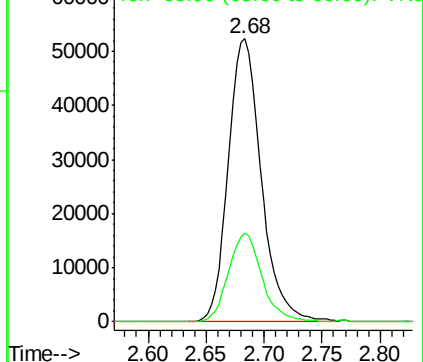
64 100

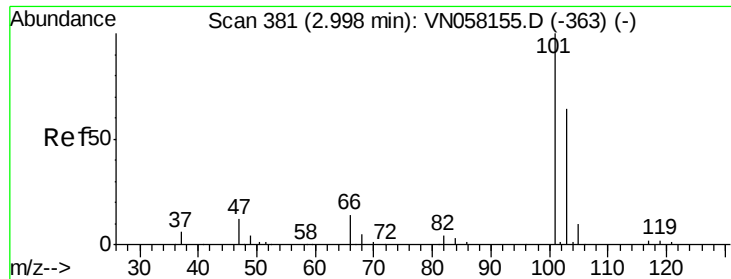
66 31.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



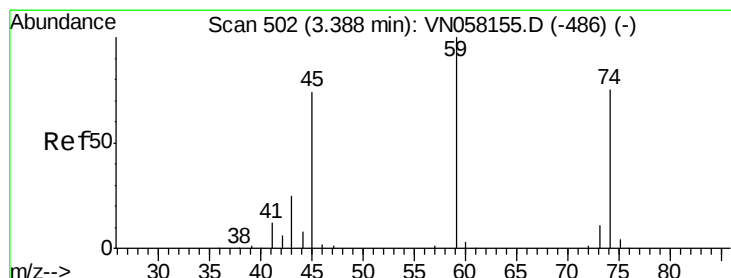
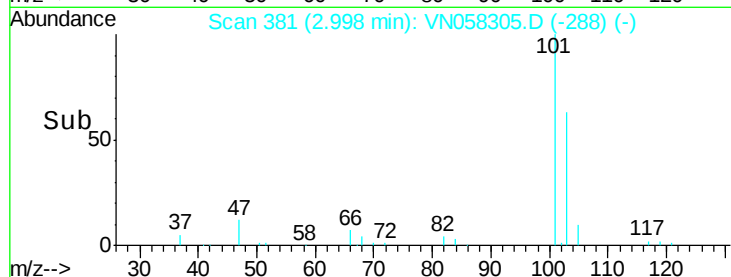
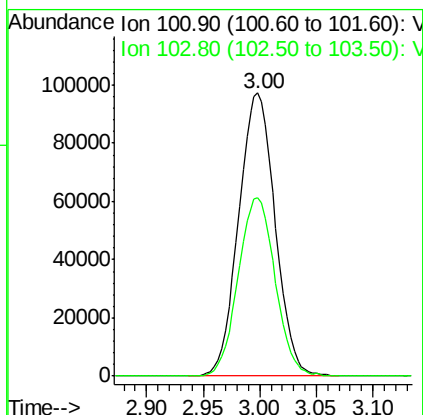
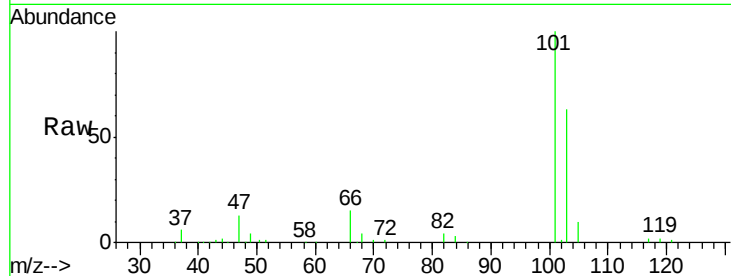


#7

Trichlorofluoromethane
 Concen: 44.958 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058305.D
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Instrument :
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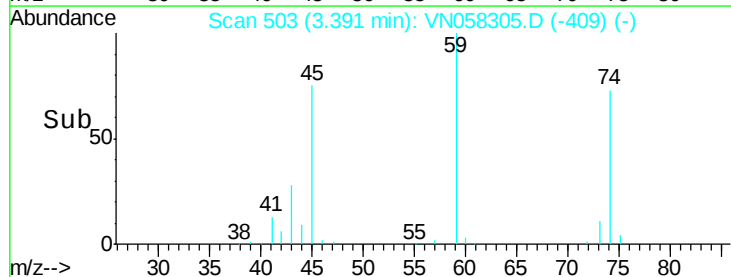
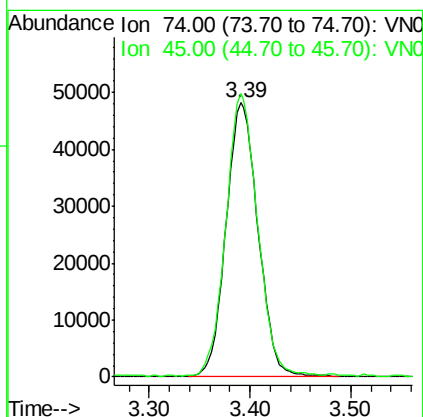
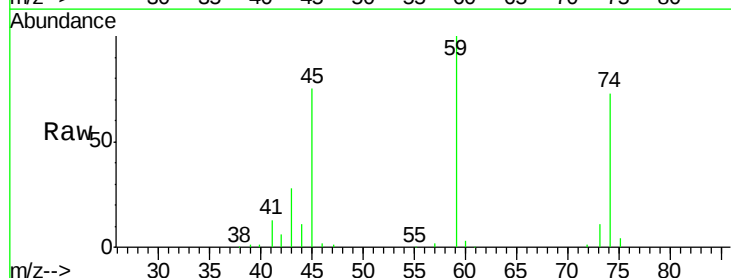
Tot Ion:101 Resp: 218732
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.6

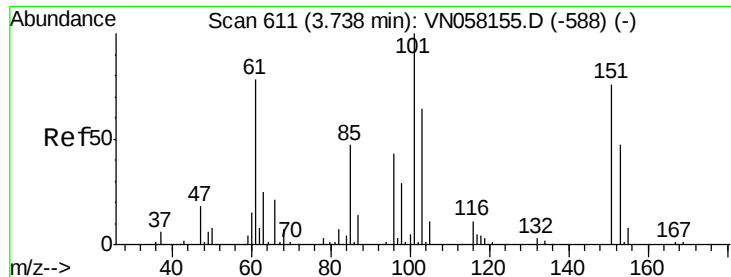


#8

Diethyl Ether
 Concen: 47.749 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 74 Resp: 106445
 Ion Ratio Lower Upper
 74 100
 45 101.6 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.584 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058305.D

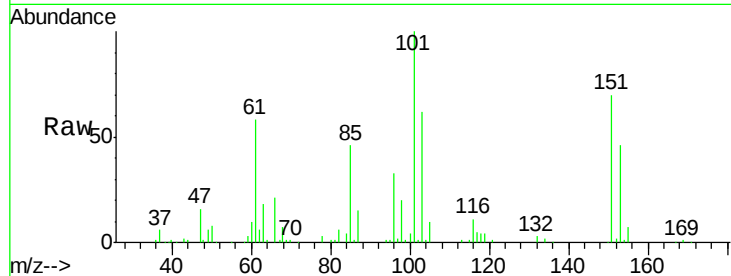
Acq: 23 Sep 2019 19:57

Instrument :

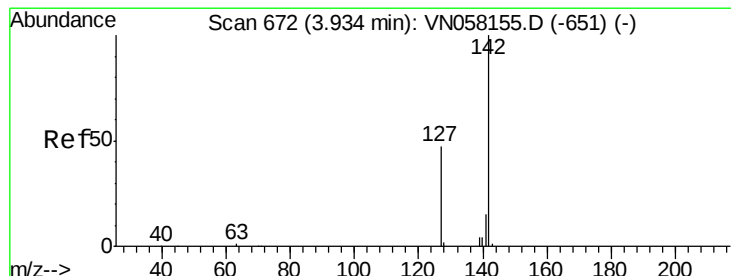
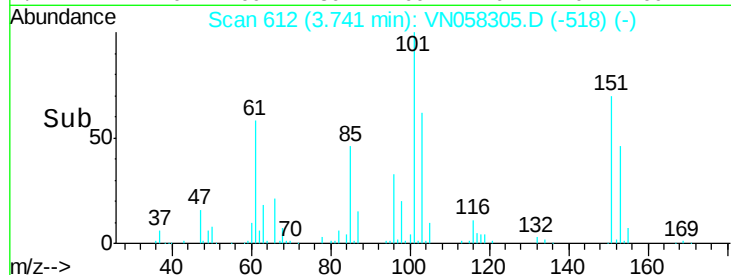
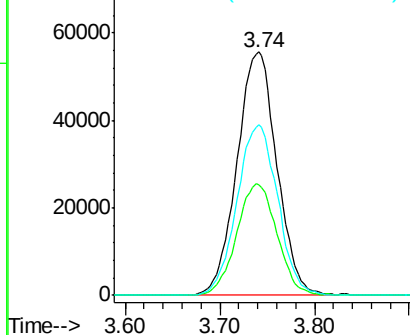
MSVOA_N

ClientSampled :

Tot Ion:	101	Resp:	163407
Ion	Ratio	Lower	Upper
101	100		
85	46.2	37.3	55.9
151	71.4	59.6	89.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.481 ug/l

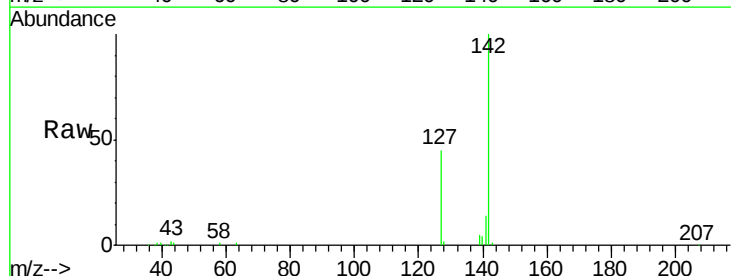
RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

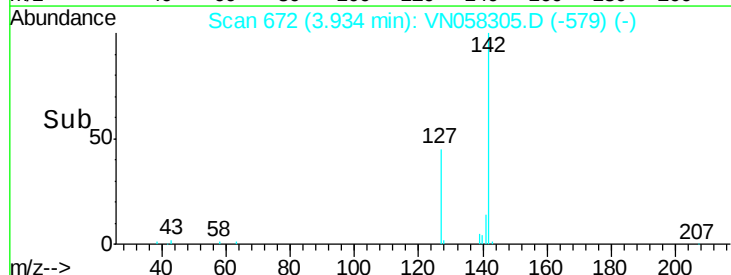
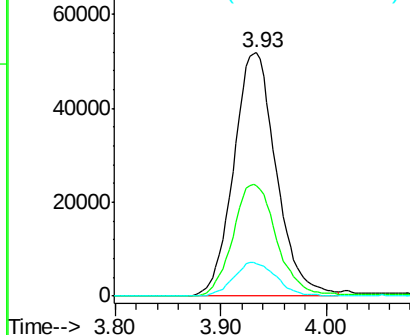
Lab File: VN058305.D

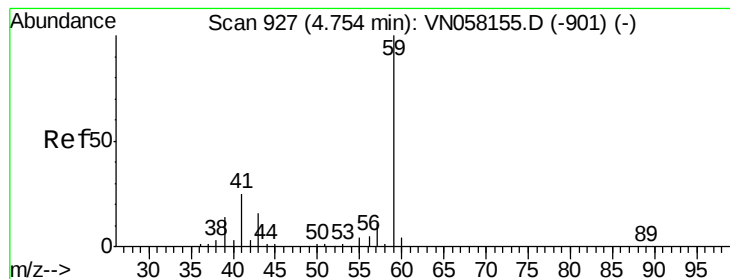
Acq: 23 Sep 2019 19:57

Tgt Ion:	142	Resp:	145442
Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.5	56.3
141	13.8	11.4	17.2



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



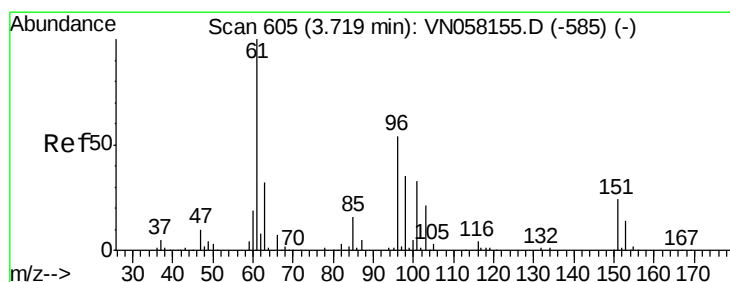
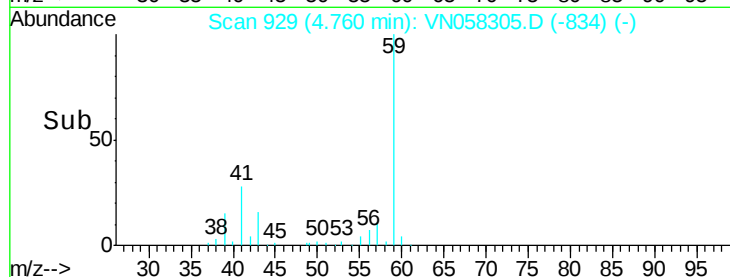
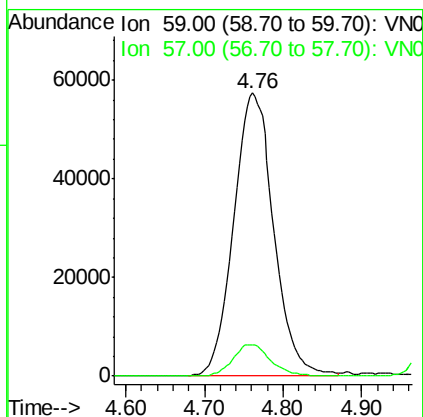
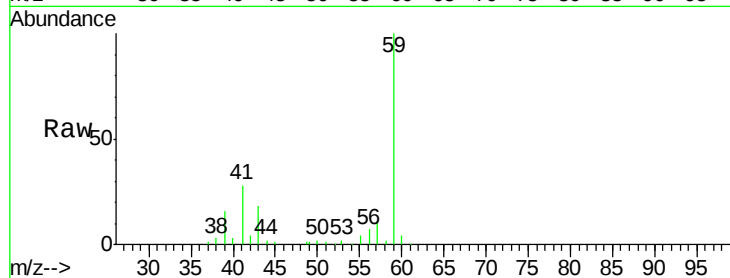


#11

Tert butyl alcohol
 Concen: 284.962 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :

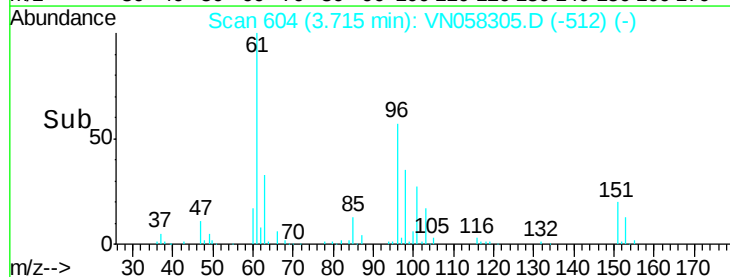
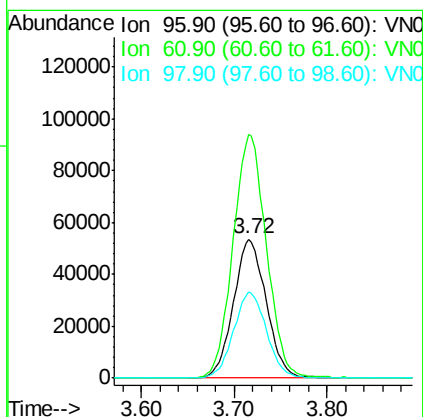
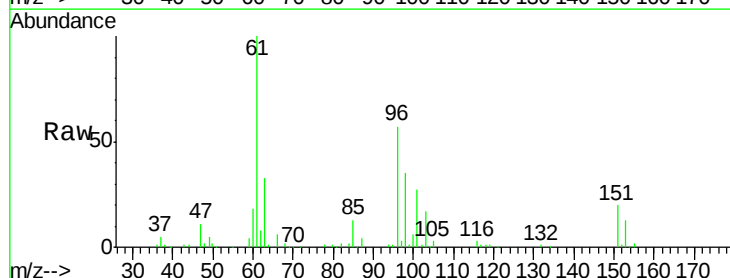
Tot Ion: 59 Resp: 204855
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 13.0

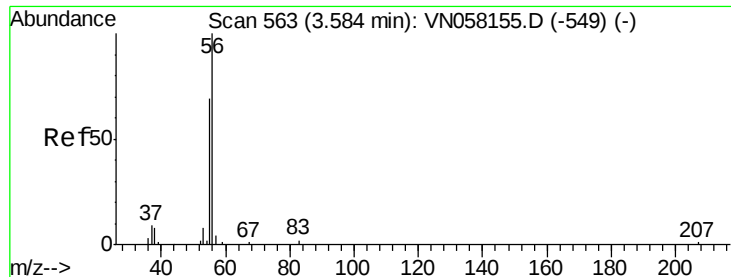


#12

1,1-Dichloroethene
 Concen: 49.384 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 96 Resp: 131475
 Ion Ratio Lower Upper
 96 100
 61 175.0 149.5 224.3
 98 61.7 52.4 78.6





#13

Acrolein

Concen: 481.057 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

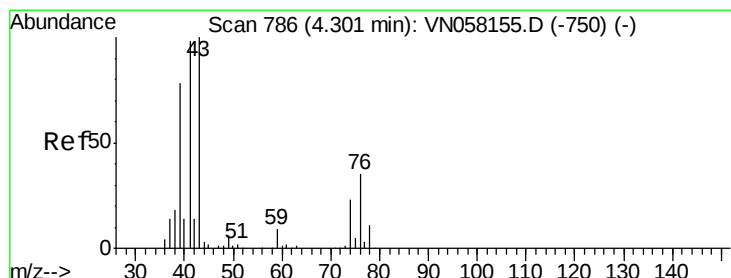
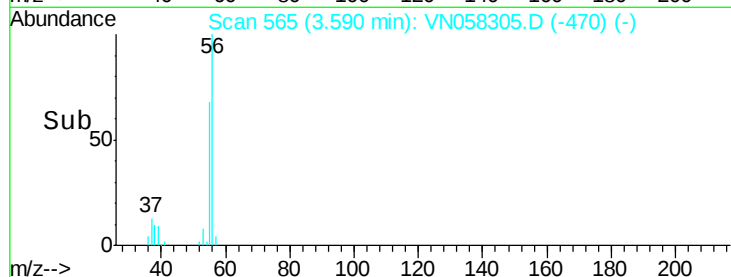
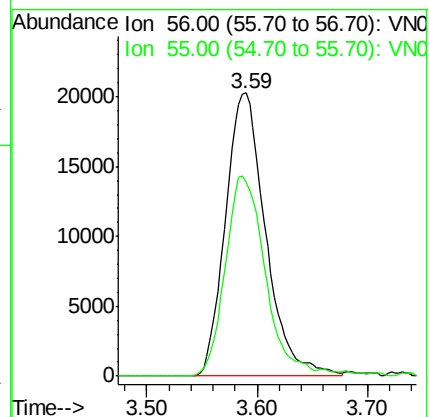
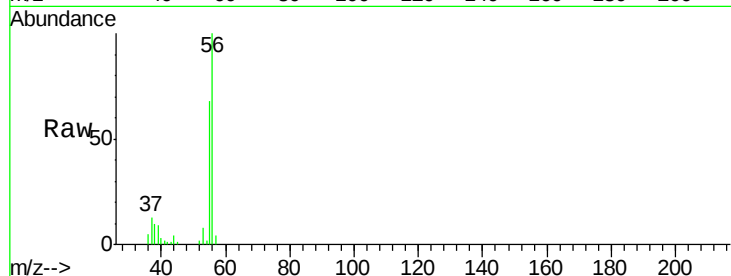
ClientSampleId :

Tot Ion: 56 Resp: 51250

Ion Ratio Lower Upper

56 100

55 69.8 56.1 84.1



#14

Allyl chloride

Concen: 47.688 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

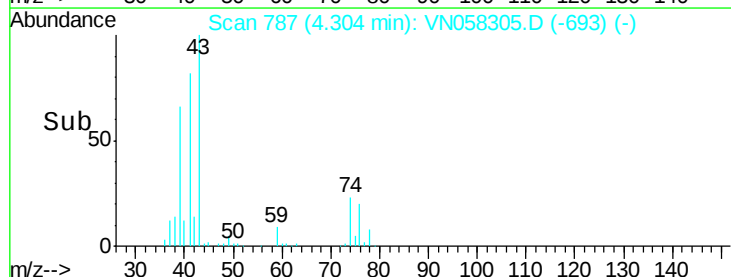
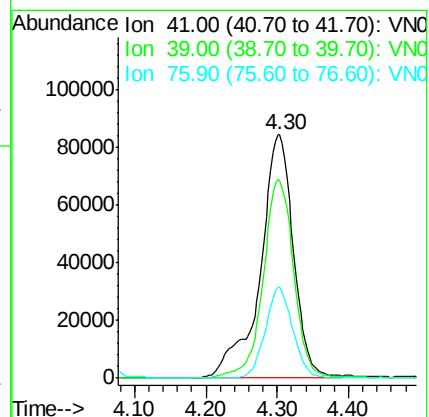
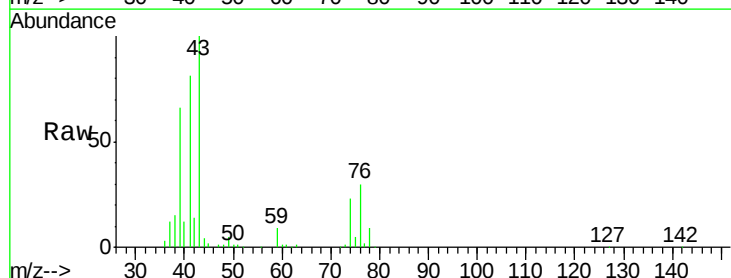
Tgt Ion: 41 Resp: 273724

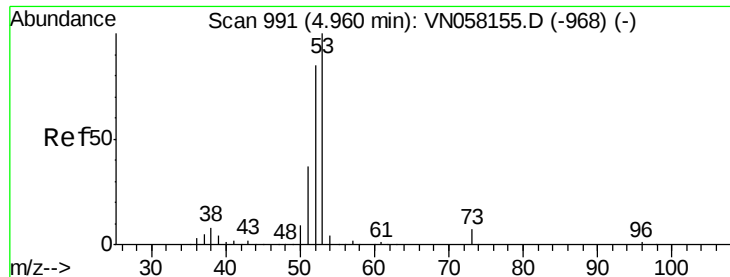
Ion Ratio Lower Upper

41 100

39 74.5 59.1 88.7

76 30.6 25.1 37.7





#15

Acrylonitrile

Concen: 293.683 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

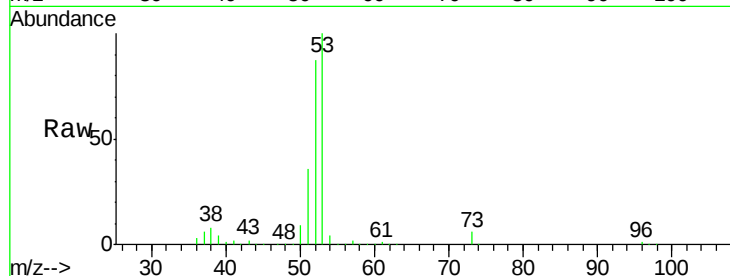
Tot Ion: 53 Resp: 562496

Ion Ratio Lower Upper

53 100

52 83.7 66.6 100.0

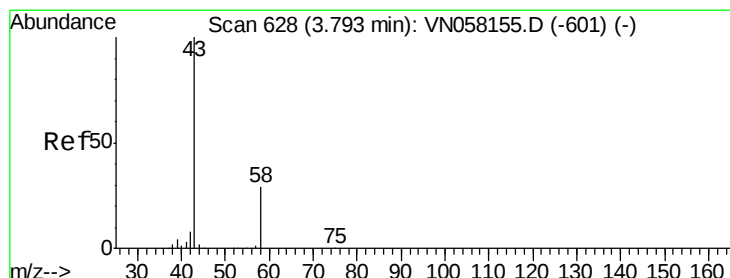
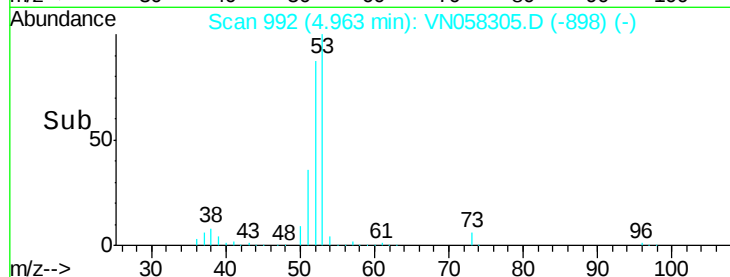
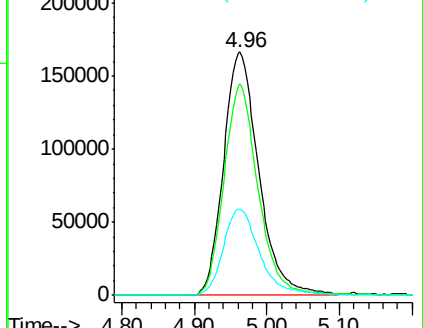
51 36.5 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 240.996 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058305.D

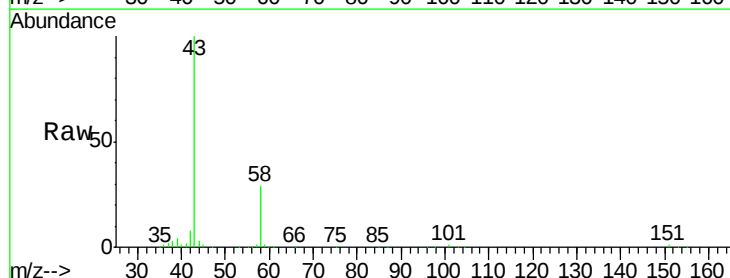
Acq: 23 Sep 2019 19:57

Tgt Ion: 43 Resp: 494378

Ion Ratio Lower Upper

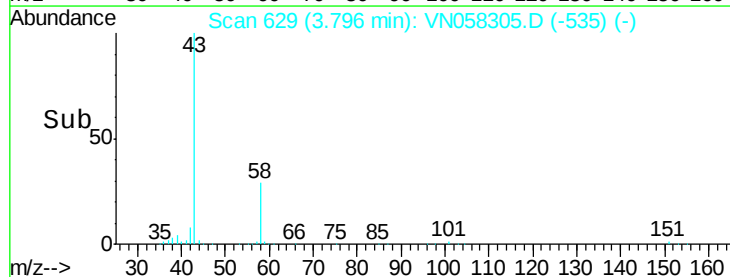
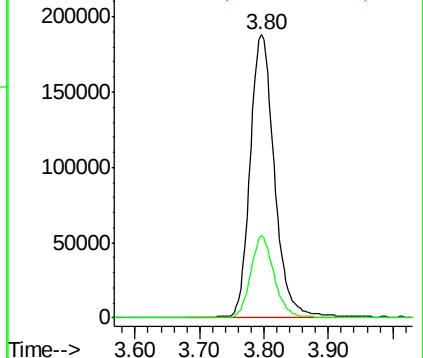
43 100

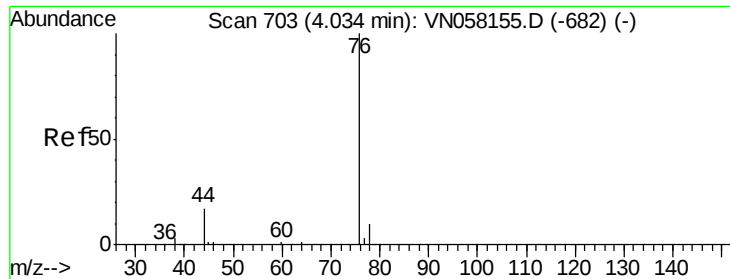
58 28.9 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

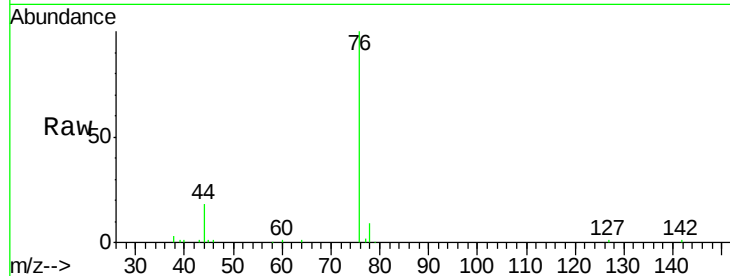




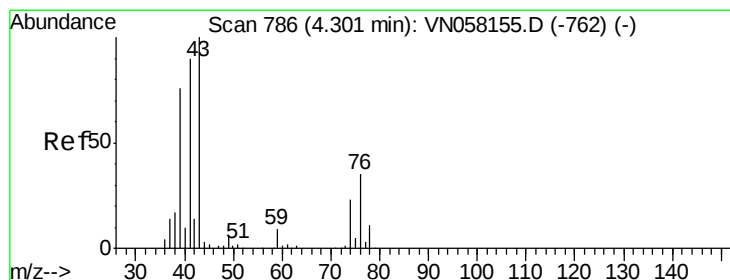
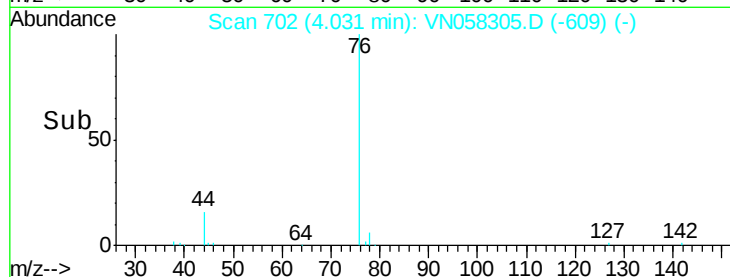
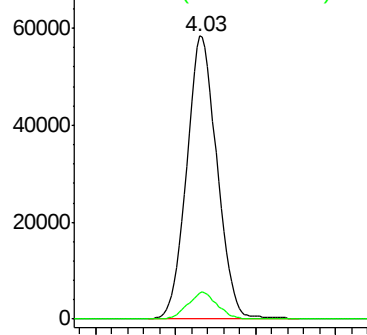
#17
Carbon Disulfide
Concen: 40.416 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 151245
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5

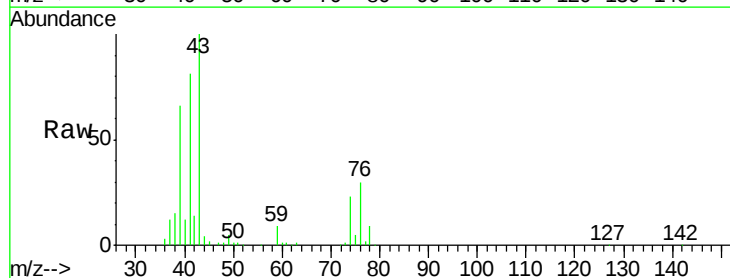


Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC

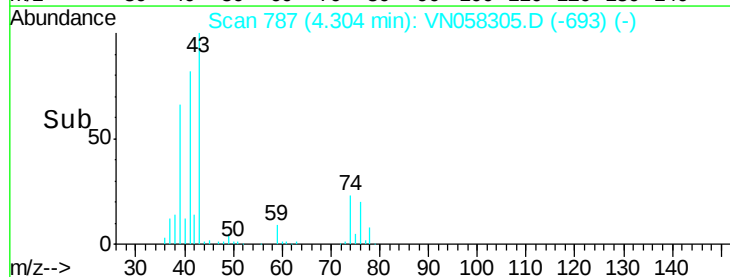
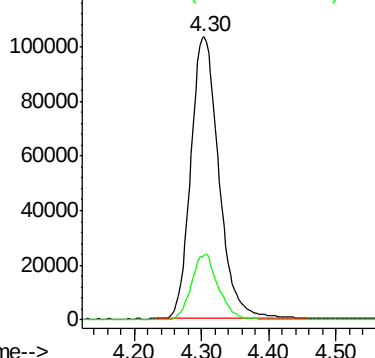


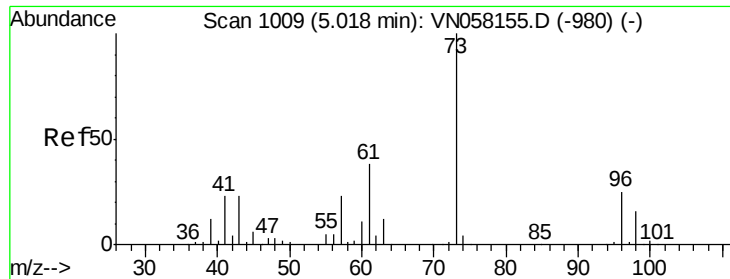
#18
Methyl Acetate
Concen: 55.555 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 43 Resp: 299879
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 74.00 (73.70 to 74.70): VNC

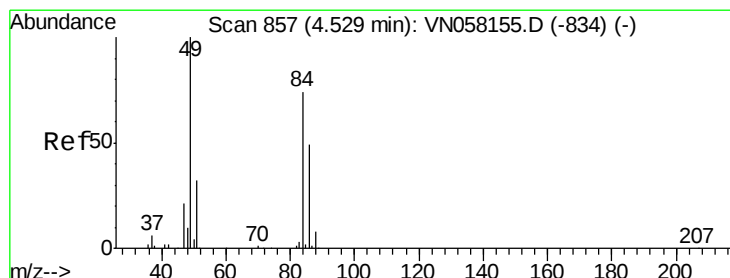
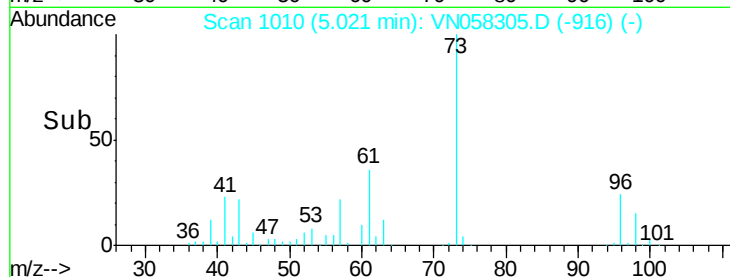
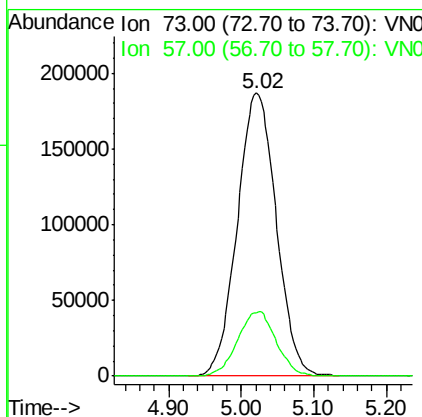
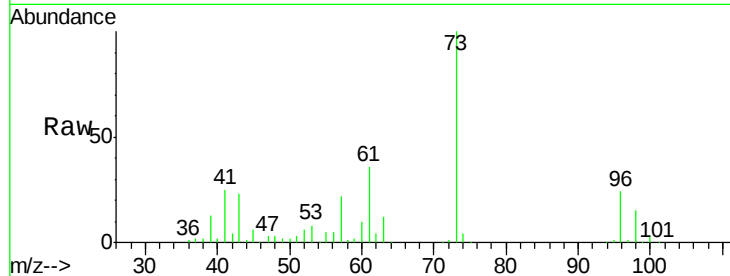




#19
Methvl tert-butvl Ether
Concen: 52.839 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

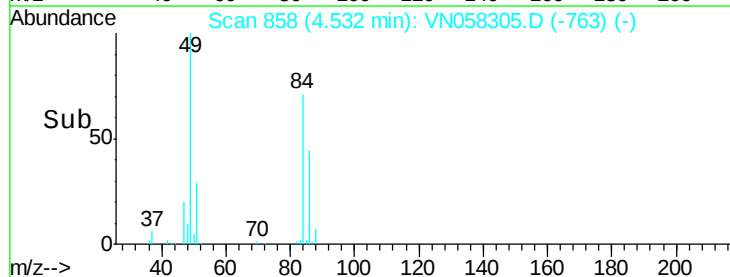
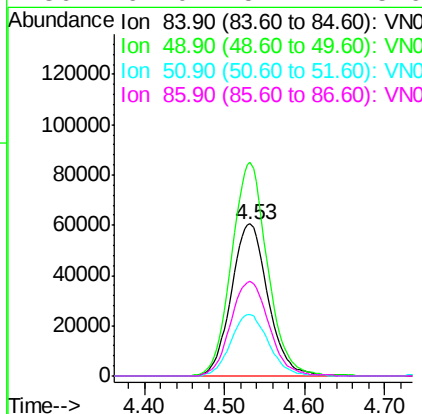
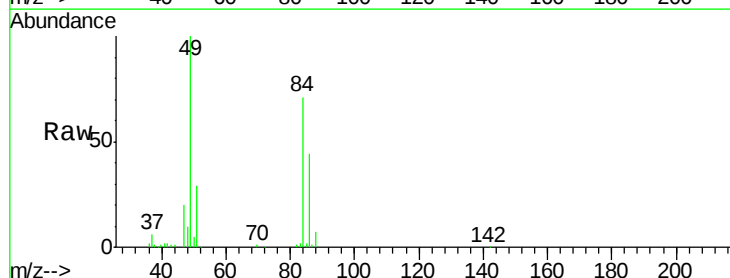
Instrument :
MSVOA_N
ClientSampled :

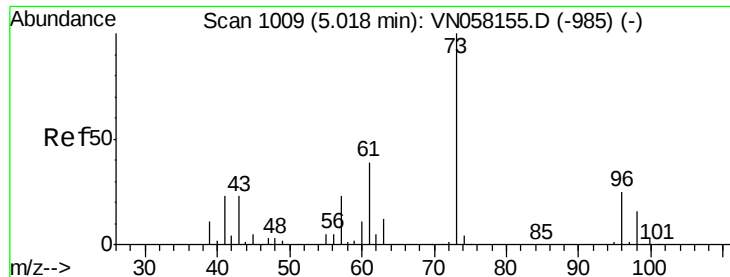
Tot Ion: 73 Resp: 699089
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 52.452 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 84 Resp: 188345
Ion Ratio Lower Upper
84 100
49 140.4 107.5 161.3
51 40.8 33.9 50.9
86 62.0 52.4 78.6

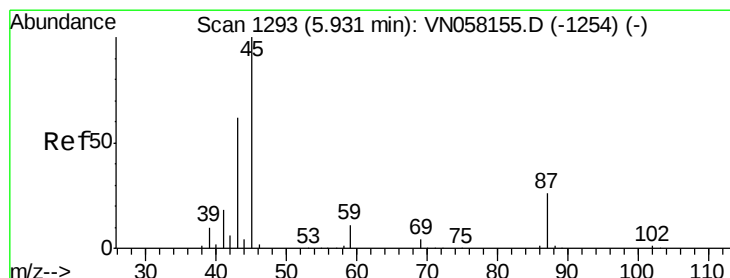
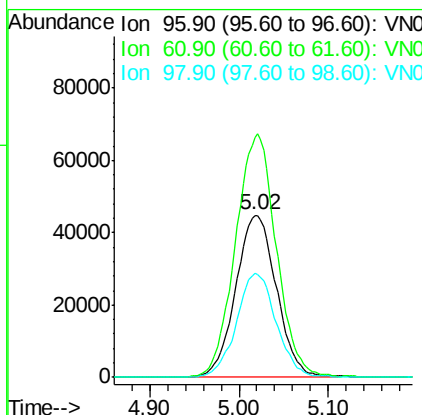
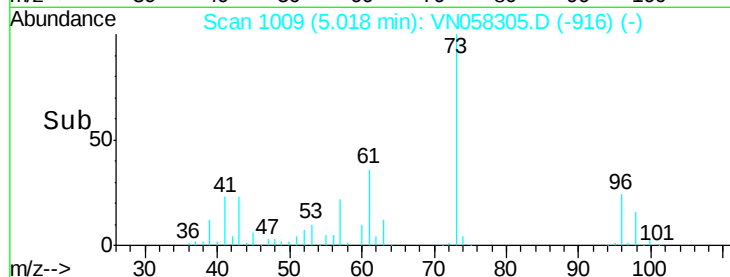
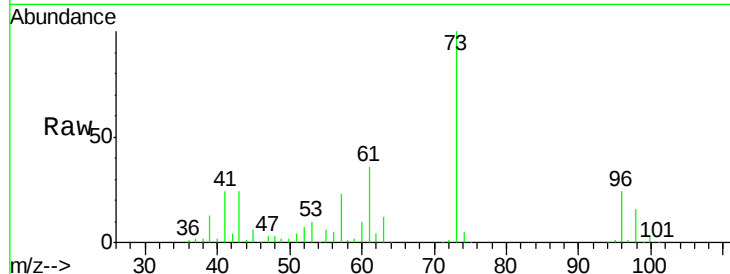




#21
trans-1,2-Dichloroethene
Concen: 48.984 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

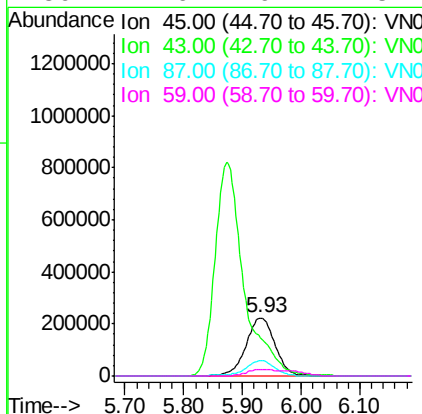
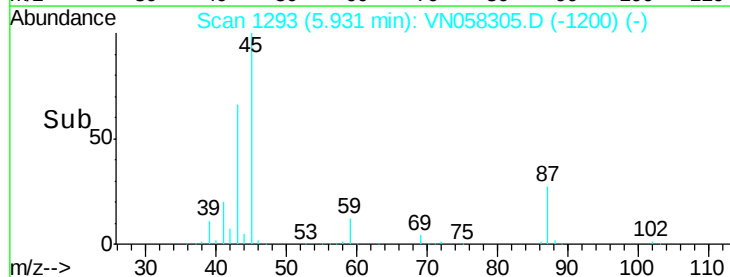
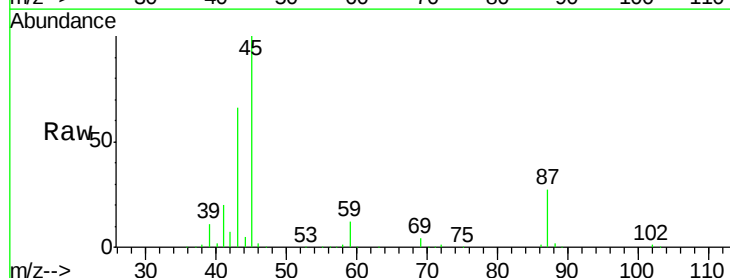
Instrument :
MSVOA_N
ClientSampled :

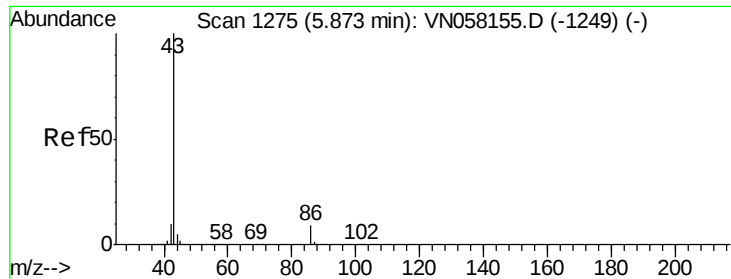
Tot Ion: 96 Resp: 142117
Ion Ratio Lower Upper
96 100
61 147.8 122.2 183.4
98 64.2 49.9 74.9



#22
Diisopropyl ether
Concen: 52.636 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 45 Resp: 767462
Ion Ratio Lower Upper
45 100
43 66.0 49.7 74.5
87 26.4 20.7 31.1
59 11.6 9.1 13.7





#23

Vinyl Acetate

Concen: 281.174 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

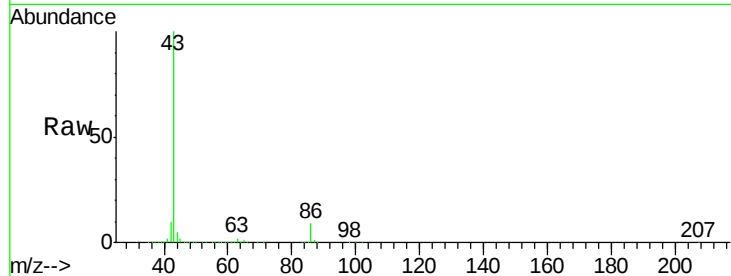
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2805257

Ion Ratio Lower Upper

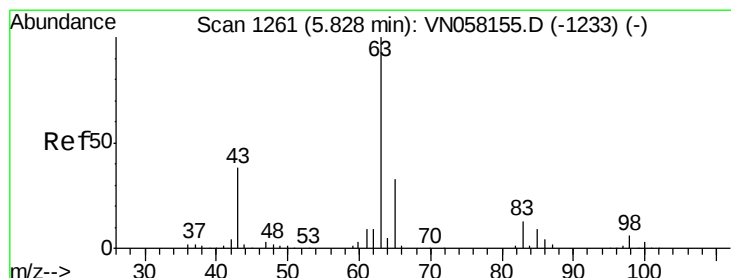
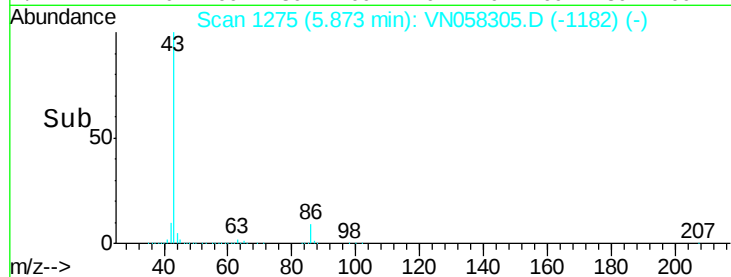
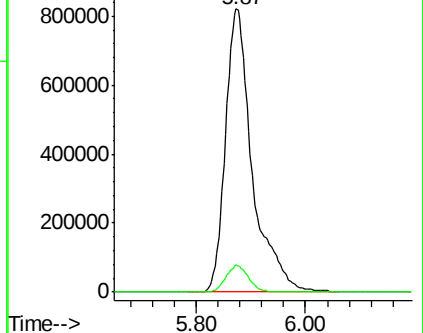
43 100

86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1249) (-)

Ion 86.00 (85.70 to 86.70): VN058155.D (-1249) (-)



#24

1,1-Dichloroethane

Concen: 50.489 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

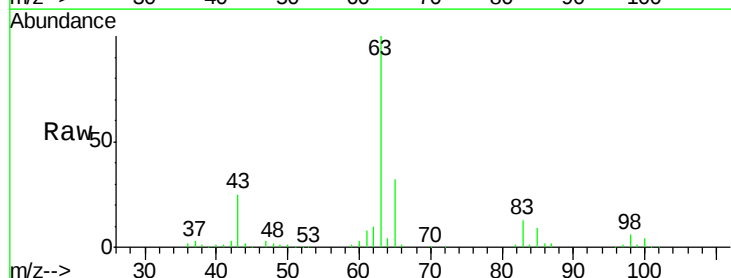
Tgt Ion: 63 Resp: 392907

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

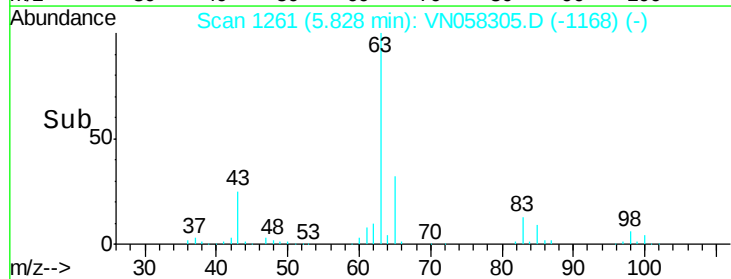
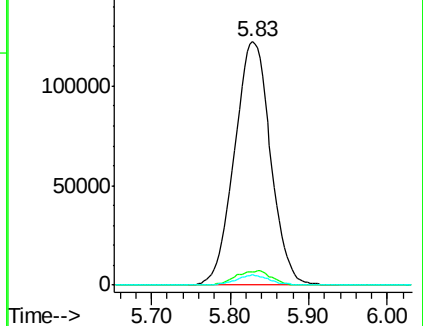
100 4.1 1.8 5.3

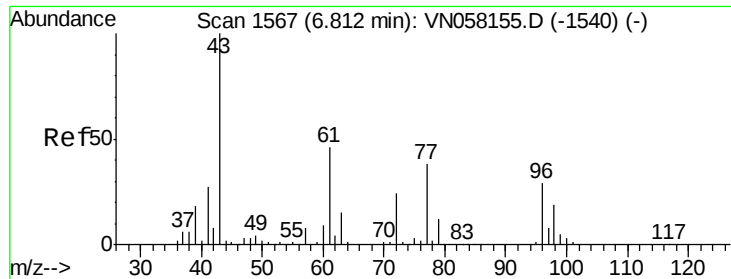


Abundance Ion 62.90 (62.60 to 63.60): VN058155.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN058155.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN058155.D (-1233) (-)





#25

2-Butanone

Concen: 283.905 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

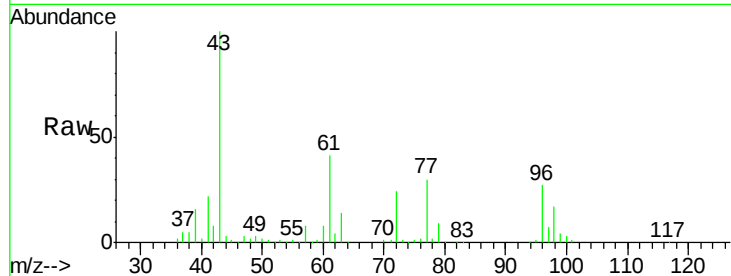
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 793452

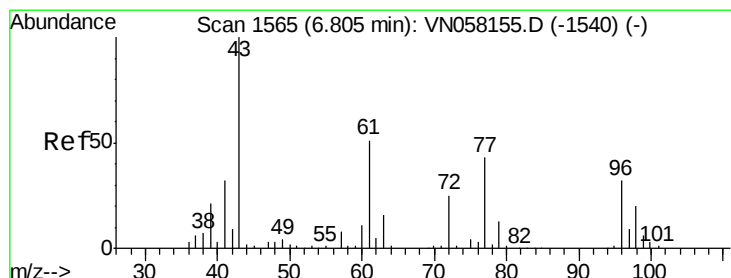
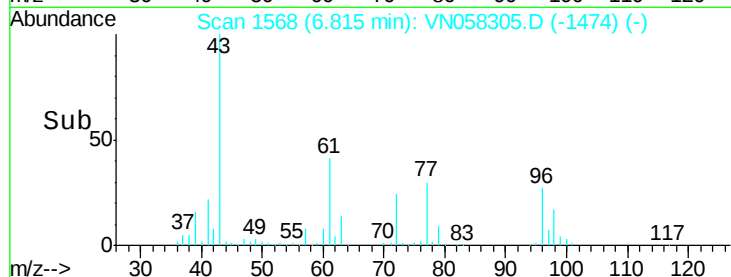
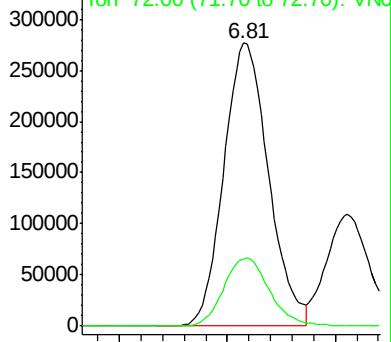
Ion Ratio Lower Upper

43 100

72 23.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 43.814 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058305.D

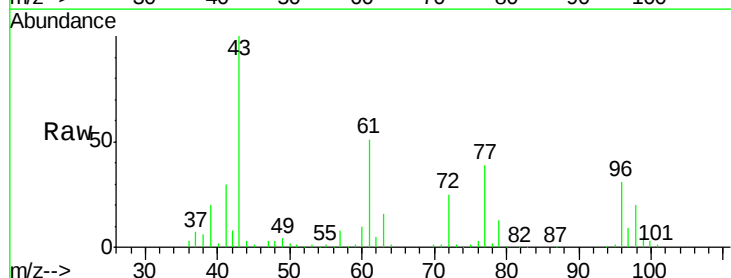
Acq: 23 Sep 2019 19:57

Tgt Ion: 77 Resp: 289258

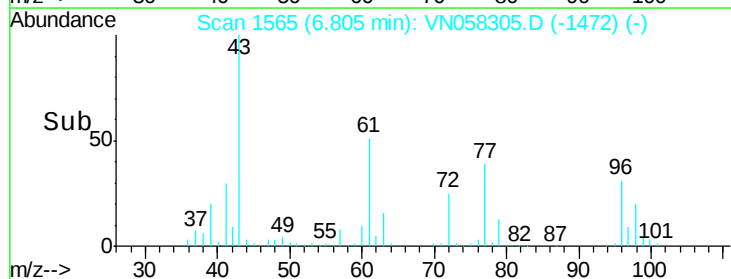
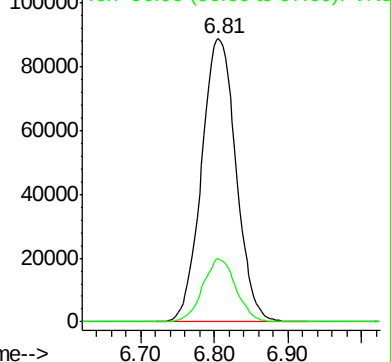
Ion Ratio Lower Upper

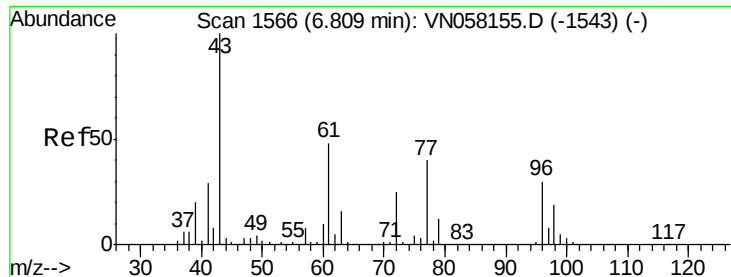
77 100

97 21.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN058155.D (-1540) (-)





#27

cis-1,2-Dichloroethene

Concen: 49.752 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

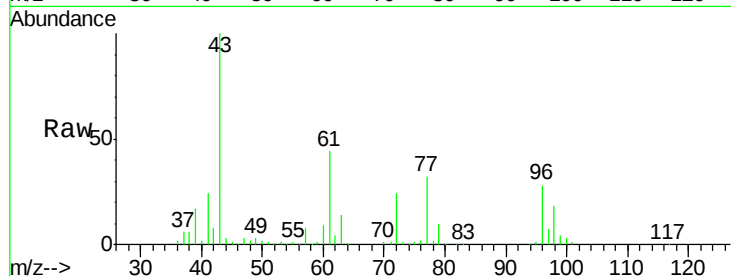
Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 218920

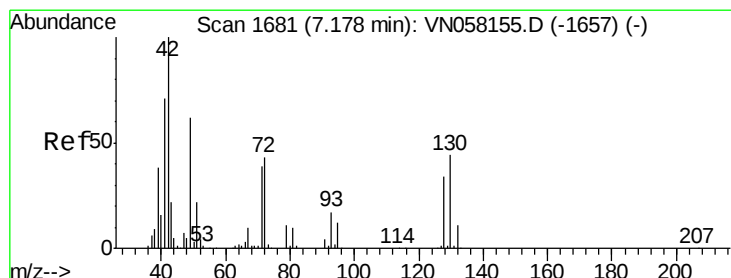
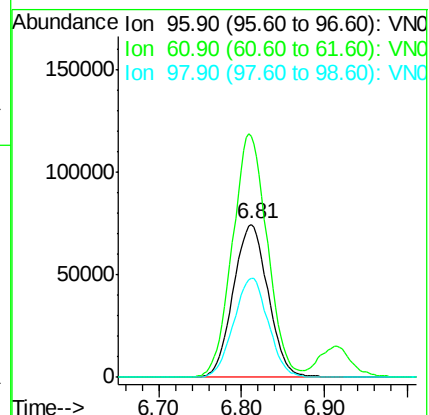
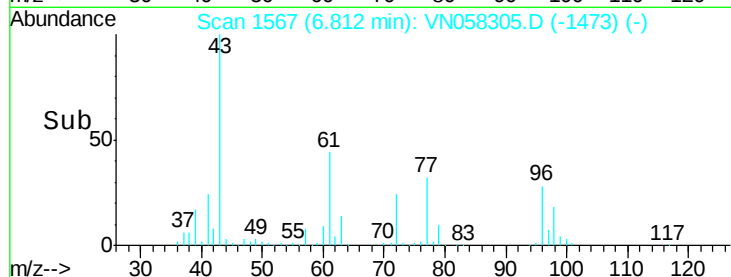
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	319.0
98	64.3	0.0	126.6



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: 55.130 ug/l

RT: 7.18 min Scan# 1681

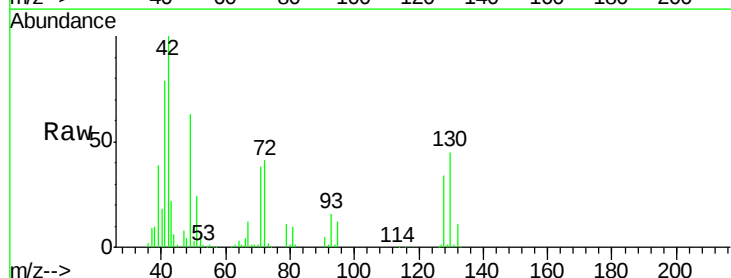
Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion: 49 Resp: 202952

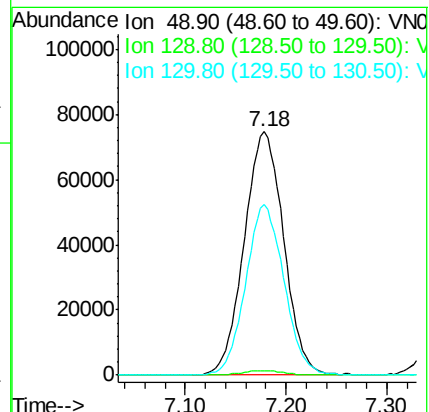
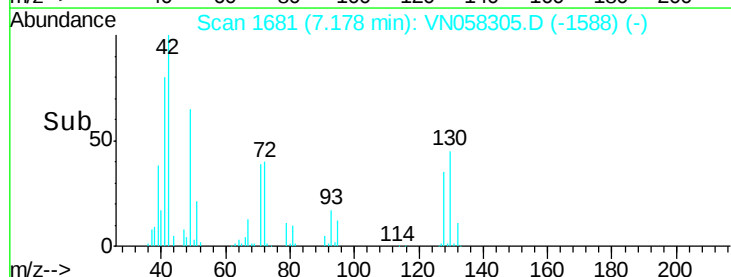
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.8
130	68.0	55.4	83.2

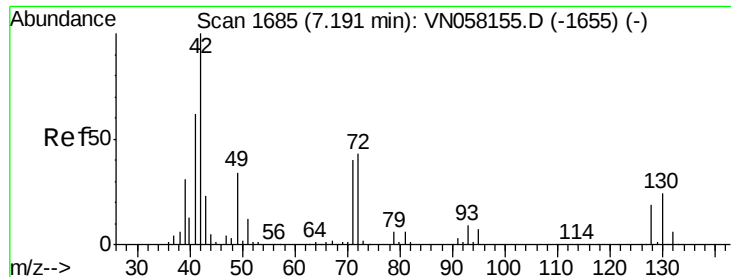


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

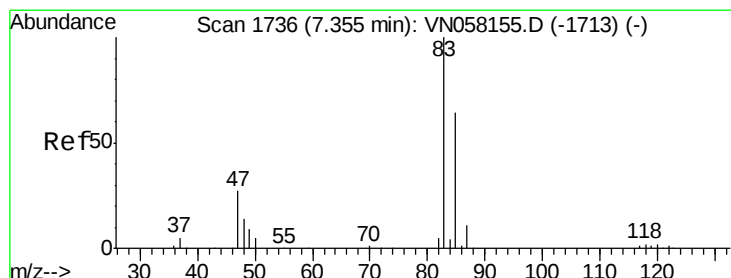
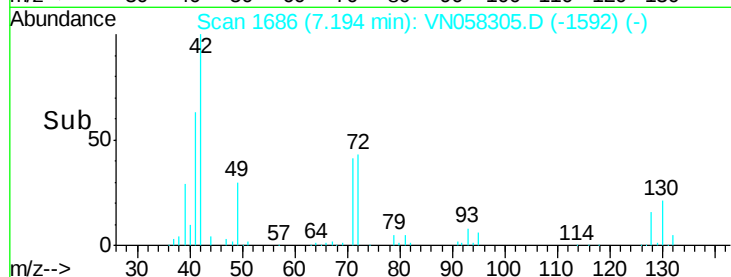
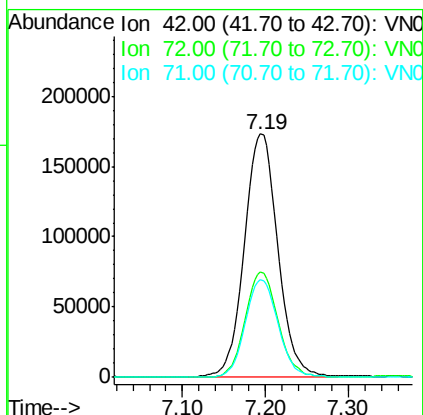
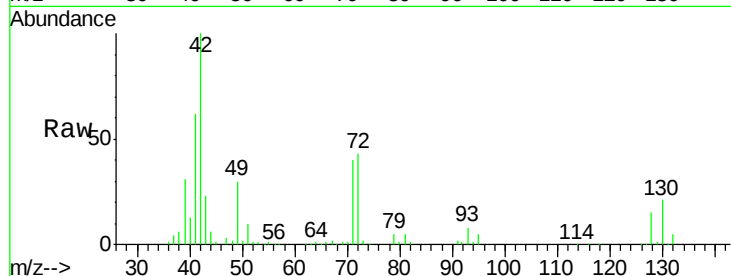




#29
Tetrahydrofuran
Concen: 283.949 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

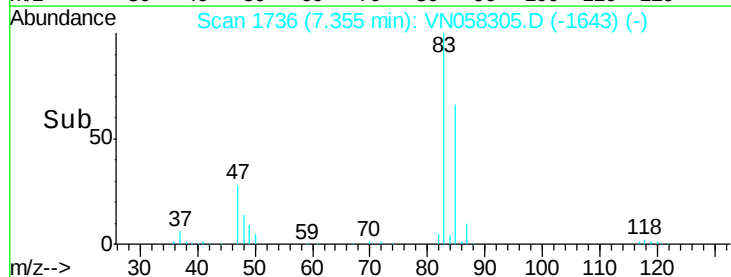
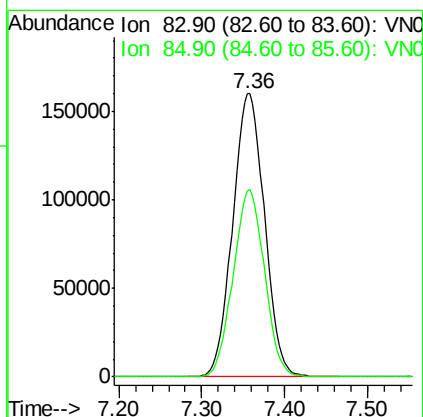
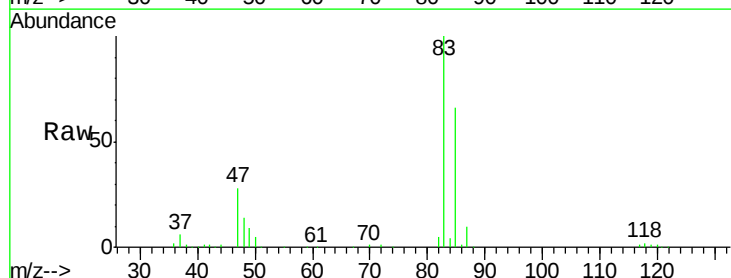
Instrument :
MSVOA_N
ClientSampleId :

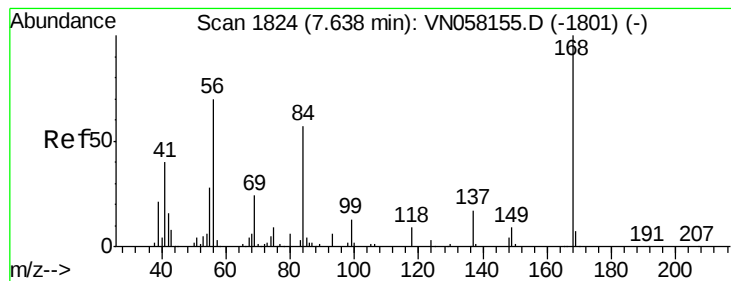
Tot Ion: 42 Resp: 488821
Ion Ratio Lower Upper
42 100
72 42.4 33.8 50.6
71 39.3 31.4 47.0



#30
Chloroform
Concen: 50.964 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 83 Resp: 426909
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2





#31

Cyclohexane

Concen: 46.961 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :

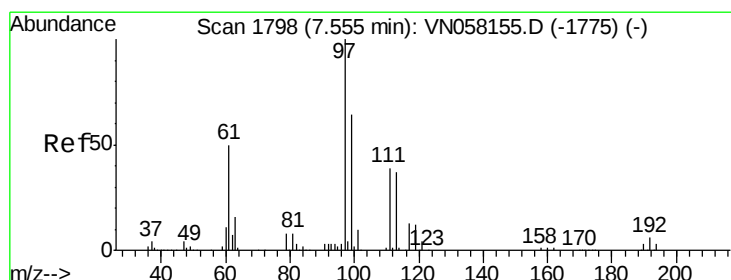
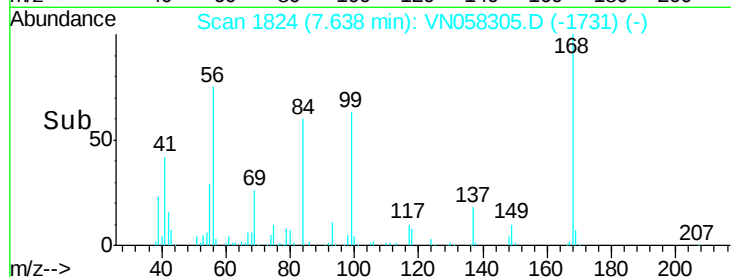
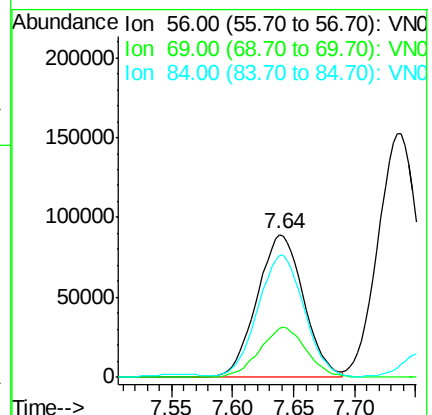
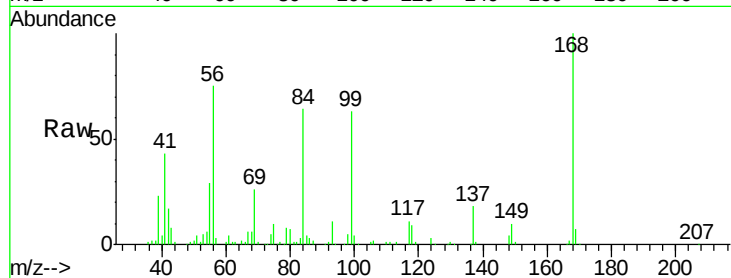
Tot Ion: 56 Resp: 236963

Ion Ratio Lower Upper

56 100

69 34.3 27.3 40.9

84 83.1 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 51.505 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

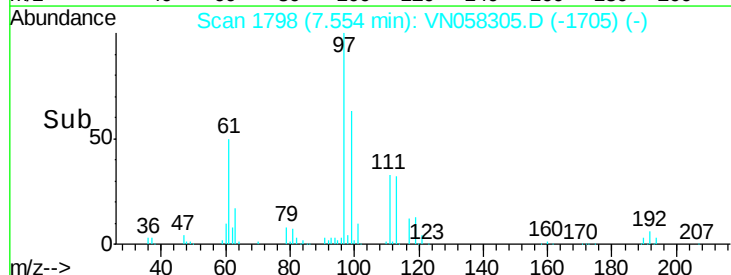
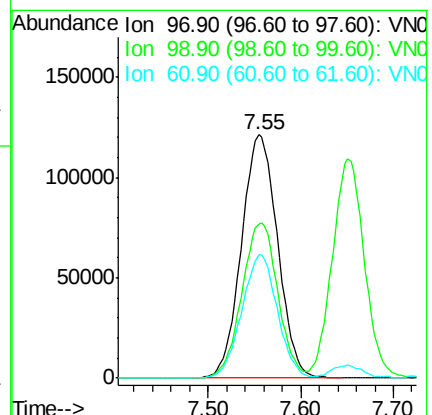
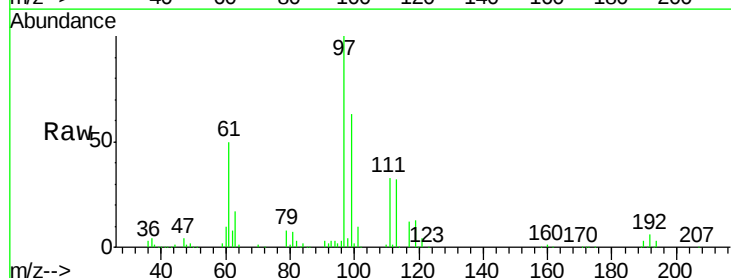
Tgt Ion: 97 Resp: 328444

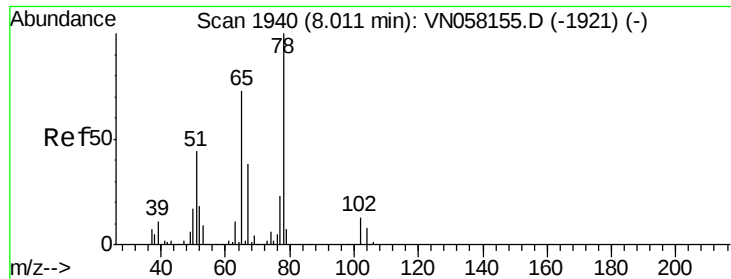
Ion Ratio Lower Upper

97 100

99 63.4 50.9 76.3

61 49.9 39.2 58.8

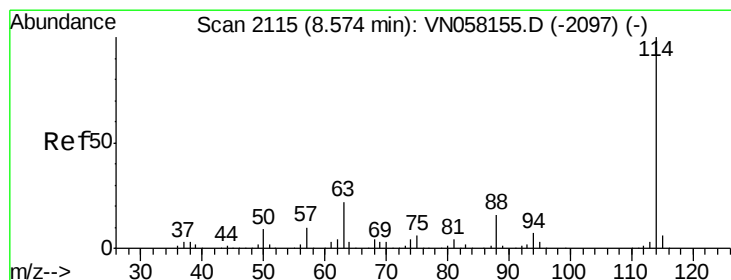
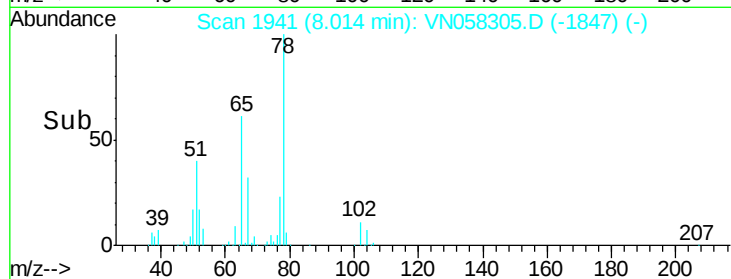
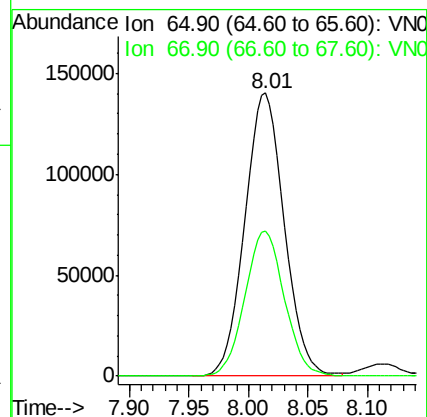
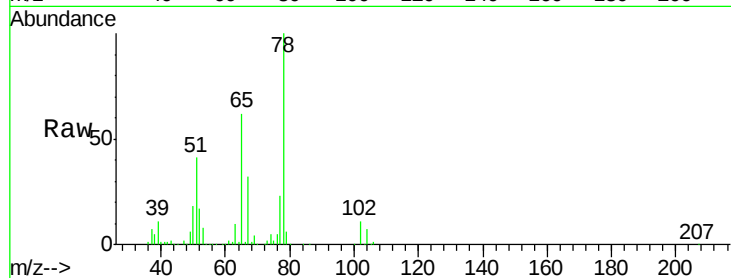




#33
 1,2-Dichloroethane-d4
 Concen: 53.383 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

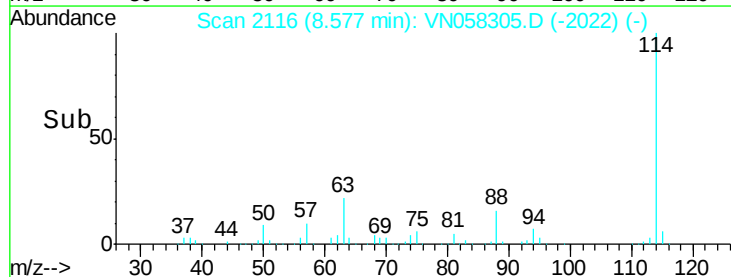
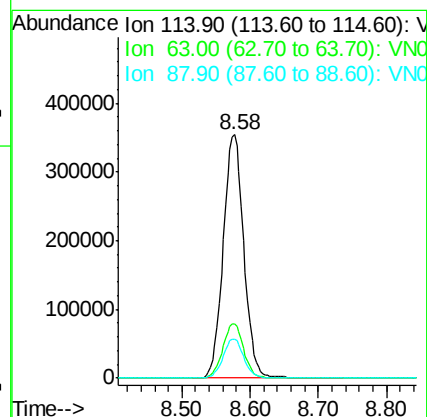
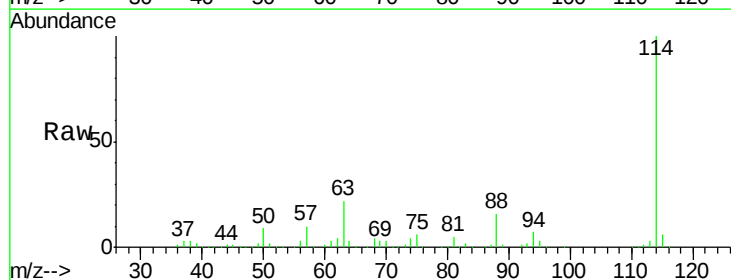
Instrument :
 MSVOA_N
 ClientSampleId :

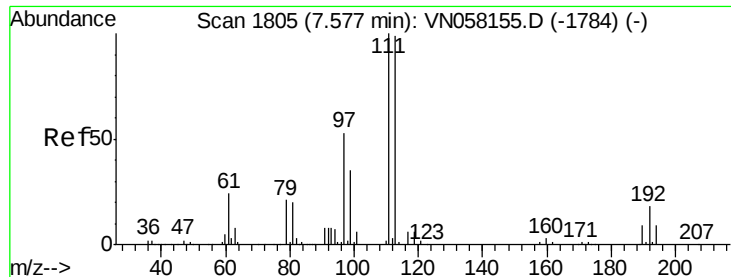
Tot Ion: 65 Resp: 322615
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 114 Resp: 742754
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 16.1 0.0 31.6

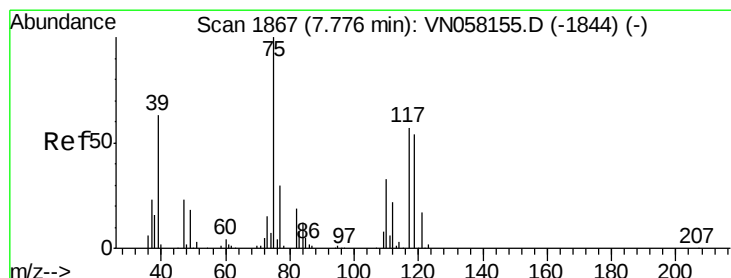
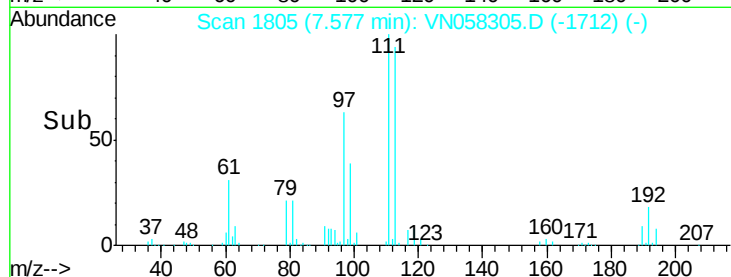
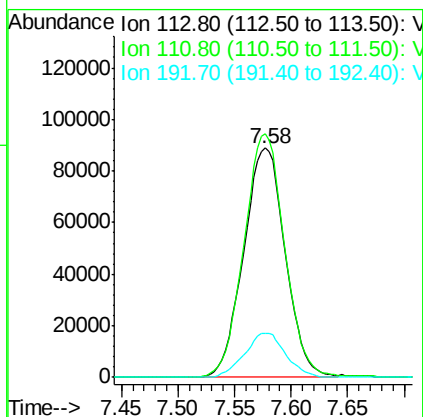
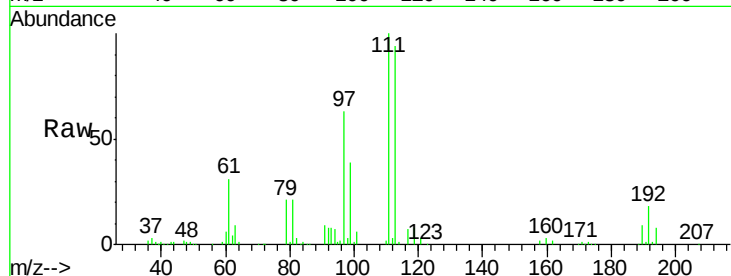




#35
Dibromofluoromethane
Concen: 50.405 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

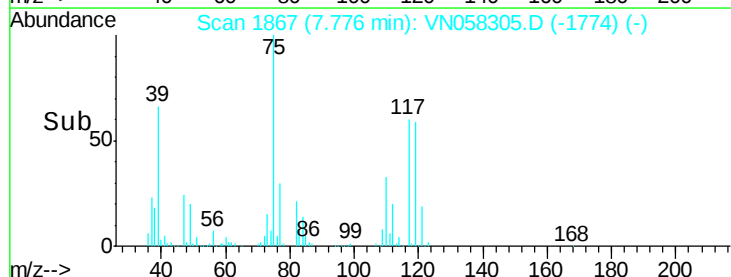
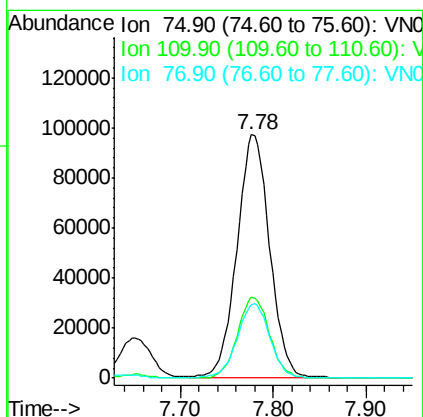
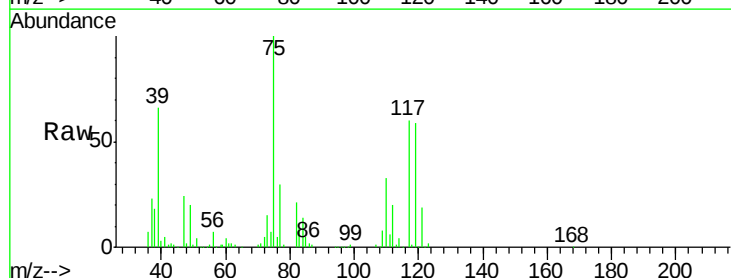
Instrument :
MSVOA_N
ClientSampled :

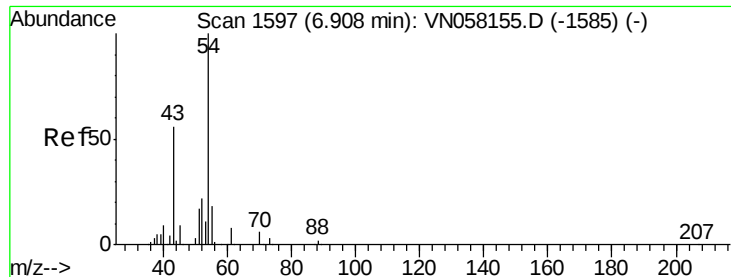
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.8	122.6
192	19.0	14.5	21.7



#36
1,1-Dichloropropene
Concen: 44.330 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.6	49.7
77	30.9	24.3	36.5

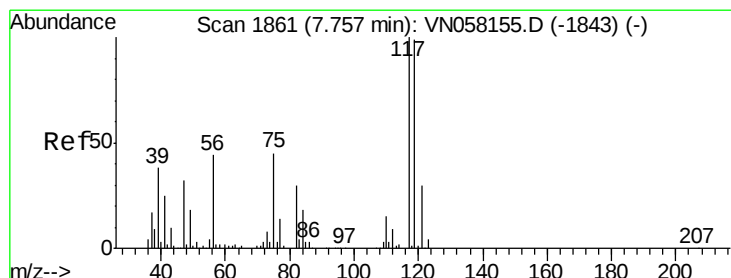
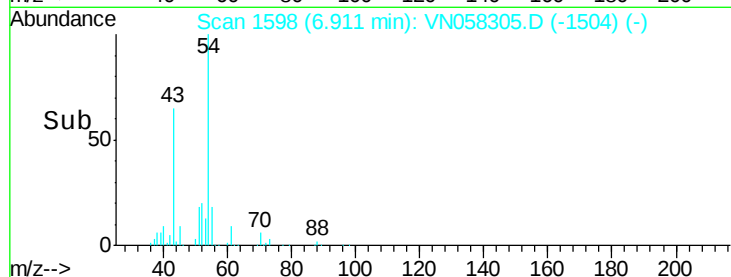
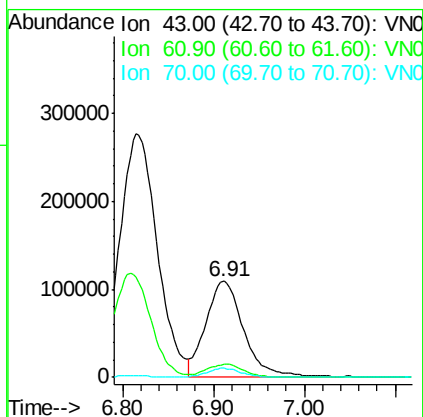
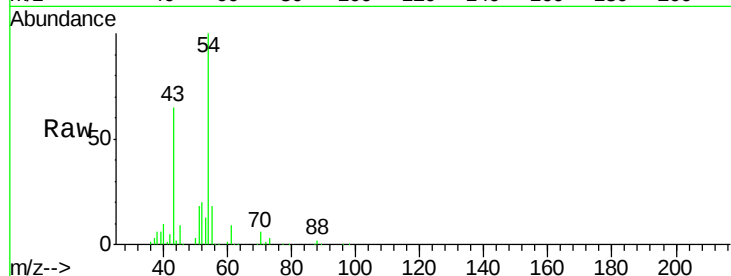




#37
Ethyl Acetate
Concen: 56.036 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

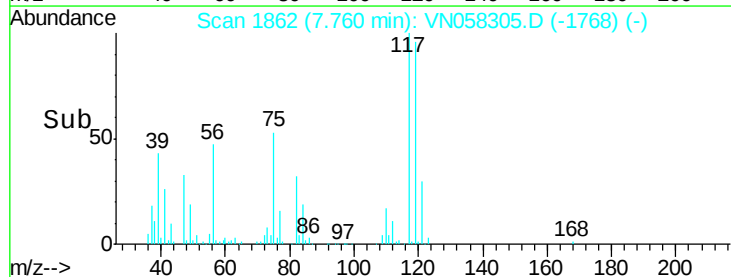
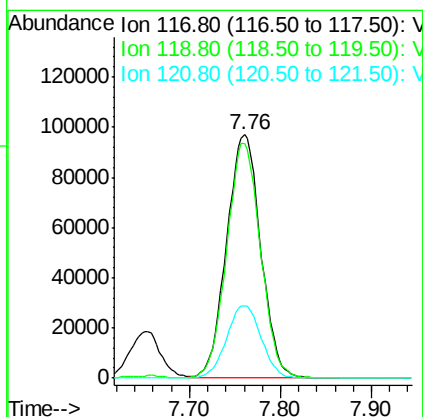
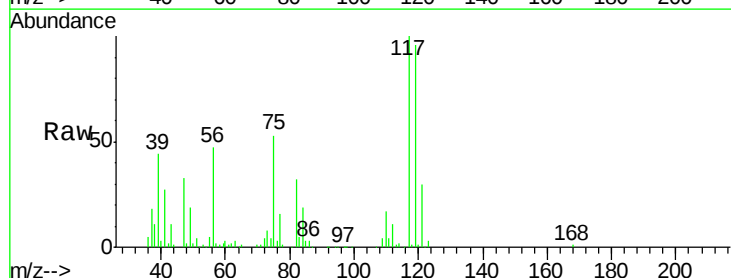
Instrument :
MSVOA_N
ClientSampleId :

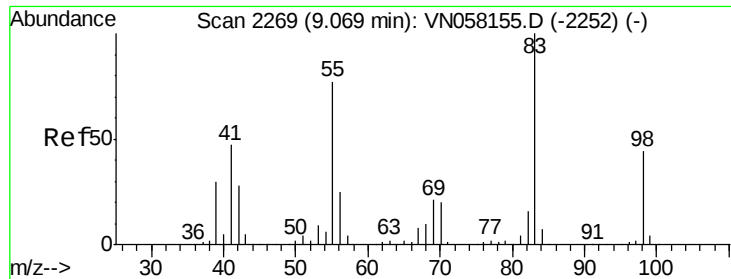
Tot Ion: 43 Resp: 311489
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 8.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 47.091 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 117 Resp: 253555
Ion Ratio Lower Upper
117 100
119 96.2 78.6 117.8
121 29.8 24.1 36.1

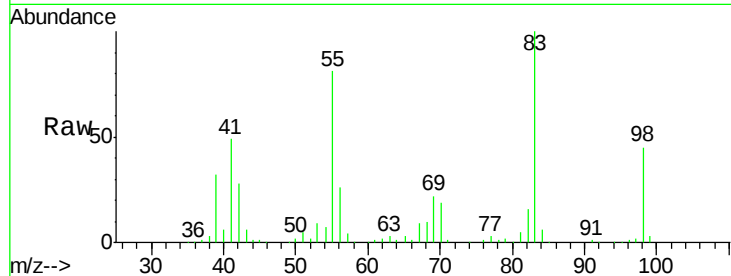




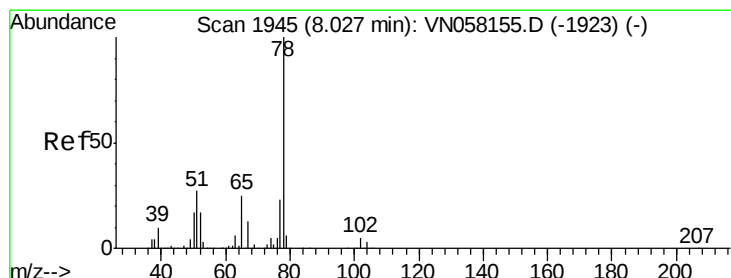
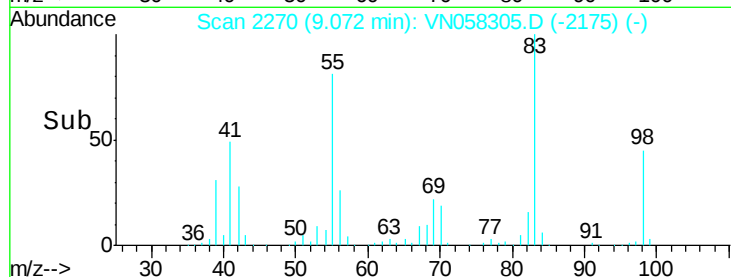
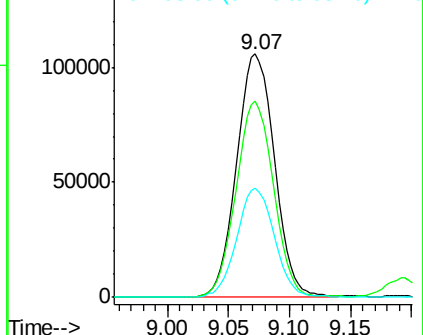
#39
Methvlcvclohexane
Concen: 44.006 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	83	Resp	227860
Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.9	92.9
98	44.9	35.4	53.2

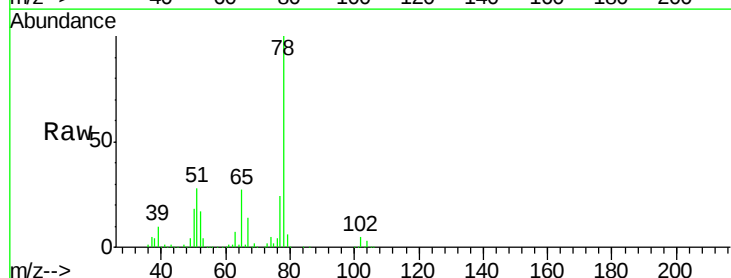


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

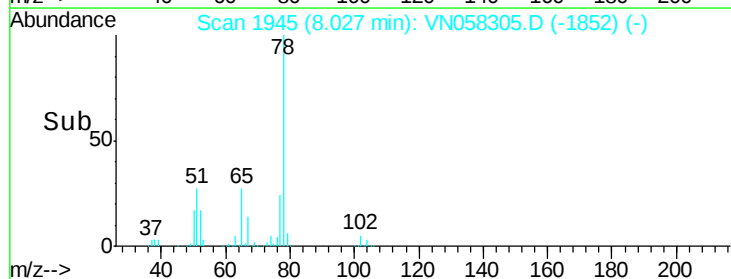
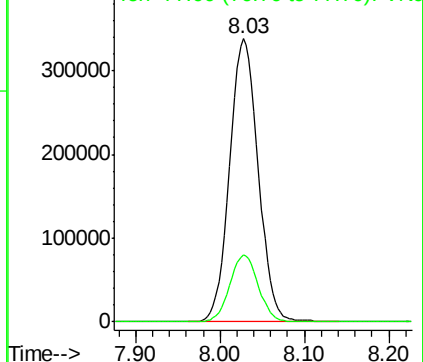


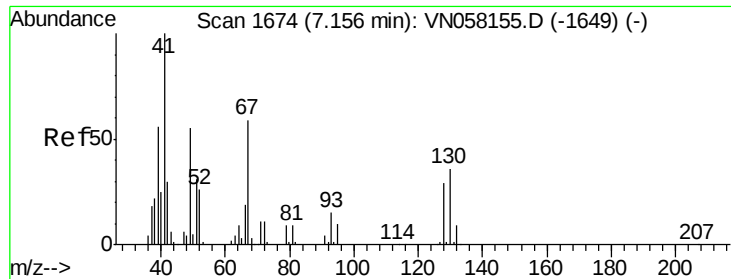
#40
Benzene
Concen: 48.757 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	78	Resp	797676
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



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

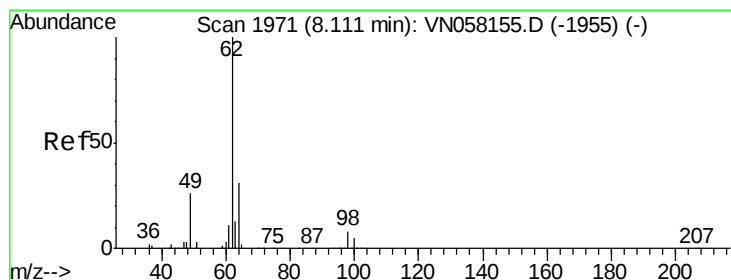
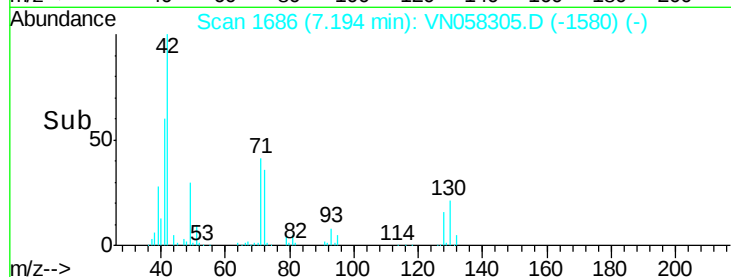
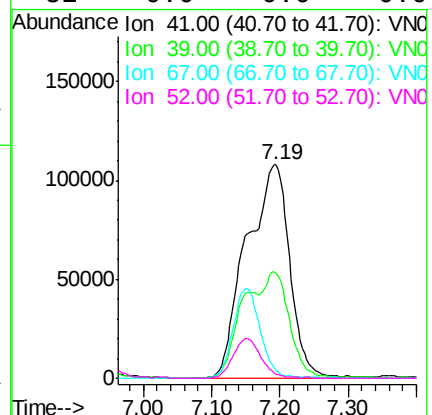
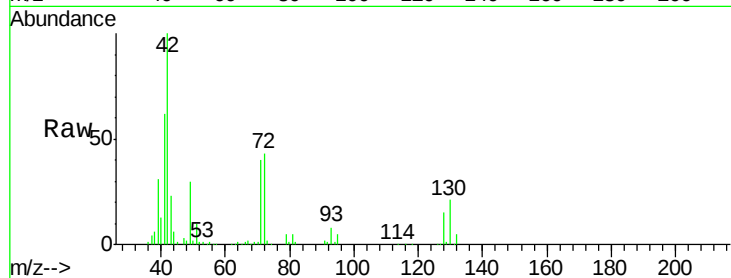




#41
Methacrylonitrile
Concen: 167.225 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

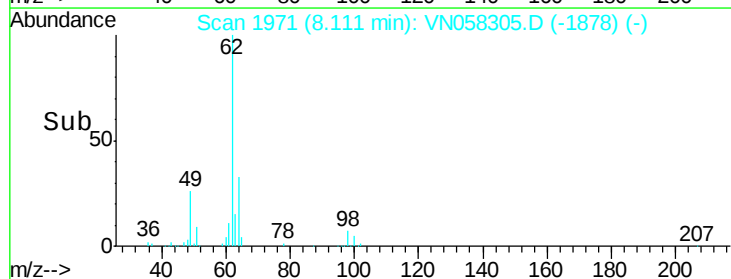
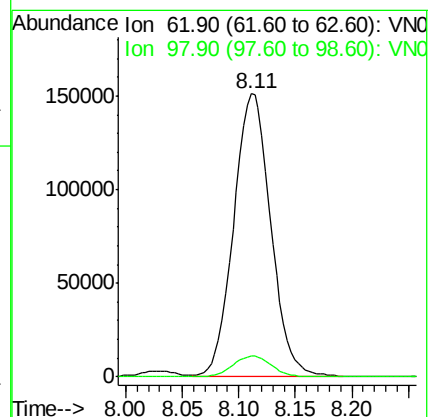
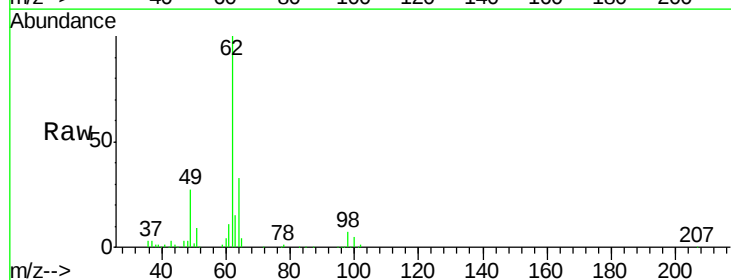
Instrument :
MSVOA_N
ClientSampleId :

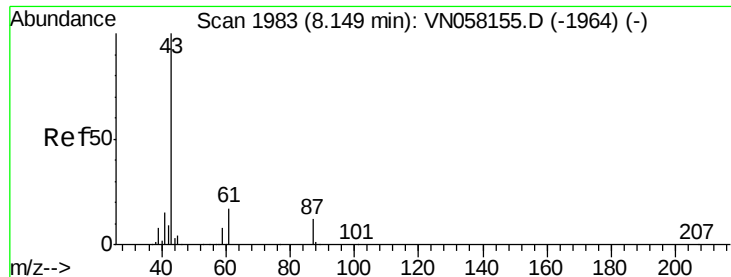
Tot Ion:	41	Resp:	474378
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.095 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion:	62	Resp:	343891
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6



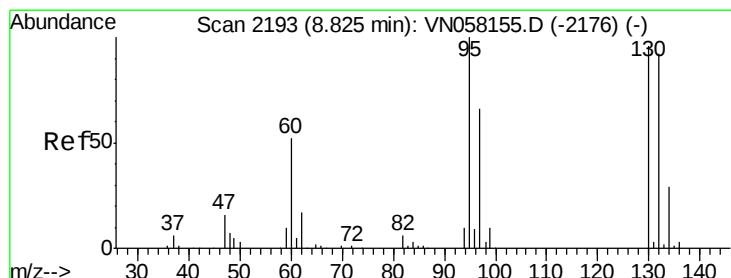
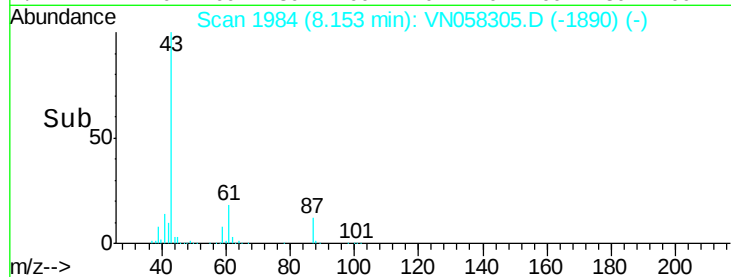
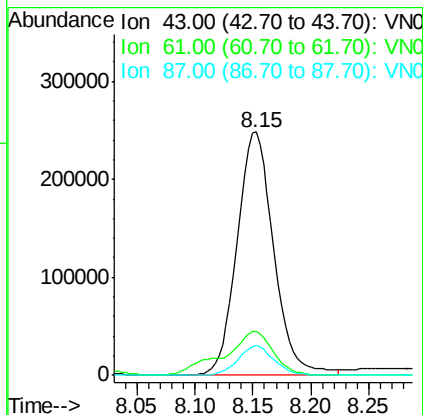
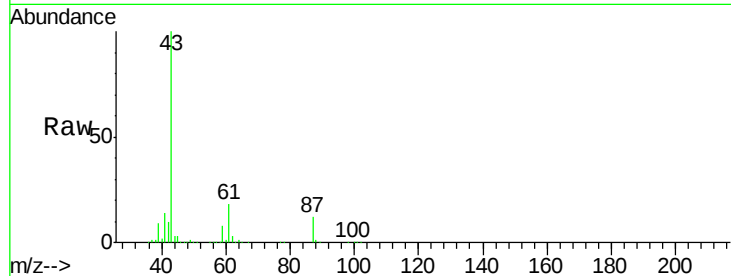


#43

Isopropyl Acetate
 Concen: 52.435 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :

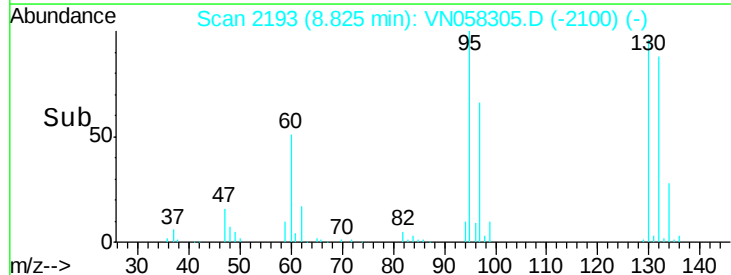
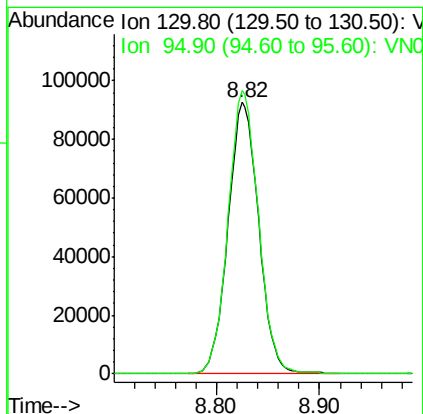
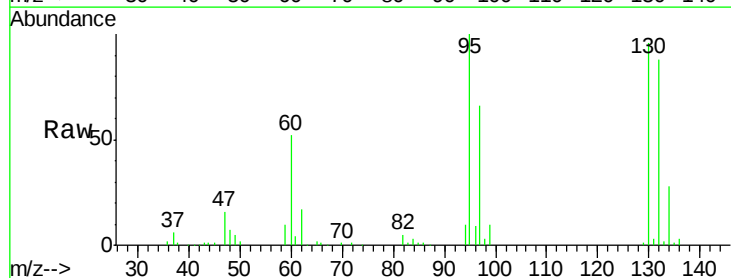
Tot Ion: 43 Resp: 544352
 Ion Ratio Lower Upper
 43 100
 61 24.4 19.7 29.5
 87 11.9 9.4 14.2

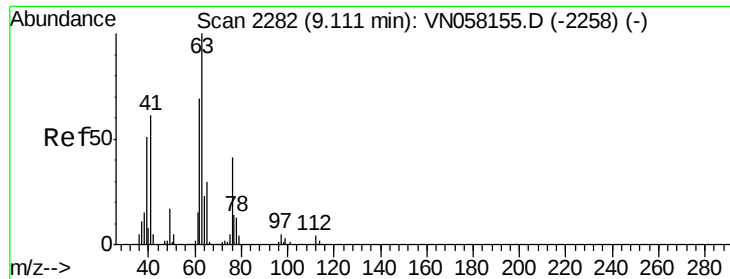


#44

Trichloroethene
 Concen: 47.977 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 130 Resp: 192078
 Ion Ratio Lower Upper
 130 100
 95 104.4 0.0 207.8

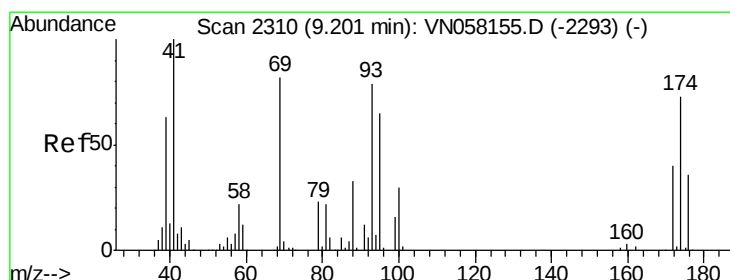
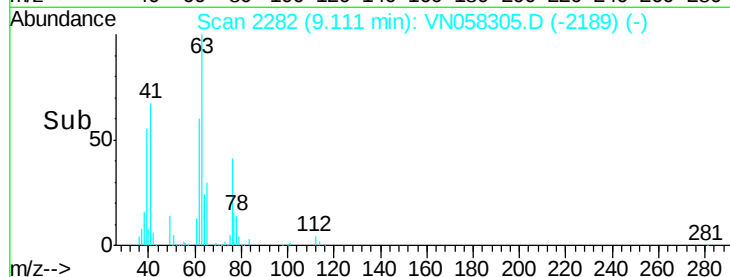
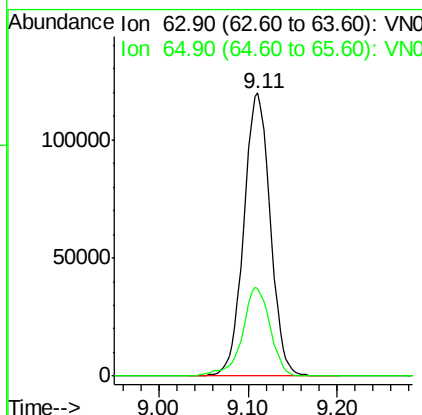
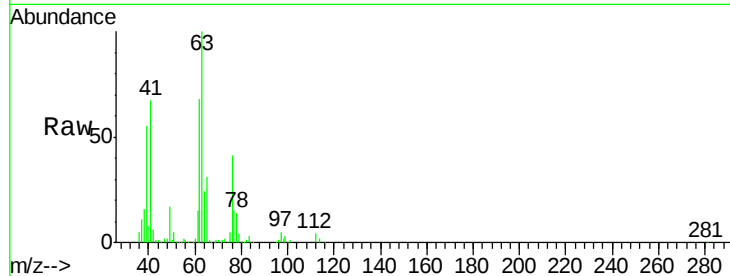




#45
 1,2-Dichloropropane
 Concen: 50.704 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

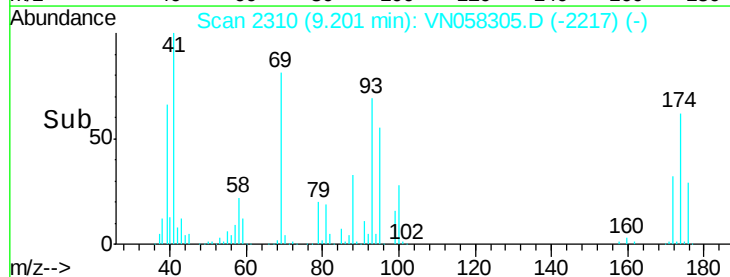
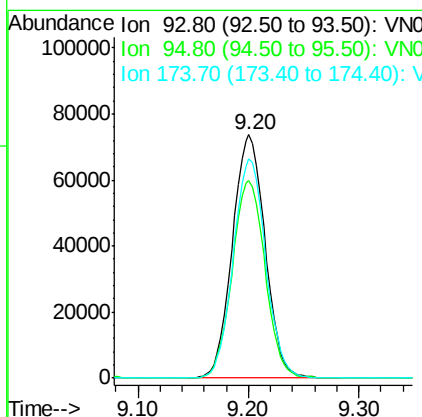
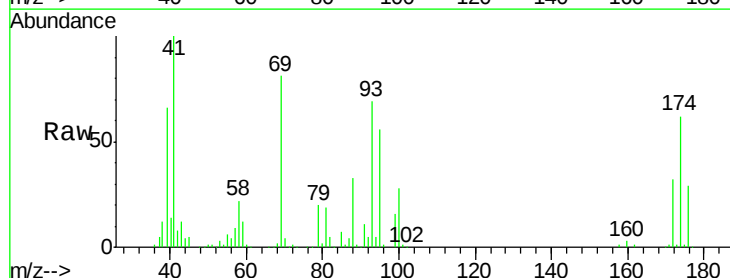
Instrument :
 MSVOA_N
 ClientSampled :

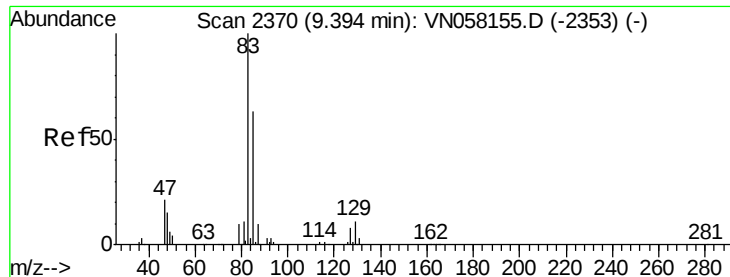
Tot Ion: 63 Resp: 247730
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6



#46
 Dibromomethane
 Concen: 51.025 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 93 Resp: 151568
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.8 100.2
 174 89.5 73.8 110.8





#47

Bromodichloromethane

Concen: 52.601 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

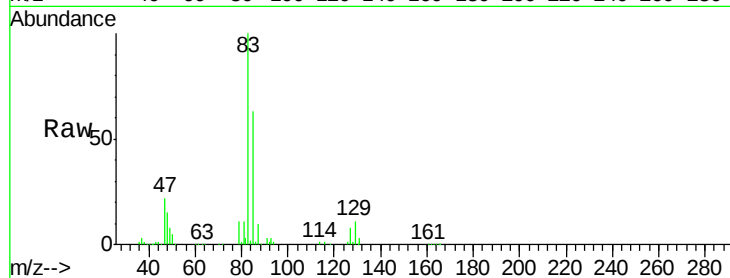
Tot Ion: 83 Resp: 327337

Ion Ratio Lower Upper

83 100

85 62.8 50.1 75.1

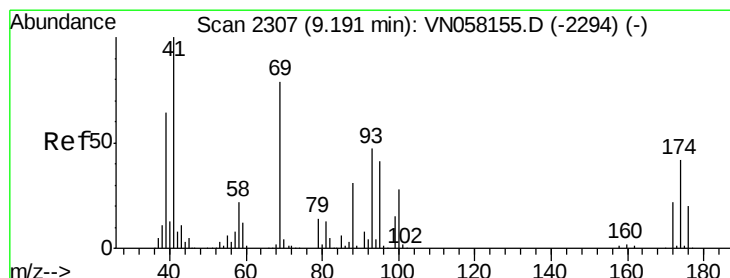
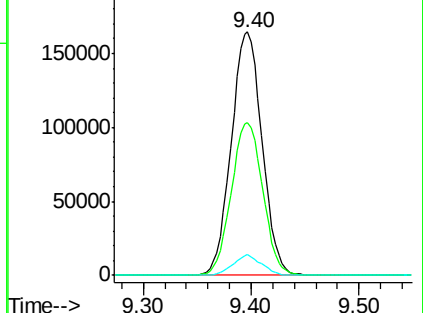
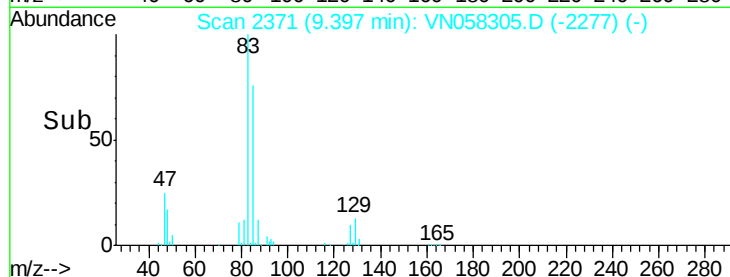
127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 54.988 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

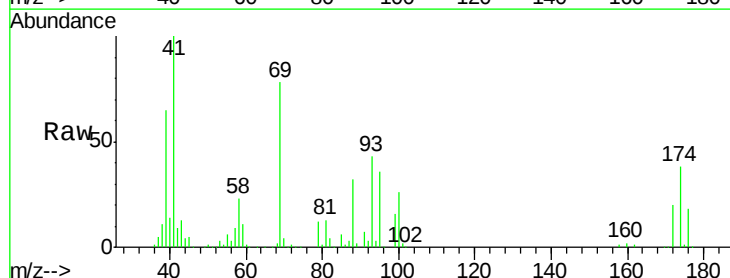
Tgt Ion: 41 Resp: 259194

Ion Ratio Lower Upper

41 100

69 79.9 62.5 93.7

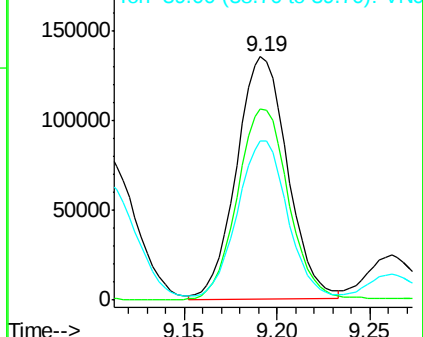
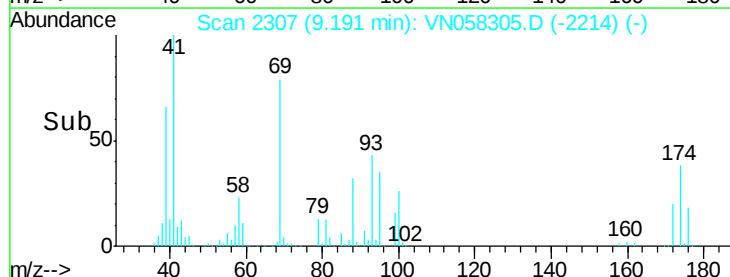
39 65.1 52.3 78.5

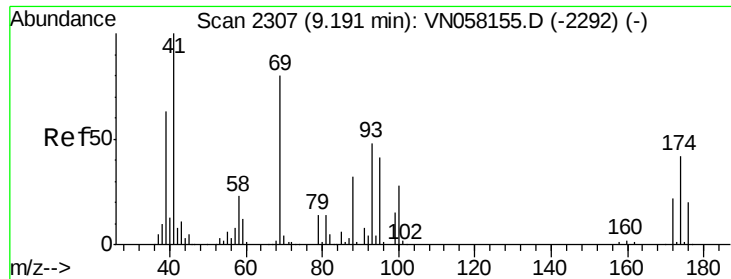


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

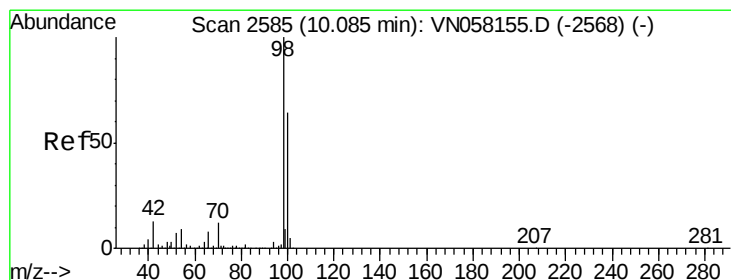
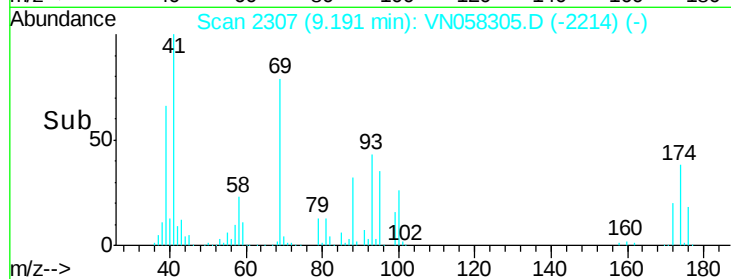
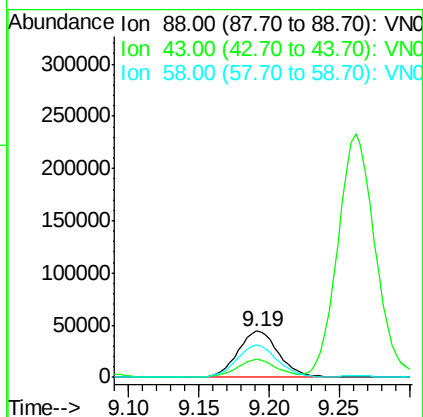
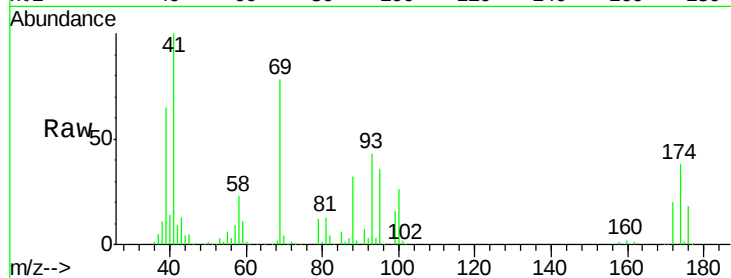




#49
 1,4-Dioxane
 Concen: 1163.986 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

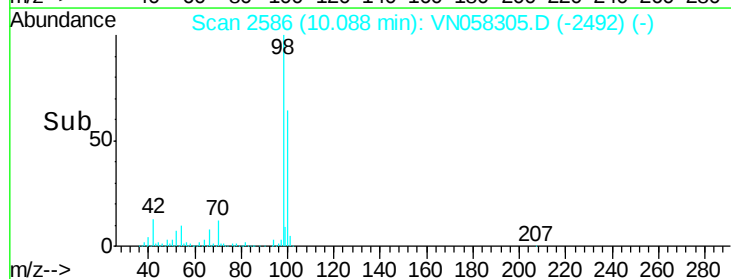
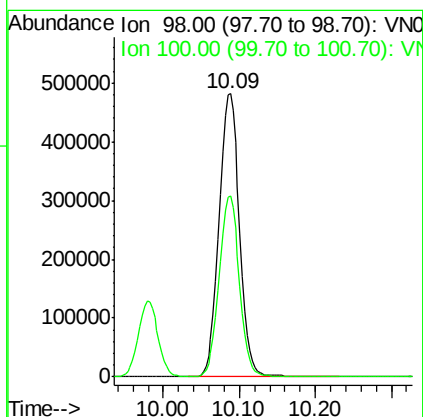
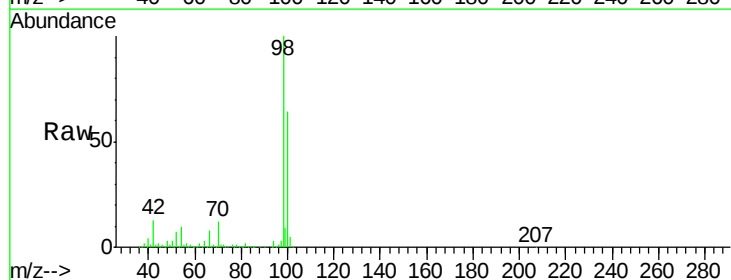
Instrument :
 MSVOA_N
 ClientSampled :

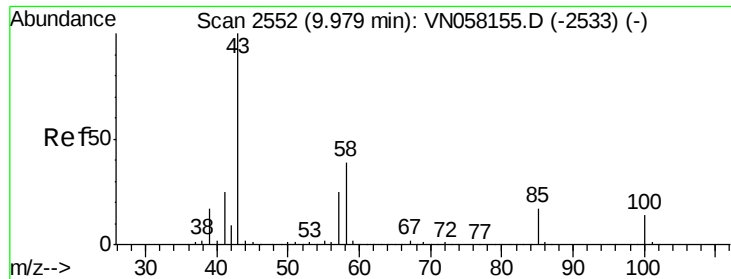
Tot Ion: 88 Resp: 90080
 Ion Ratio Lower Upper
 88 100
 43 36.3 27.8 41.8
 58 70.3 55.0 82.4



#50
 Toluene-d8
 Concen: 51.075 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 98 Resp: 898540
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 314.484 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

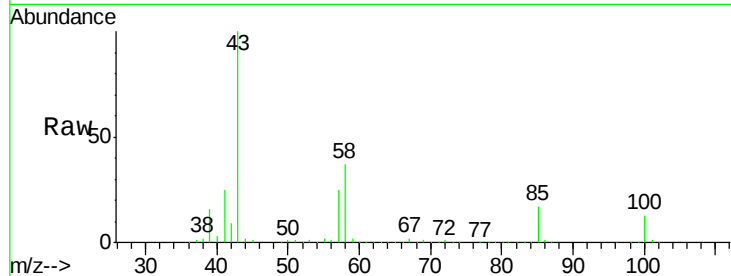
ClientSampleId :

Tot Ion: 43 Resp: 1734126

Ion Ratio Lower Upper

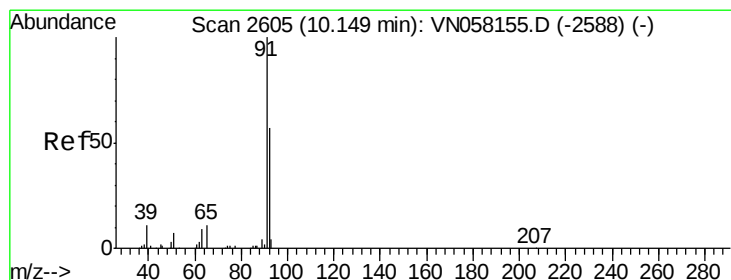
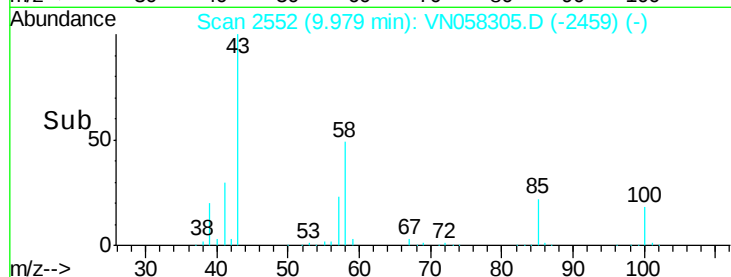
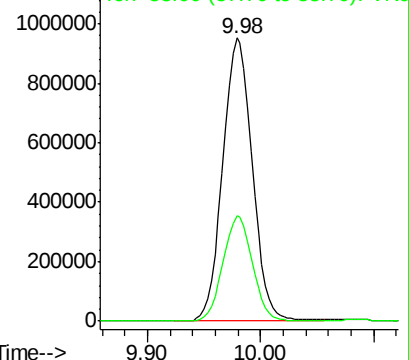
43 100

58 37.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.829 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058305.D

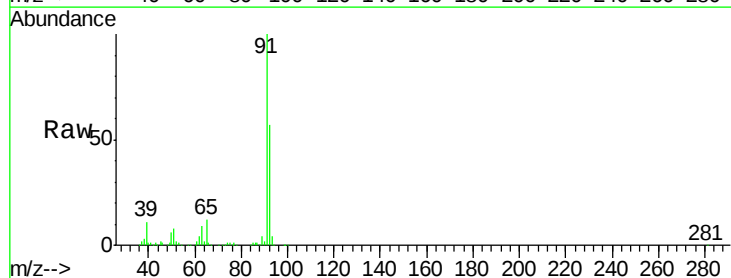
Acq: 23 Sep 2019 19:57

Tgt Ion: 92 Resp: 500644

Ion Ratio Lower Upper

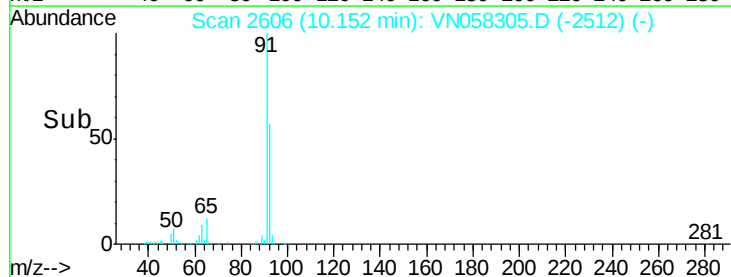
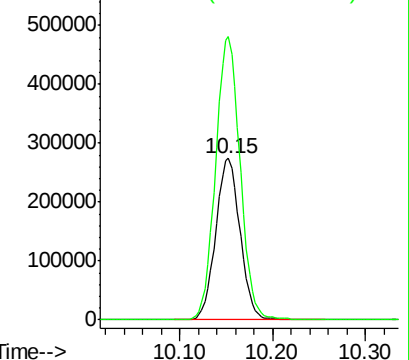
92 100

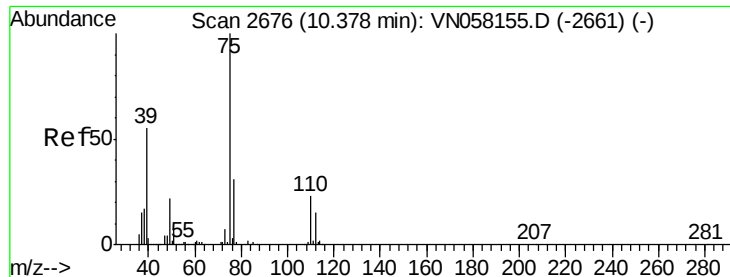
91 176.5 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.545 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

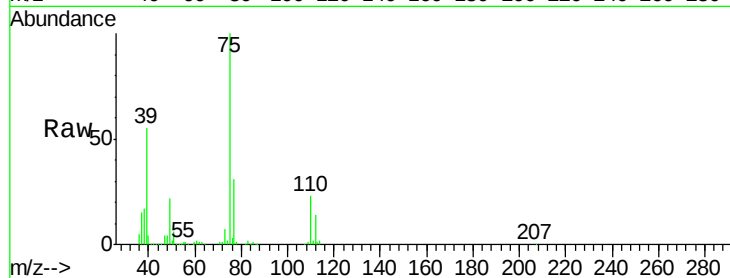
ClientSampleId :

Tot Ion: 75 Resp: 334950

Ion Ratio Lower Upper

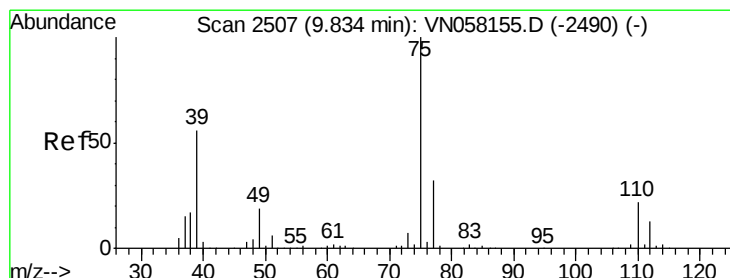
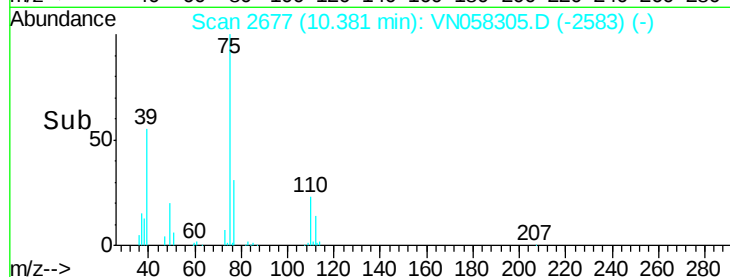
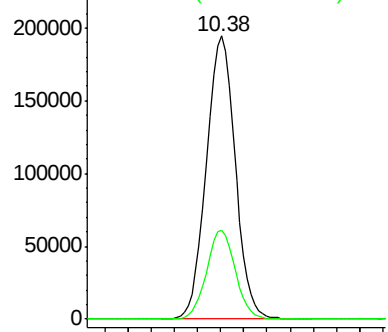
75 100

77 31.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.944 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

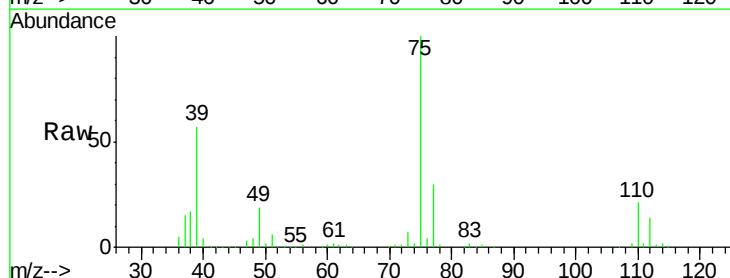
Tgt Ion: 75 Resp: 358538

Ion Ratio Lower Upper

75 100

77 30.1 25.4 38.0

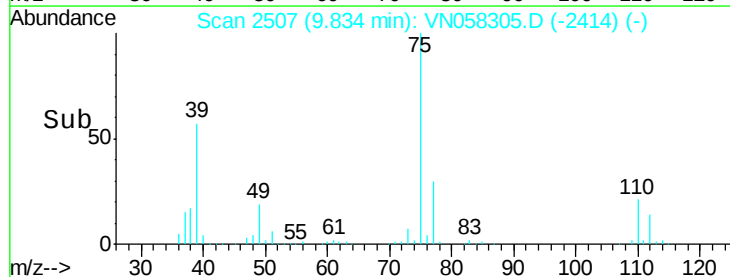
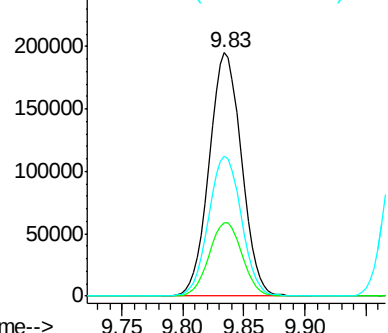
39 57.5 45.0 67.6

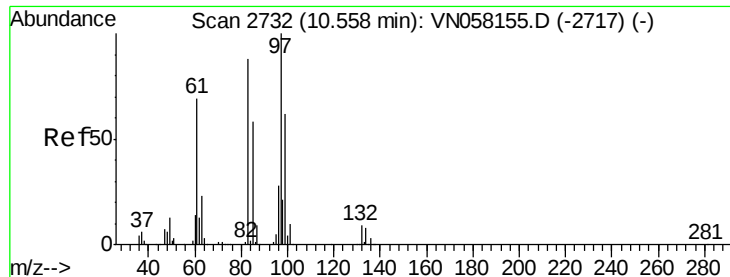


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 54.783 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 249265

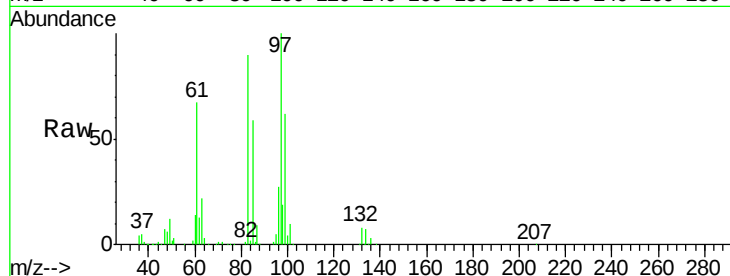
Ion Ratio Lower Upper

97 100

83 89.7 70.4 105.6

85 58.6 46.8 70.2

99 61.6 49.9 74.9

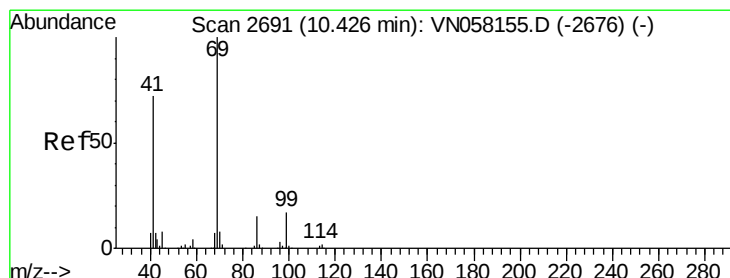
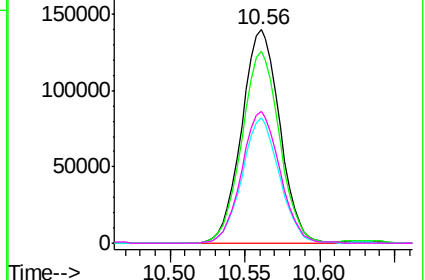
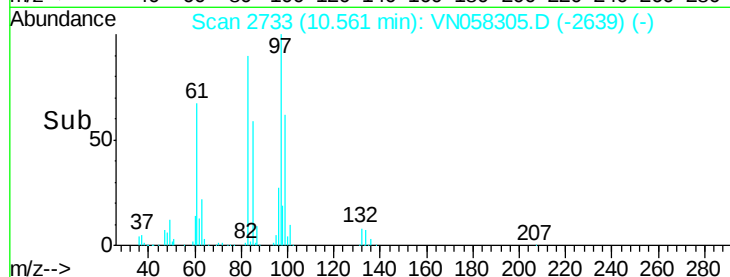


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.717 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

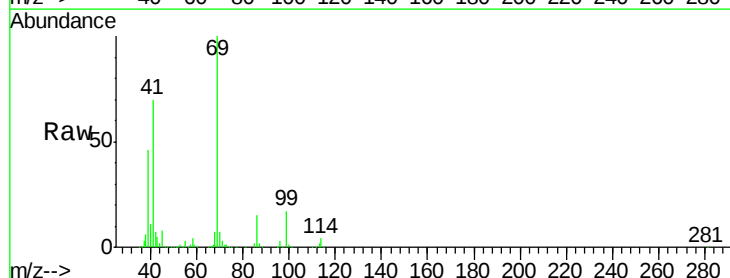
Tgt Ion: 69 Resp: 365782

Ion Ratio Lower Upper

69 100

41 70.8 57.5 86.3

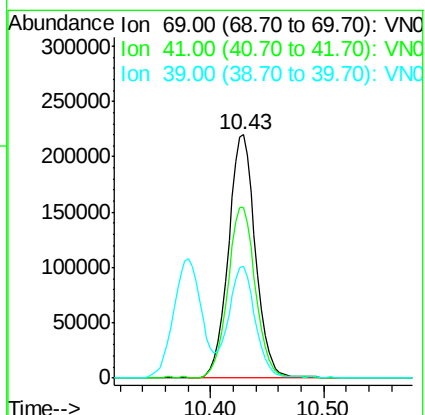
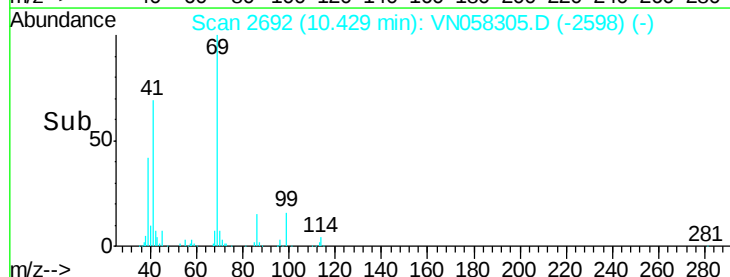
39 44.7 36.1 54.1

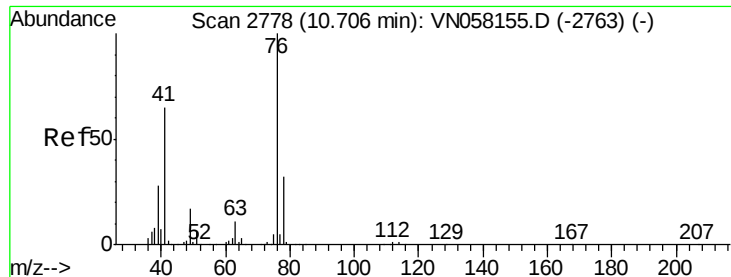


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.567 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

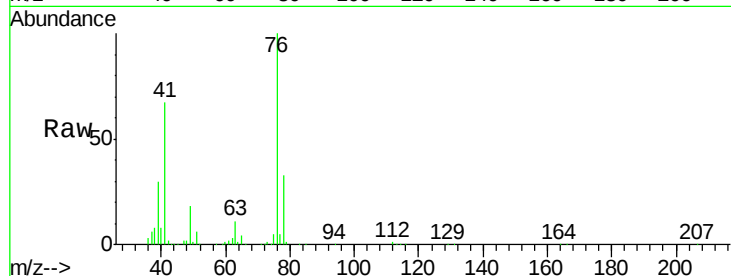
ClientSampled :

Tot Ion: 76 Resp: 411181

Ion Ratio Lower Upper

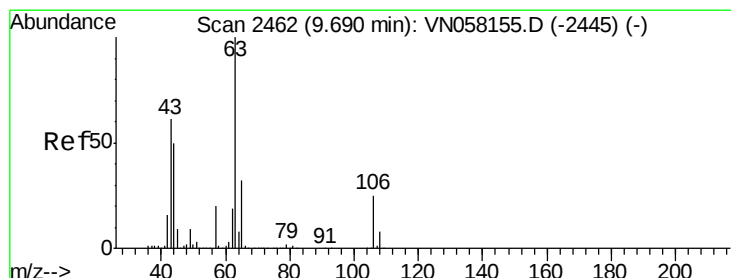
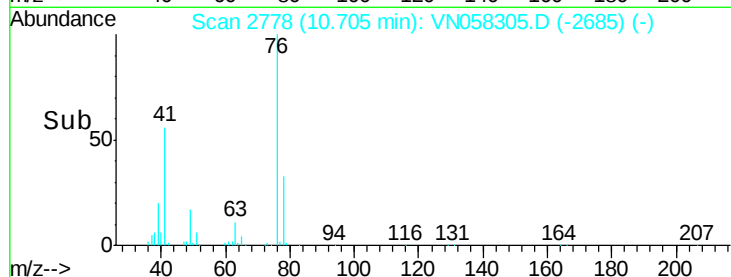
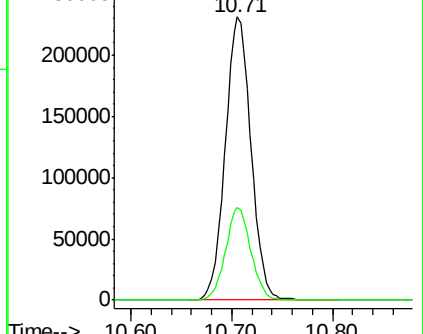
76 100

78 32.3 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 286.776 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058305.D

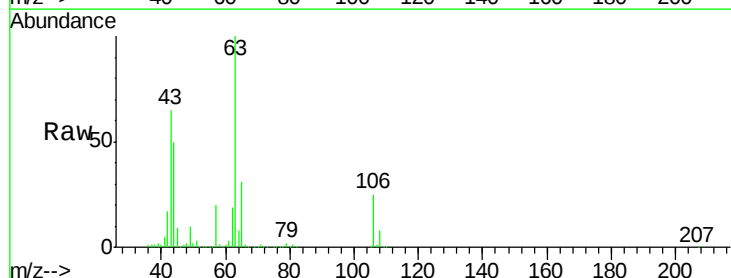
Acq: 23 Sep 2019 19:57

Tgt Ion: 63 Resp: 896767

Ion Ratio Lower Upper

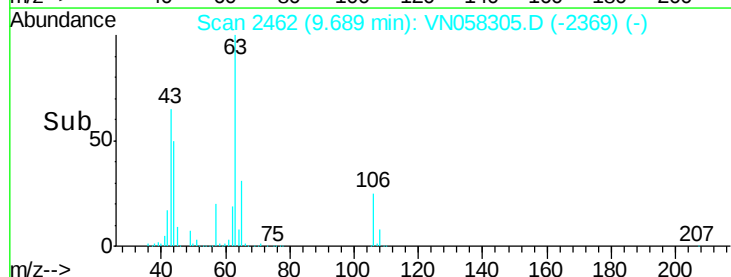
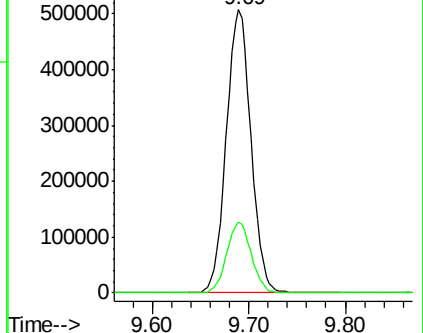
63 100

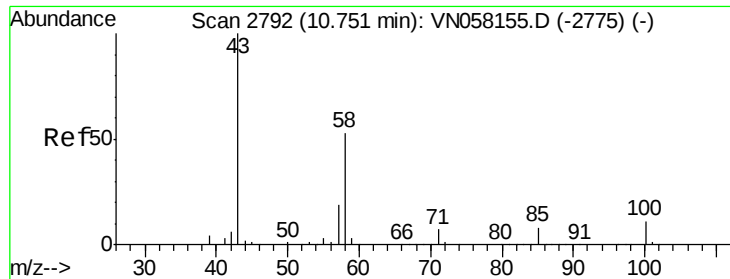
106 25.0 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

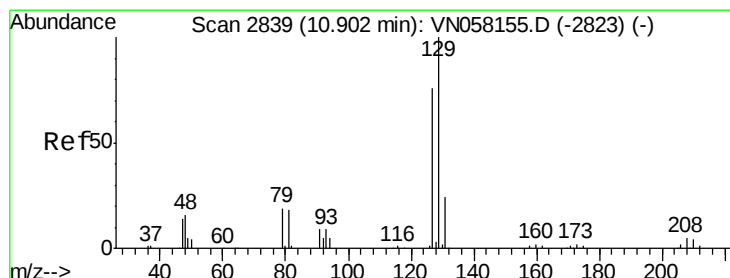
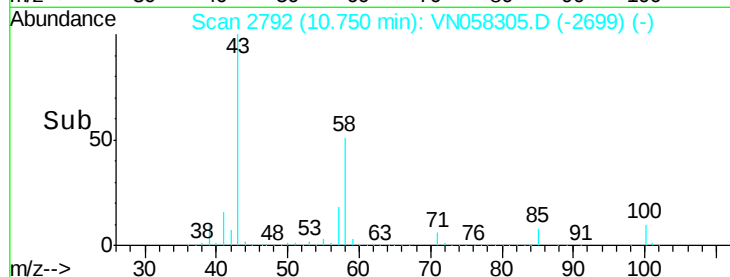
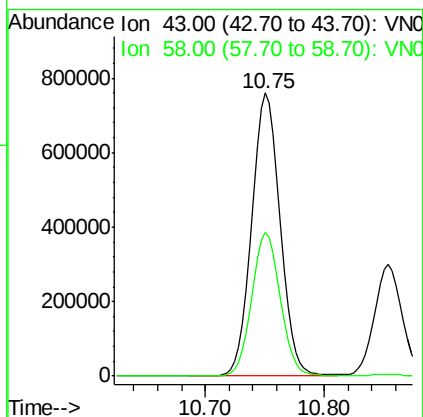
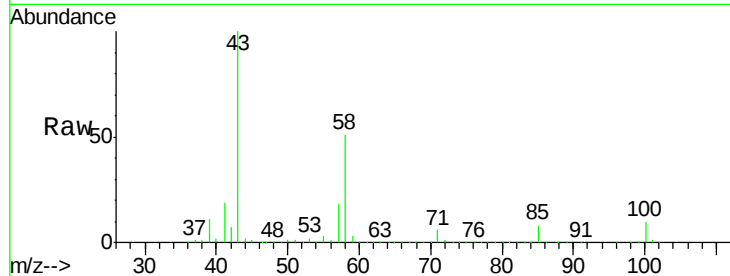




#59
2-Hexanone
Concen: 307.103 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

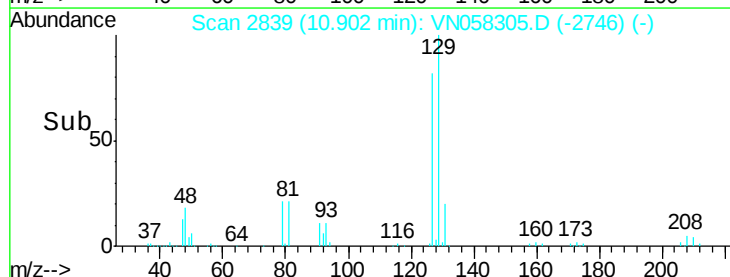
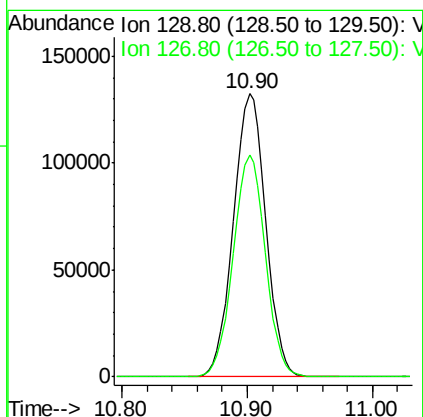
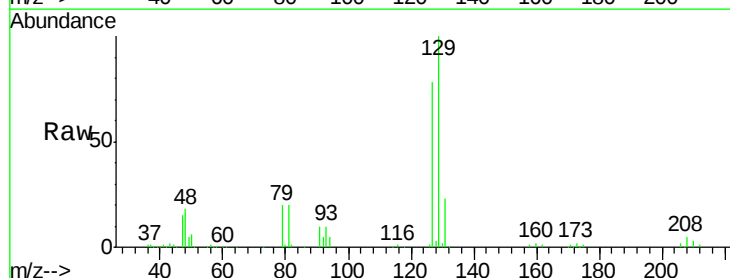
Instrument :
MSVOA_N
ClientSampled :

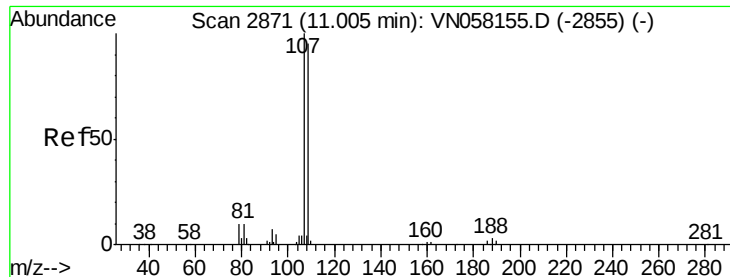
Tot Ion: 43 Resp: 1257694
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0



#60
Dibromochloromethane
Concen: 54.281 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 129 Resp: 237610
Ion Ratio Lower Upper
129 100
127 78.1 38.7 116.1

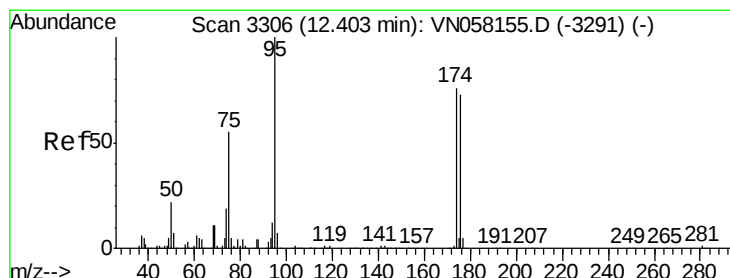
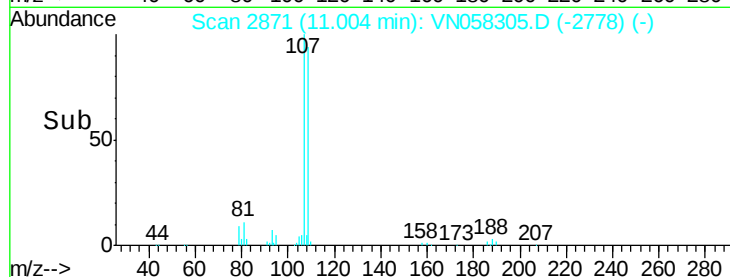
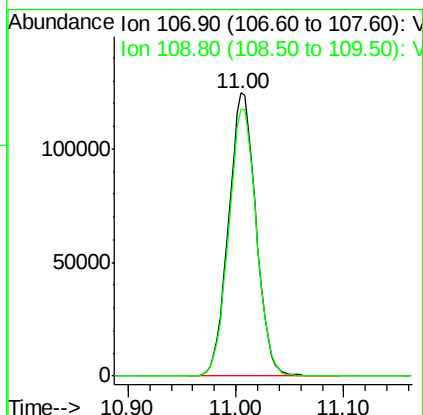
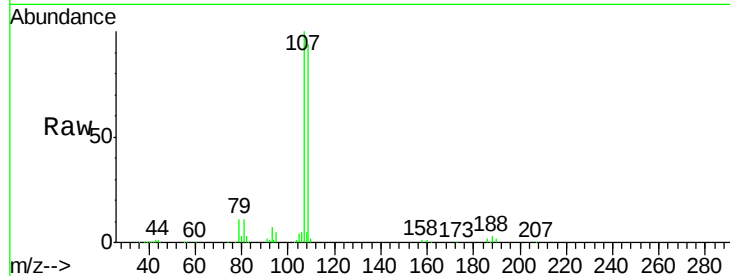




#61
 1,2-Dibromoethane
 Concen: 52.397 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

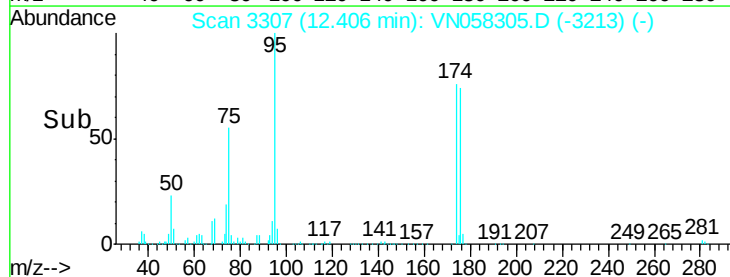
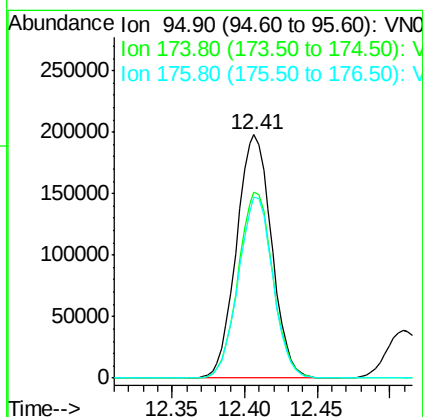
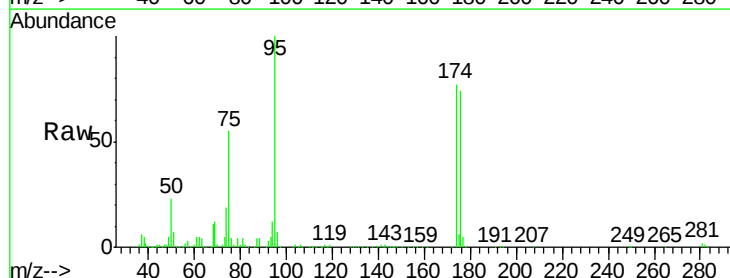
Instrument :
 MSVOA_N
 ClientSampled :

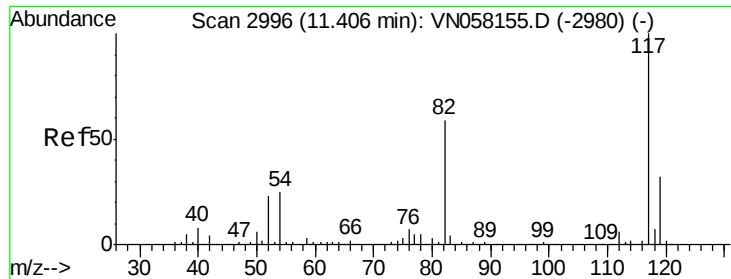
Tot Ion: 107 Resp: 220942
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.988 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 95 Resp: 333205
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 152.2
 176 73.2 0.0 148.0

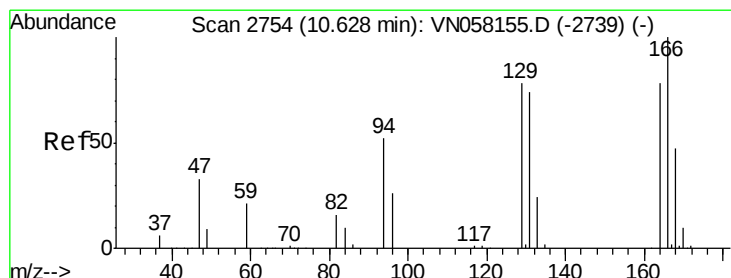
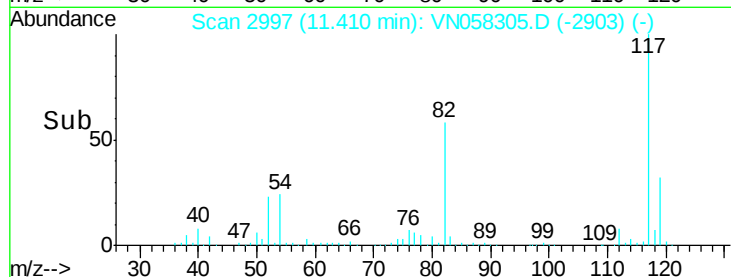
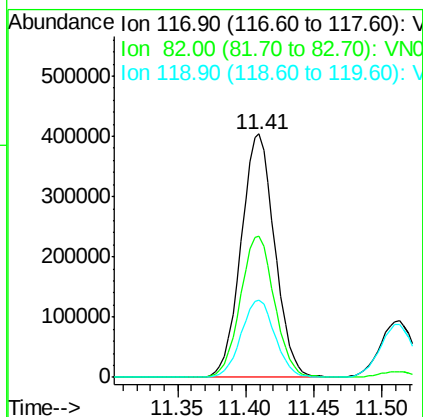
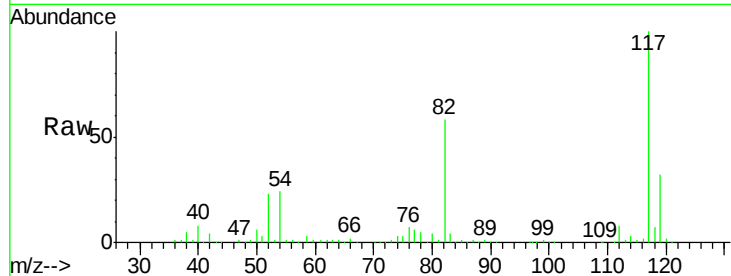




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

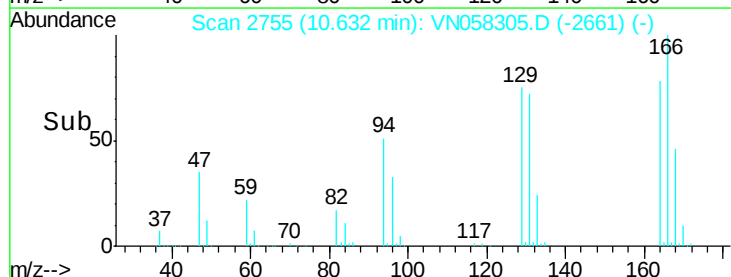
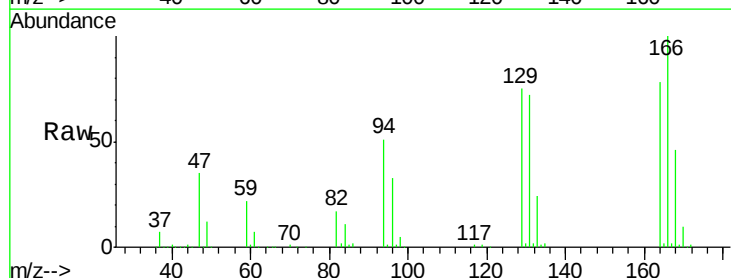
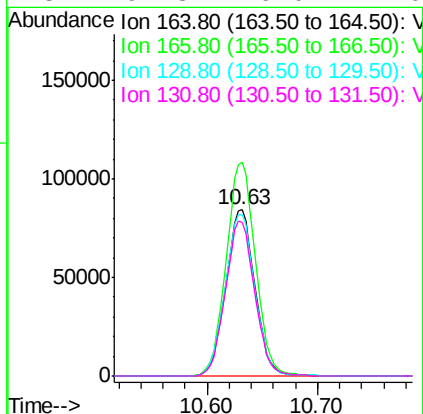
Instrument :
MSVOA_N
ClientSampled :

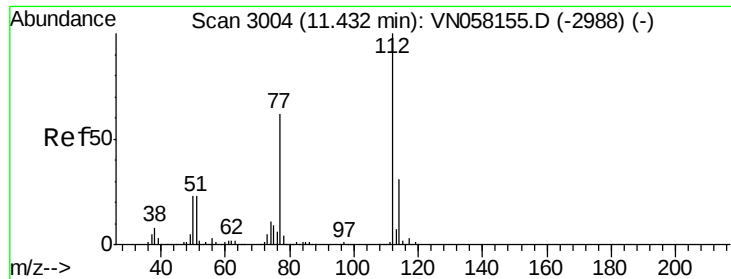
Tot Ion:117 Resp: 692094
Ion Ratio Lower Upper
117 100
82 58.0 46.9 70.3
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 45.738 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion:164 Resp: 154311
Ion Ratio Lower Upper
164 100
166 128.7 102.2 153.4
129 96.8 79.6 119.4
131 92.3 76.0 114.0

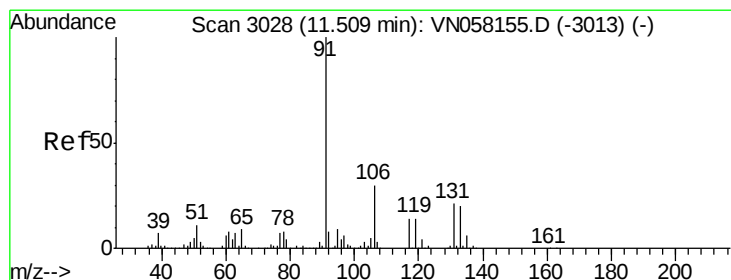
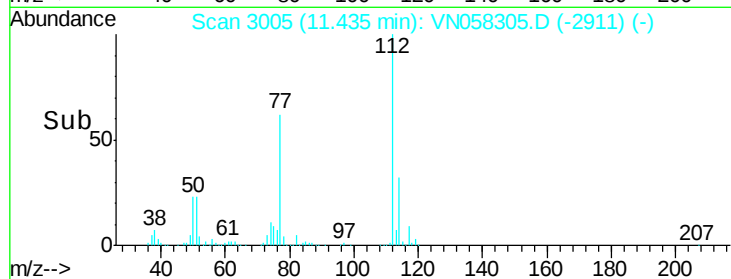
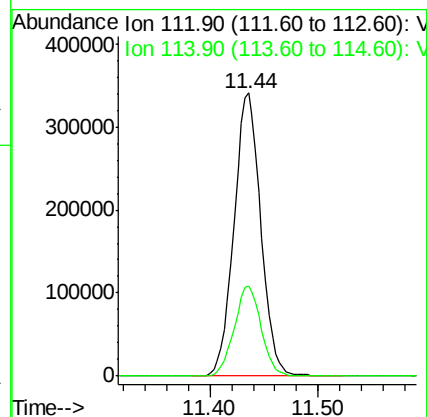
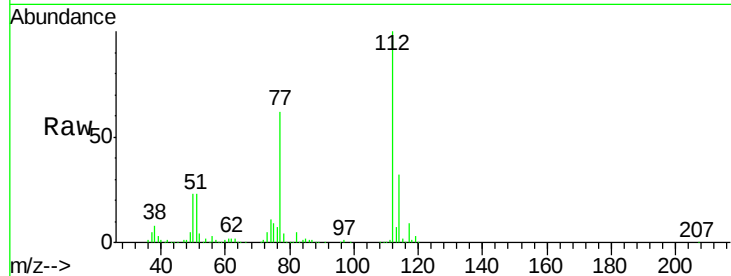




#65
Chlorobenzene
Concen: 48.377 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

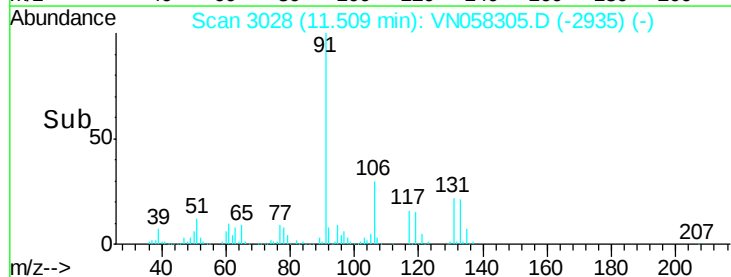
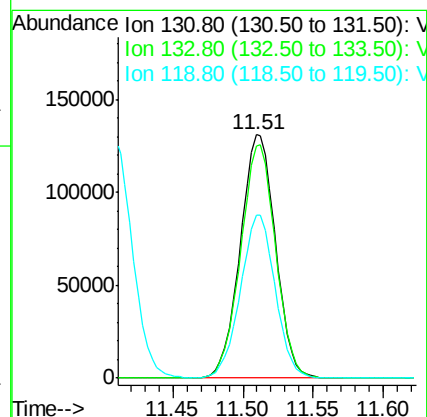
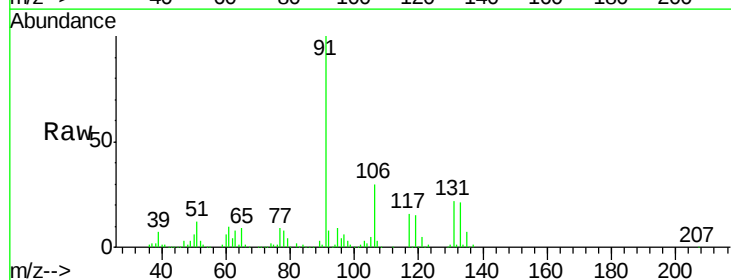
Instrument :
MSVOA_N
ClientSampleId :

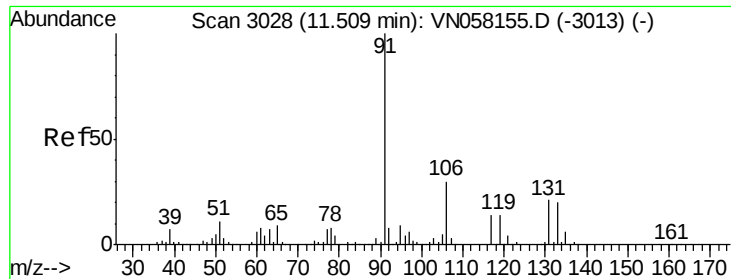
Tot Ion:112 Resp: 588915
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.957 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion:131 Resp: 229345
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 66.2 33.1 99.3

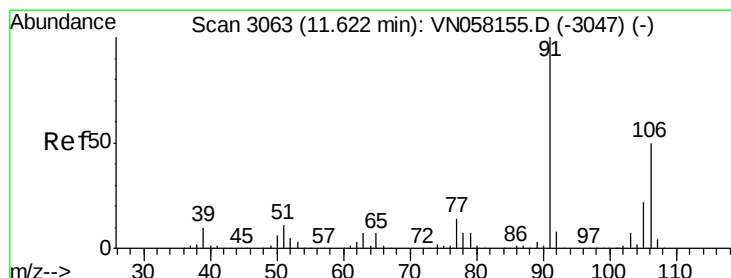
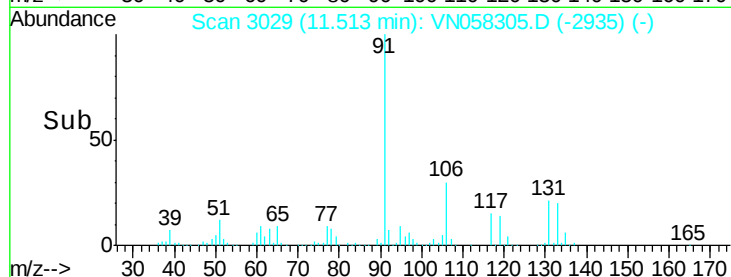
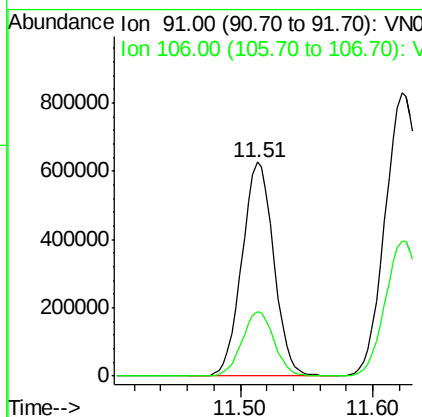
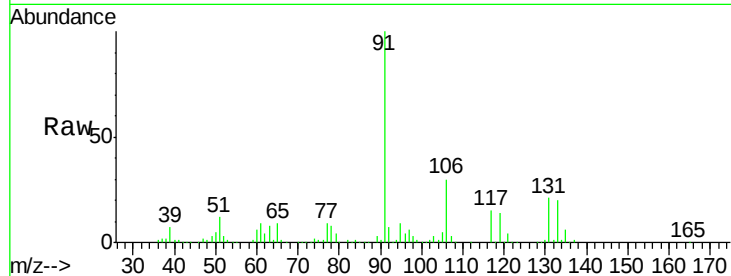




#67
Ethyl Benzene
Concen: 50.168 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

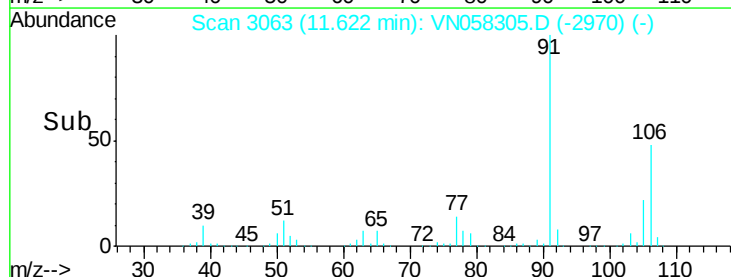
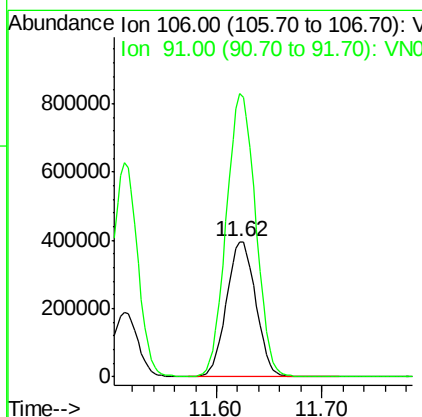
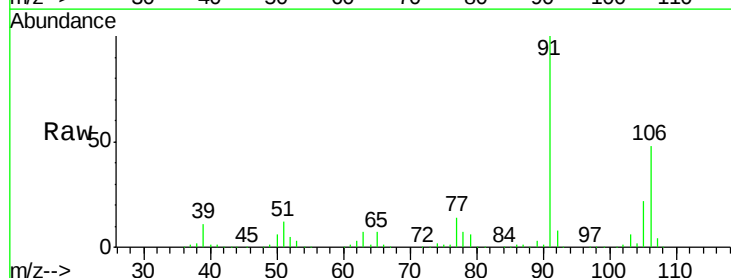
Instrument :
MSVOA_N
ClientSampleId :

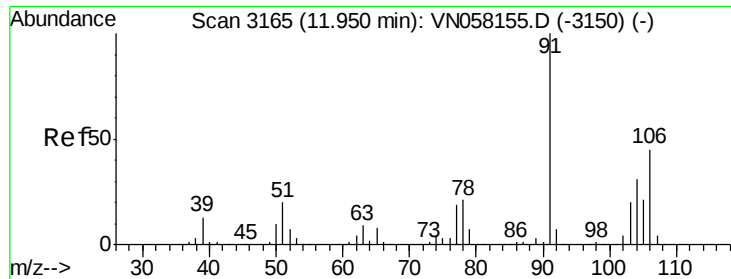
Tot Ion: 91 Resp: 1046454
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#68
m/p-Xylenes
Concen: 96.792 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 106 Resp: 760410
Ion Ratio Lower Upper
106 100
91 209.6 163.6 245.4

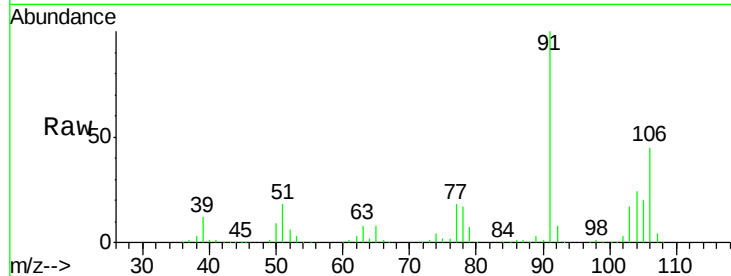




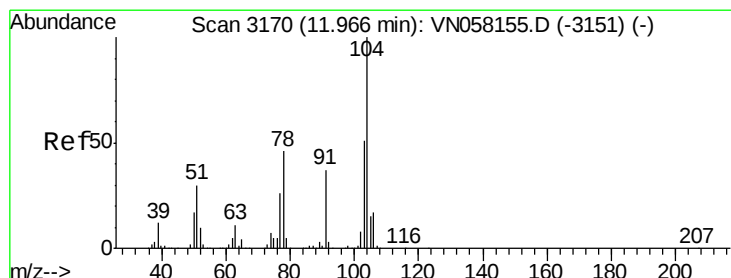
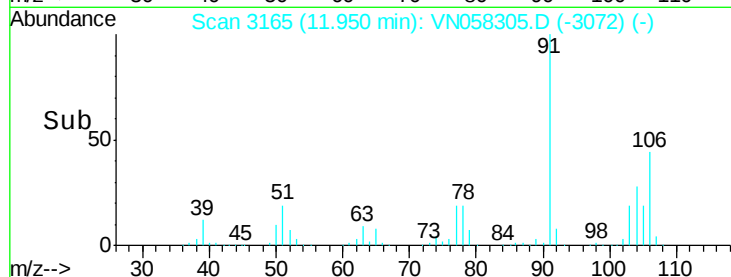
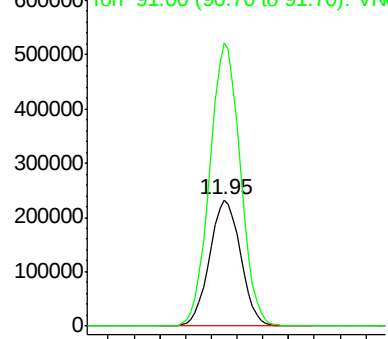
#69
o-Xylene
Concen: 50.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 388563
Ion Ratio Lower Upper
106 100
91 221.7 111.8 335.3

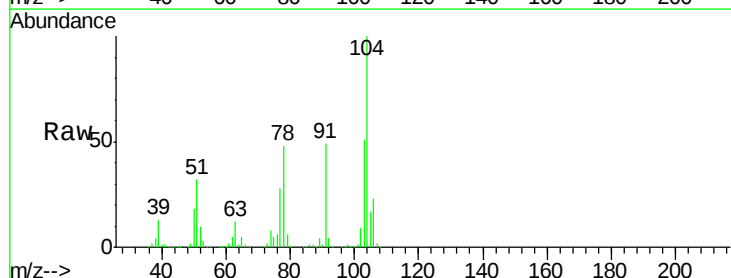


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

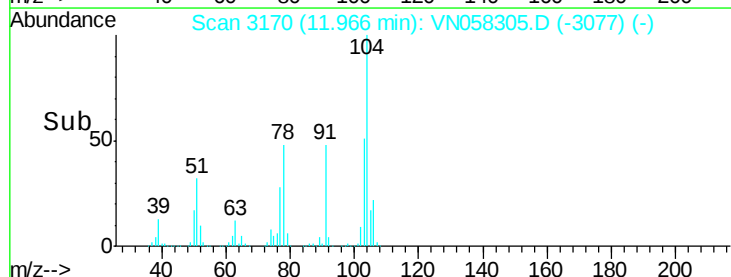
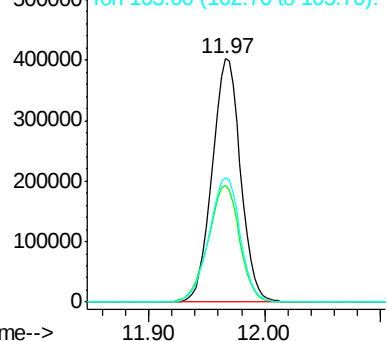


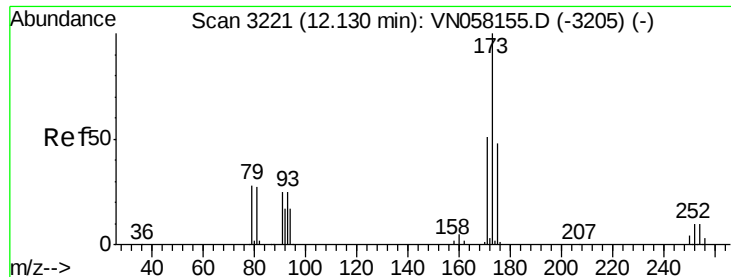
#70
Styrene
Concen: 51.438 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion:104 Resp: 684630
Ion Ratio Lower Upper
104 100
78 53.0 41.8 62.8
103 56.1 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 47.053 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

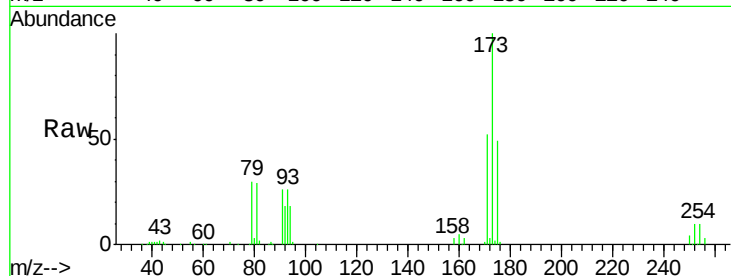
Tot Ion:173 Resp: 153240

Ion Ratio Lower Upper

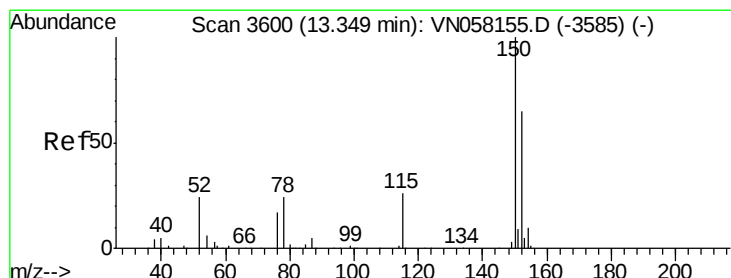
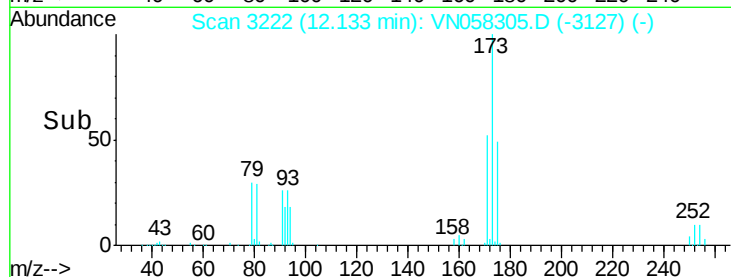
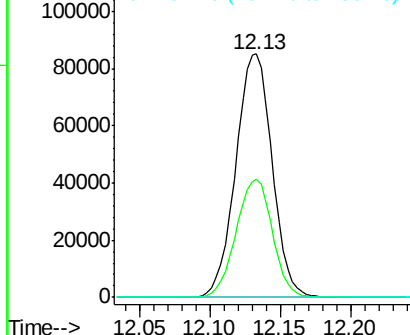
173 100

175 48.6 24.2 72.6

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# 3601

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

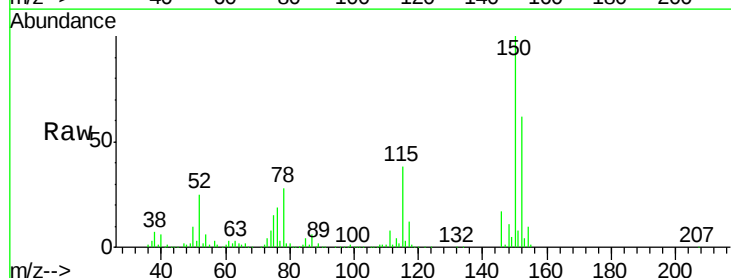
Tgt Ion:152 Resp: 340921

Ion Ratio Lower Upper

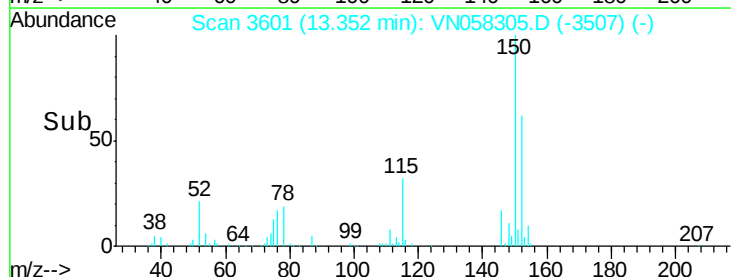
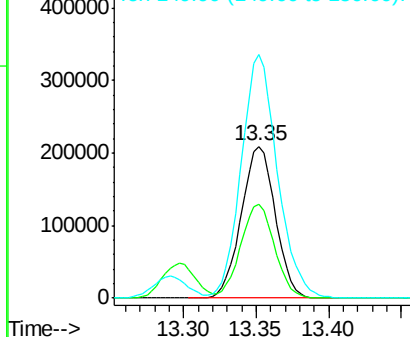
152 100

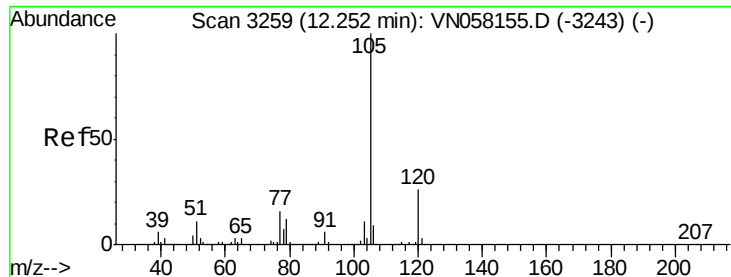
115 61.8 30.1 90.3

150 170.9 0.0 346.4



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: 51.354 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

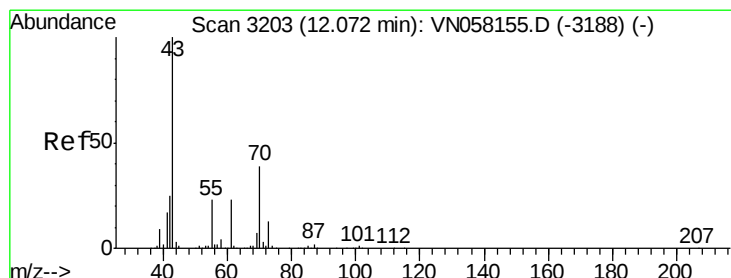
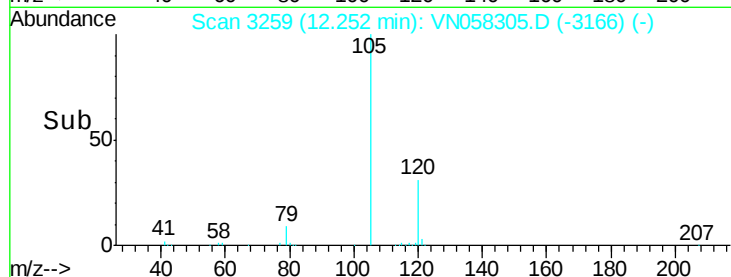
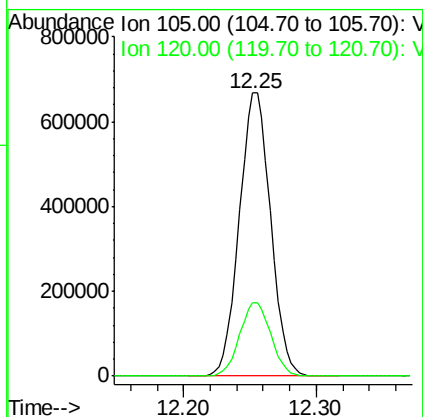
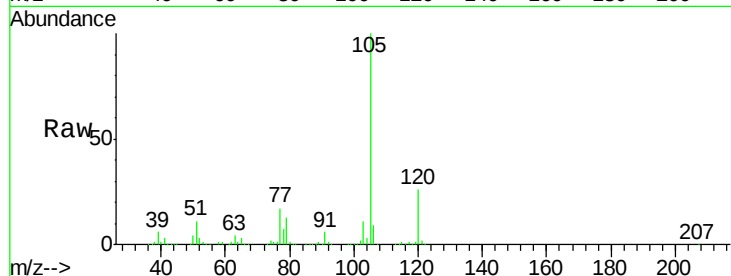
ClientSampleId :

Tot Ion:105 Resp: 1095859

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 57.324 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion: 43 Resp: 511746

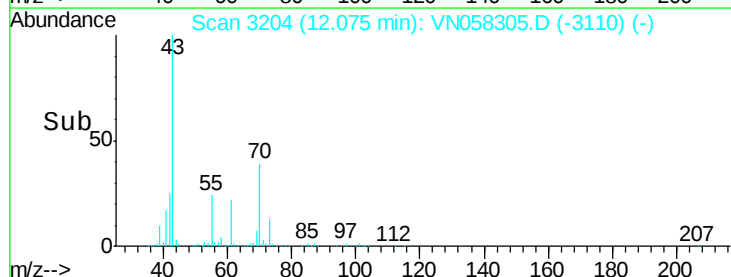
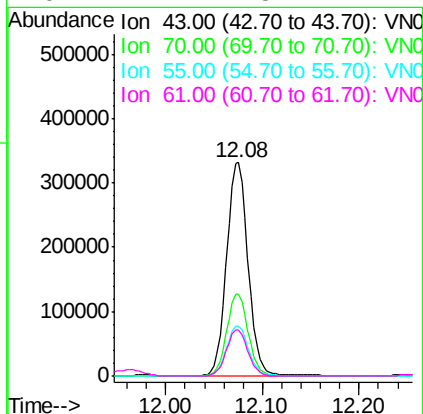
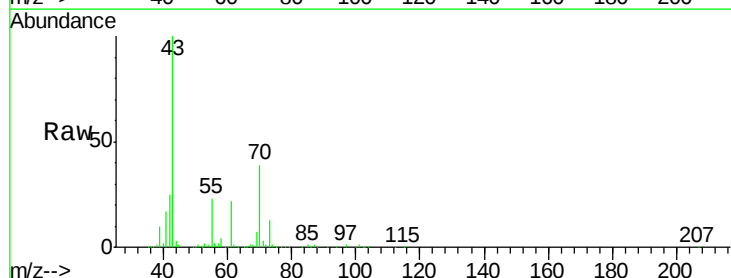
Ion Ratio Lower Upper

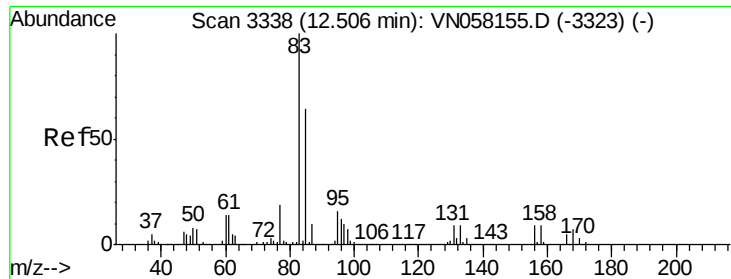
43 100

70 38.4 31.0 46.6

55 23.9 18.5 27.7

61 21.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.939 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

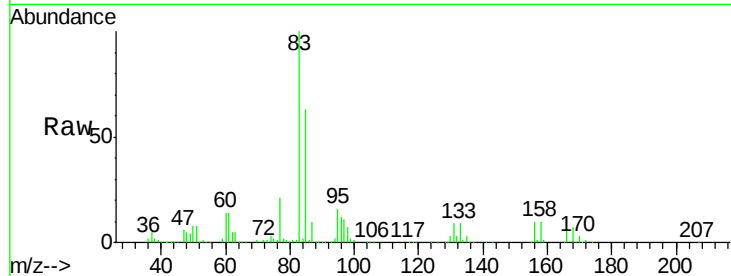
Tot Ion: 83 Resp: 399743

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

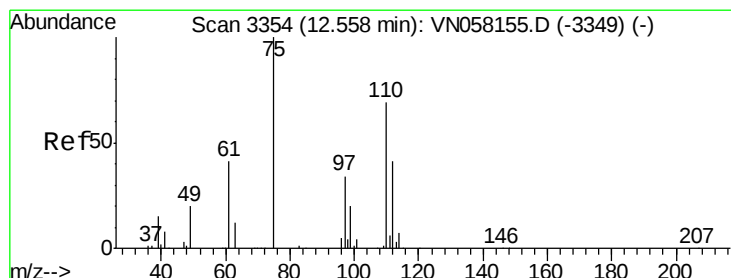
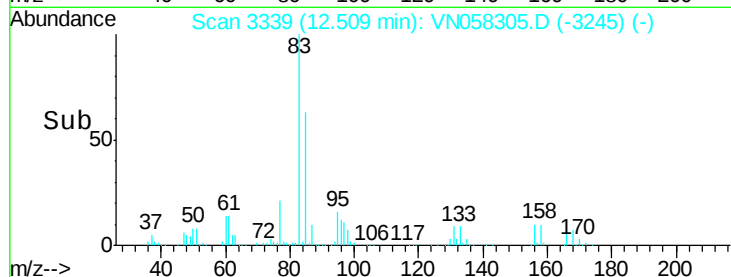
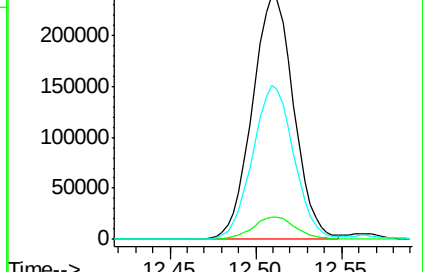
85 63.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 76.867 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058305.D

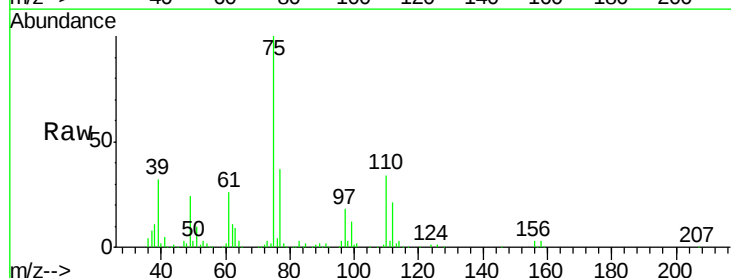
Acq: 23 Sep 2019 19:57

Tgt Ion: 75 Resp: 468997

Ion Ratio Lower Upper

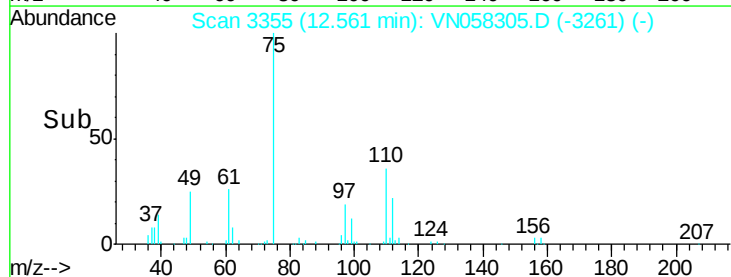
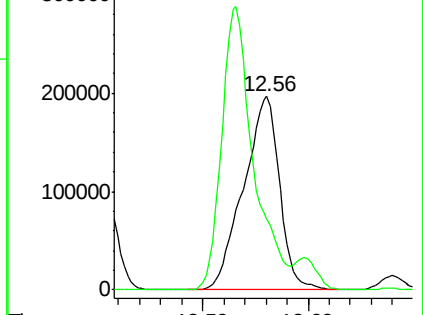
75 100

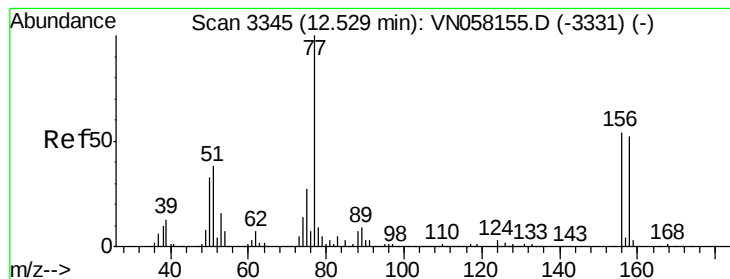
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.300 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

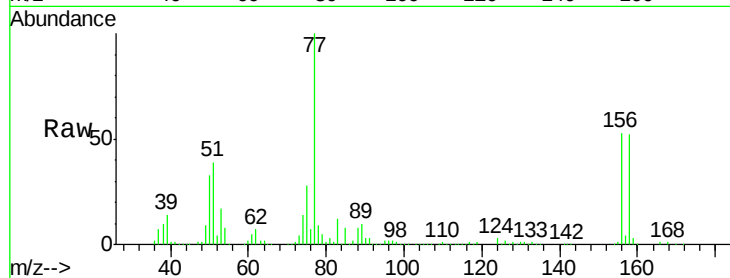
Tot Ion:156 Resp: 259262

Ion Ratio Lower Upper

156 100

77 232.2 111.7 335.1

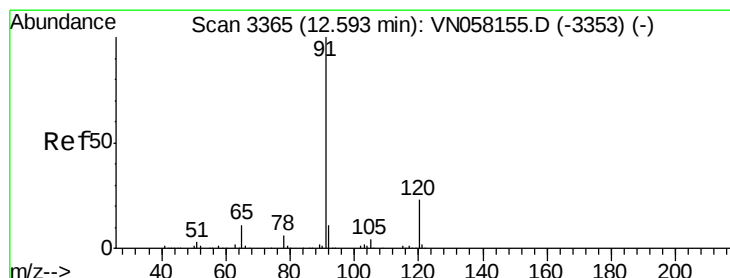
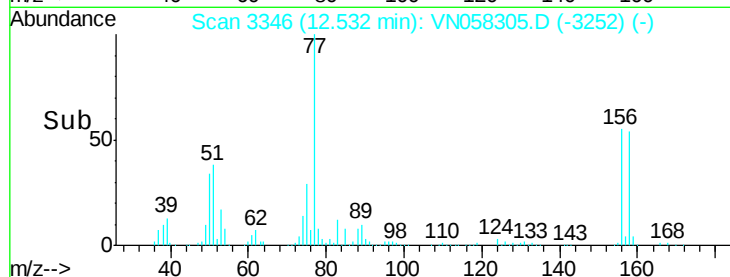
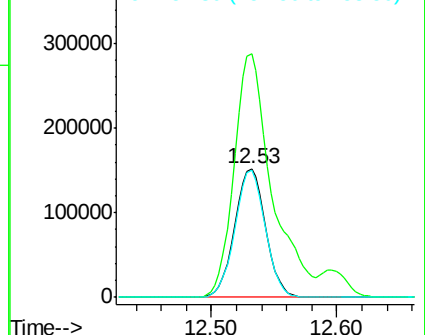
158 97.5 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.038 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058305.D

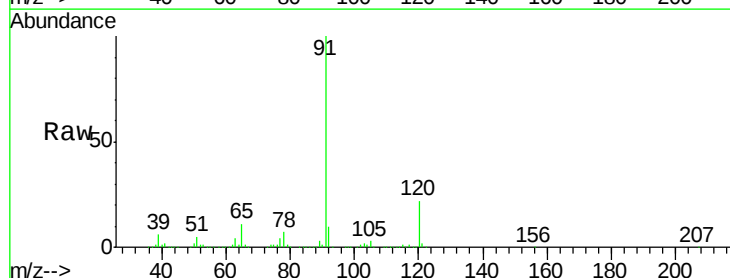
Acq: 23 Sep 2019 19:57

Tgt Ion: 91 Resp: 1286133

Ion Ratio Lower Upper

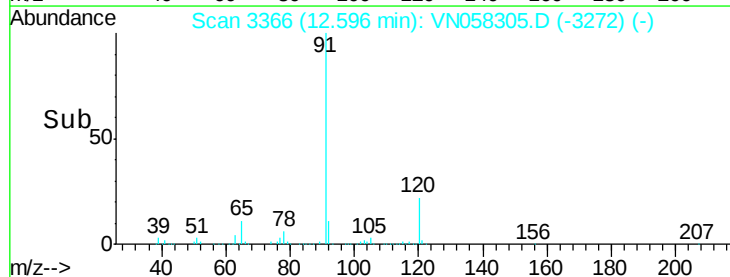
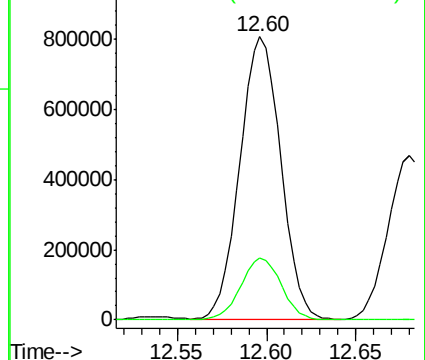
91 100

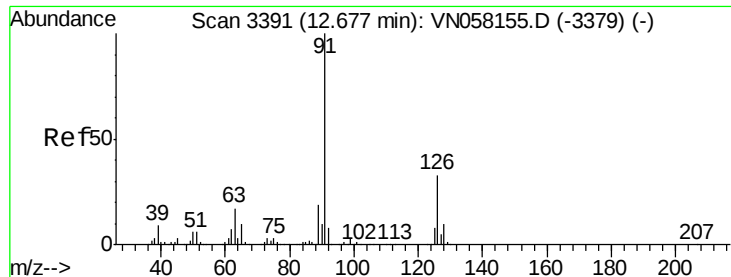
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.179 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

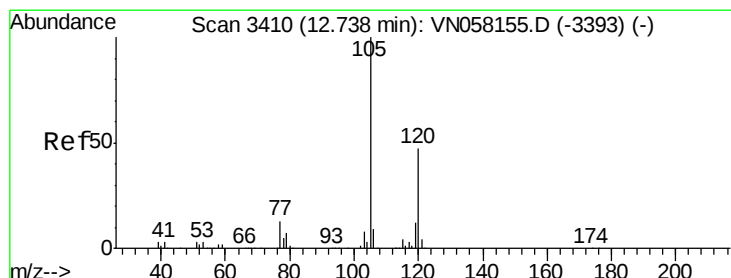
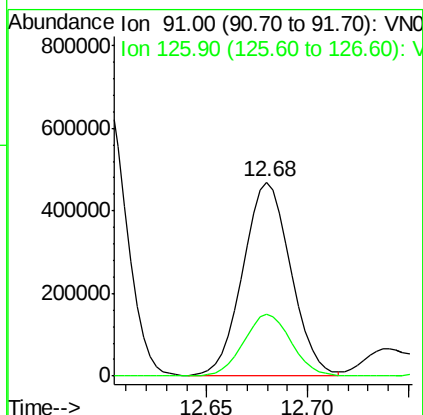
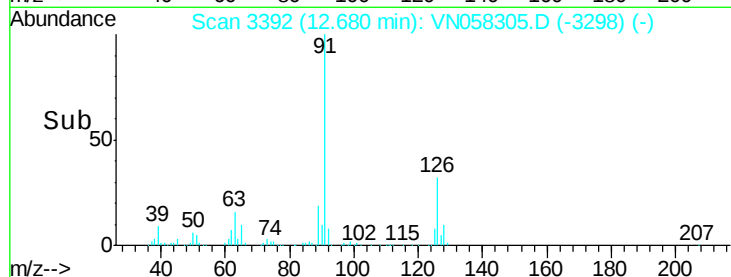
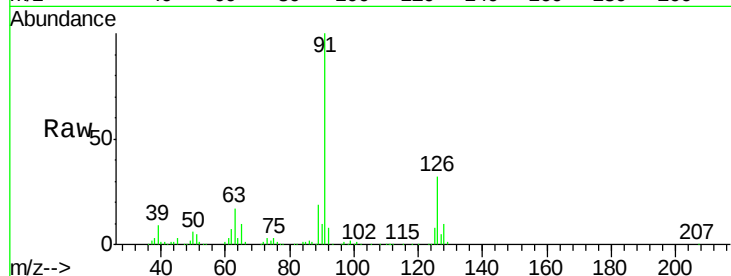
ClientSampled :

Tot Ion: 91 Resp: 775621

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 52.408 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058305.D

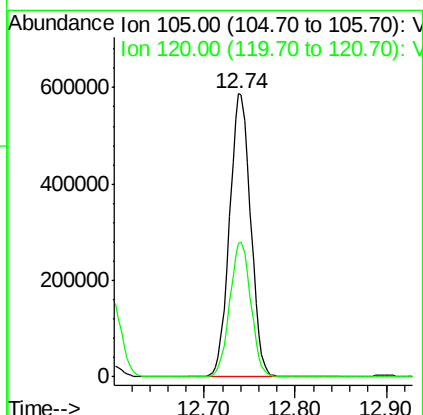
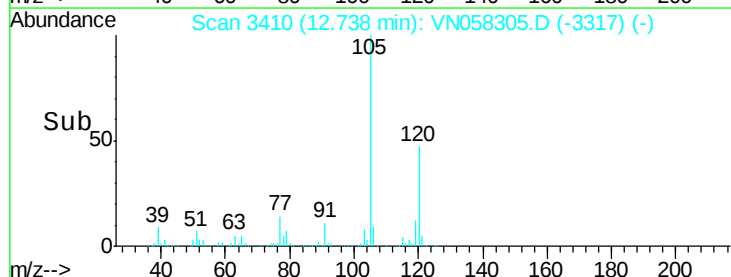
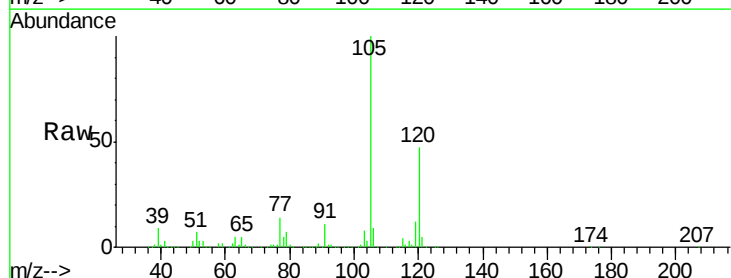
Acq: 23 Sep 2019 19:57

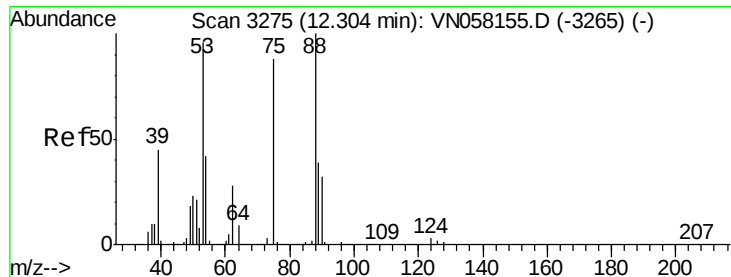
Tgt Ion: 105 Resp: 945715

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.896 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

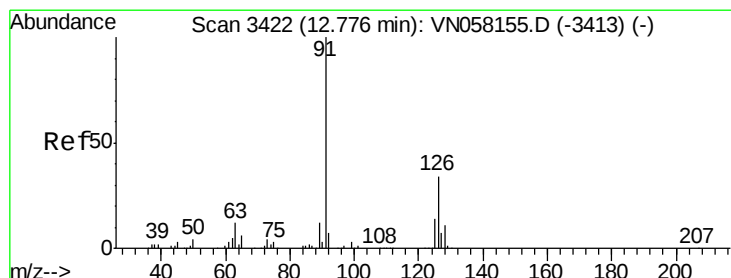
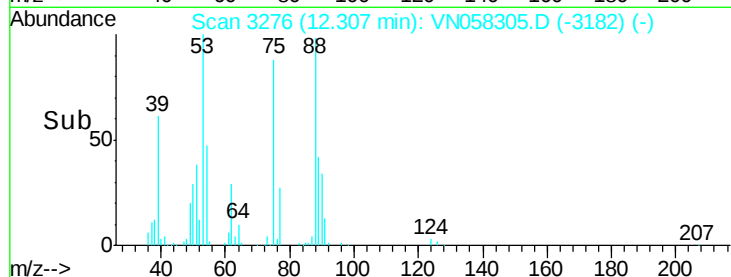
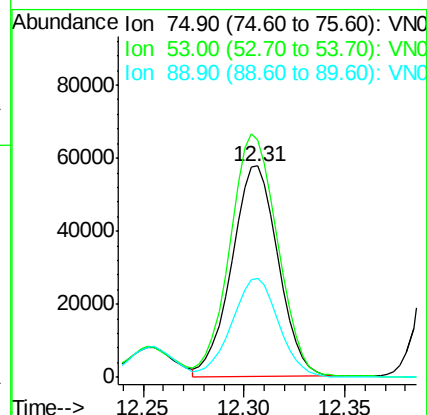
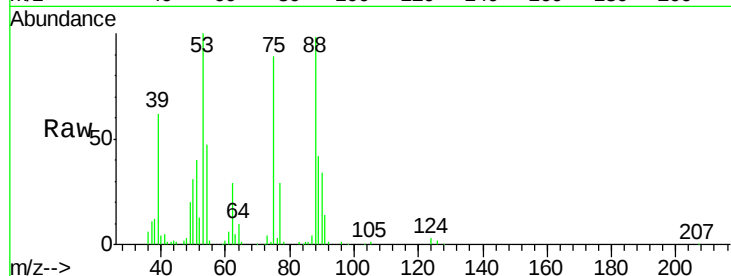
Tot Ion: 75 Resp: 92989

Ion Ratio Lower Upper

75 100

53 117.2 90.1 135.1

89 48.2 36.2 54.2



#82

4-Chlorotoluene

Concen: 51.052 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058305.D

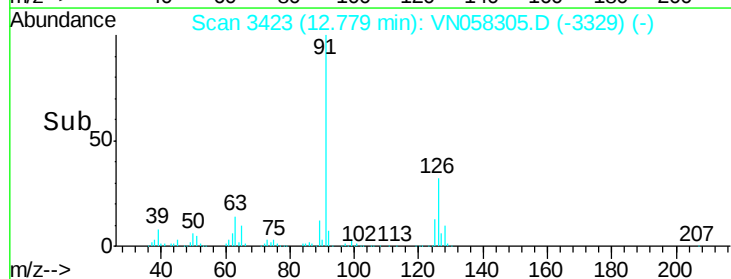
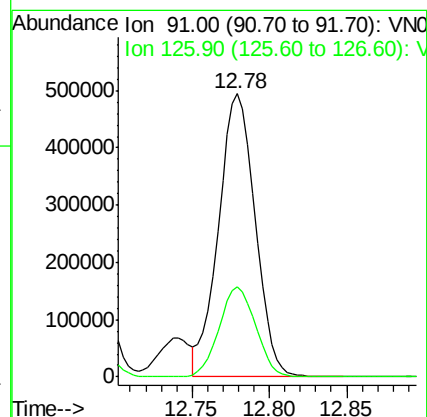
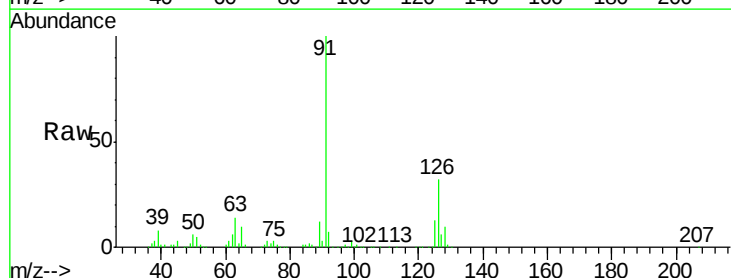
Acq: 23 Sep 2019 19:57

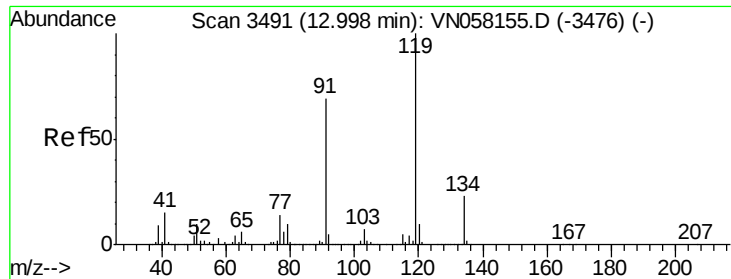
Tgt Ion: 91 Resp: 813276

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.1





#83

tert-Butylbenzene

Concen: 52.177 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

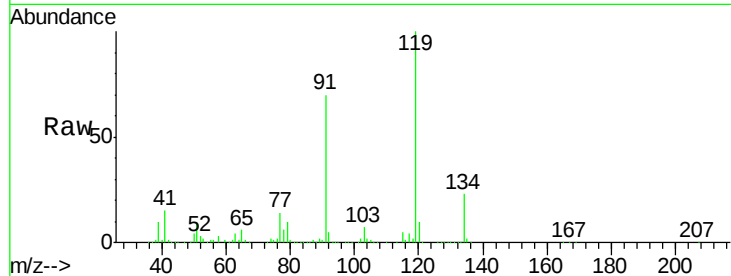
Tot Ion:119 Resp: 839649

Ion Ratio Lower Upper

119 100

91 68.0 33.8 101.3

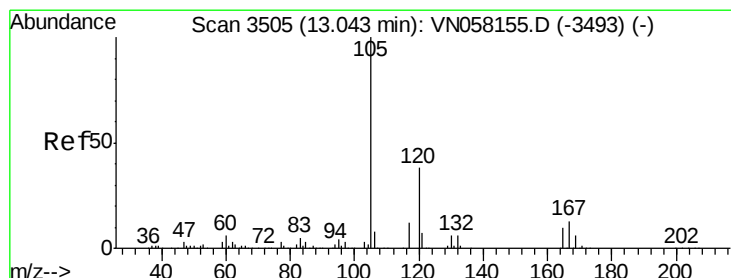
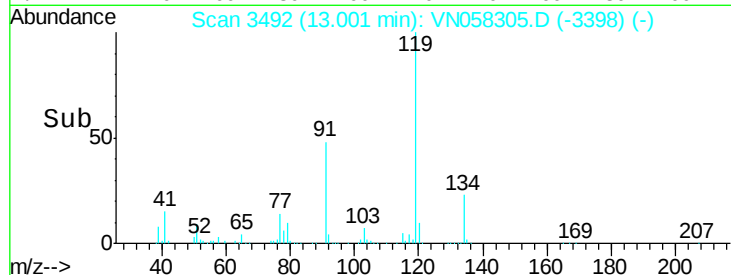
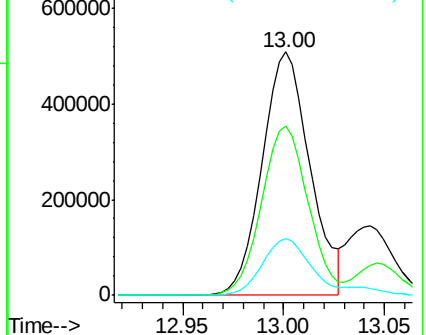
134 23.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.892 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058305.D

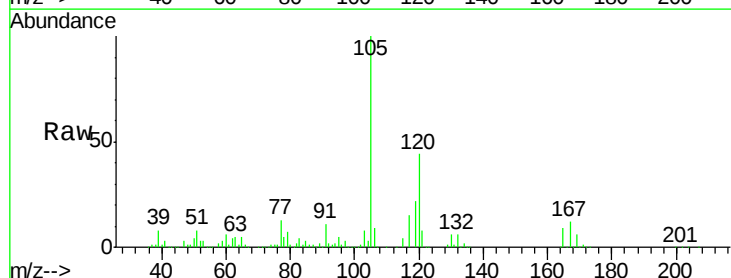
Acq: 23 Sep 2019 19:57

Tgt Ion:105 Resp: 967782

Ion Ratio Lower Upper

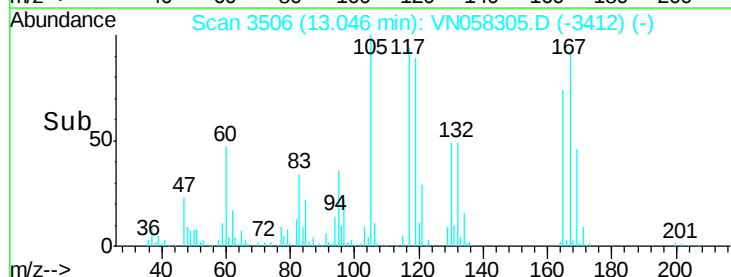
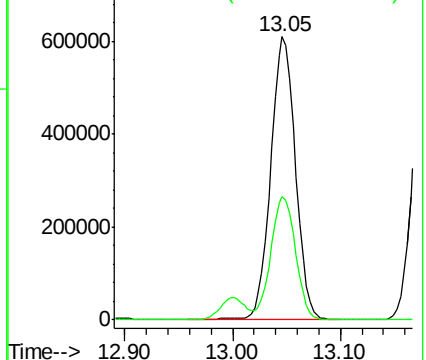
105 100

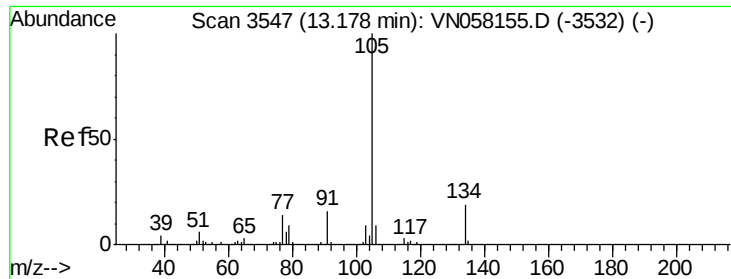
120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.816 ug/l

RT: 13.18 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

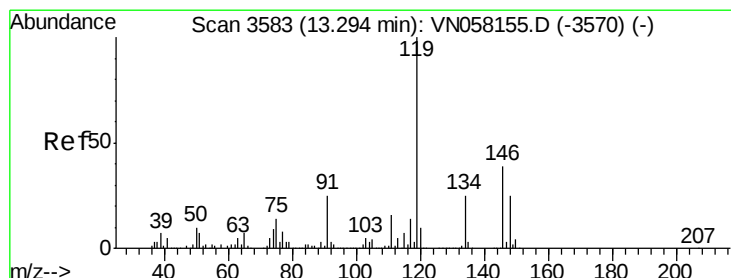
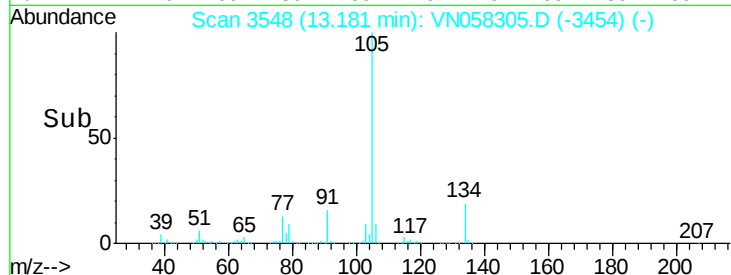
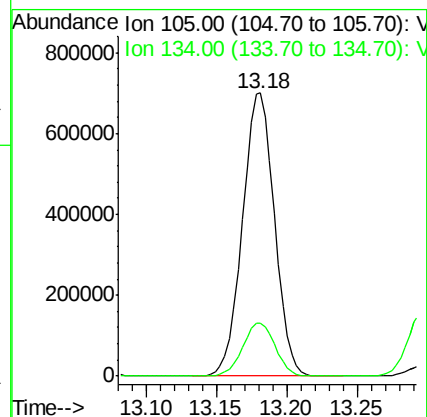
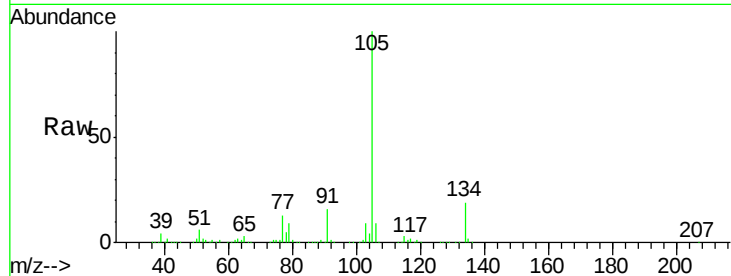
ClientSampleId :

Tot Ion:105 Resp: 1111430

Ion Ratio Lower Upper

105 100

134 19.1 9.5 28.5



#86

p-Isopropyltoluene

Concen: 52.942 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

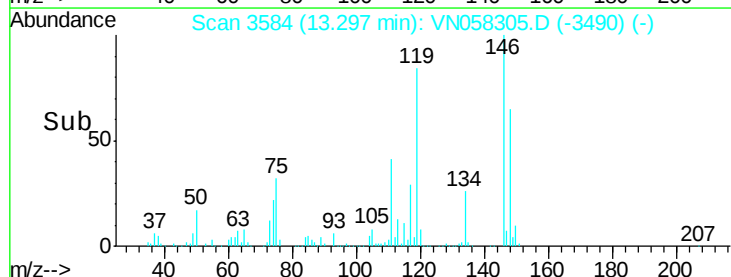
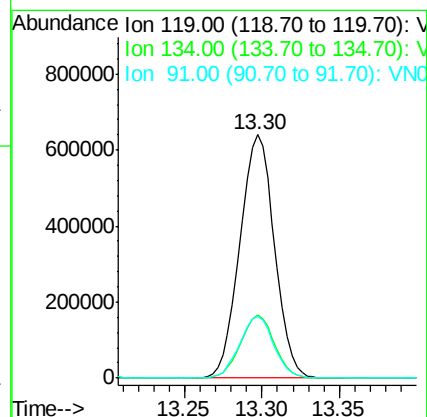
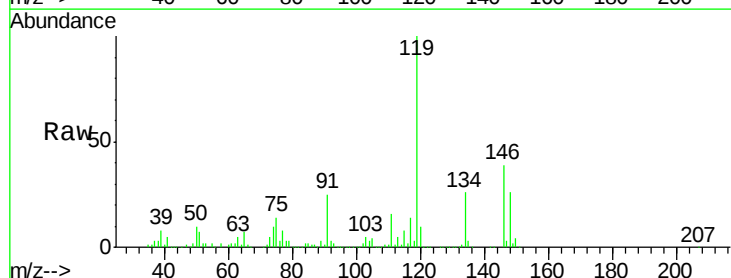
Tgt Ion:119 Resp: 990422

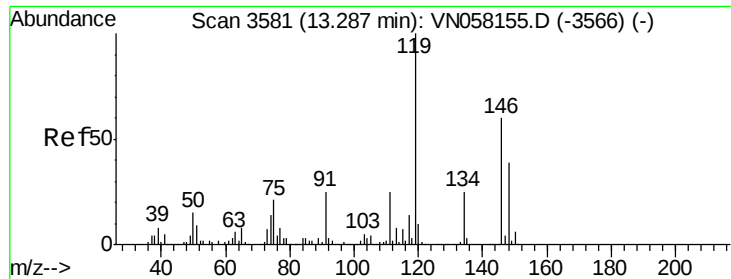
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 25.1 12.3 36.8

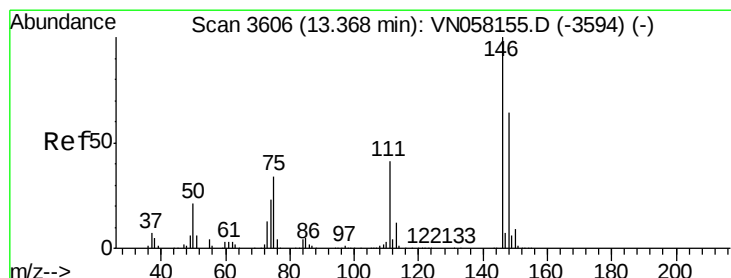
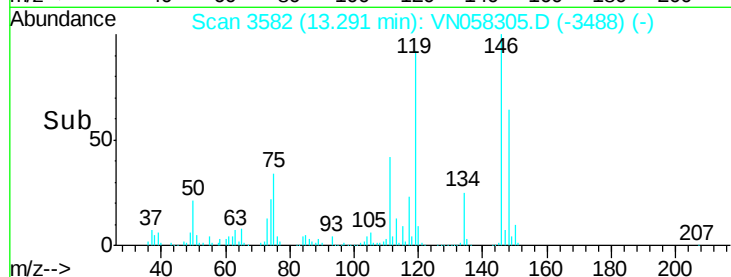
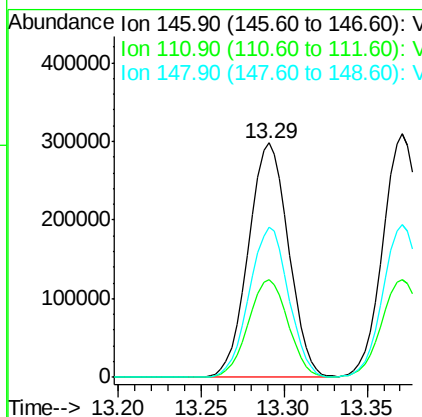
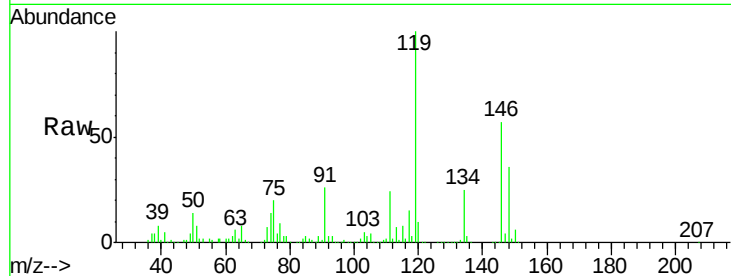




#87
 1,3-Dichlorobenzene
 Concen: 51.081 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

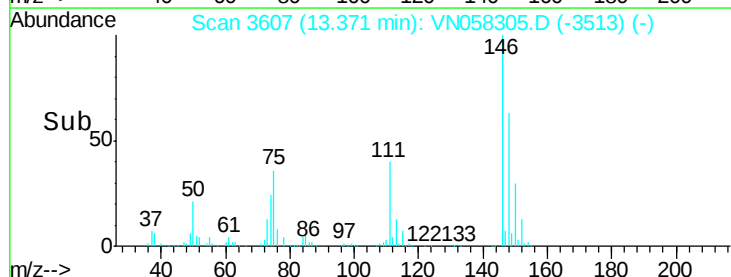
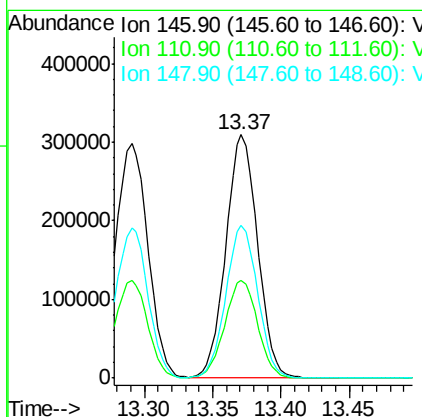
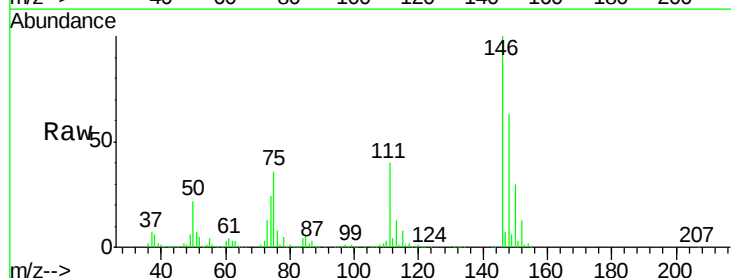
Instrument :
 MSVOA_N
 ClientSampleId :

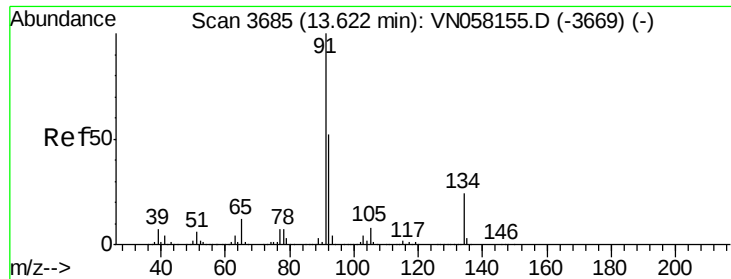
Tot Ion:146 Resp: 500805
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.9 62.8
 148 63.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.939 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion:146 Resp: 499847
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.5
 148 62.9 31.9 95.5





#89

n-Butylbenzene

Concen: 50.219 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

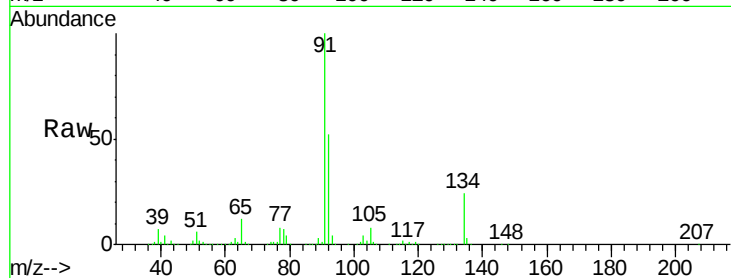
Tot Ion: 91 Resp: 890704

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.0

134 24.3 11.8 35.4

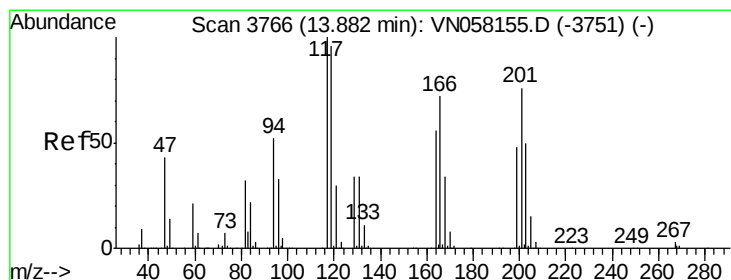
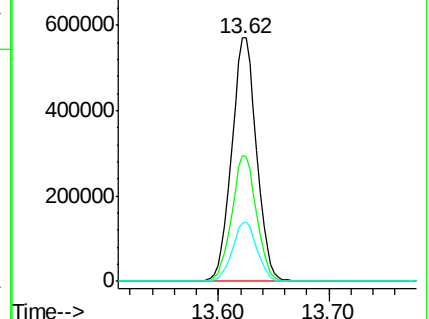
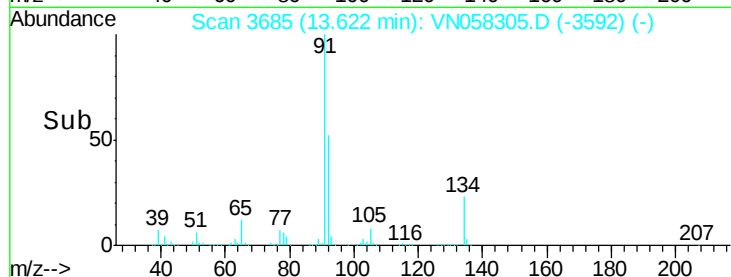


Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 47.402 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058305.D

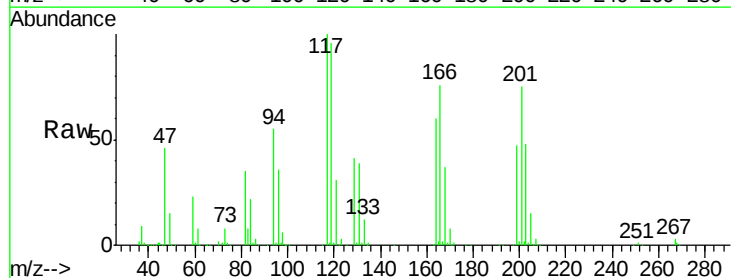
Acq: 23 Sep 2019 19:57

Tgt Ion: 117 Resp: 154993

Ion Ratio Lower Upper

117 100

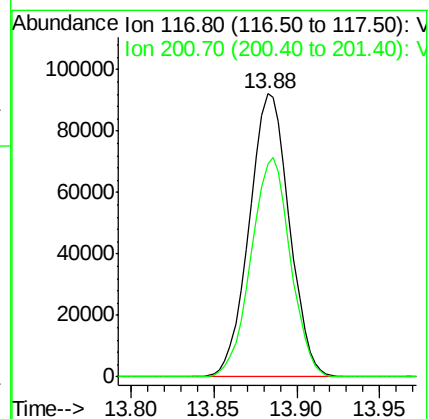
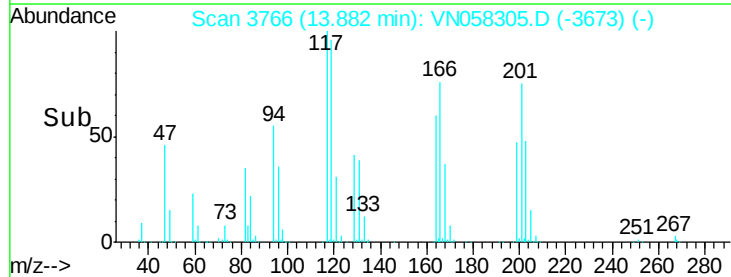
201 75.8 37.5 112.5

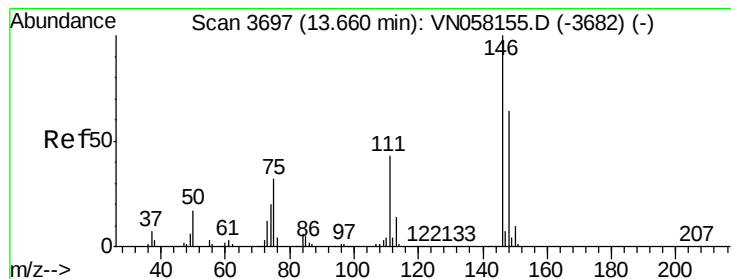


Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 51.683 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

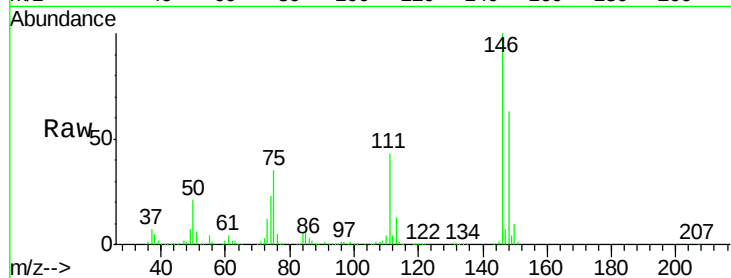
Tot Ion:146 Resp: 508283

Ion Ratio Lower Upper

146 100

111 43.2 21.1 63.1

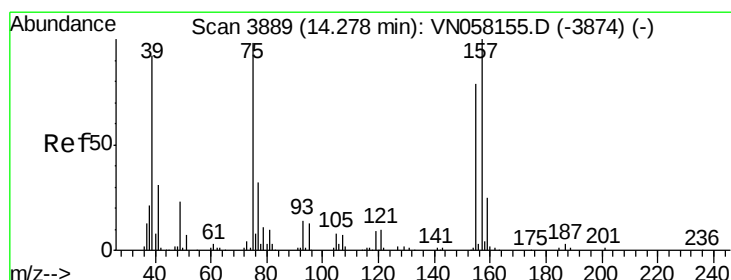
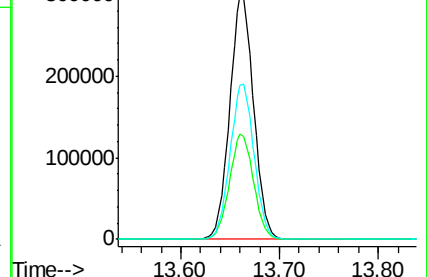
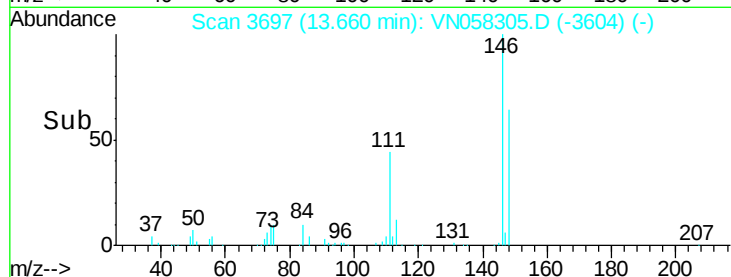
148 63.9 31.8 95.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.229 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

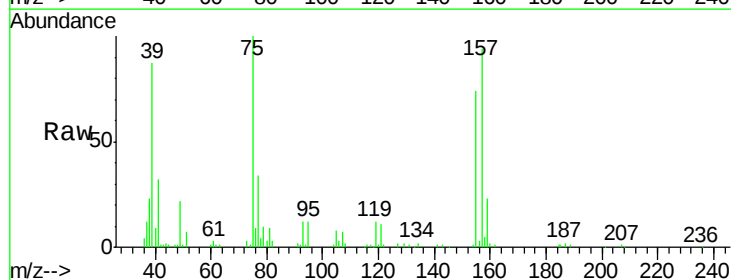
Tgt Ion: 75 Resp: 74913

Ion Ratio Lower Upper

75 100

155 74.7 38.3 114.8

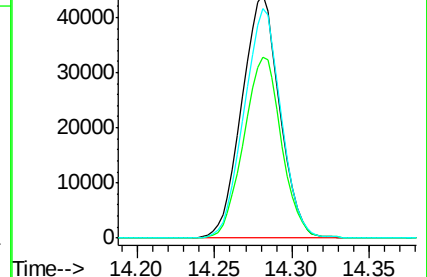
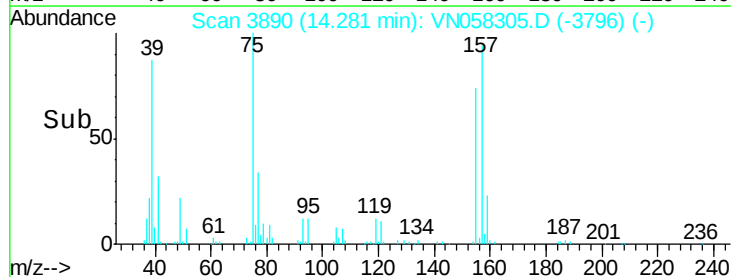
157 92.8 48.0 144.0

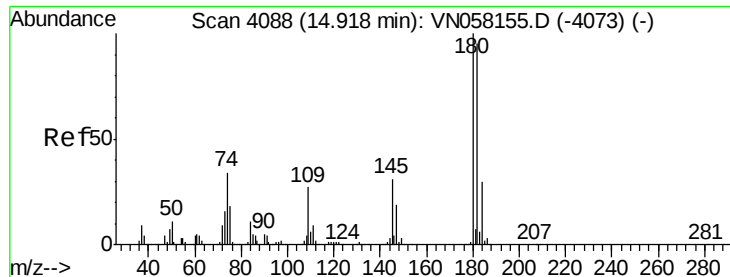


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

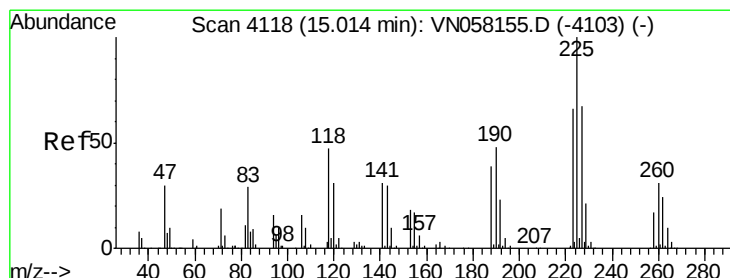
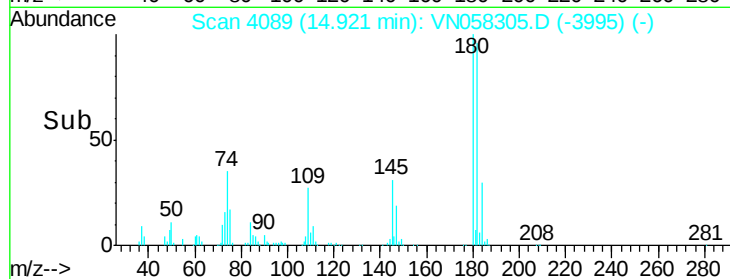
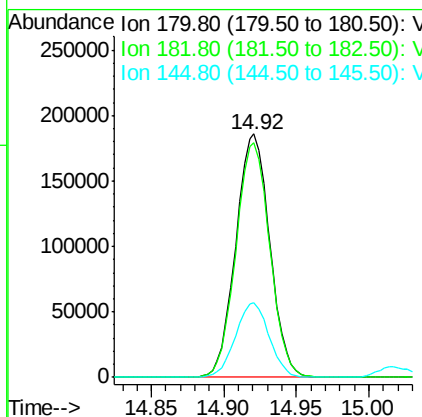
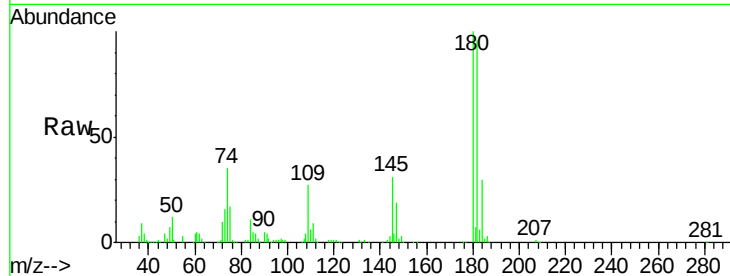




#93
 1,2,4-Trichlorobenzene
 Concen: 48.185 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

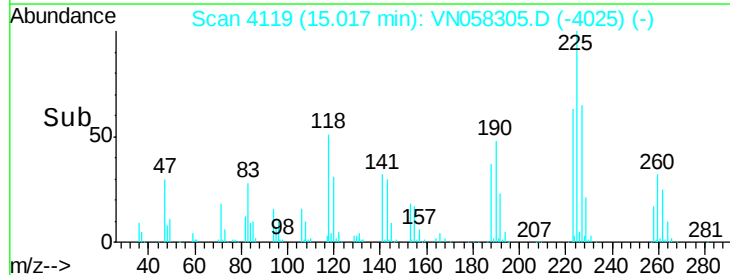
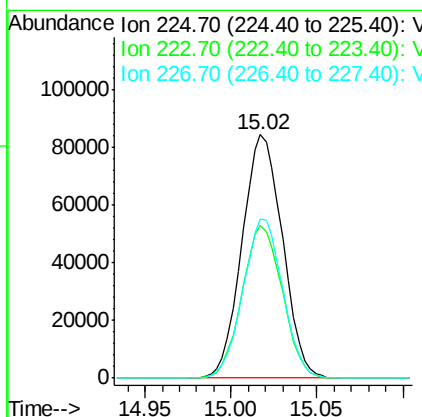
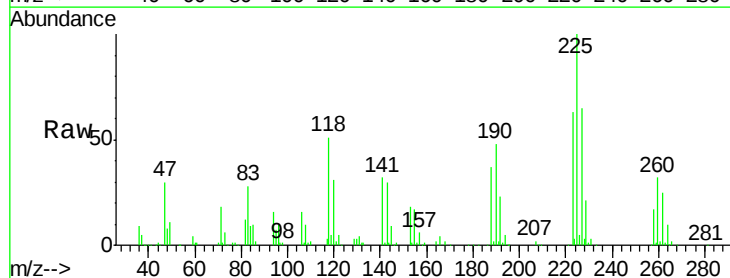
Instrument :
 MSVOA_N
 ClientSampleId :

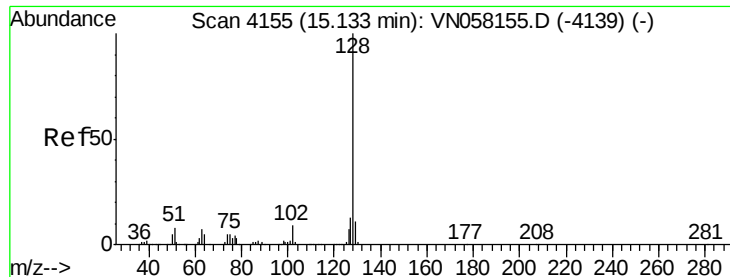
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	30.5	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 45.179 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.6	97.7
227	64.2	33.0	99.0





#95

Naphthalene

Concen: 53.572 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

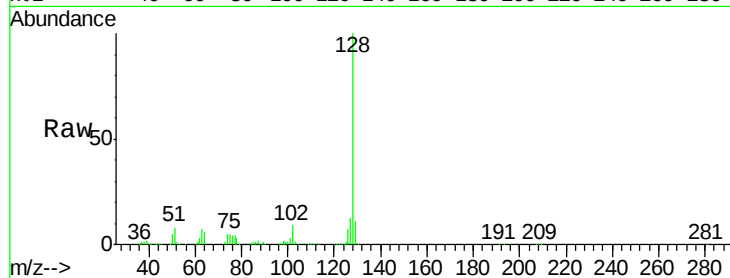
Tot Ion:128 Resp: 872390

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

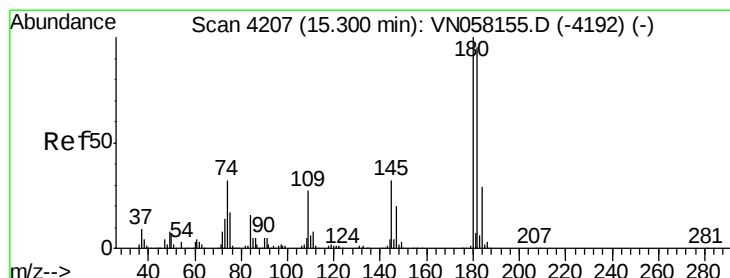
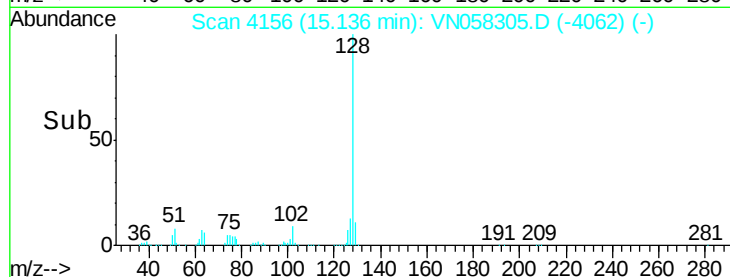
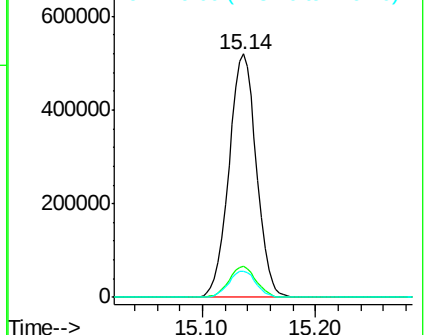
129 10.9 8.6 12.8



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: 48.708 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

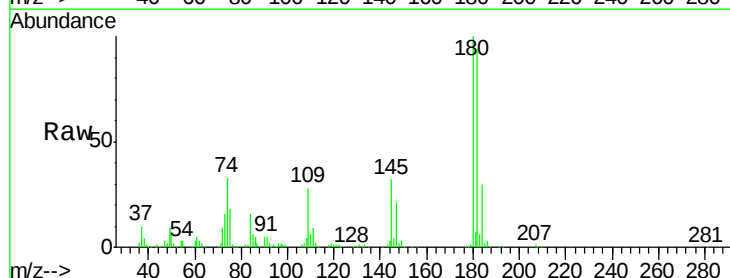
Tgt Ion:180 Resp: 289282

Ion Ratio Lower Upper

180 100

182 94.6 47.4 142.2

145 31.8 16.1 48.2



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

