

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058451.D
 Acq On : 1 Oct 2019 9:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 02 01:24:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	701280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307052	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.57	113	226033	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.08	98	880132	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.41	95	327438	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	236275	51.506	ug/l	100
3) Chloromethane	2.03	50	256045	50.770	ug/l	99
4) Vinyl Chloride	2.17	62	254010	51.414	ug/l	99
5) Bromomethane	2.53	94	134644	51.309	ug/l	96
6) Chloroethane	2.67	64	152538	51.530	ug/l	96
7) Trichlorofluoromethane	2.99	101	303579	50.919	ug/l	97
8) Diethyl Ether	3.39	74	133134	51.755	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	208922	51.599	ug/l	99
10) Methyl Iodide	3.93	142	236942	52.776	ug/l	99
11) Tert butyl alcohol	4.75	59	187970	276.757	ug/l	99
12) 1,1-Dichloroethene	3.71	96	197039	49.926	ug/l	97
13) Acrolein	3.58	56	78214	362.064	ug/l	100
14) Allyl chloride	4.29	41	370042	51.522	ug/l	99
15) Acrylonitrile	4.96	53	541343	273.481	ug/l	99
16) Acetone	3.79	43	609067	292.242	ug/l	99
17) Carbon Disulfide	4.03	76	544916	52.378	ug/l	98
18) Methyl Acetate	4.30	43	262348	50.049	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	722705	51.899	ug/l	99
20) Methylene Chloride	4.53	84	235108	48.883	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	224601	51.177	ug/l	99
22) Diisopropyl ether	5.92	45	806069	52.153	ug/l	98
23) Vinyl Acetate	5.87	43	3342229	286.793	ug/l	99
24) 1,1-Dichloroethane	5.82	63	454267	52.224	ug/l	100
25) 2-Butanone	6.81	43	801401	280.071	ug/l	100
26) 2,2-Dichloropropane	6.80	77	377250	52.754	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	262911	51.256	ug/l	98
28) Bromochloromethane	7.17	49	183353	52.733	ug/l	99
29) Tetrahydrofuran	7.19	42	487119	268.219	ug/l	100
30) Chloroform	7.35	83	453333	51.431	ug/l	98
31) Cyclohexane	7.63	56	415429	49.098	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	385852	53.307	ug/l	100
36) 1,1-Dichloropropene	7.77	75	352453	52.561	ug/l	99
37) Ethyl Acetate	6.90	43	316155	55.610	ug/l	100
38) Carbon Tetrachloride	7.75	117	323654	53.472	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	421091	53.774	ug/l	98
40) Benzene	8.02	78	1003966	52.086	ug/l	98
41) Methacrylonitrile	7.19	41	457459	174.905	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	385747	51.440	ug/l	100
43) Isopropyl Acetate	8.15	43	538704	50.389	ug/l	99
44) Trichloroethene	8.82	130	246021	51.692	ug/l	98
45) 1,2-Dichloropropane	9.11	63	277074	53.598	ug/l	98
46) Dibromomethane	9.20	93	173306	52.938	ug/l	98
47) Bromodichloromethane	9.39	83	348422	56.173	ug/l	99
48) Methyl methacrylate	9.19	41	260985	53.612	ug/l	99
49) 1,4-Dioxane	9.19	88	90057	1383.532	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1588654	289.292	ug/l	99
52) Toluene	10.15	92	624684	51.489	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	389268	57.659	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	422142	56.330	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	241783	54.732	ug/l	98
56) Ethyl methacrylate	10.43	69	376325	56.141	ug/l	99
57) 1,3-Dichloropropane	10.71	76	427751	54.285	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	748917	280.189	ug/l	99
59) 2-Hexanone	10.75	43	1207155	301.890	ug/l	100
60) Dibromochloromethane	10.90	129	248929	54.465	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245142	54.309	ug/l	100
64) Tetrachloroethene	10.63	164	204398	50.059	ug/l	97
65) Chlorobenzene	11.43	112	659929	51.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	235633	54.745	ug/l	100
67) Ethyl Benzene	11.51	91	1237508	53.481	ug/l	99
68) m/p-Xylenes	11.62	106	915573	105.167	ug/l	98
69) o-Xylene	11.95	106	437268	52.176	ug/l	97
70) Styrene	11.97	104	747793	54.925	ug/l	99
71) Bromoform	12.13	173	160394	53.869	ug/l #	98
73) Isopropylbenzene	12.25	105	1217991	53.202	ug/l	100
74) N-amyl acetate	12.07	43	491332	53.946	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	352945	52.135	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	450317	79.586	ug/l #	100
77) Bromobenzene	12.53	156	271803	50.633	ug/l	98
78) n-propylbenzene	12.60	91	1439667	55.818	ug/l	100
79) 2-Chlorotoluene	12.68	91	832342	52.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1040921	54.315	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	104381	56.028	ug/l	99
82) 4-Chlorotoluene	12.78	91	861964	53.061	ug/l	100
83) tert-Butylbenzene	13.00	119	868712	53.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1038762	54.099	ug/l	98
85) sec-Butylbenzene	13.18	105	1207047	56.710	ug/l	100
86) p-Isopropyltoluene	13.30	119	1072138	57.224	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	509571	52.351	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	506457	52.296	ug/l	100
89) n-Butylbenzene	13.62	91	976872	57.559	ug/l	100
90) Hexachloroethane	13.88	117	171839	61.044	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	504710	53.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	68685	57.534	ug/l	98

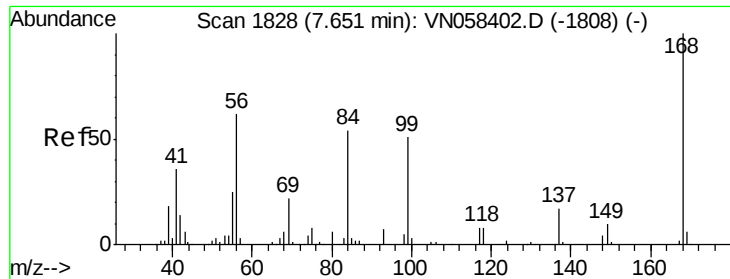
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QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	299423	57.936	ug/l	100
94) Hexachlorobutadiene	15.02	225	150641	56.709	ug/l	99
95) Naphthalene	15.14	128	789841	52.187	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	273065	52.702	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

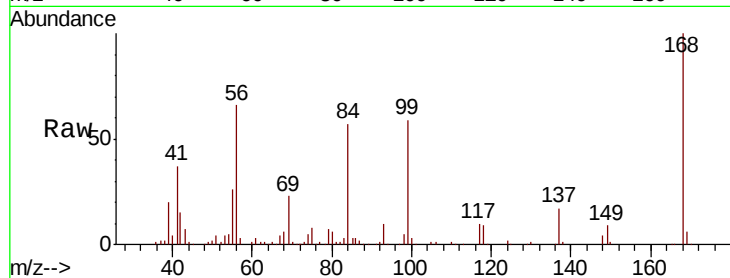
VSTDCCC050

Tot Ion:168 Resp: 418366

Ion Ratio Lower Upper

168 100

99 58.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

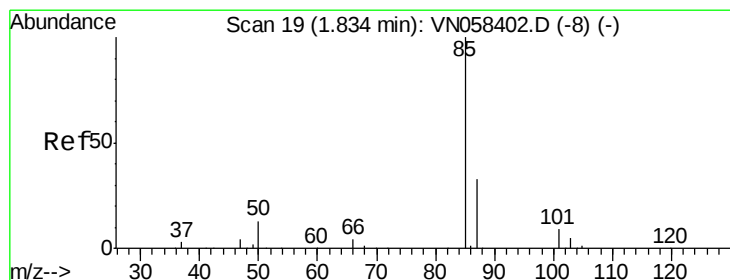
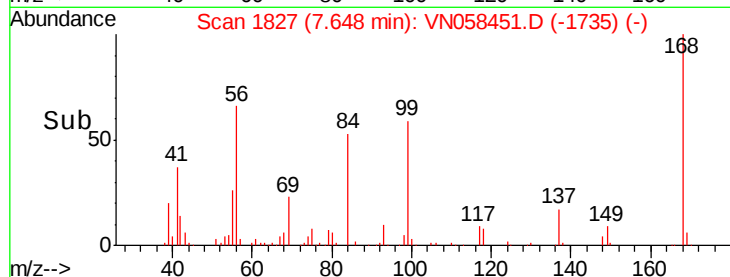
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.506 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058451.D

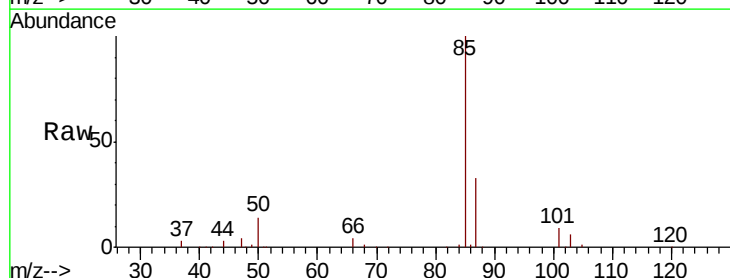
Acq: 1 Oct 2019 9:50

Tgt Ion: 85 Resp: 236275

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

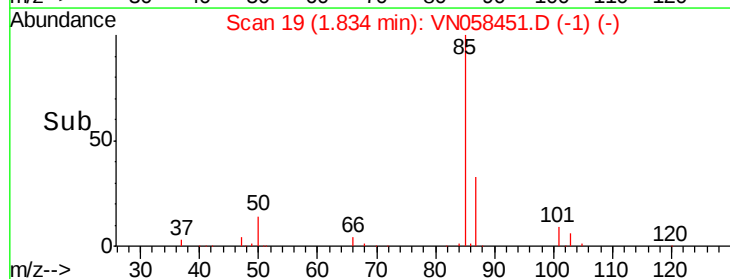
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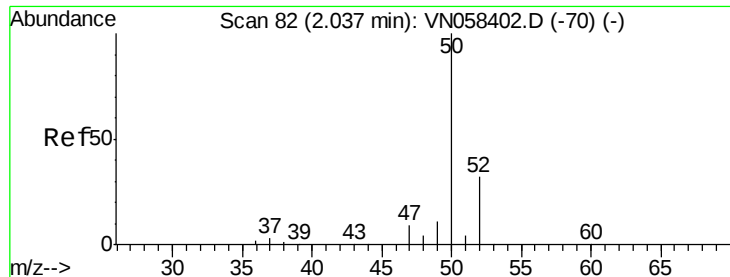
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 50.770 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

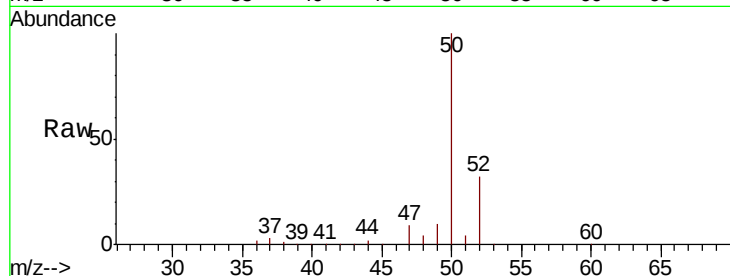
VSTDCCC050

Tot Ion: 50 Resp: 256045

Ion Ratio Lower Upper

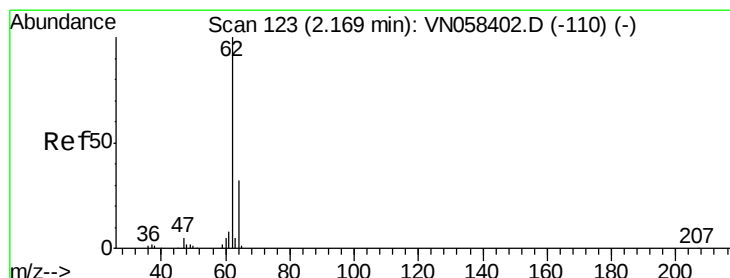
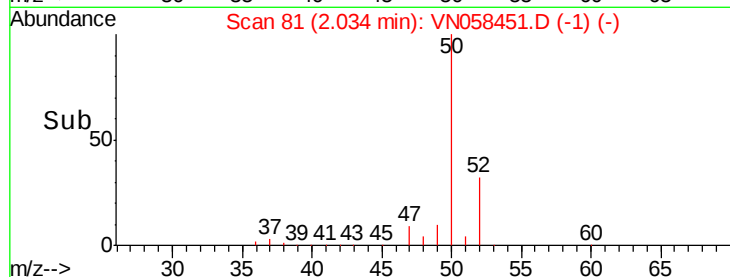
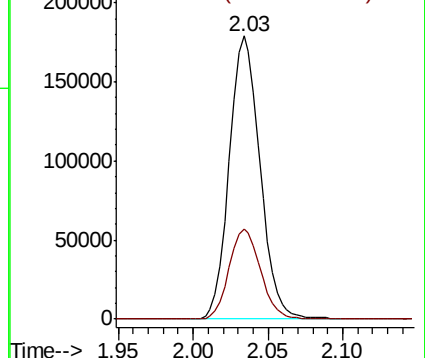
50 100

52 32.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 51.414 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058451.D

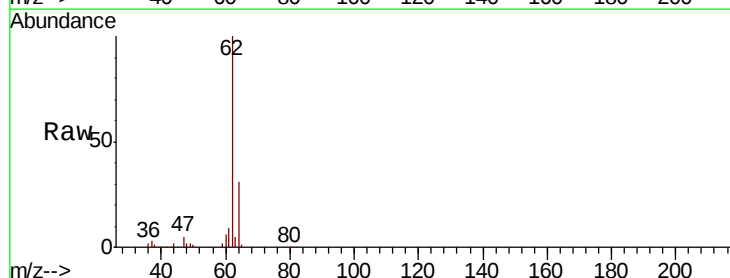
Acq: 1 Oct 2019 9:50

Tgt Ion: 62 Resp: 254010

Ion Ratio Lower Upper

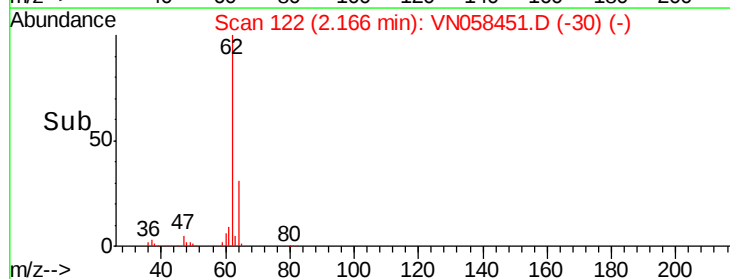
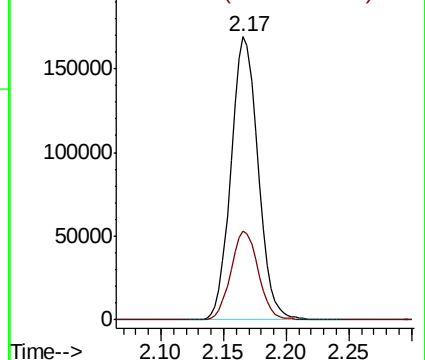
62 100

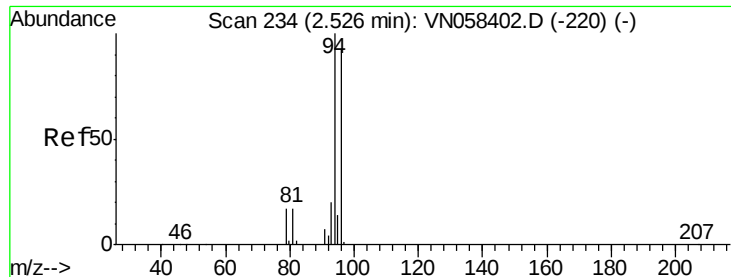
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 51.309 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

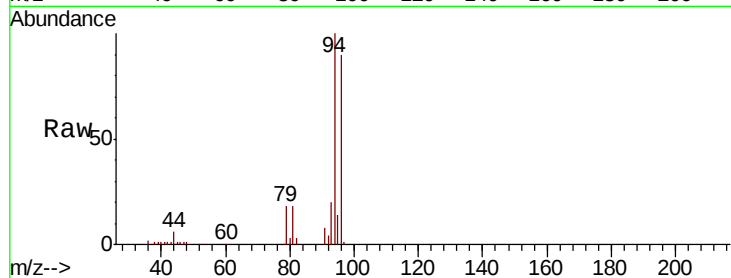
VSTDCCC050

Tot Ion: 94 Resp: 134644

Ion Ratio Lower Upper

94 100

96 90.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

60000

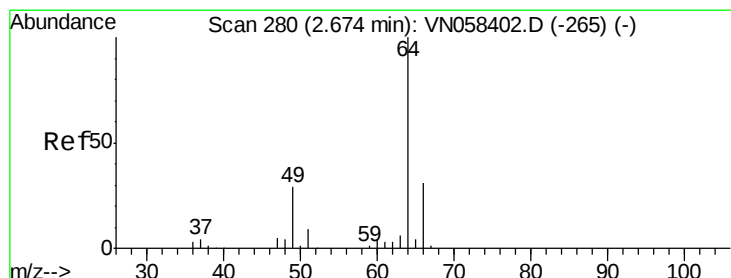
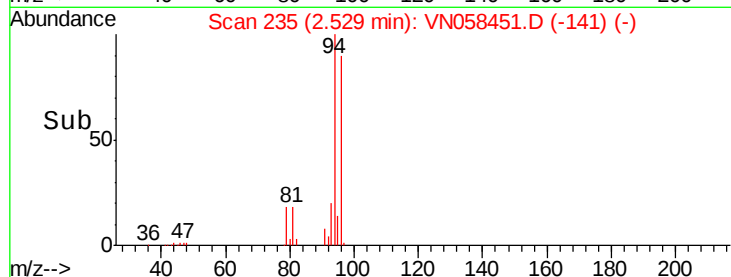
40000

20000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 51.530 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN058451.D

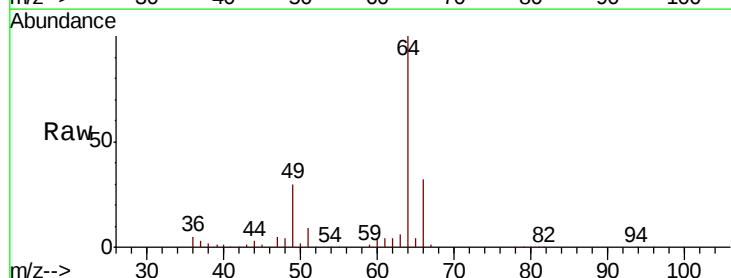
Acq: 1 Oct 2019 9:50

Tgt Ion: 64 Resp: 152538

Ion Ratio Lower Upper

64 100

66 32.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.67

80000

60000

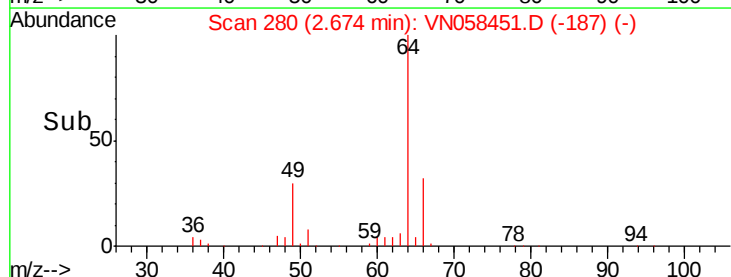
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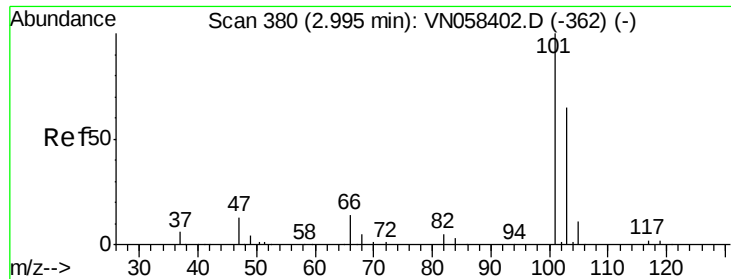
20000

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Time-->

2.60 2.65 2.70 2.75 2.80



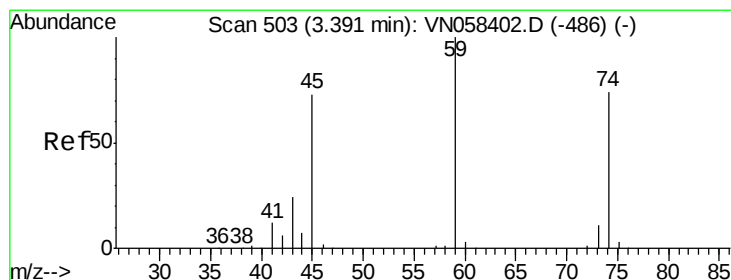
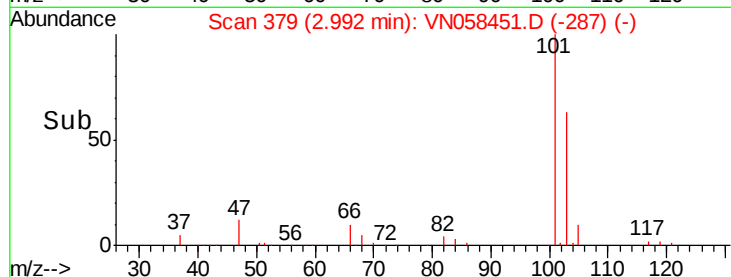
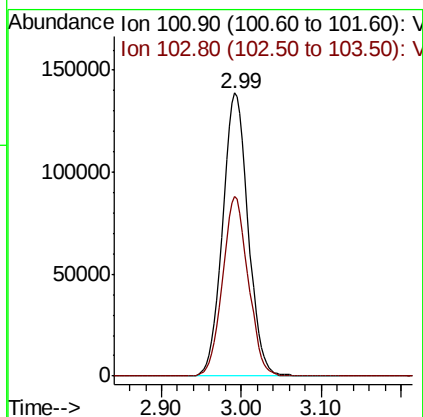
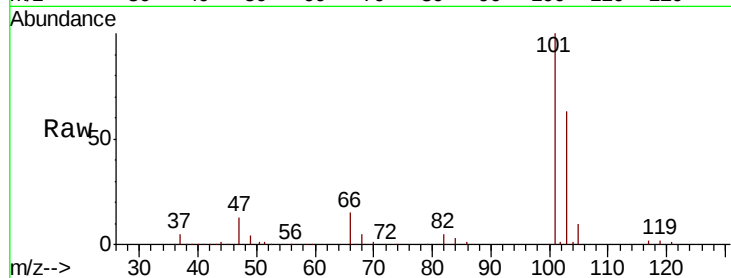


#7

Trichlorofluoromethane
 Concen: 50.919 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
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 VSTDCCC050

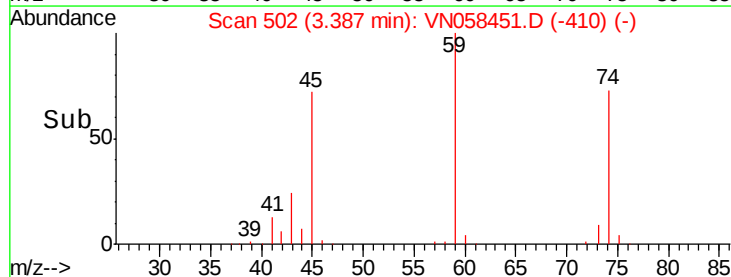
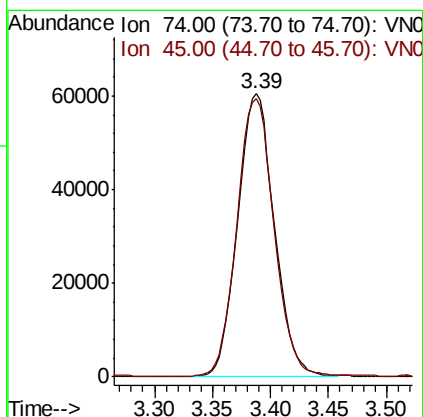
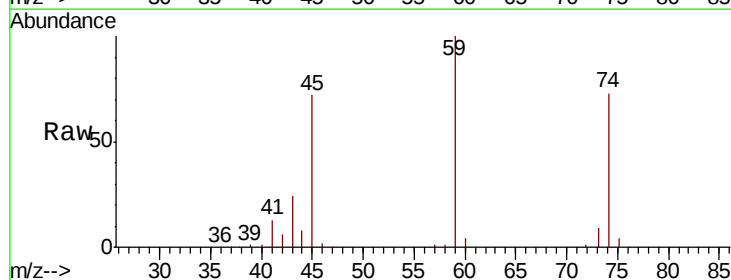
Tot Ion:101 Resp: 303579
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.3 78.5

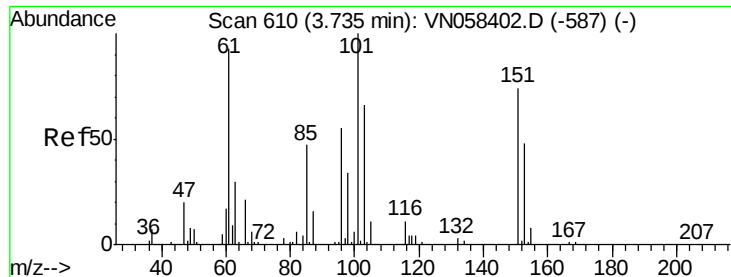


#8

Diethyl Ether
 Concen: 51.755 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 74 Resp: 133134
 Ion Ratio Lower Upper
 74 100
 45 99.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.599 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

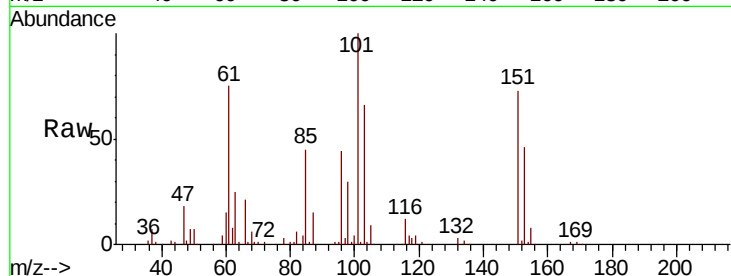
Tot Ion:101 Resp: 208922

Ion Ratio Lower Upper

101 100

85 46.5 36.7 55.1

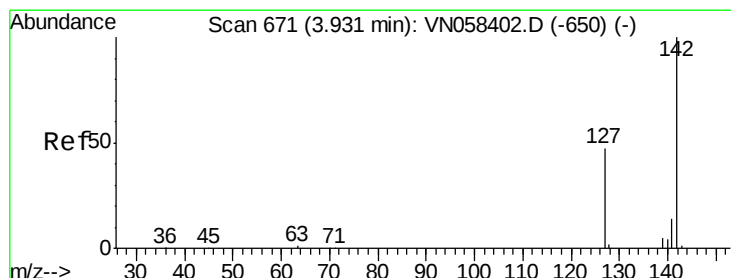
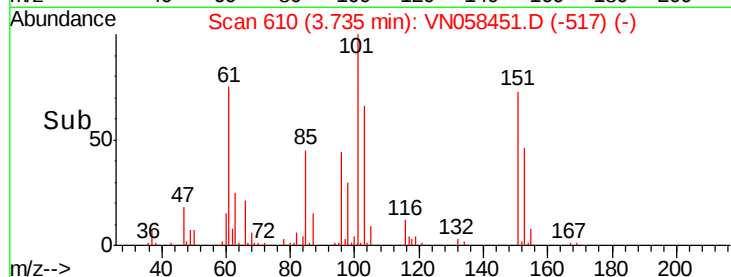
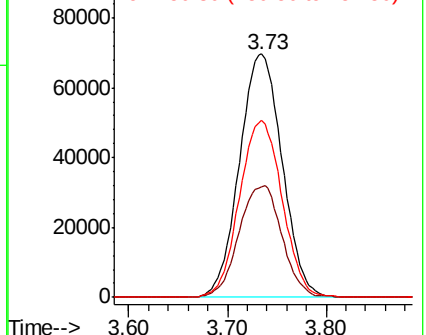
151 72.7 59.4 89.0



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: 52.776 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

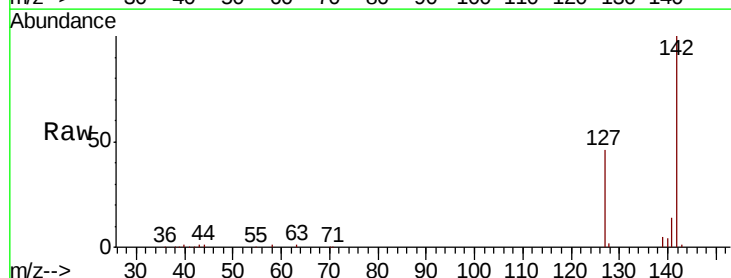
Tgt Ion:142 Resp: 236942

Ion Ratio Lower Upper

142 100

127 45.9 37.2 55.8

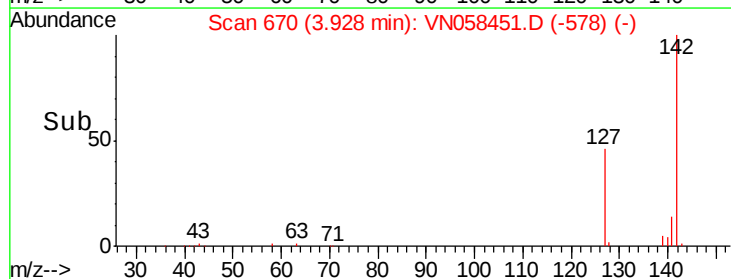
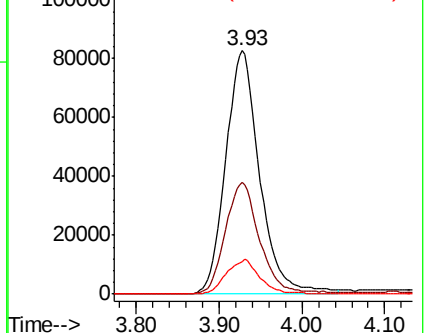
141 13.9 11.3 16.9

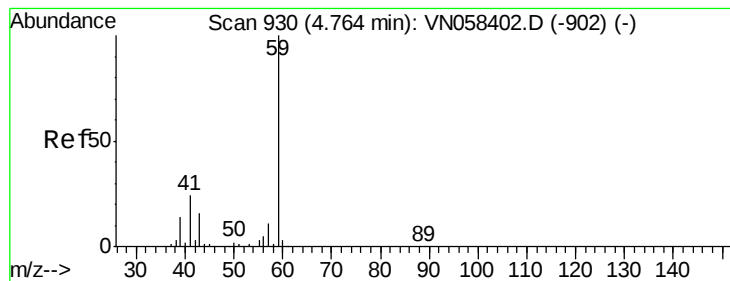


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



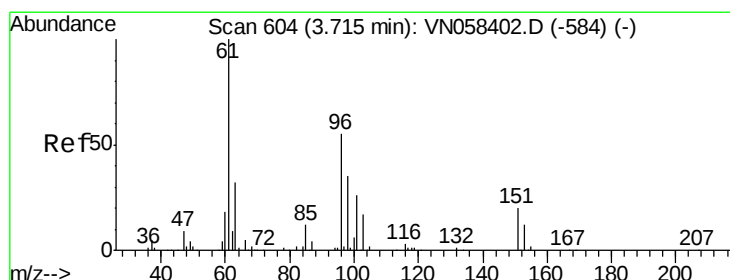
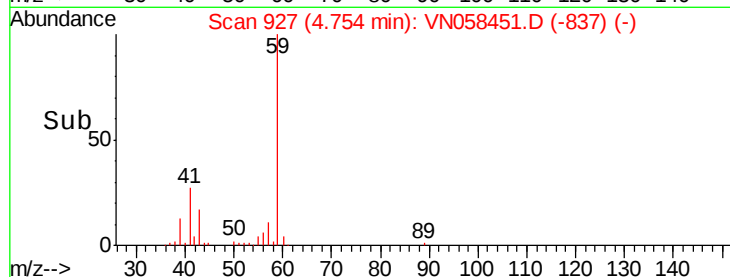
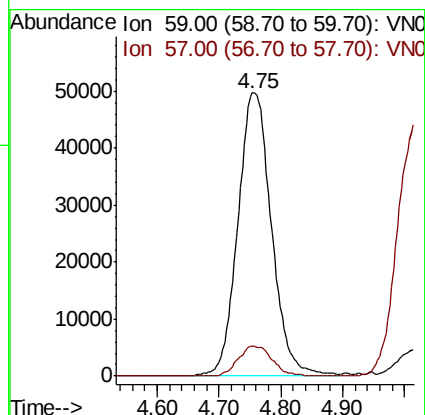
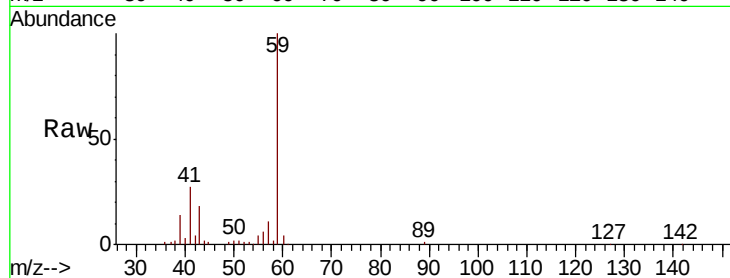


#11

Tert butyl alcohol
 Concen: 276.757 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

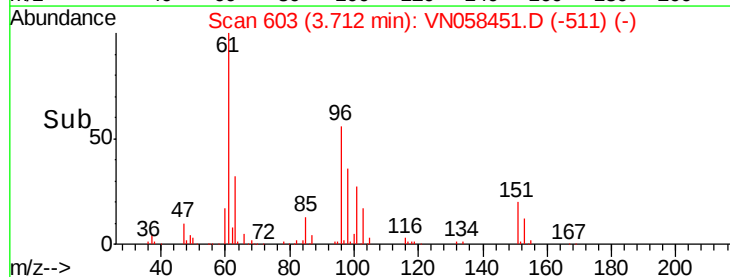
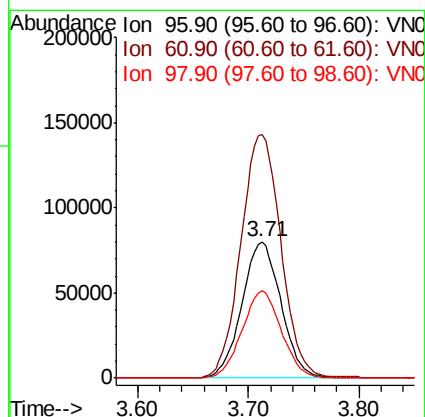
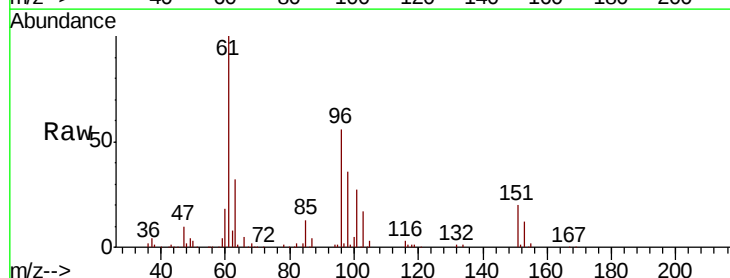
Tot Ion: 59 Resp: 187970
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.4

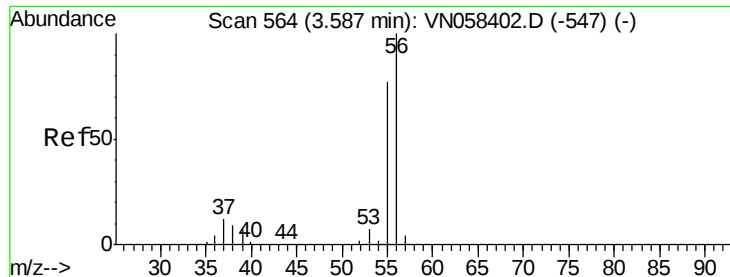


#12

1,1-Dichloroethene
 Concen: 49.926 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 96 Resp: 197039
 Ion Ratio Lower Upper
 96 100
 61 178.5 146.7 220.1
 98 63.7 51.3 76.9

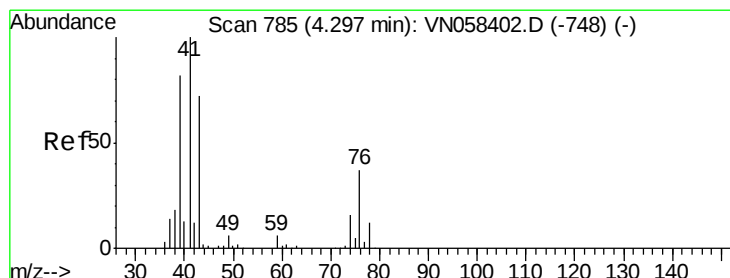
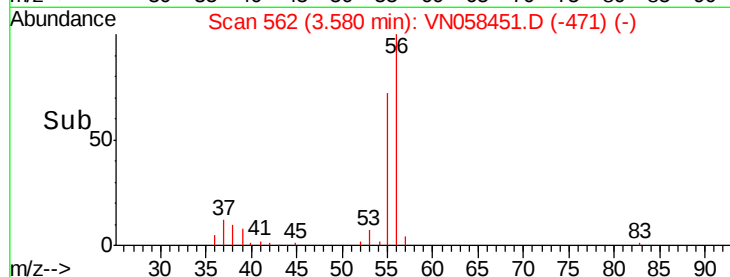
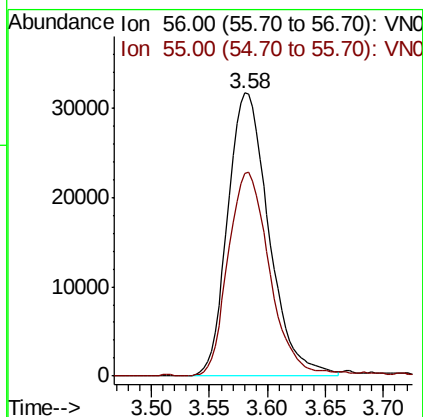
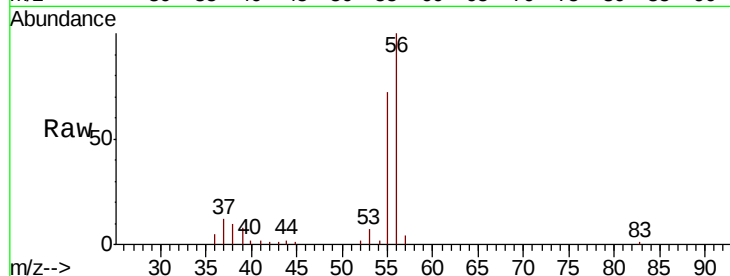




#13
Acrolein
Concen: 362.064 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

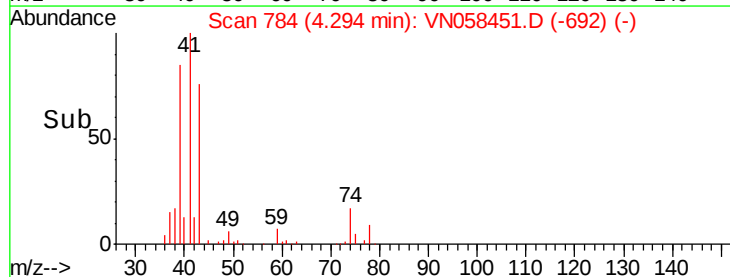
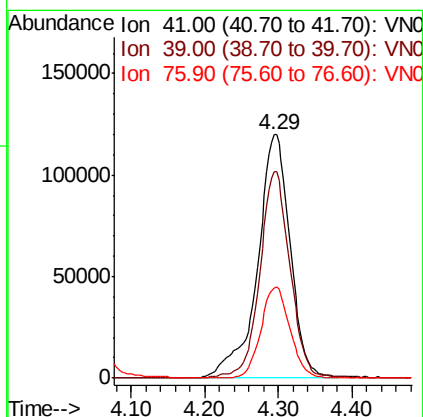
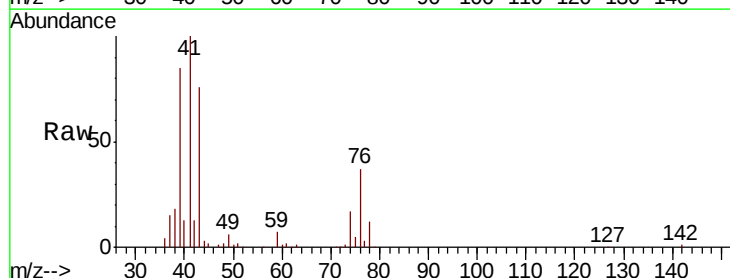
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

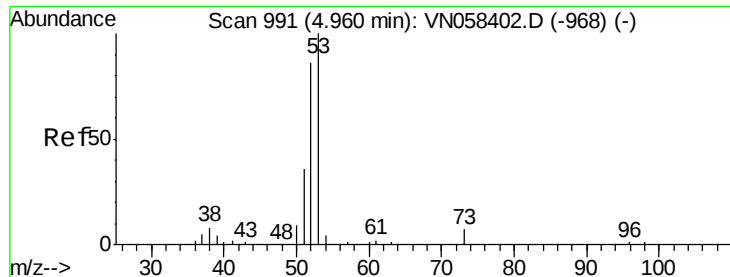
Tot Ion: 56 Resp: 78214
Ion Ratio Lower Upper
56 100
55 72.9 58.3 87.5



#14
Allyl chloride
Concen: 51.522 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 41 Resp: 370042
Ion Ratio Lower Upper
41 100
39 78.2 62.3 93.5
76 32.8 26.9 40.3





#15

Acrylonitrile

Concen: 273.481 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

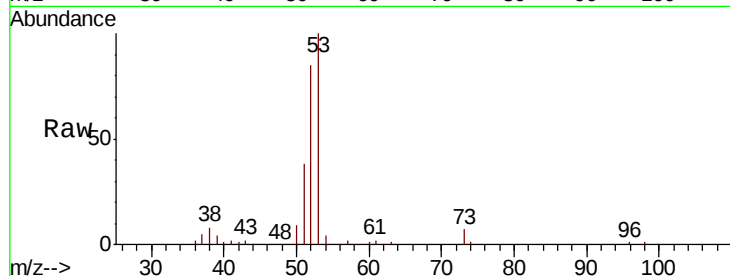
Tot Ion: 53 Resp: 541343

Ion Ratio Lower Upper

53 100

52 84.4 66.6 100.0

51 37.2 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058402.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058402.D (-968) (-)

4.96

200000

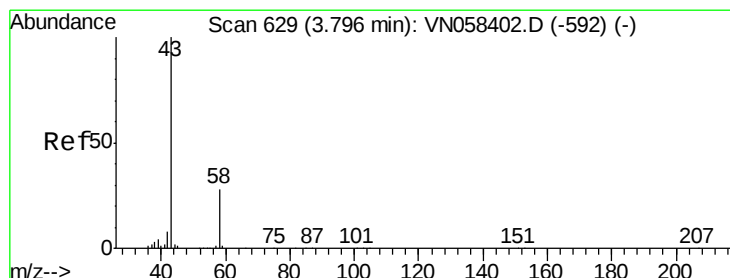
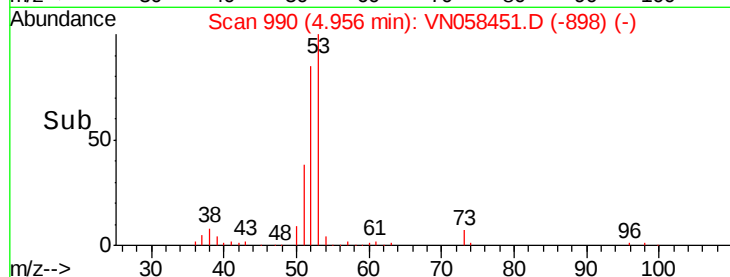
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 292.242 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN058451.D

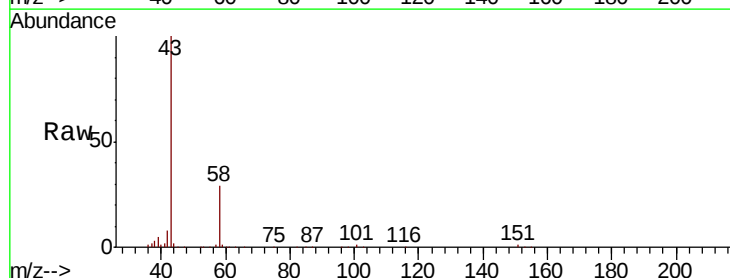
Acq: 1 Oct 2019 9:50

Tgt Ion: 43 Resp: 609067

Ion Ratio Lower Upper

43 100

58 28.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-592) (-)

3.79

250000

200000

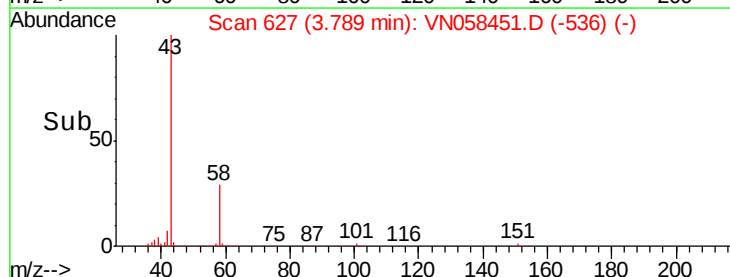
150000

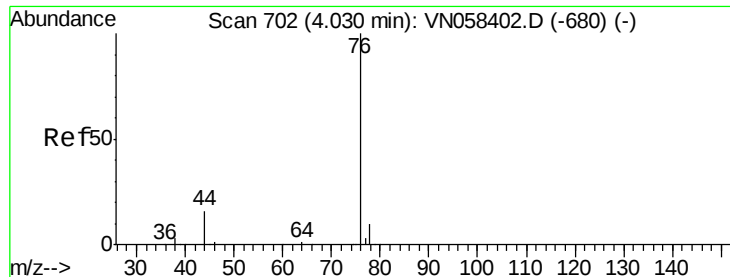
100000

50000

0

Time-->

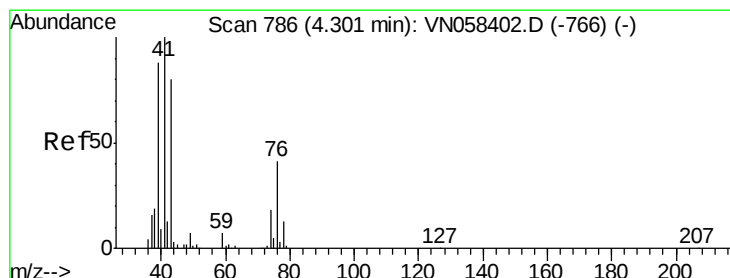
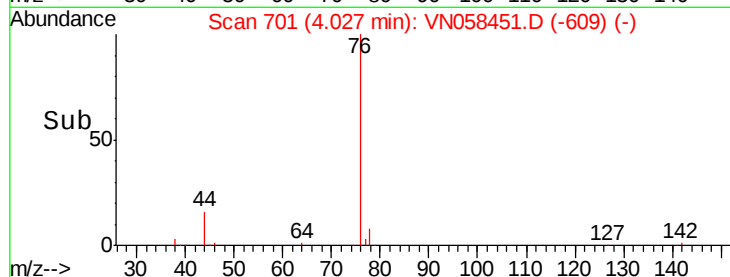
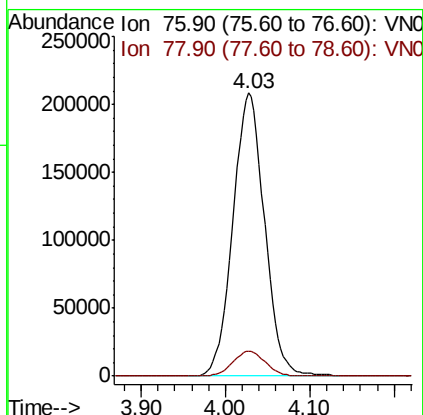
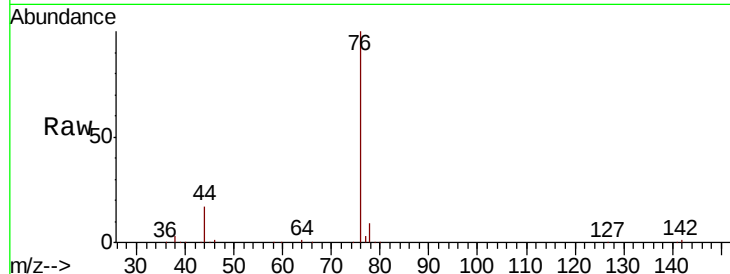




#17
Carbon Disulfide
Concen: 52.378 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

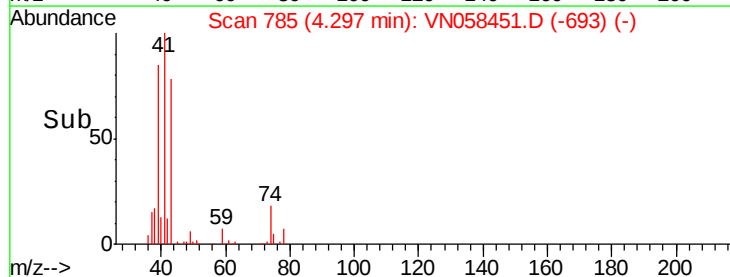
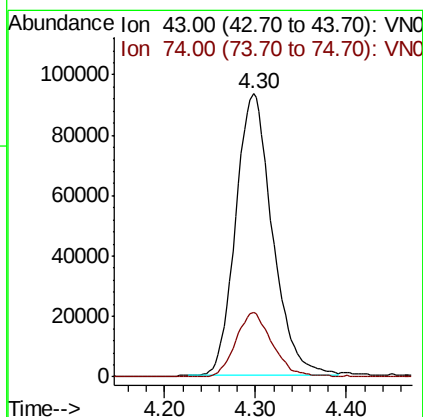
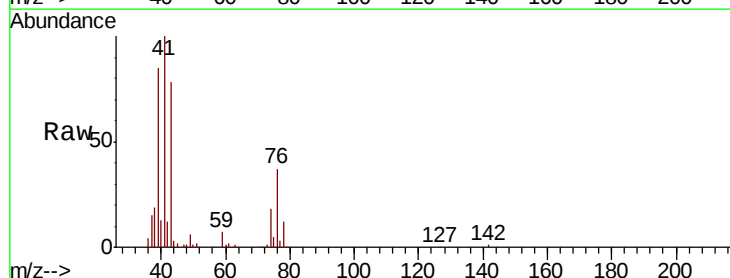
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

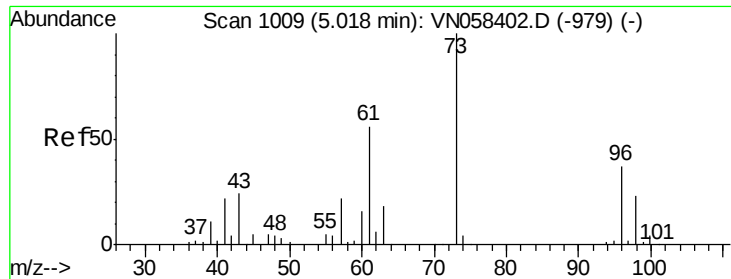
Tot Ion: 76 Resp: 544916
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5



#18
Methyl Acetate
Concen: 50.049 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 43 Resp: 262348
Ion Ratio Lower Upper
43 100
74 22.8 18.0 27.0

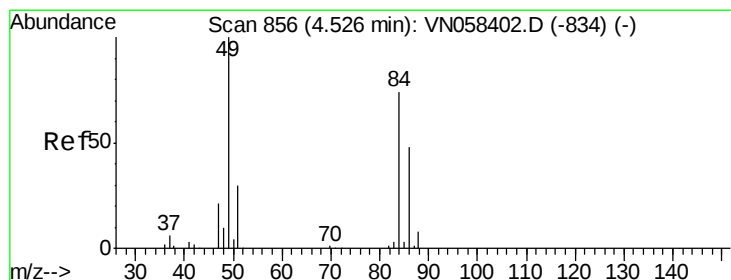
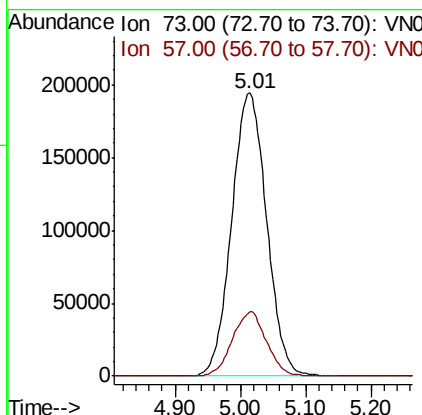
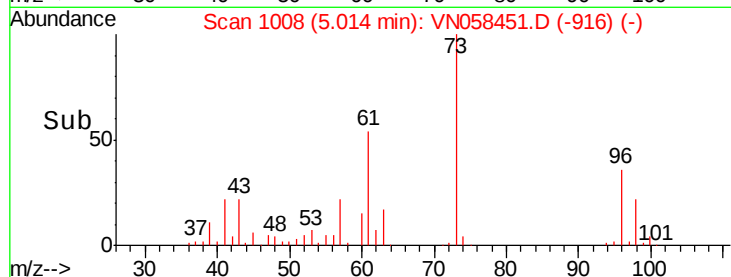
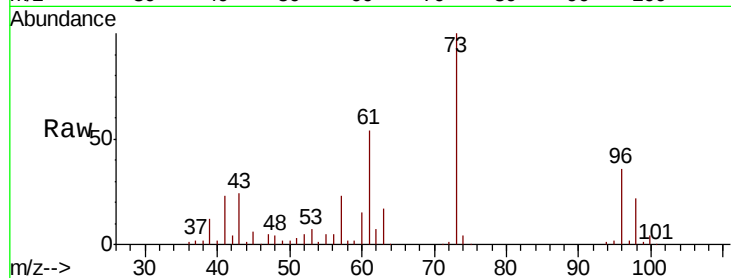




#19
Methvl tert-butvl Ether
Concen: 51.899 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

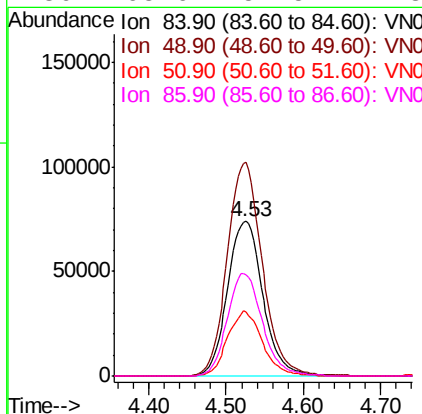
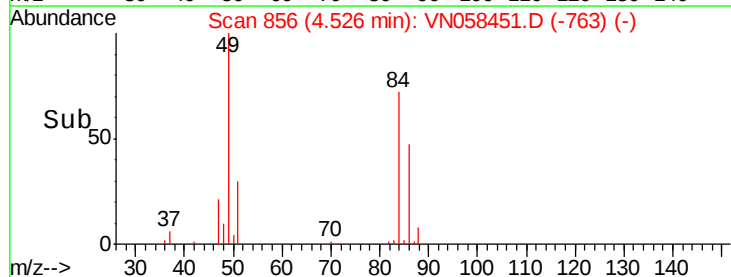
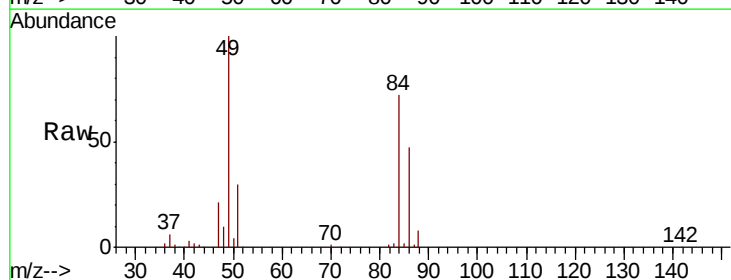
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

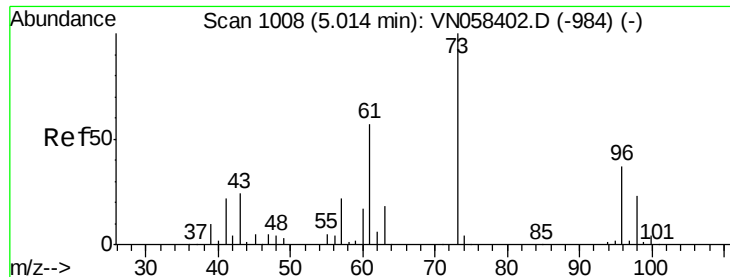
Tot Ion: 73 Resp: 722705
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4



#20
Methylene Chloride
Concen: 48.883 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 84 Resp: 235108
Ion Ratio Lower Upper
84 100
49 138.2 107.9 161.9
51 41.4 32.8 49.2
86 65.6 51.5 77.3

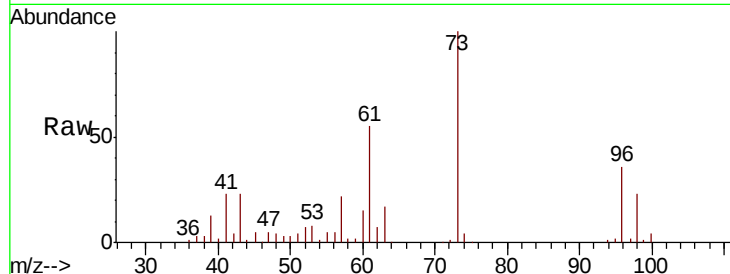




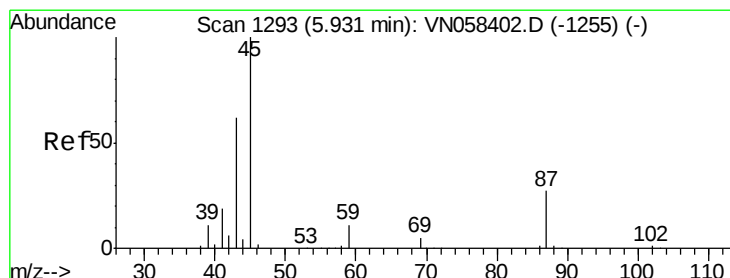
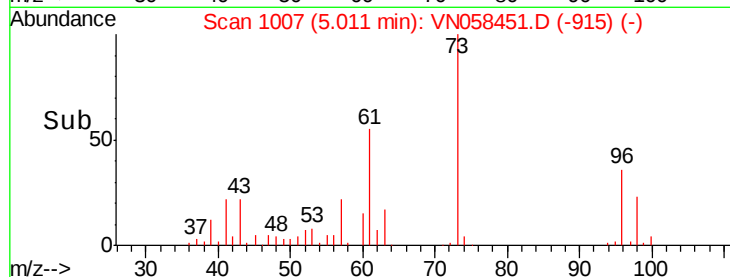
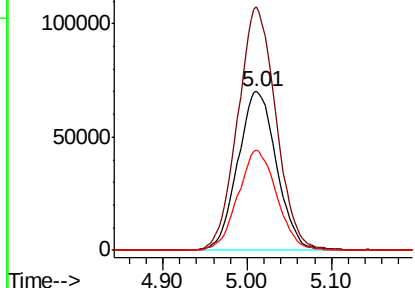
#21
trans-1,2-Dichloroethene
Concen: 51.177 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 224601
Ion Ratio Lower Upper
96 100
61 153.3 121.9 182.9
98 63.4 49.3 73.9

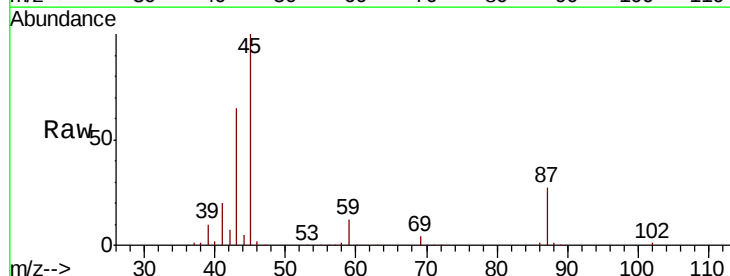


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

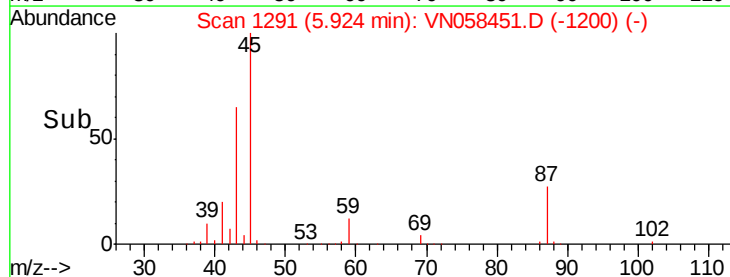
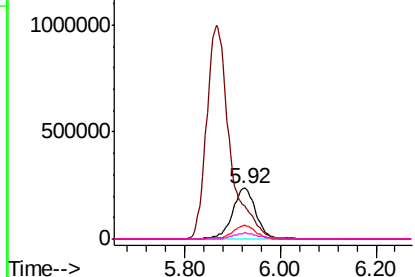


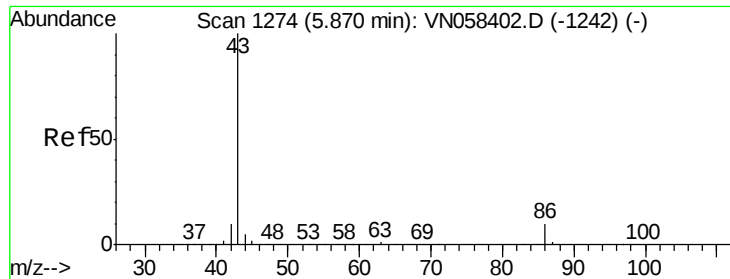
#22
Diisopropyl ether
Concen: 52.153 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 45 Resp: 806069
Ion Ratio Lower Upper
45 100
43 64.4 49.7 74.5
87 26.6 21.5 32.3
59 11.5 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

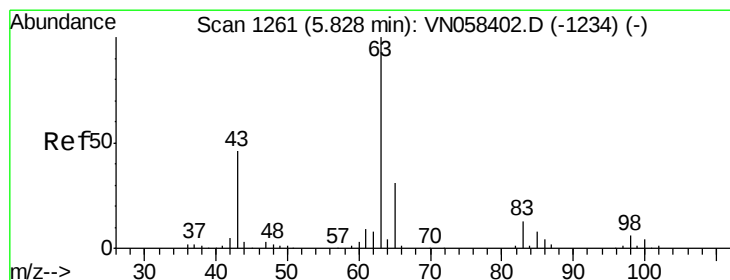
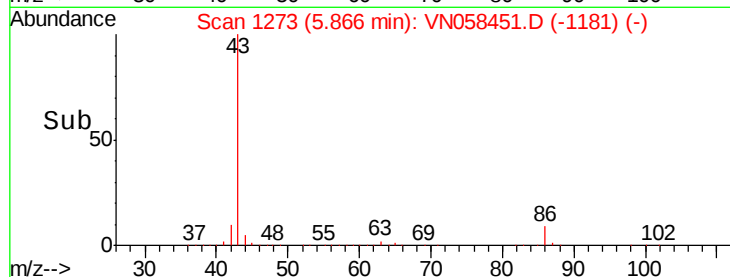
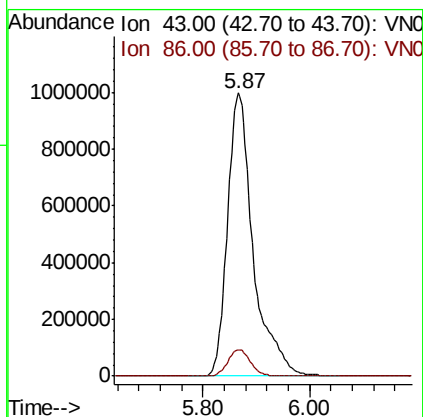
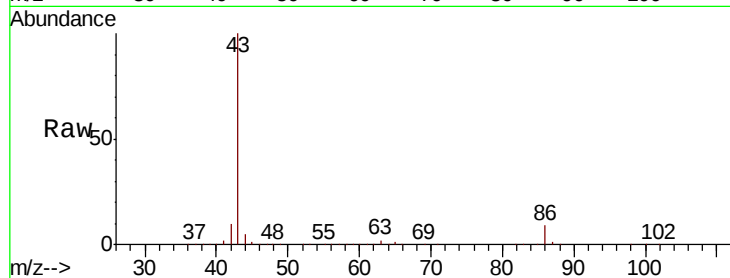




#23
 Vinyl Acetate
 Concen: 286.793 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

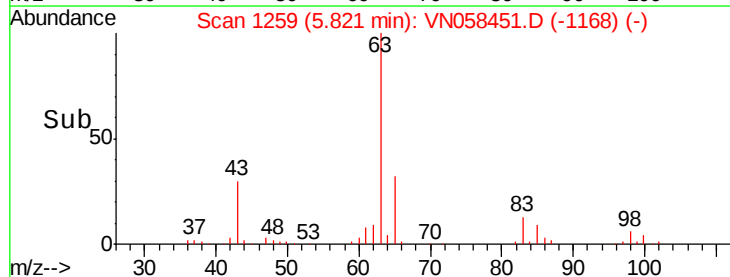
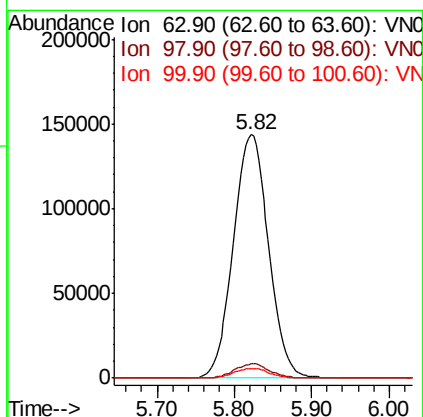
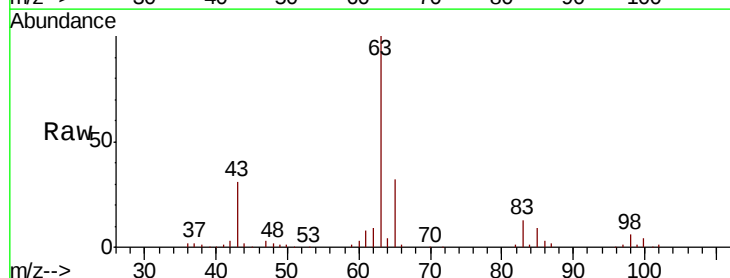
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

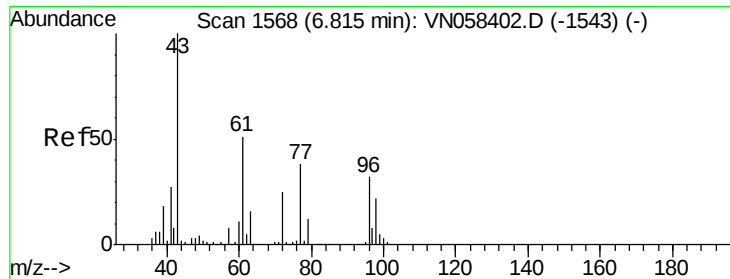
Tot Ion: 43 Resp: 3342229
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 52.224 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 63 Resp: 454267
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 4.1 2.0 5.8

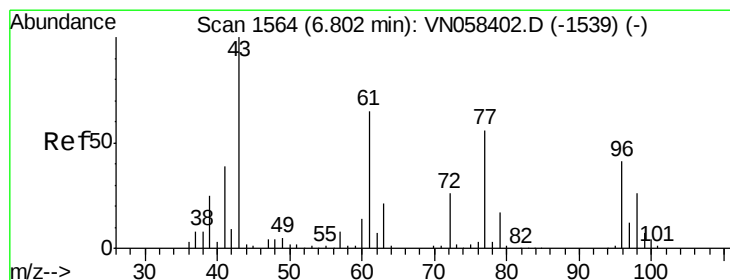
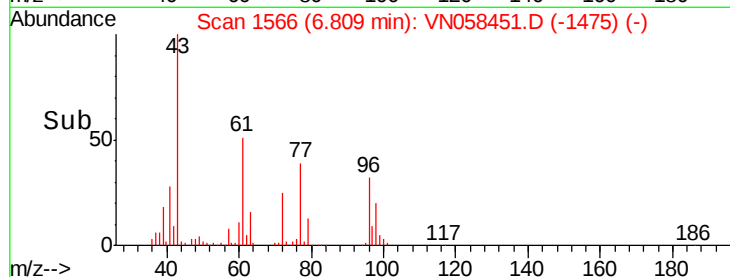
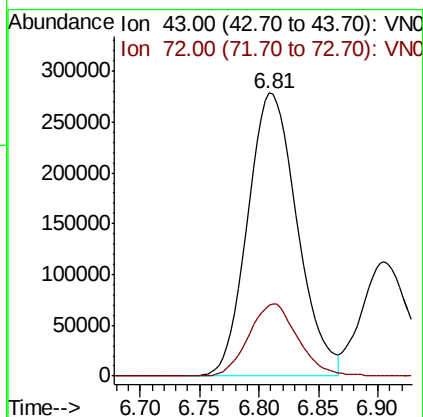
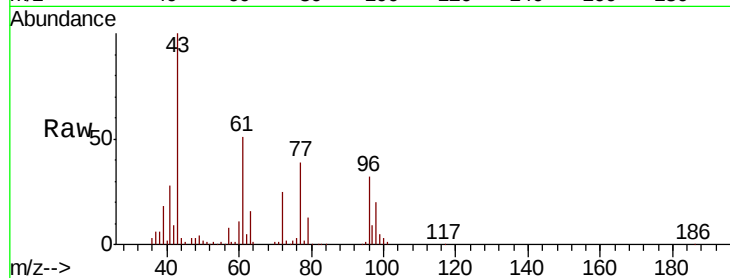




#25
2-Butanone
Concen: 280.071 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

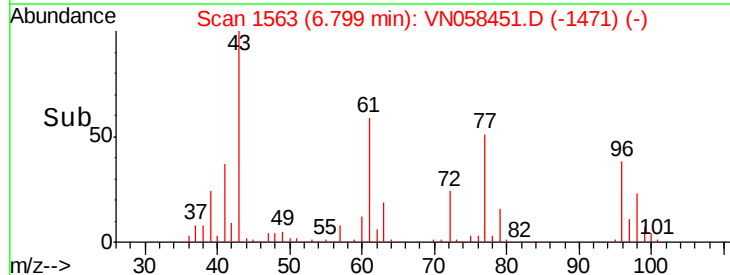
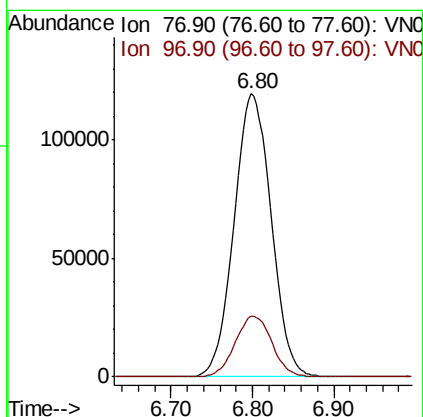
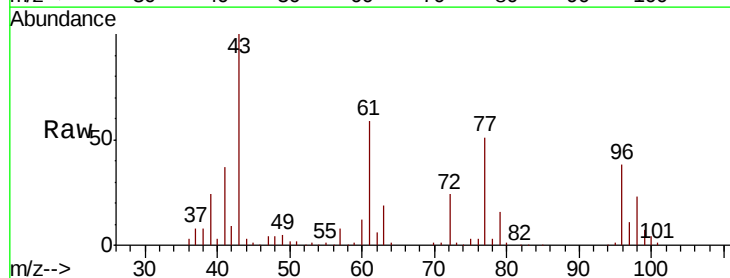
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

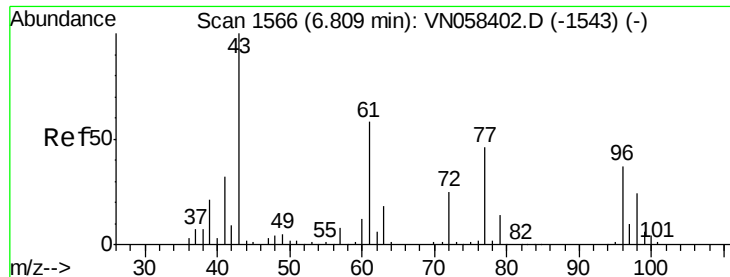
Tot Ion: 43 Resp: 801401
Ion Ratio Lower Upper
43 100
72 25.1 20.2 30.4



#26
2,2-Dichloropropane
Concen: 52.754 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 77 Resp: 377250
Ion Ratio Lower Upper
77 100
97 21.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.256 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

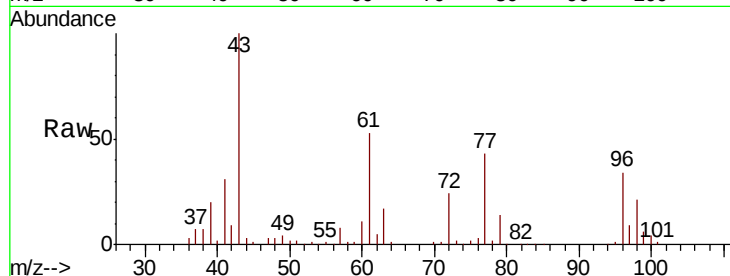
Tot Ion: 96 Resp: 262911

Ion Ratio Lower Upper

96 100

61 161.5 0.0 318.8

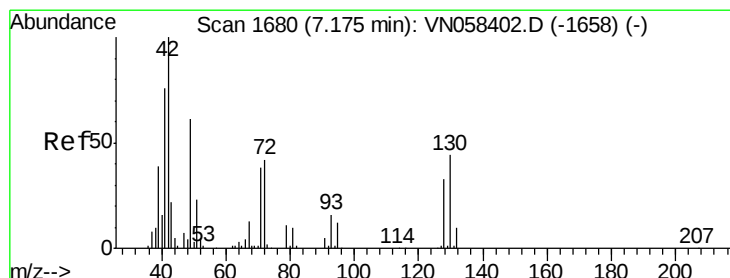
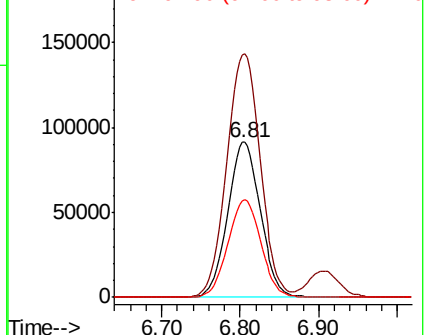
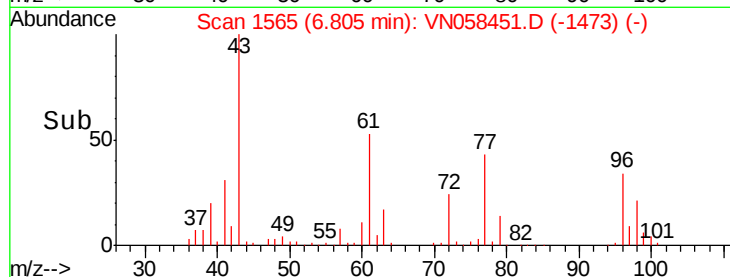
98 63.6 0.0 129.8



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: 52.733 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

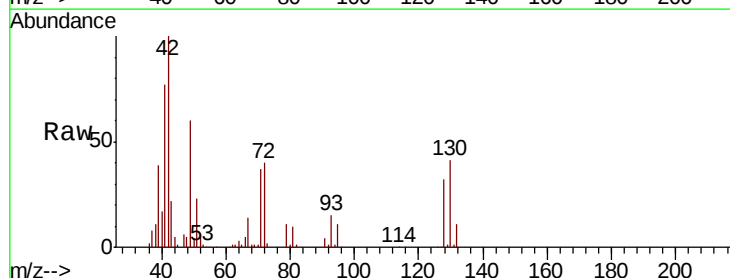
Tgt Ion: 49 Resp: 183353

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

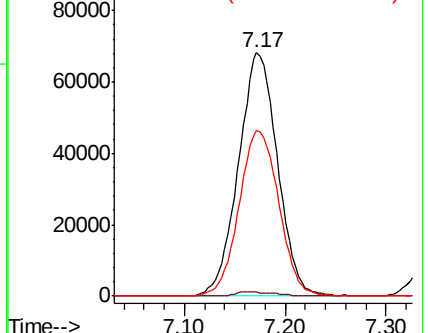
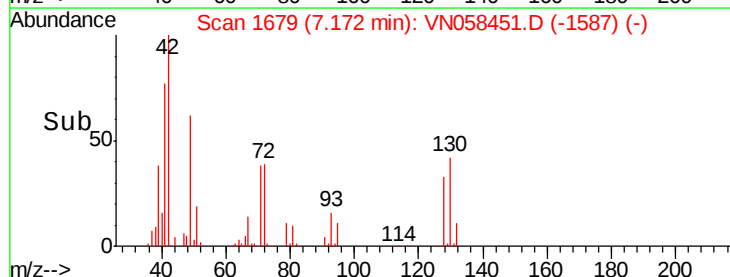
130 69.2 56.3 84.5

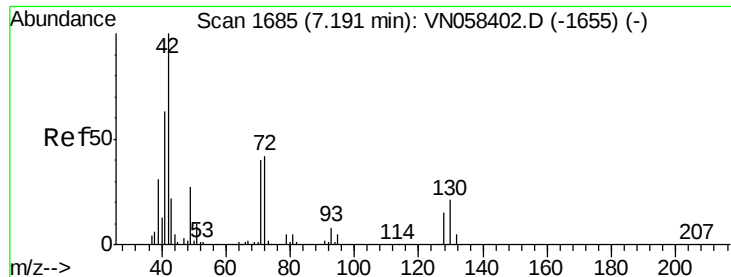


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 268.219 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

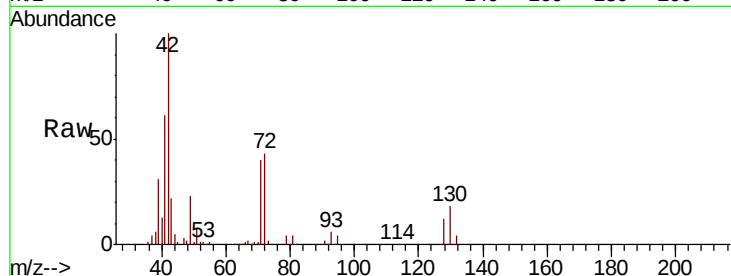
Tot Ion: 42 Resp: 487119

Ion Ratio Lower Upper

42 100

72 42.0 33.7 50.5

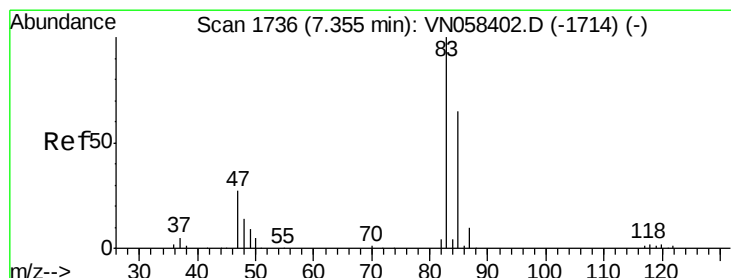
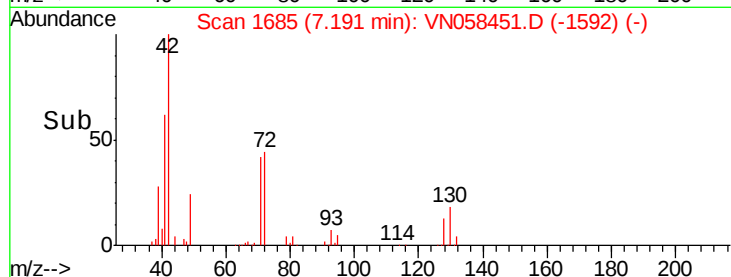
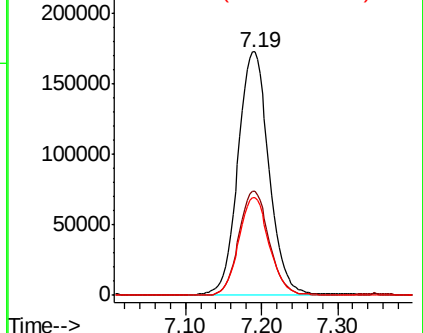
71 39.7 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.431 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058451.D

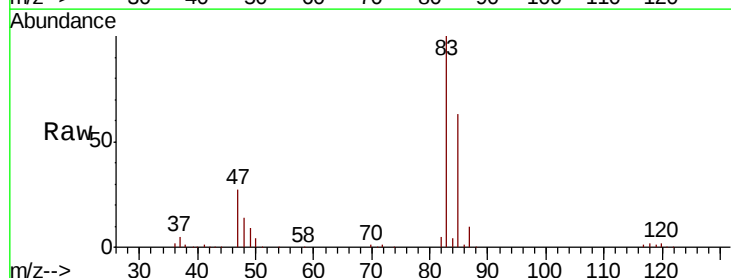
Acq: 1 Oct 2019 9:50

Tgt Ion: 83 Resp: 453333

Ion Ratio Lower Upper

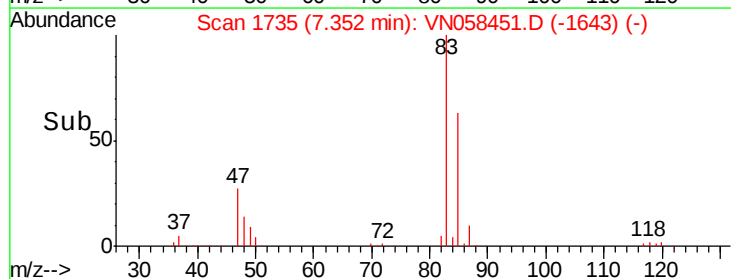
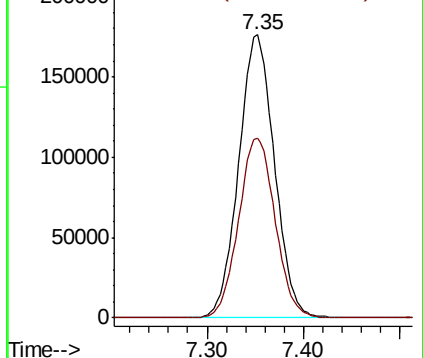
83 100

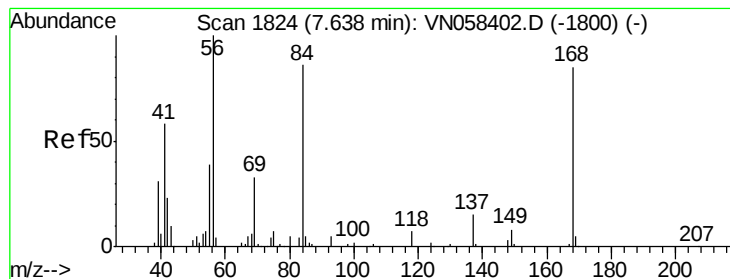
85 63.4 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 49.098 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

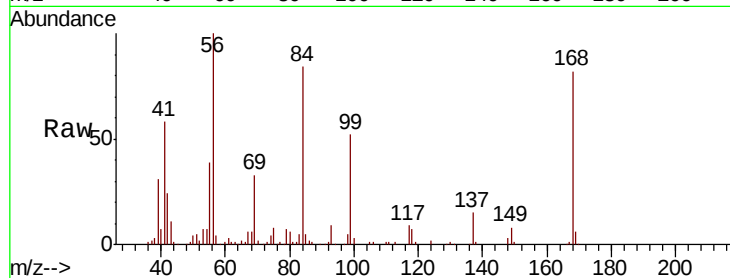
Tot Ion: 56 Resp: 415429

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

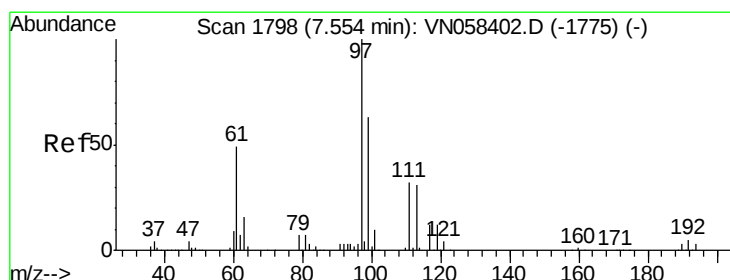
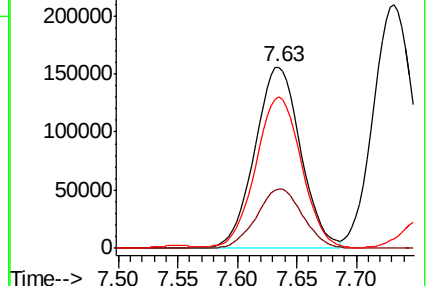
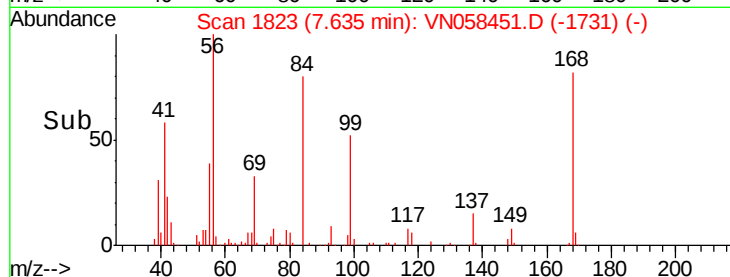
84 82.3 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VN058451.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN058451.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN058451.D (-1731) (-)



#32

1,1,1-Trichloroethane

Concen: 53.307 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

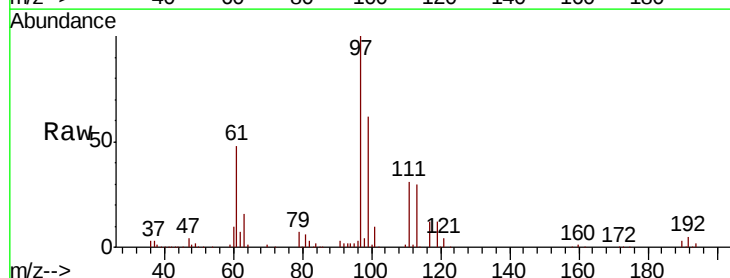
Tgt Ion: 97 Resp: 385852

Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

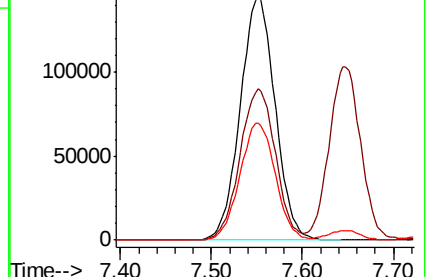
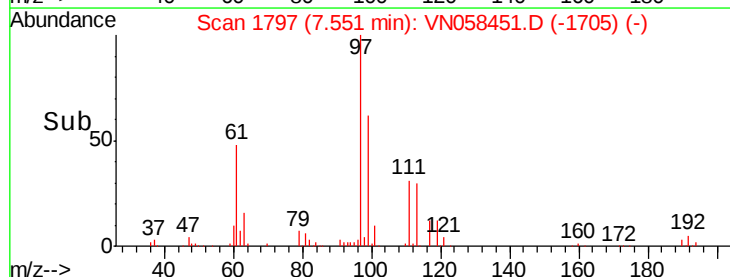
61 48.9 39.2 58.8

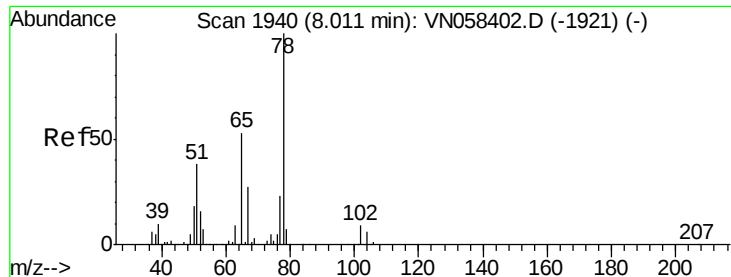


Abundance Ion 96.90 (96.60 to 97.60): VN058451.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058451.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058451.D (-1705) (-)

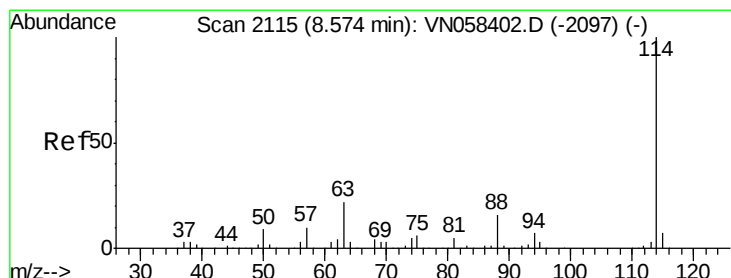
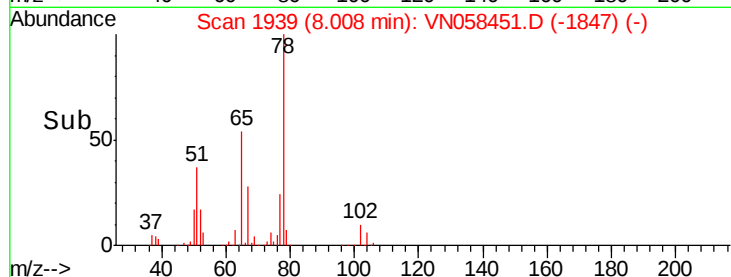
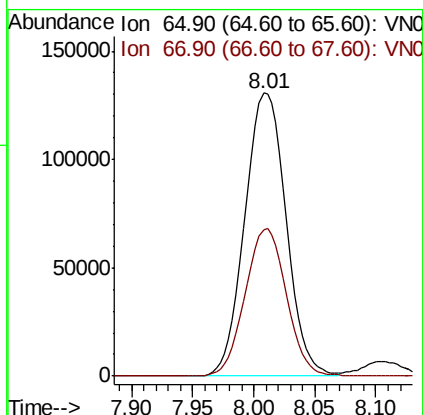
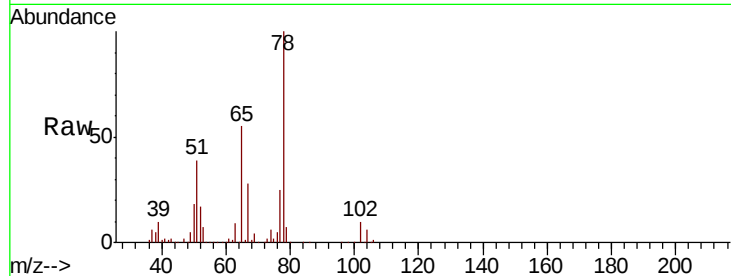




#33
 1,2-Dichloroethane-d4
 Concen: 50.223 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

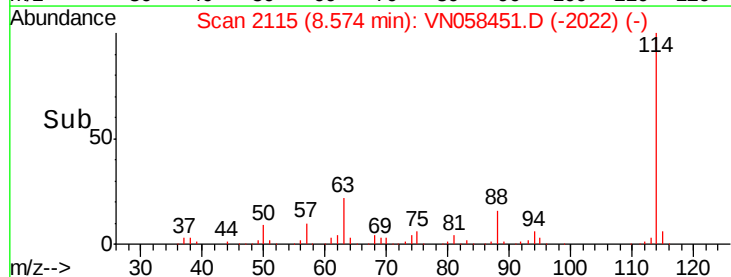
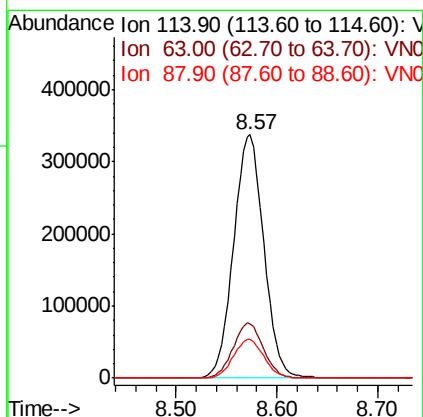
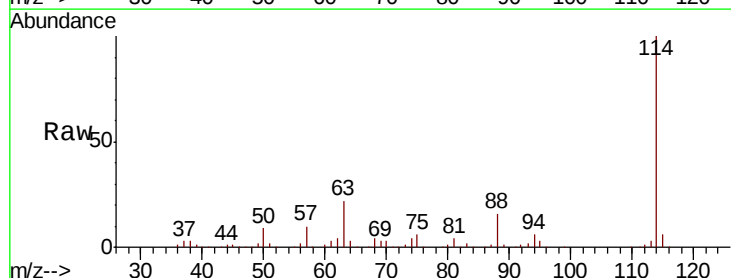
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

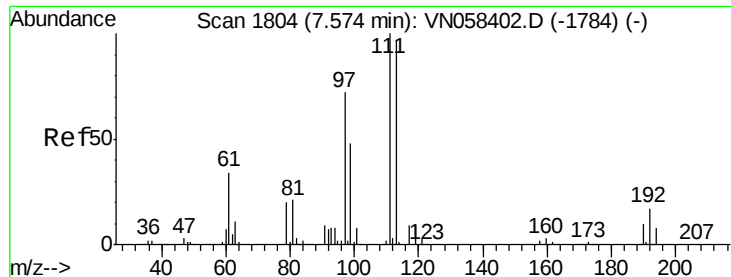
Tot Ion: 65 Resp: 307052
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 114 Resp: 701280
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 15.9 0.0 32.2

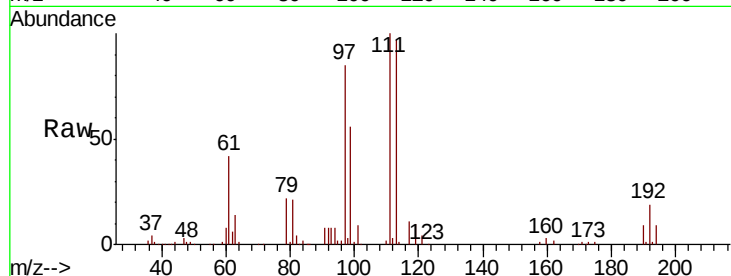




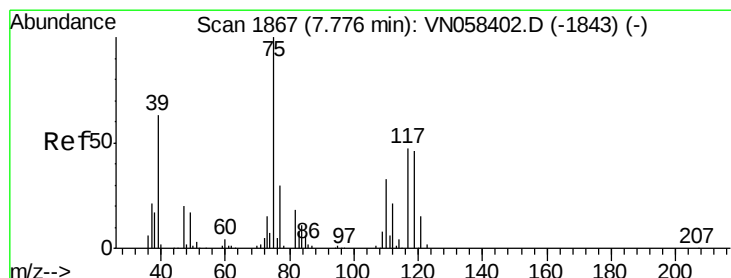
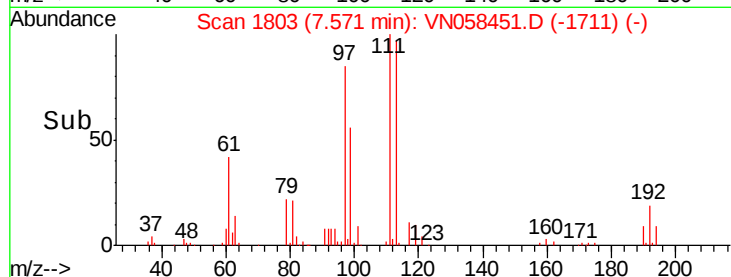
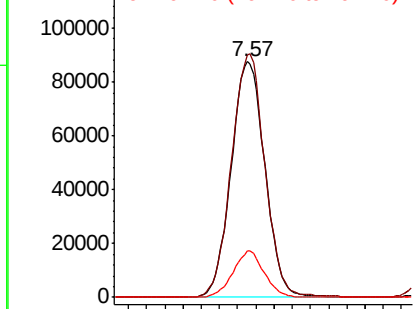
#35
 Dibromofluoromethane
 Concen: 52.589 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 226033
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.4 125.2
 192 18.0 14.9 22.3

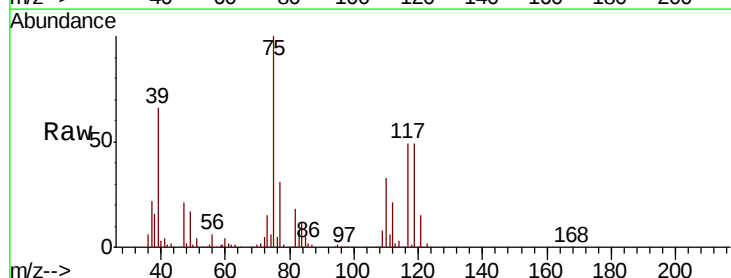


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

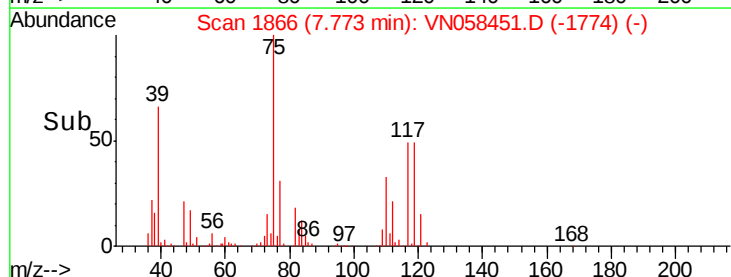
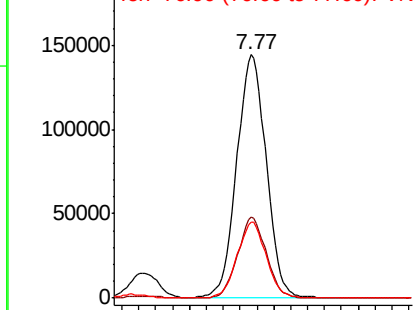


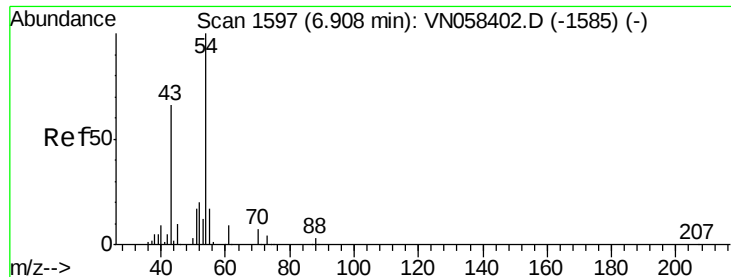
#36
 1,1-Dichloropropene
 Concen: 52.561 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 75 Resp: 352453
 Ion Ratio Lower Upper
 75 100
 110 32.2 16.4 49.2
 77 30.9 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

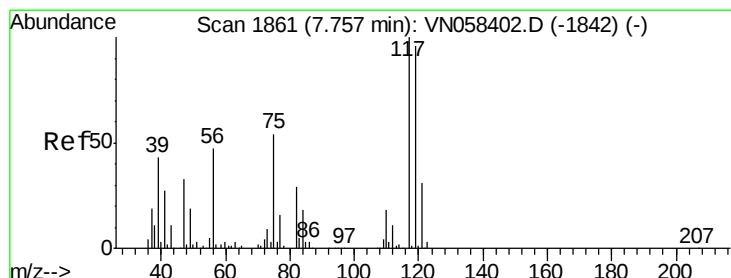
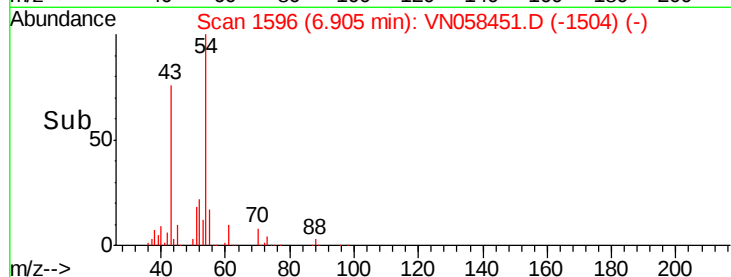
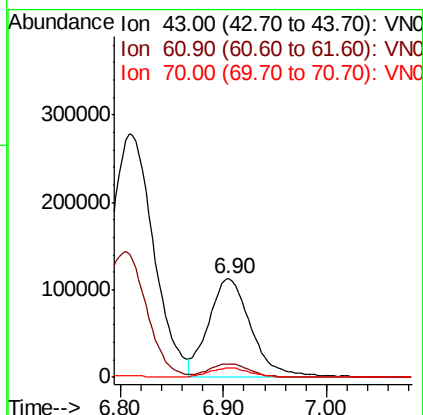
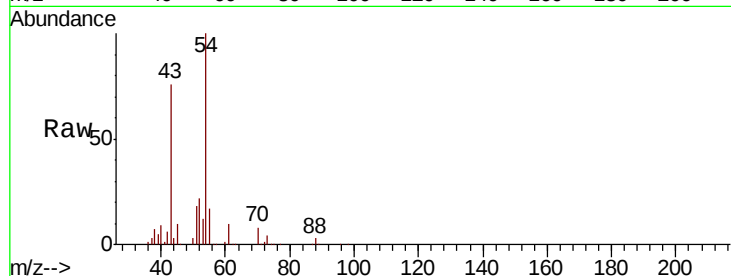




#37
Ethyl Acetate
Concen: 55.610 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

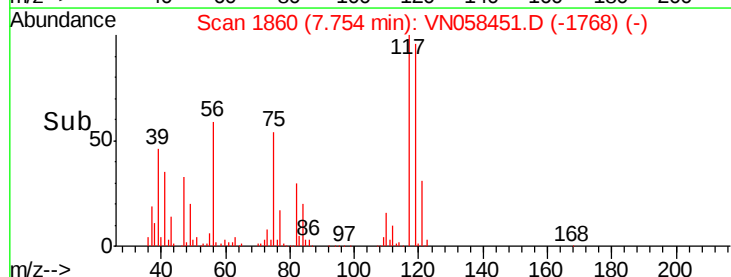
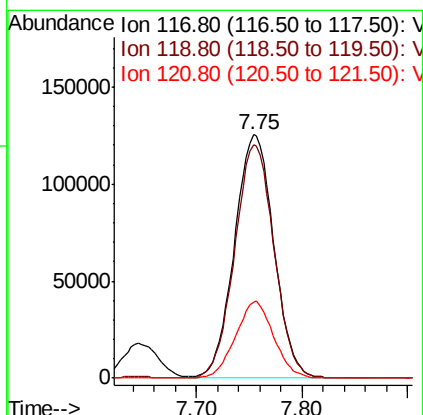
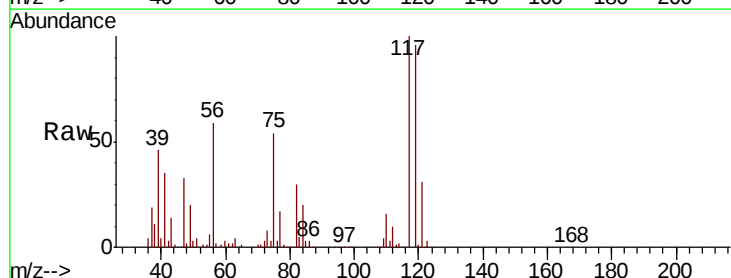
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

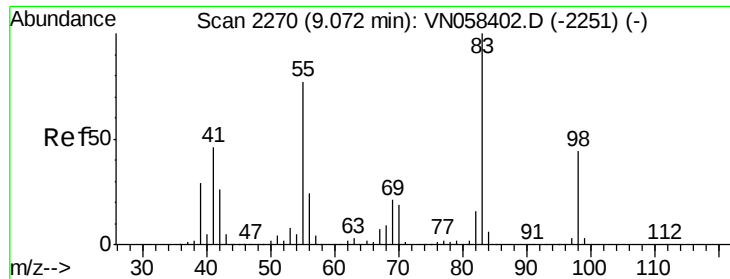
Tot Ion: 43 Resp: 316155
Ion Ratio Lower Upper
43 100
61 12.9 10.5 15.7
70 9.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 53.472 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 117 Resp: 323654
Ion Ratio Lower Upper
117 100
119 95.7 76.6 115.0
121 31.4 24.7 37.1

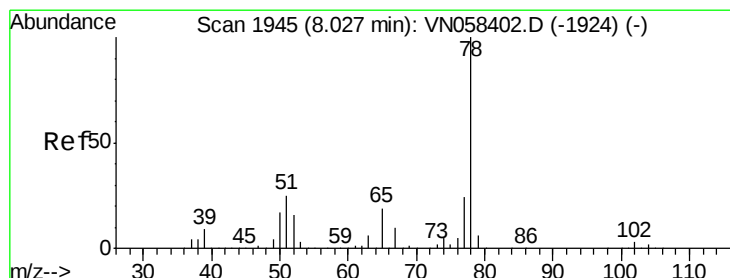
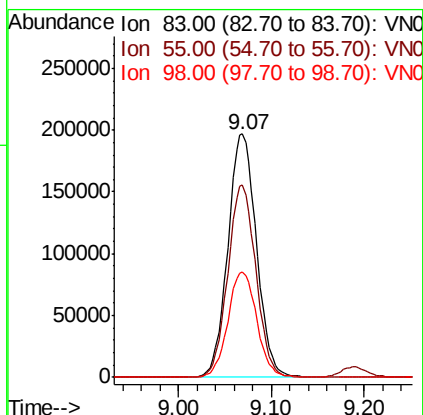
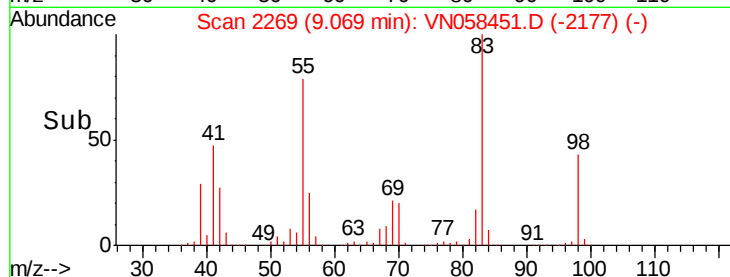
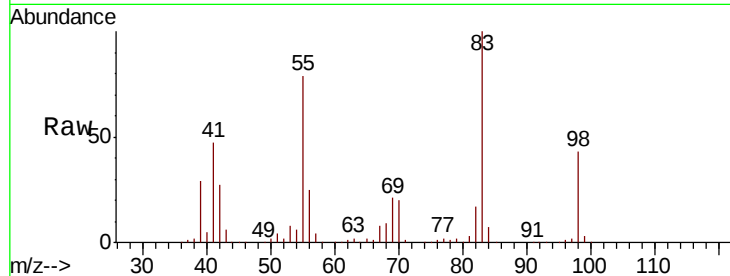




#39
Methvlcvclohexane
Concen: 53.774 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

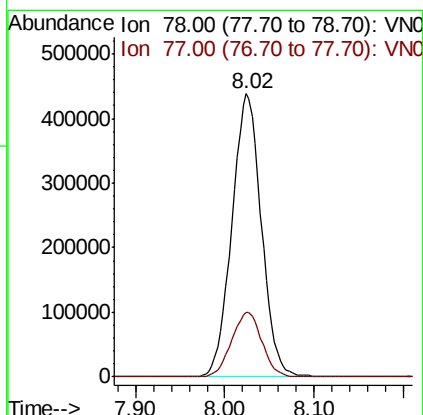
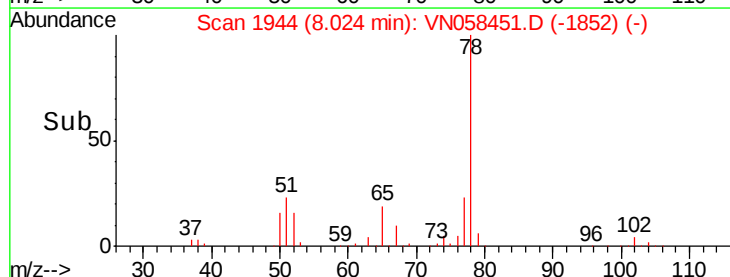
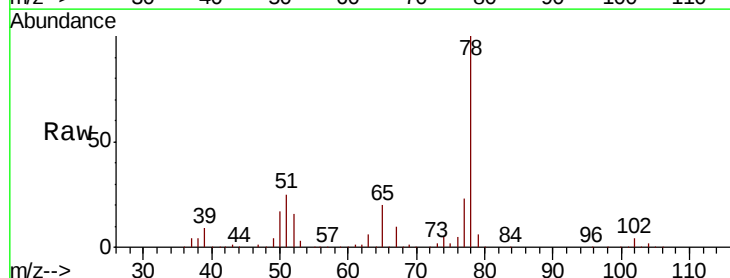
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

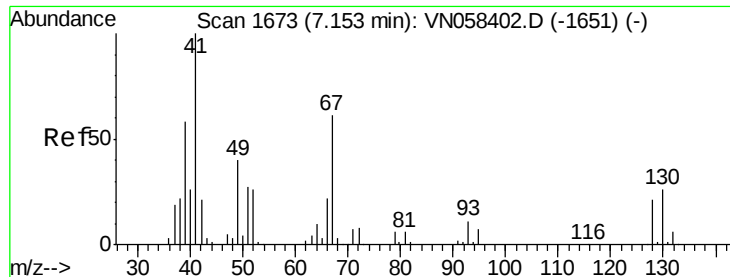
Tot Ion: 83 Resp: 421091
Ion Ratio Lower Upper
83 100
55 78.9 61.8 92.6
98 43.1 35.4 53.0



#40
Benzene
Concen: 52.086 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 78 Resp: 1003966
Ion Ratio Lower Upper
78 100
77 22.8 18.9 28.3

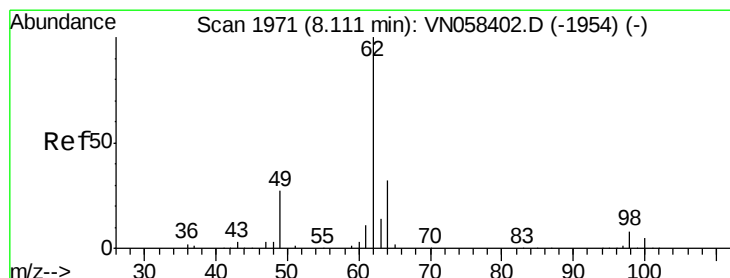
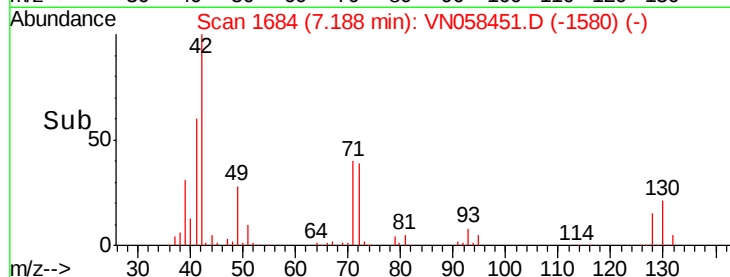
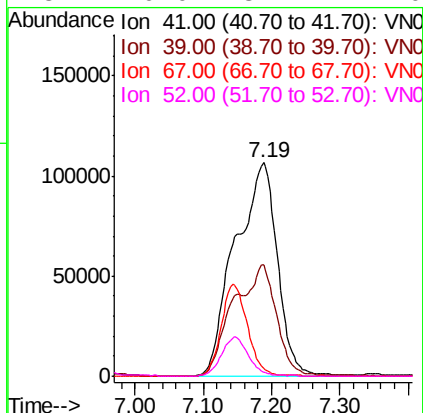
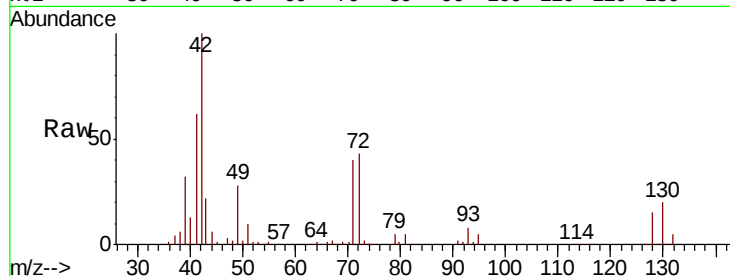




#41
Methacrylonitrile
Concen: 174.905 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.04 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

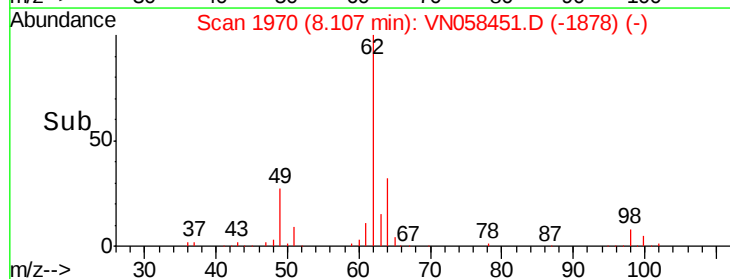
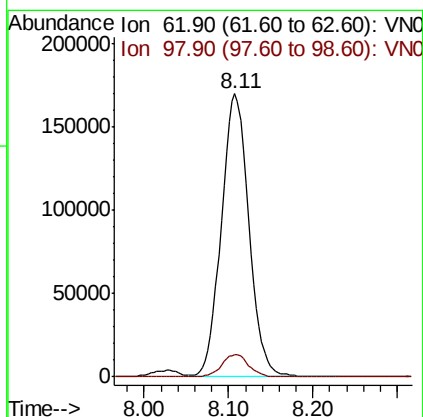
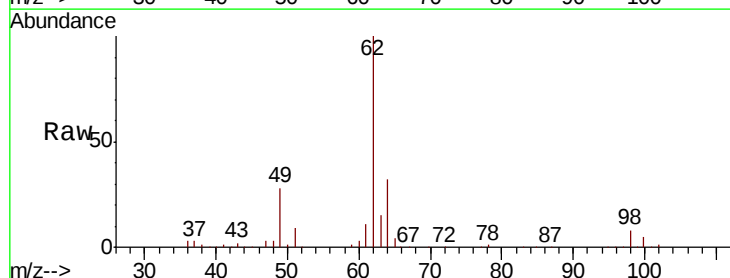
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

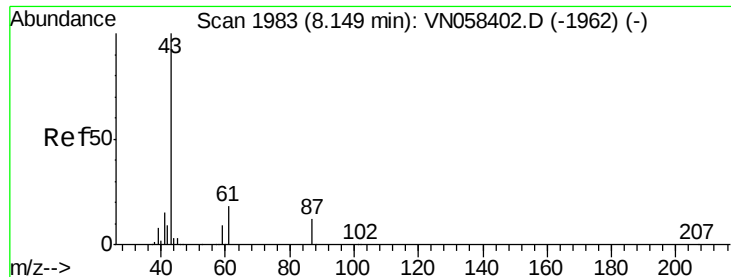
Tot Ion: 41 Resp: 457459
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 0.0 70.2 105.4#
52 0.0 31.4 47.0#



#42
1,2-Dichloroethane
Concen: 51.440 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 62 Resp: 385747
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.6





#43

Isopropyl Acetate

Concen: 50.389 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

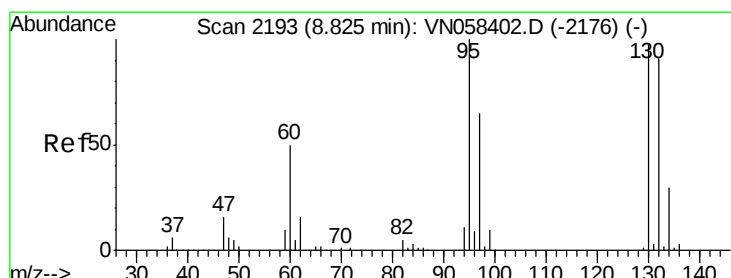
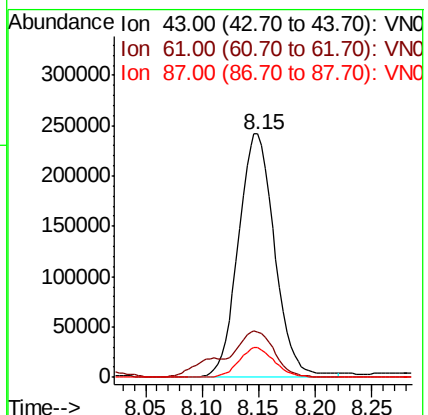
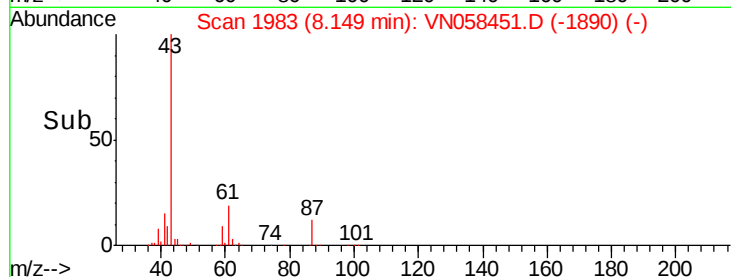
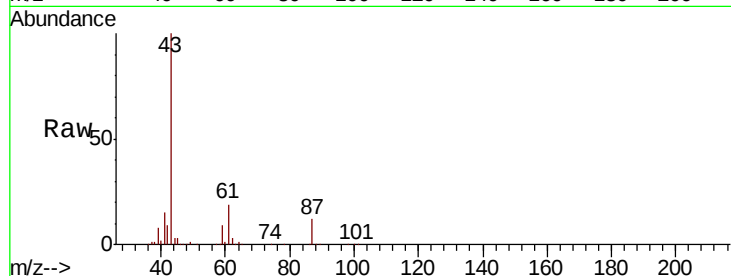
Tot Ion: 43 Resp: 538704

Ion Ratio Lower Upper

43 100

61 19.3 14.8 22.2

87 12.0 9.7 14.5



#44

Trichloroethene

Concen: 51.692 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058451.D

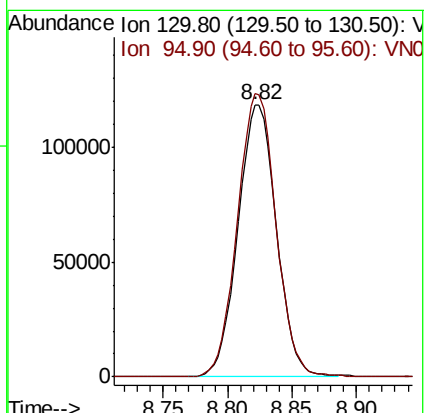
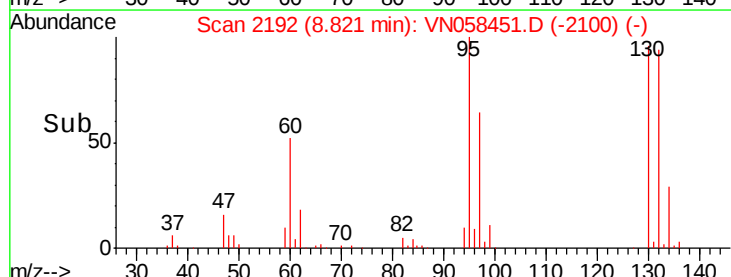
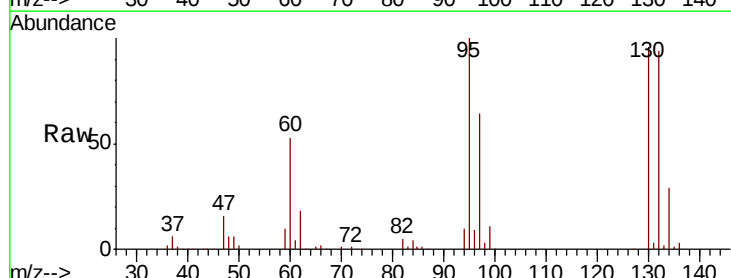
Acq: 1 Oct 2019 9:50

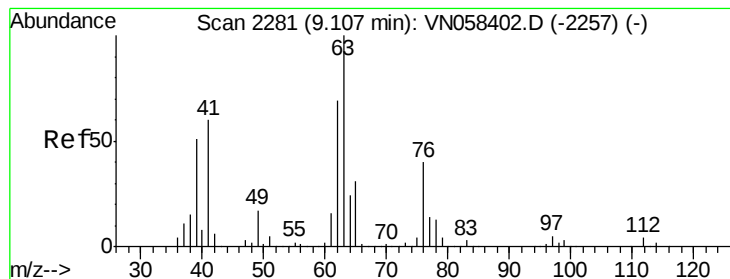
Tgt Ion: 130 Resp: 246021

Ion Ratio Lower Upper

130 100

95 103.9 0.0 204.2





#45

1,2-Dichloropropane

Concen: 53.598 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

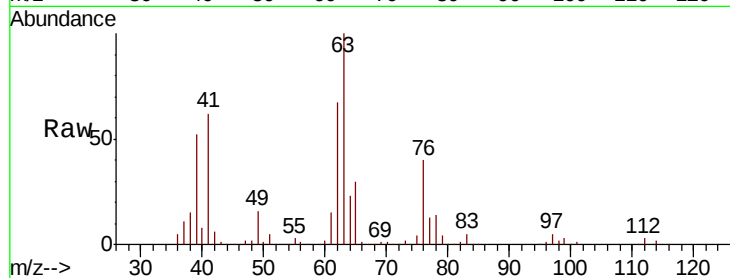
VSTDCCC050

Tot Ion: 63 Resp: 277074

Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

150000

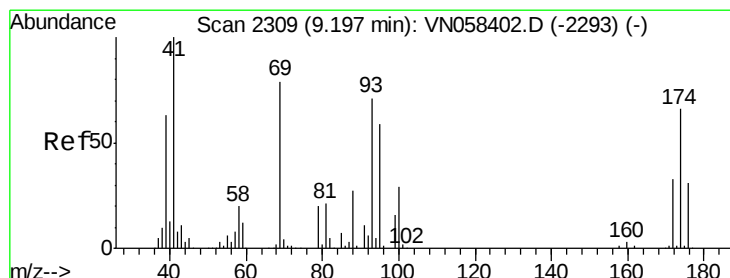
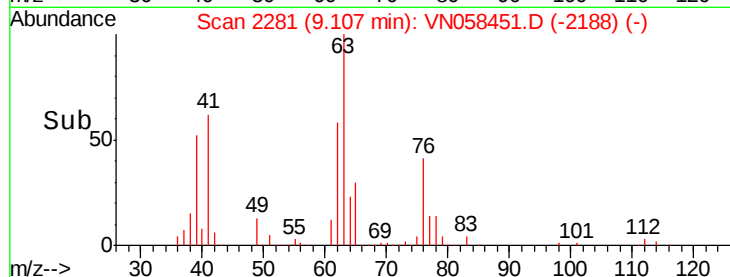
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 52.938 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

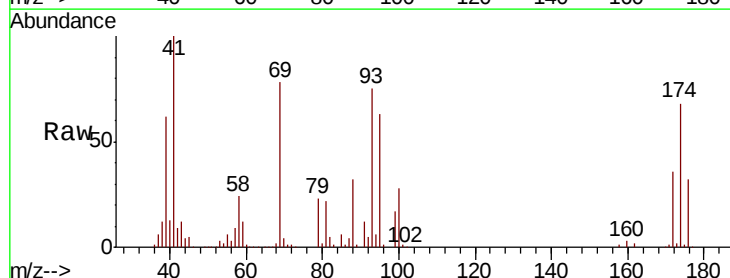
Tgt Ion: 93 Resp: 173306

Ion Ratio Lower Upper

93 100

95 82.1 67.0 100.4

174 90.4 74.2 111.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.20

100000

80000

60000

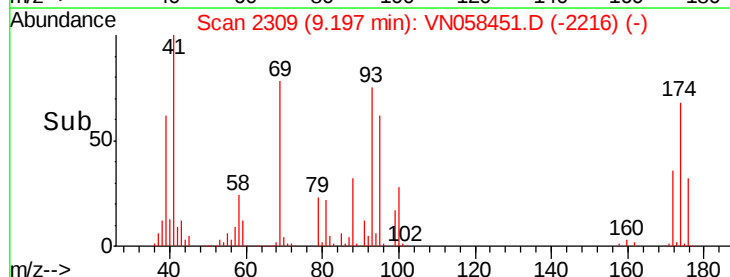
40000

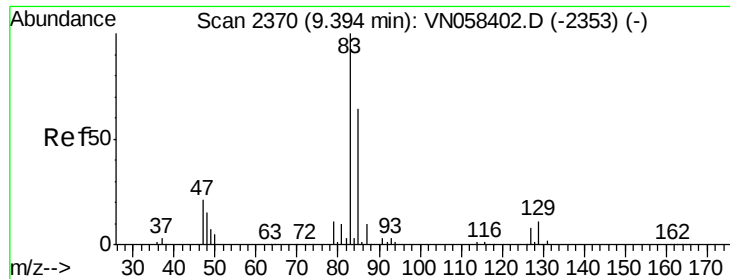
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 56.173 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

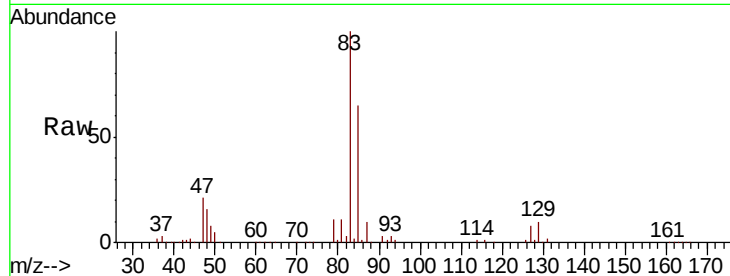
Tot Ion: 83 Resp: 348422

Ion Ratio Lower Upper

83 100

85 64.6 51.2 76.8

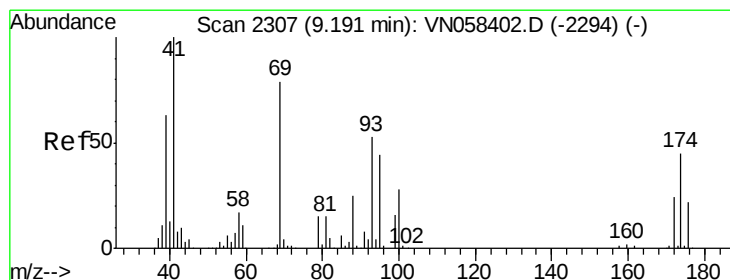
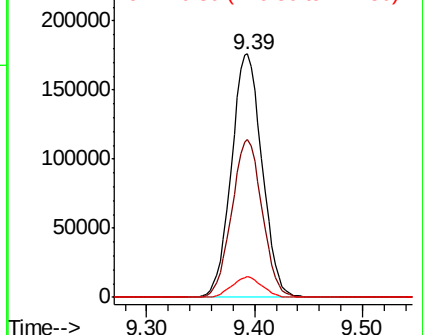
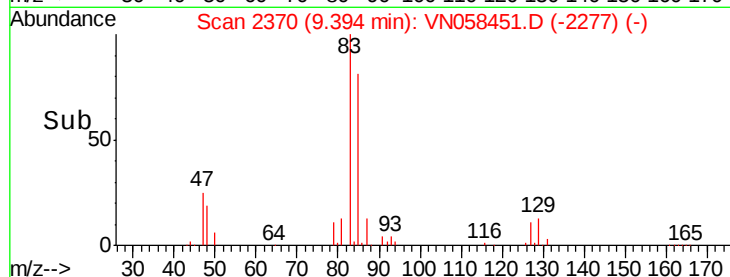
127 8.4 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.612 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

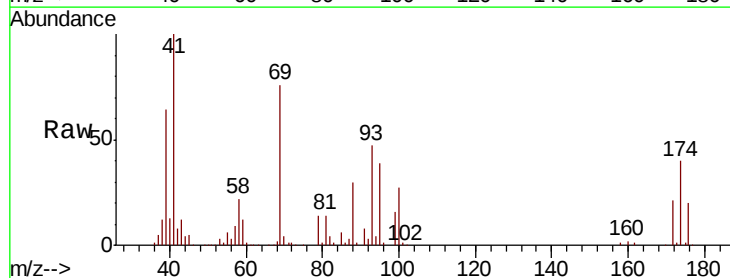
Tgt Ion: 41 Resp: 260985

Ion Ratio Lower Upper

41 100

69 80.3 64.7 97.1

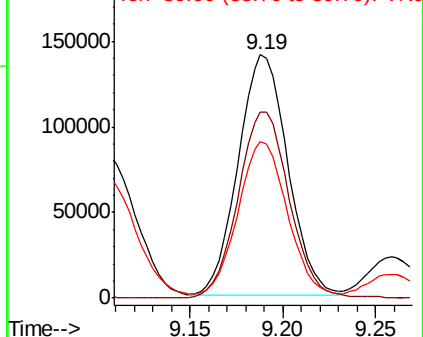
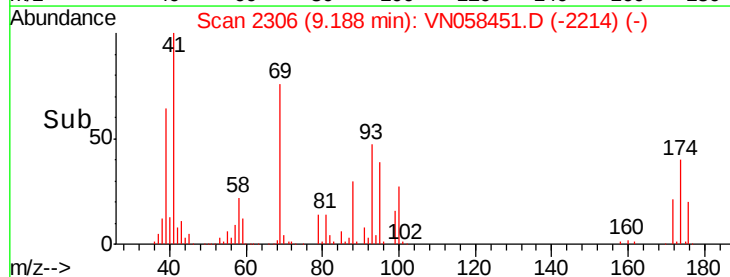
39 65.4 52.9 79.3

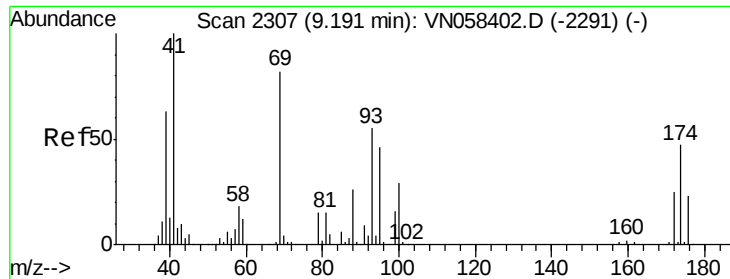


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

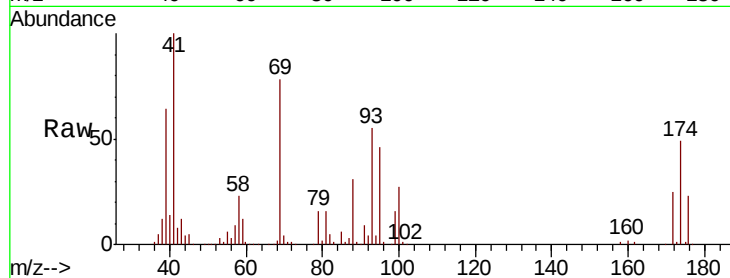




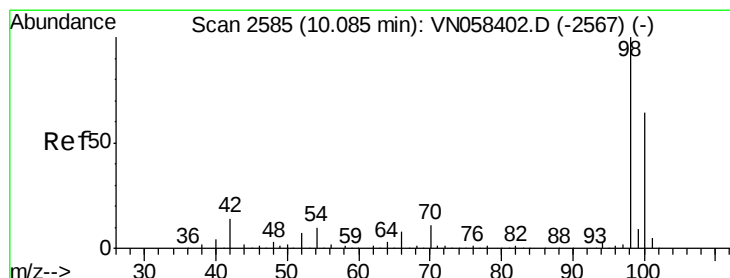
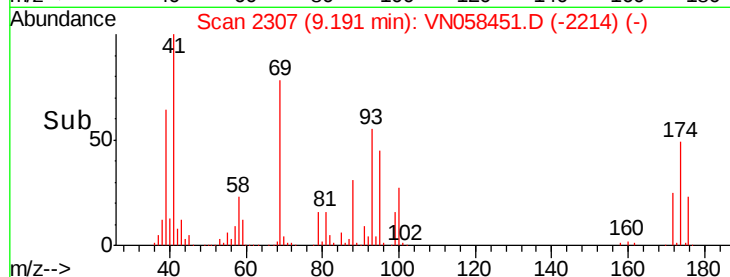
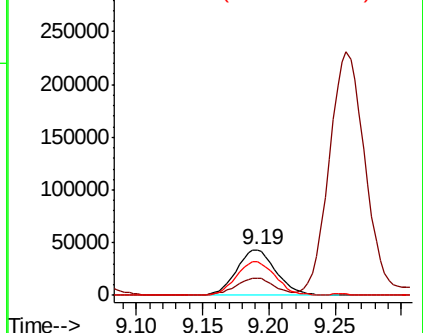
#49
1,4-Dioxane
Concen: 1383.532 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 90057
Ion Ratio Lower Upper
88 100
43 35.8 31.1 46.7
58 73.3 58.1 87.1

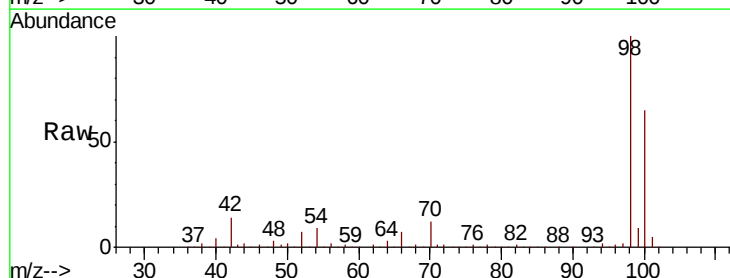


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

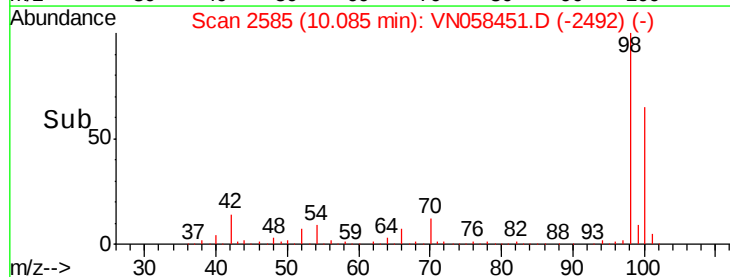
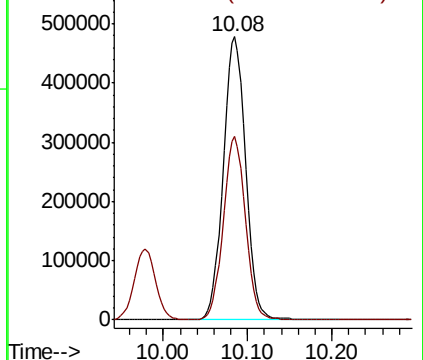


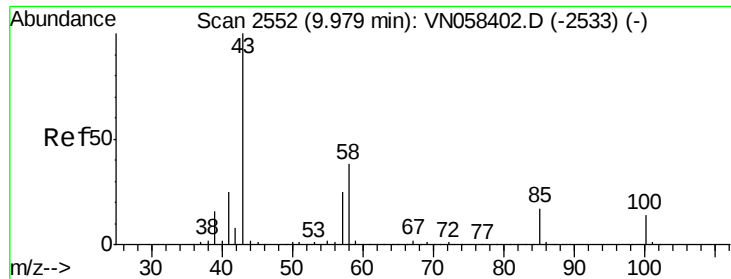
#50
Toluene-d8
Concen: 52.273 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 98 Resp: 880132
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 289.292 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

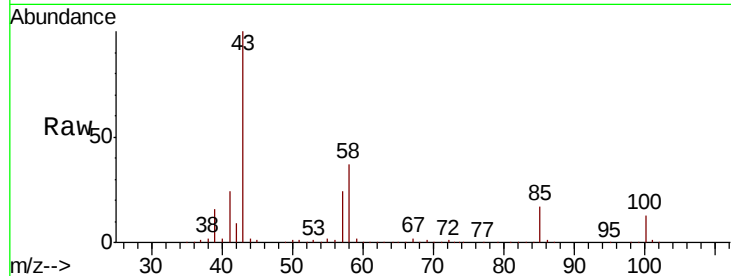
VSTDCCC050

Tot Ion: 43 Resp: 1588654

Ion Ratio Lower Upper

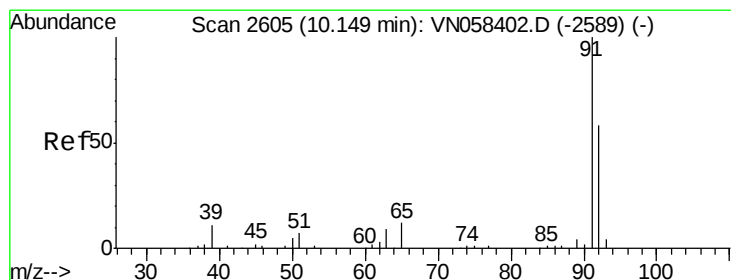
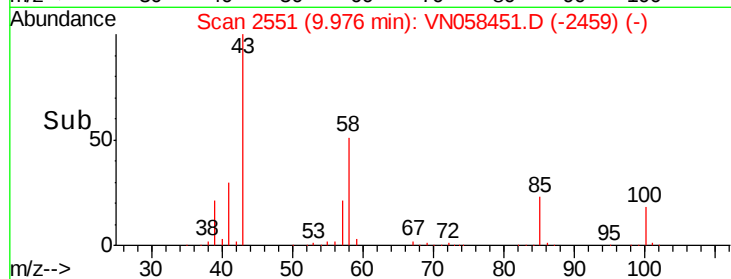
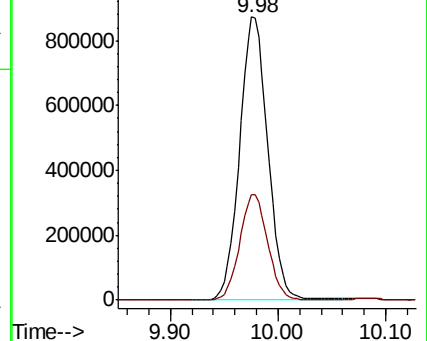
43 100

58 37.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.489 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058451.D

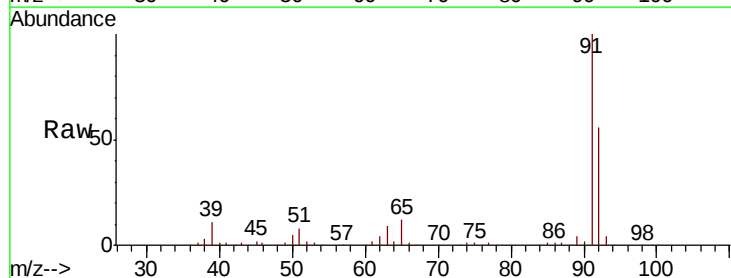
Acq: 1 Oct 2019 9:50

Tgt Ion: 92 Resp: 624684

Ion Ratio Lower Upper

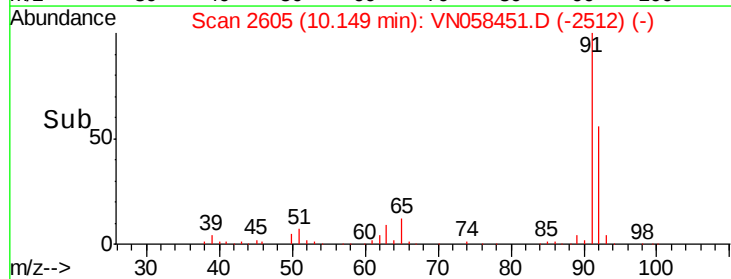
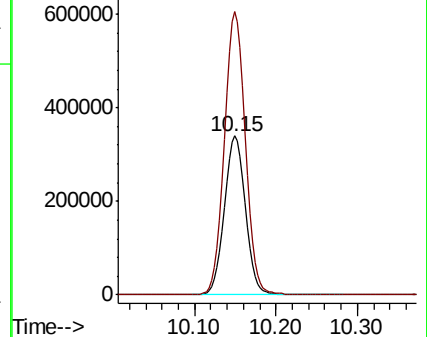
92 100

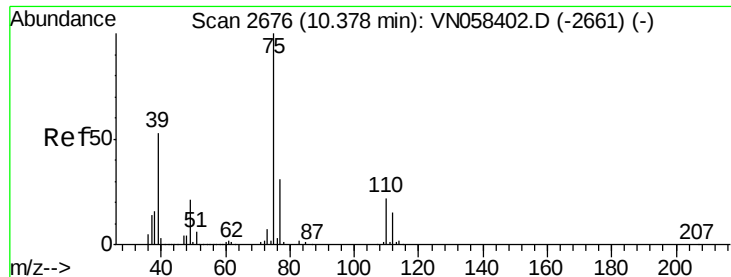
91 177.6 140.2 210.4



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: 57.659 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

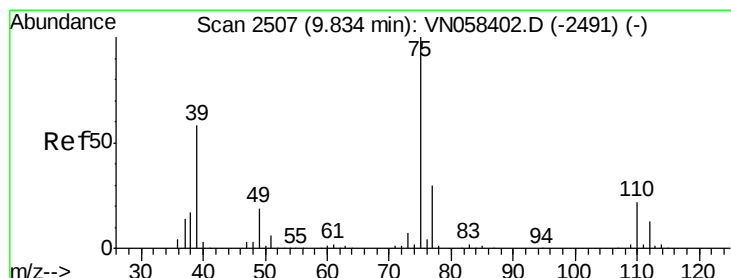
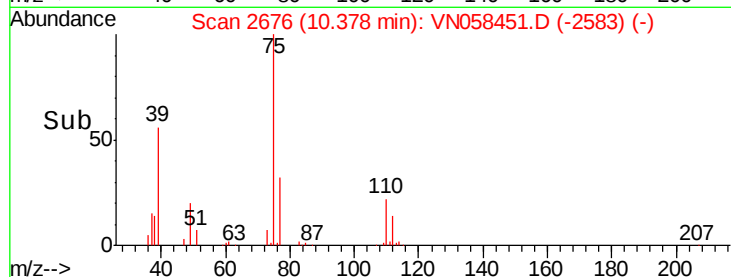
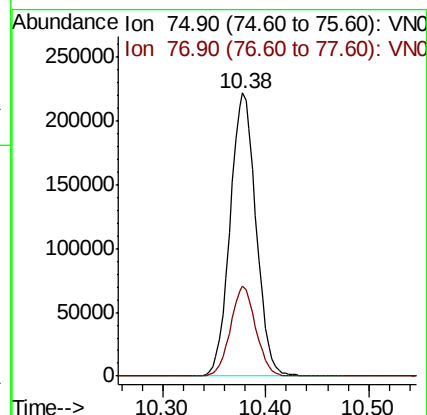
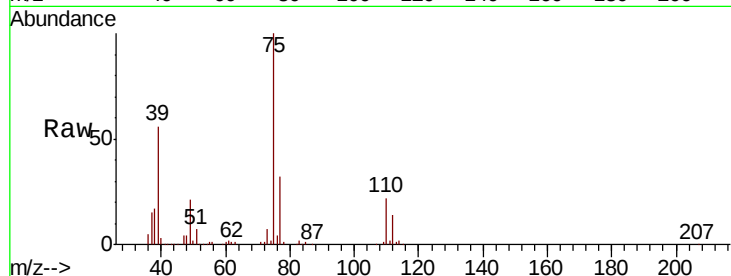
VSTDCCC050

Tot Ion: 75 Resp: 389268

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 56.330 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

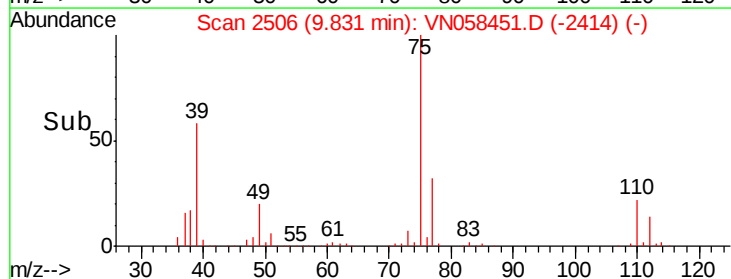
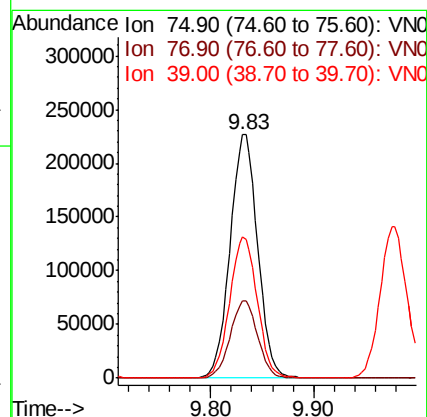
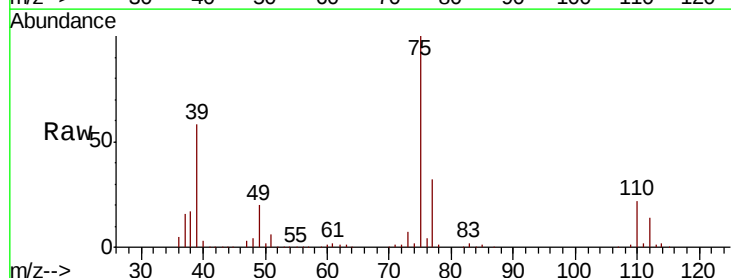
Tgt Ion: 75 Resp: 422142

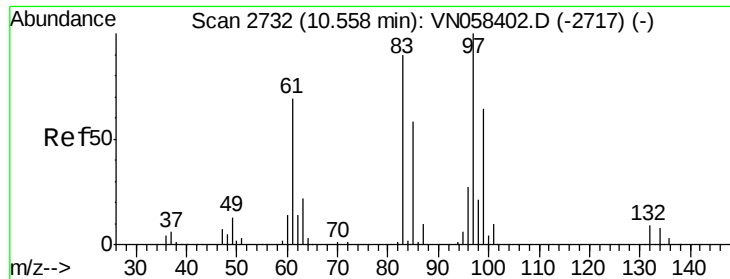
Ion Ratio Lower Upper

75 100

77 31.8 24.2 36.4

39 58.0 46.4 69.6



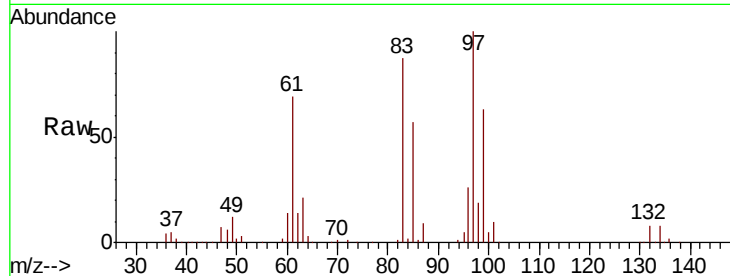


#55
 1,1,2-Trichloroethane
 Concen: 54.732 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

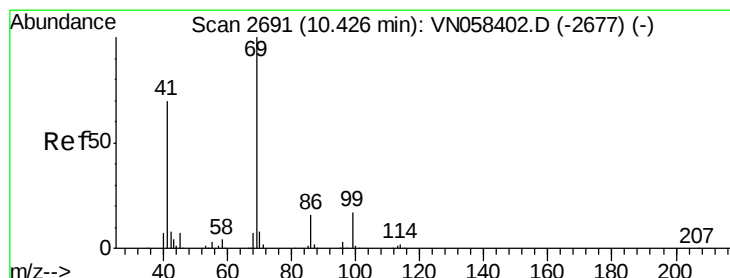
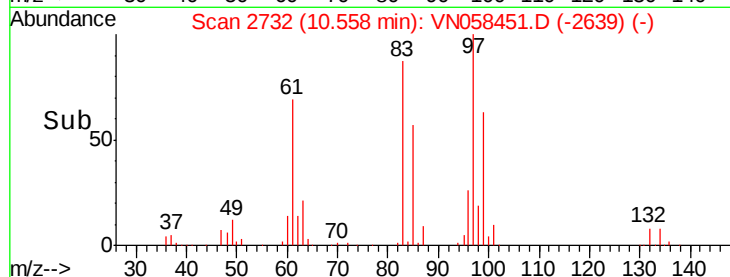
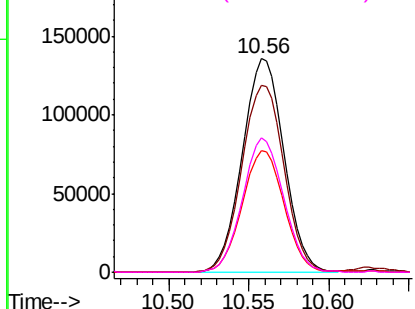
Tot Ion: 97 Resp: 241783

Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.8	107.6
85	56.8	46.6	69.8
99	62.8	51.5	77.3



Abundance

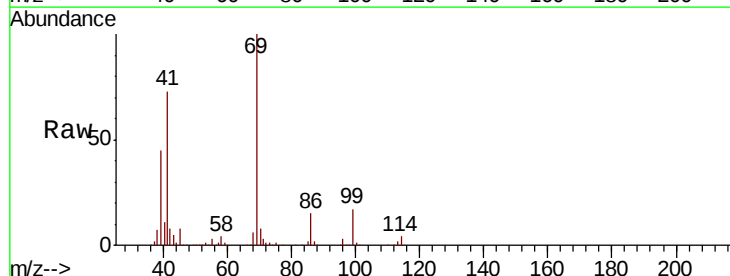
Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 56.141 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

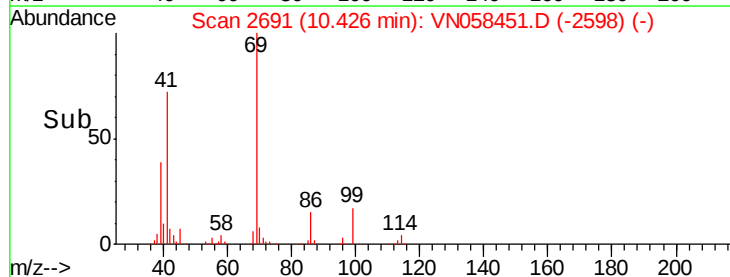
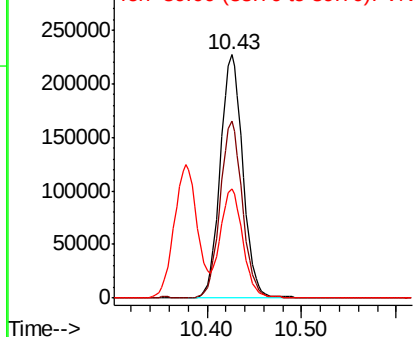
Tgt Ion: 69 Resp: 376325

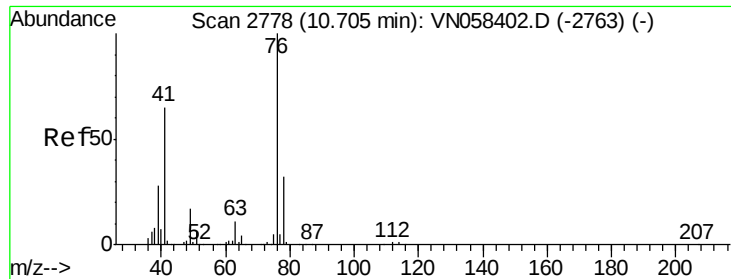
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.3	84.5
39	44.3	35.8	53.6



Abundance

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

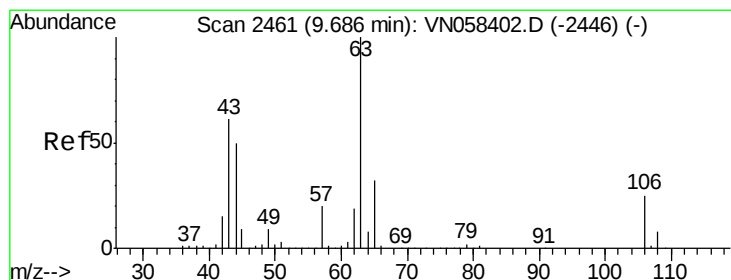
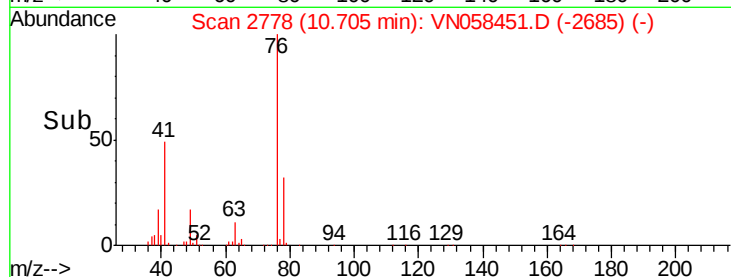
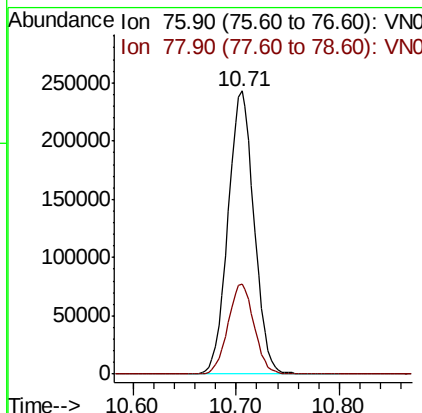
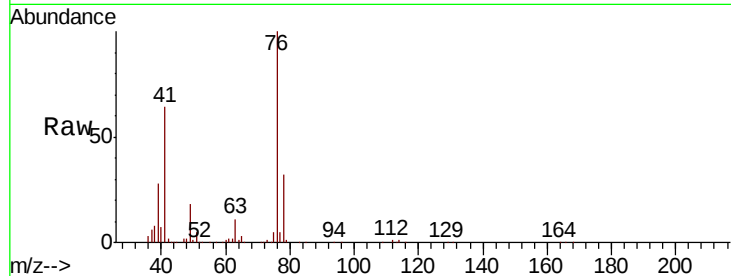




#57
 1,3-Dichloropropane
 Concen: 54.285 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

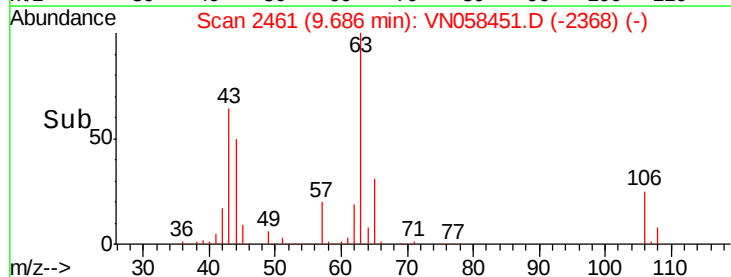
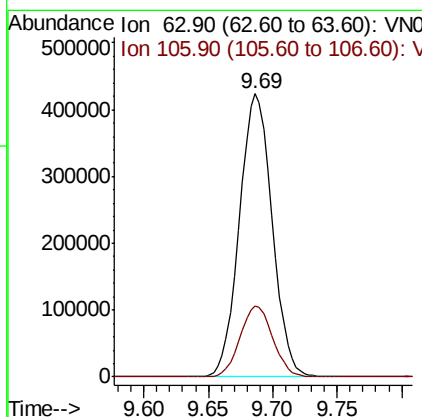
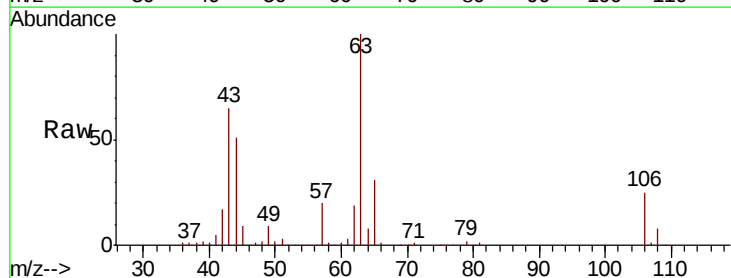
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

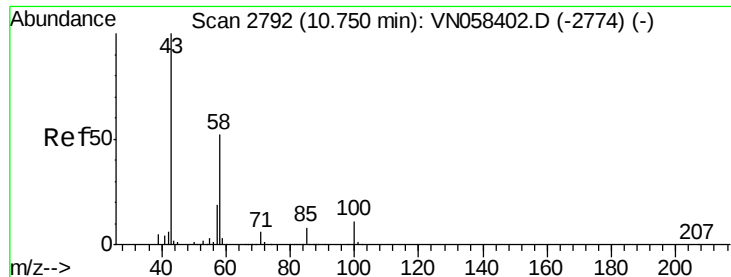
Tot Ion: 76 Resp: 427751
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.189 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 63 Resp: 748917
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.3 30.5

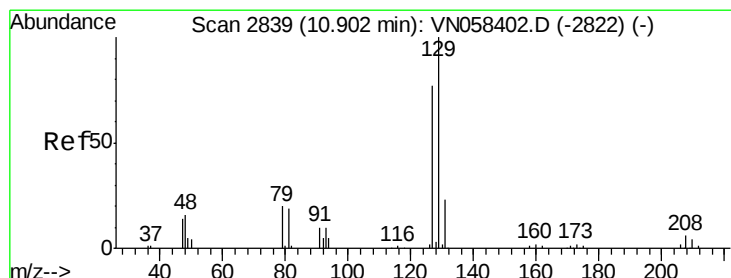
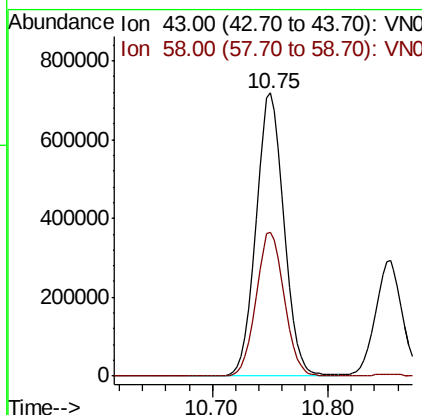
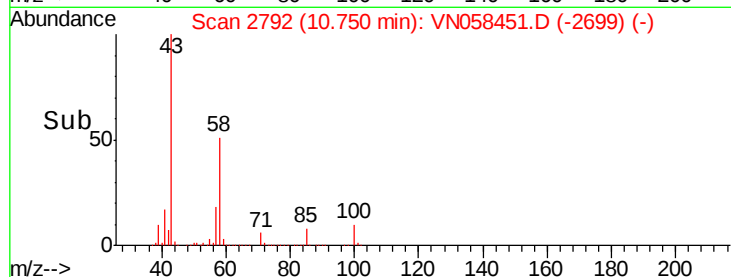
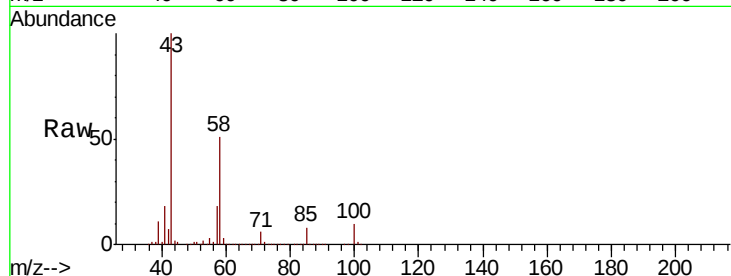




#59
2-Hexanone
Concen: 301.890 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

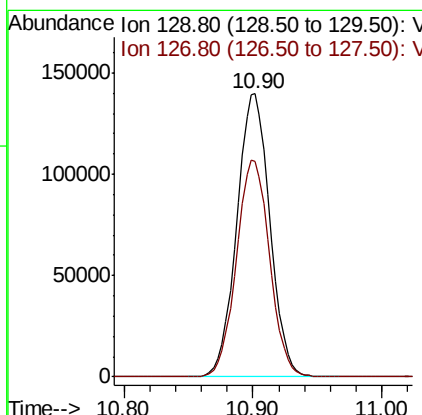
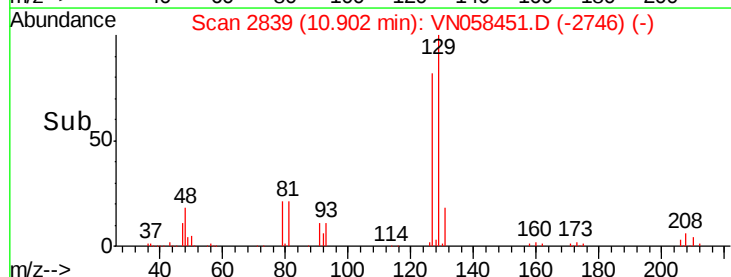
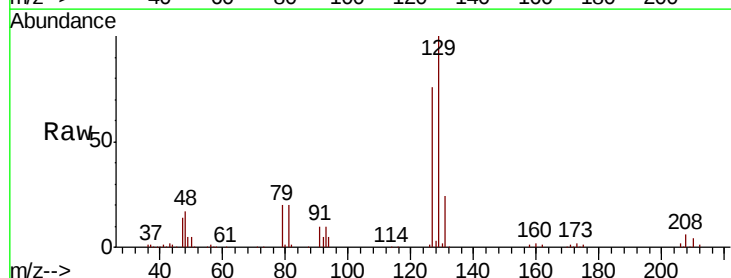
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

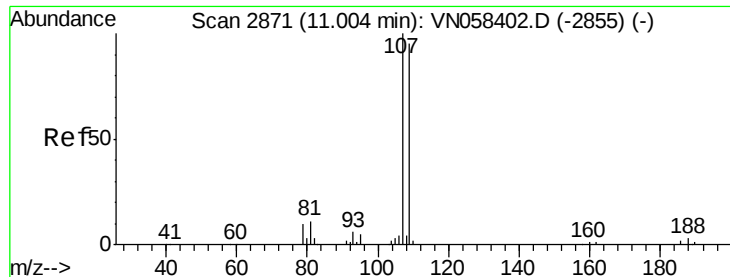
Tot Ion: 43 Resp: 1207155
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3



#60
Dibromochloromethane
Concen: 54.465 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 129 Resp: 248929
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 54.309 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

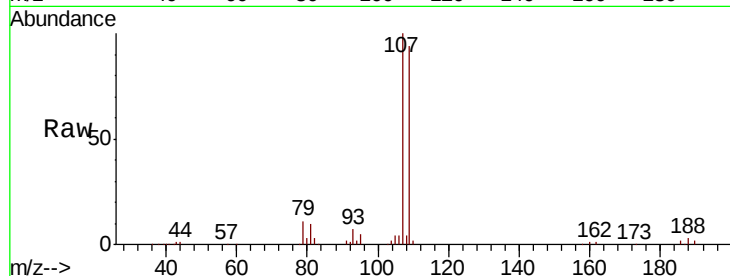
VSTDCCC050

Tot Ion: 107 Resp: 245142

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

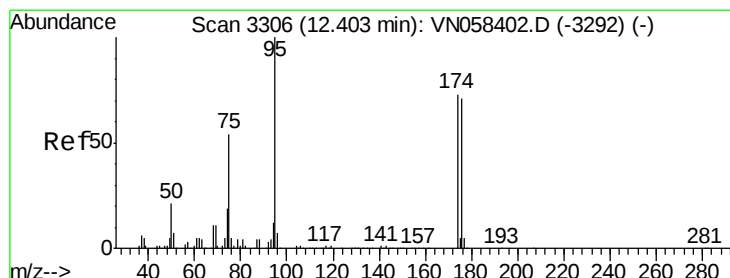
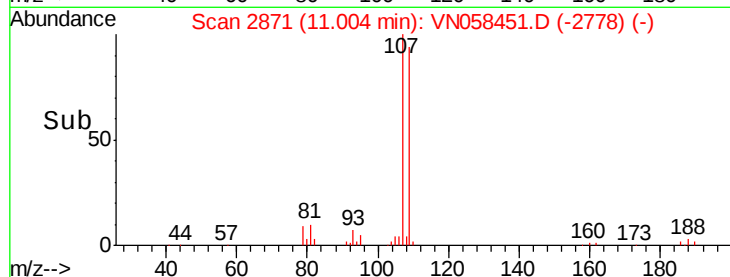
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.784 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

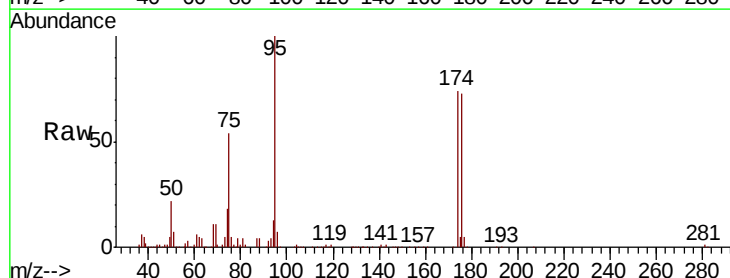
Tgt Ion: 95 Resp: 327438

Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.6

176 72.0 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

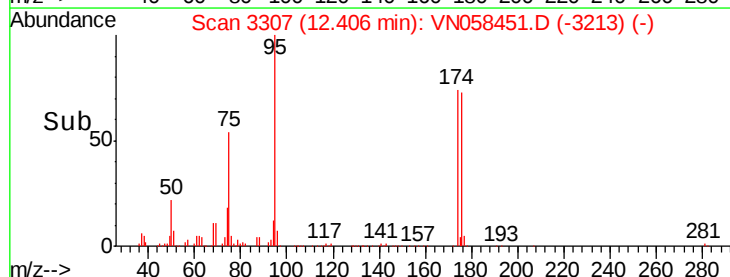
150000

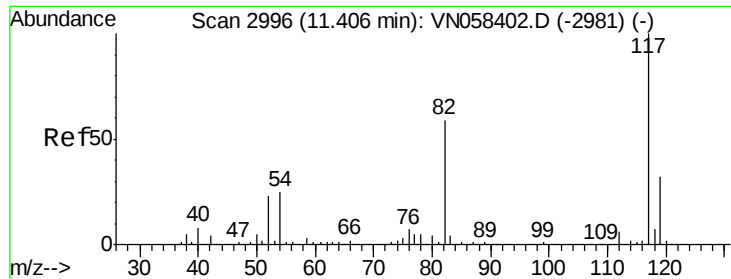
100000

50000

0

Time--> 12.35 12.40 12.45

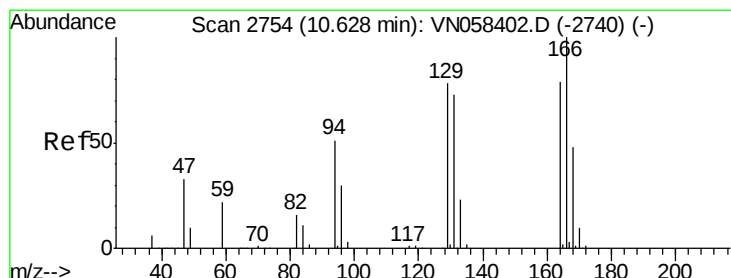
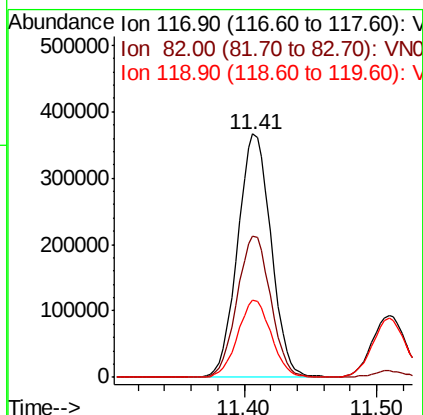
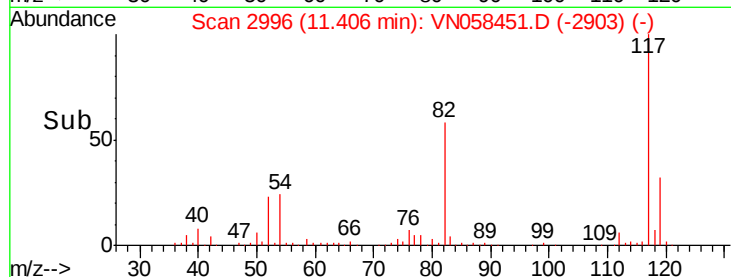
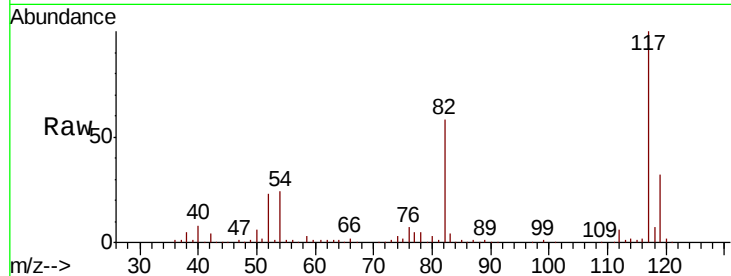




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

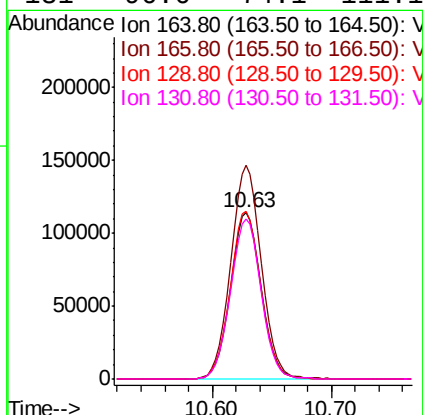
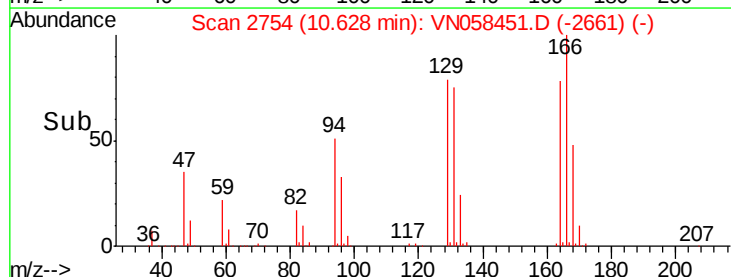
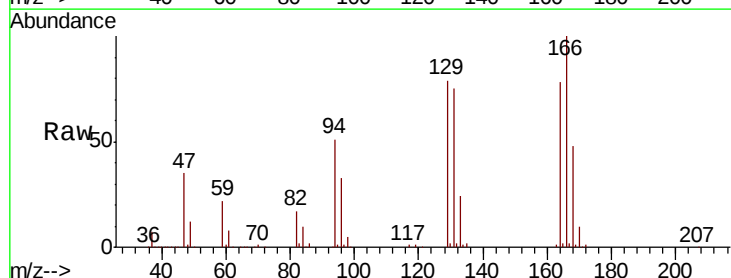
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

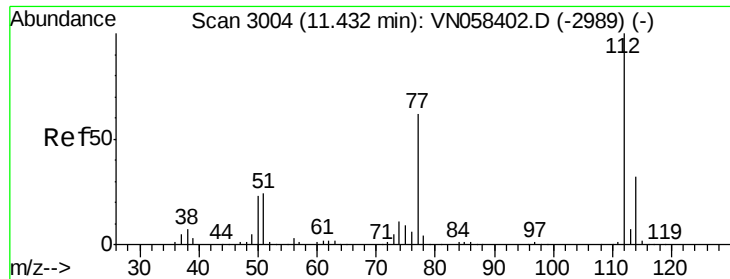
Tot Ion:117 Resp: 642678
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.0
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 50.059 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion:164 Resp: 204398
Ion Ratio Lower Upper
164 100
166 128.7 101.1 151.7
129 101.1 79.2 118.8
131 96.6 74.1 111.1

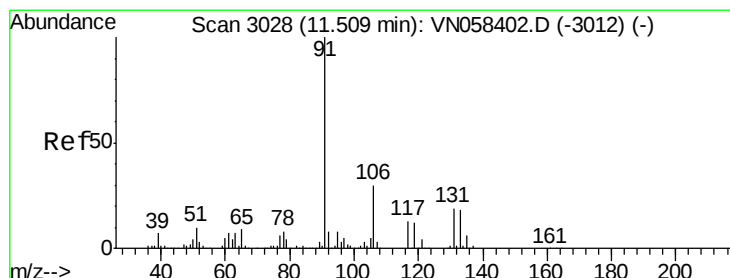
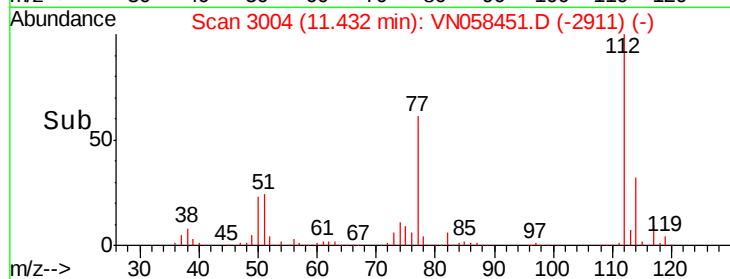
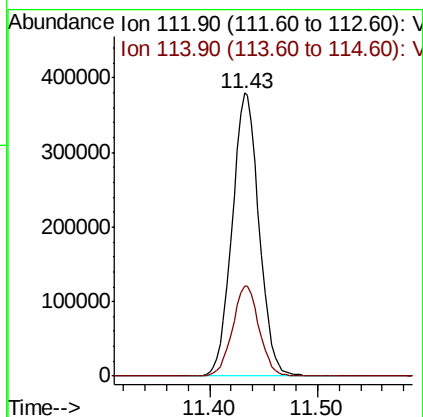
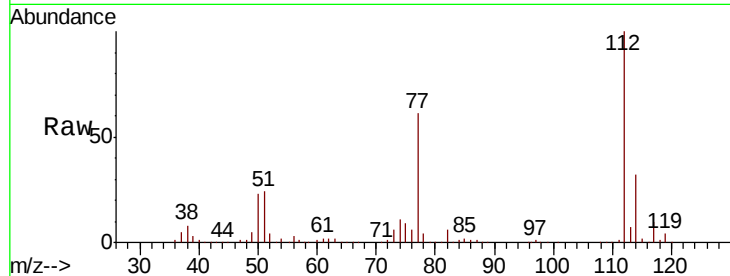




#65
Chlorobenzene
Concen: 51.658 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

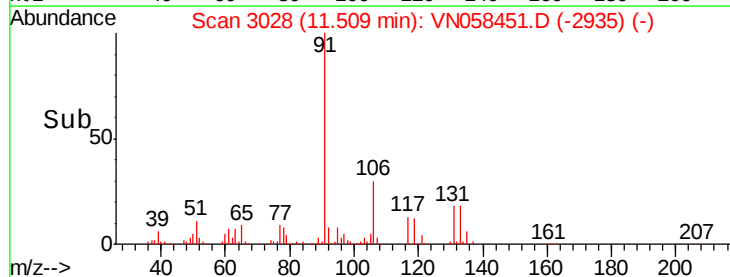
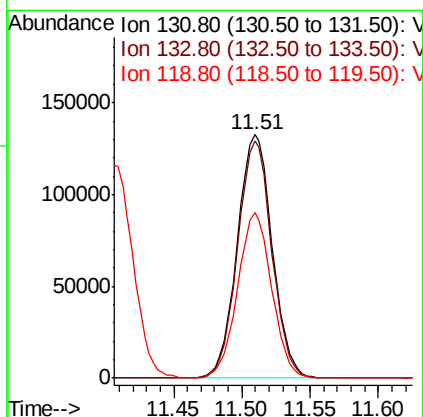
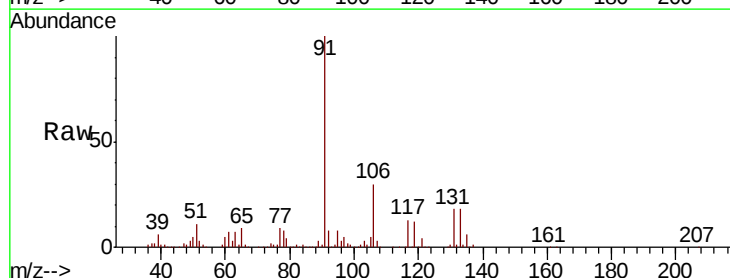
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

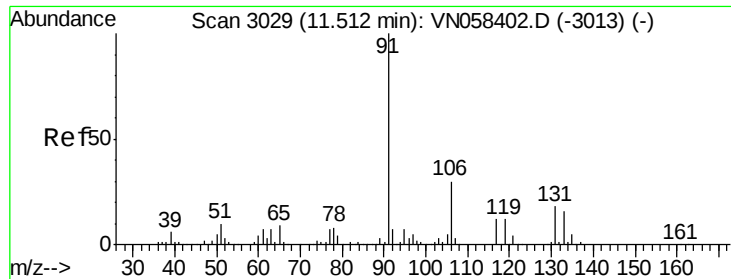
Tot Ion:112 Resp: 659929
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.745 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion:131 Resp: 235633
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 66.1 33.0 99.0

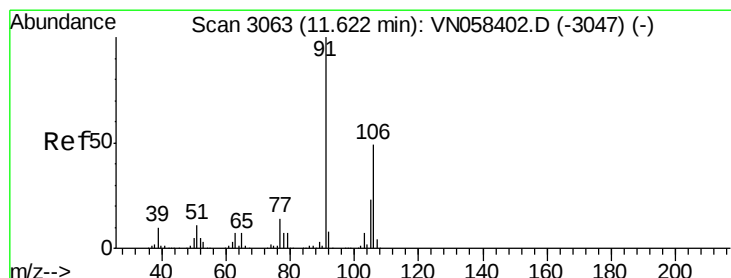
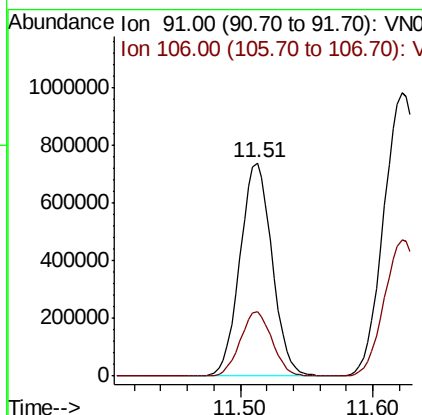
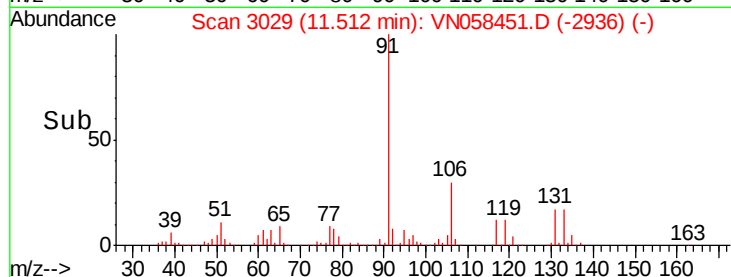
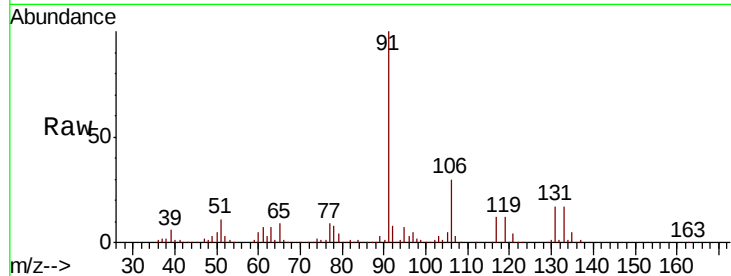




#67
Ethyl Benzene
Concen: 53.481 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

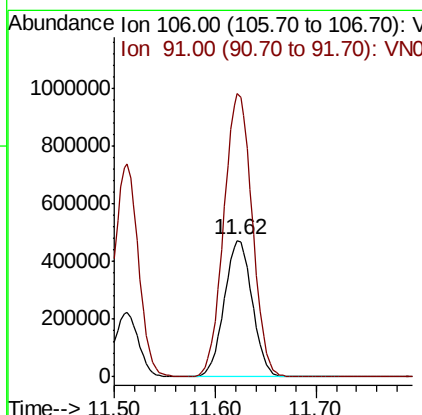
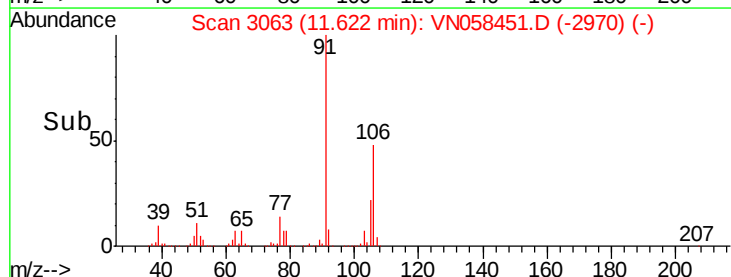
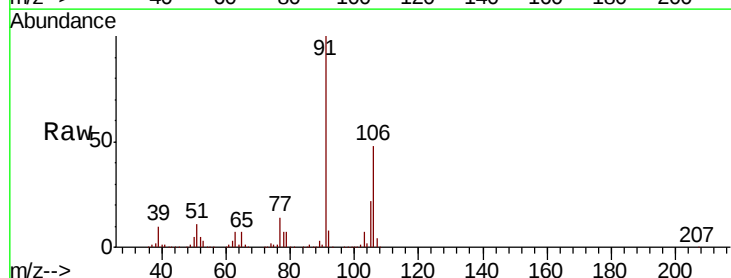
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

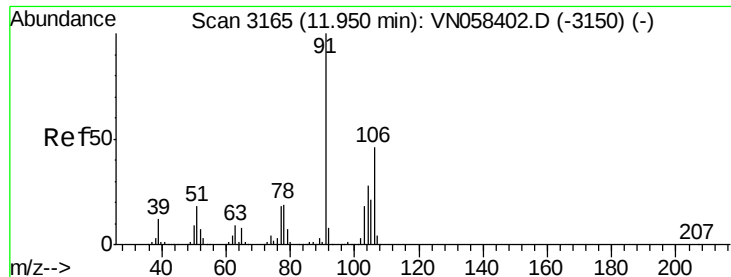
Tot Ion: 91 Resp: 1237508
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 105.167 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 106 Resp: 915573
Ion Ratio Lower Upper
106 100
91 210.1 165.0 247.4

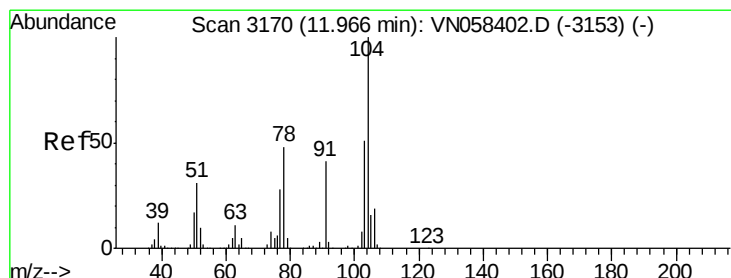
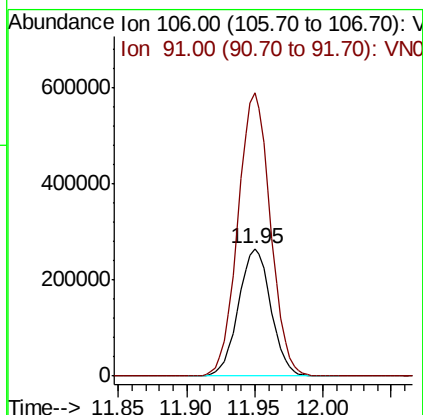
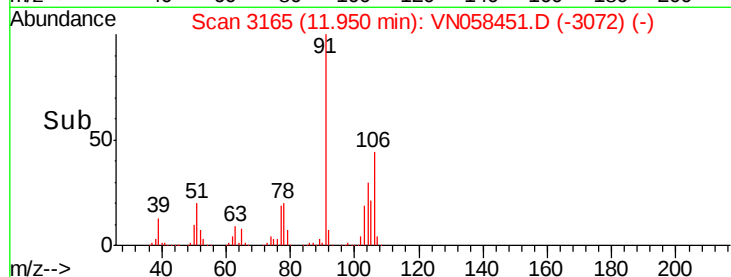
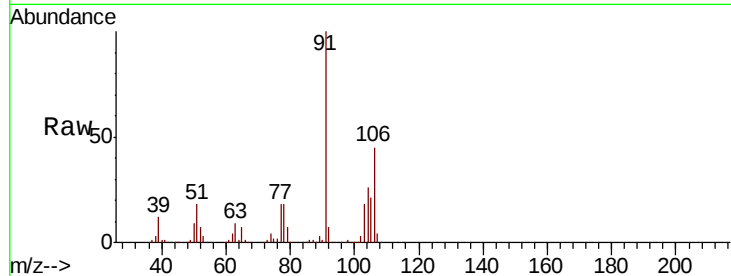




#69
o-Xylene
Concen: 52.176 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

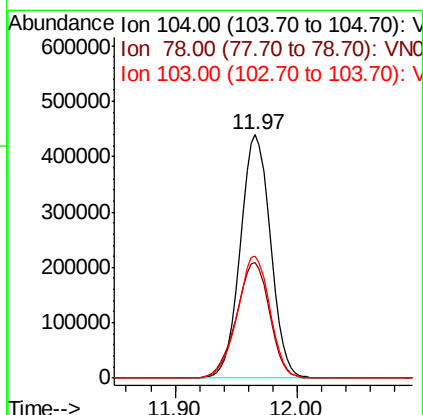
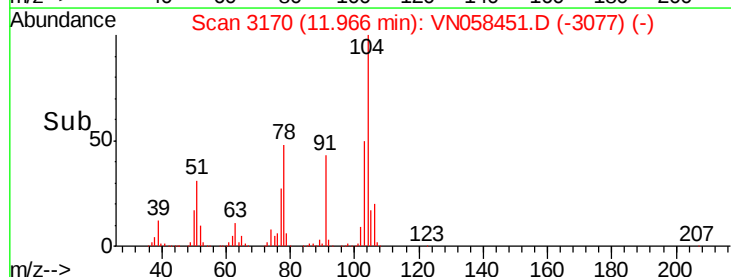
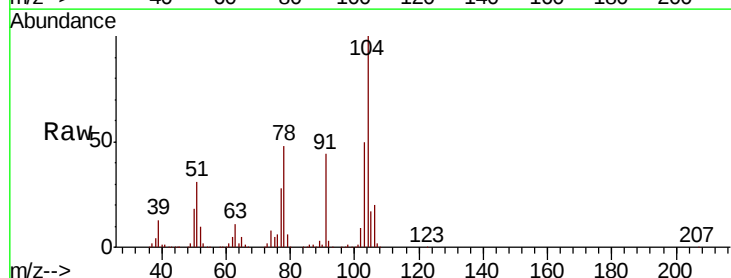
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

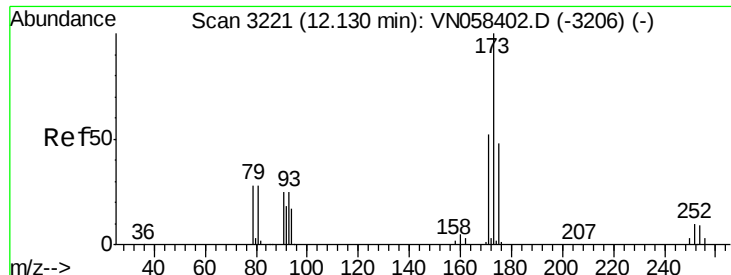
Tot Ion:106 Resp: 437268
Ion Ratio Lower Upper
106 100
91 222.5 109.1 327.4



#70
Styrene
Concen: 54.925 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion:104 Resp: 747793
Ion Ratio Lower Upper
104 100
78 52.8 42.8 64.2
103 54.4 43.7 65.5

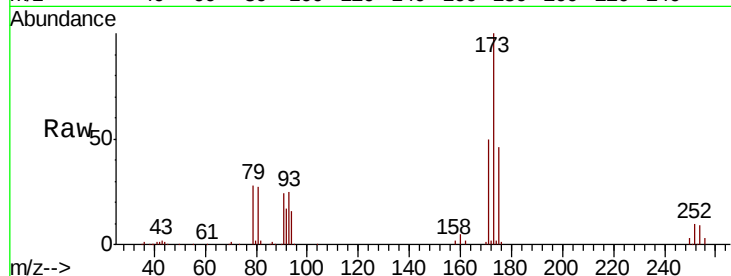




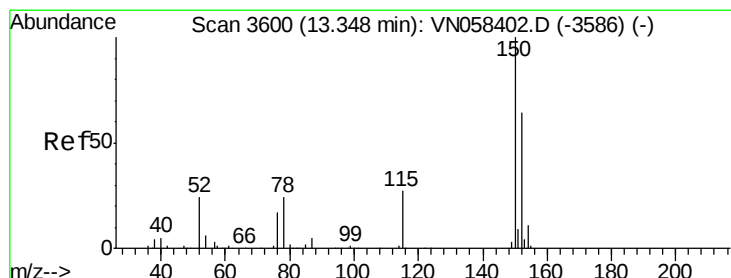
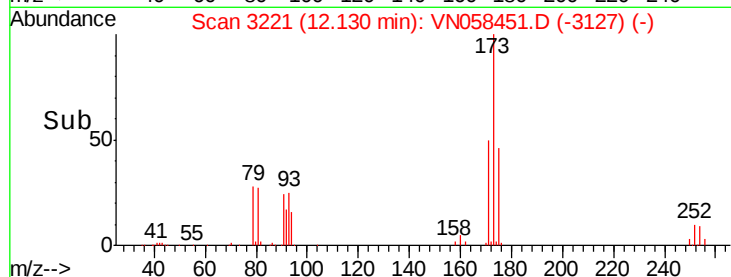
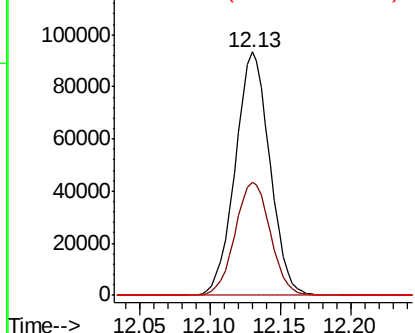
#71
Bromoform
Concen: 53.869 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 160394
Ion Ratio Lower Upper
173 100
175 47.4 24.3 73.0
254 0.0 0.1 0.1#

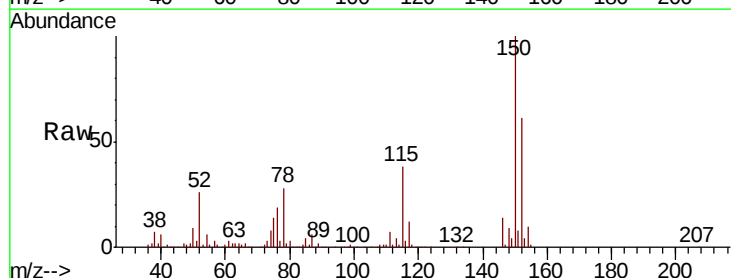


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

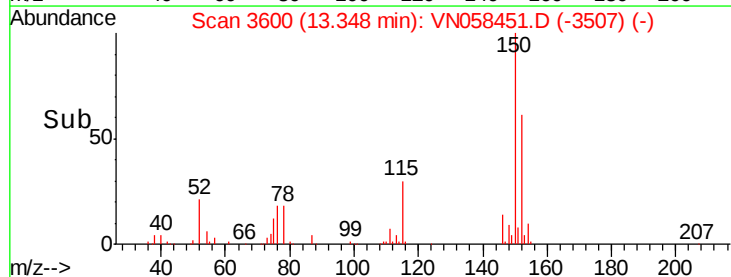
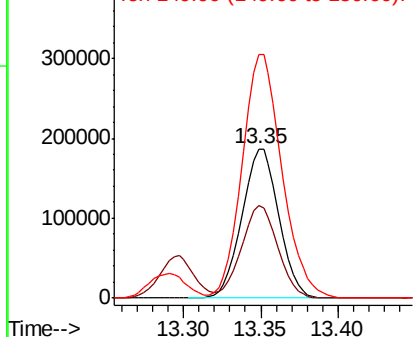


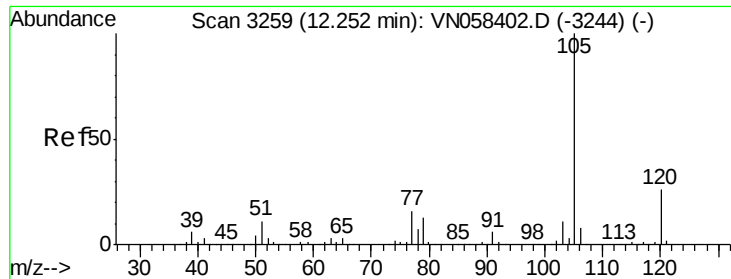
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion:152 Resp: 309785
Ion Ratio Lower Upper
152 100
115 61.4 30.0 90.0
150 175.7 0.0 348.2



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





#73

Isopropylbenzene

Concen: 53.202 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

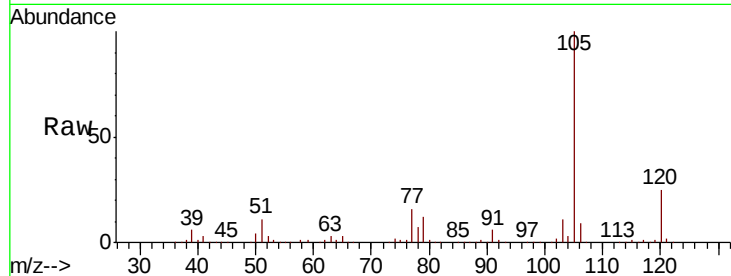
VSTDCCC050

Tot Ion:105 Resp: 1217991

Ion Ratio Lower Upper

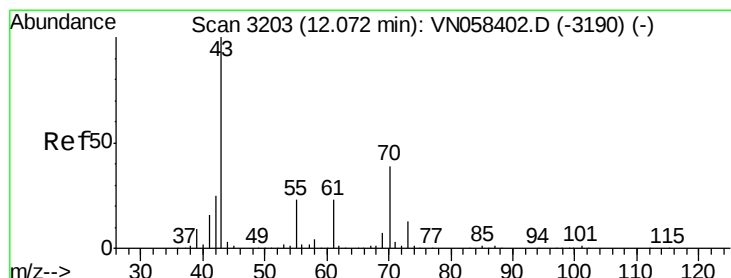
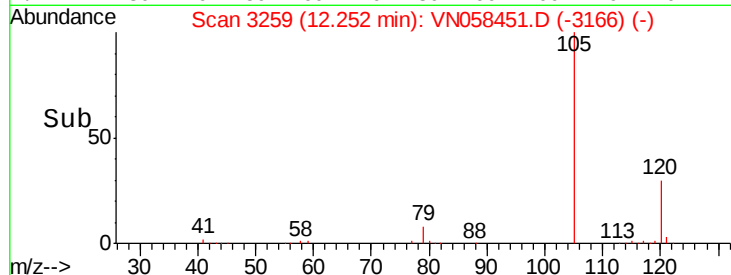
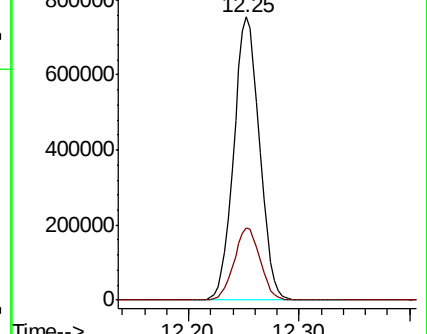
105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.946 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tgt Ion: 43 Resp: 491332

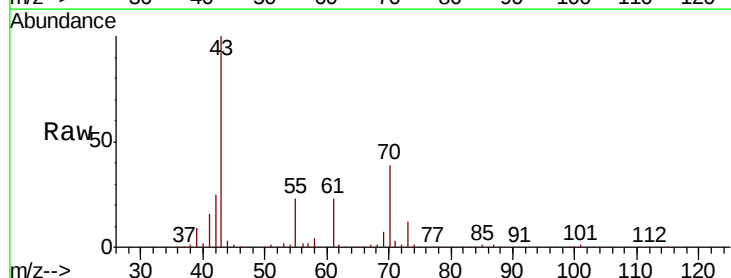
Ion Ratio Lower Upper

43 100

70 39.6 31.4 47.2

55 23.5 18.2 27.4

61 23.0 18.3 27.5

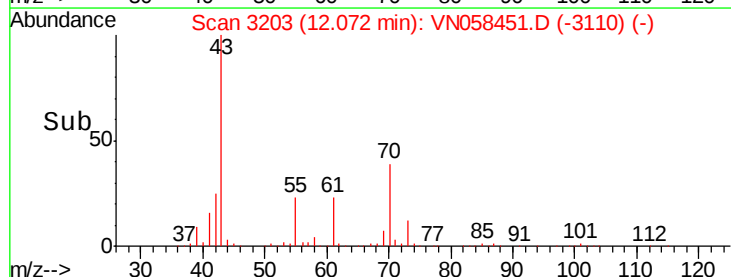
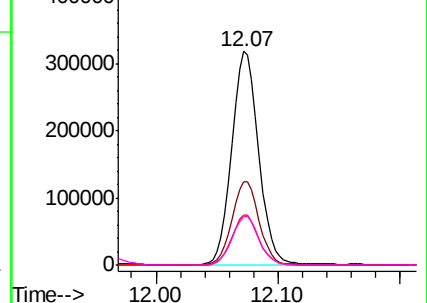


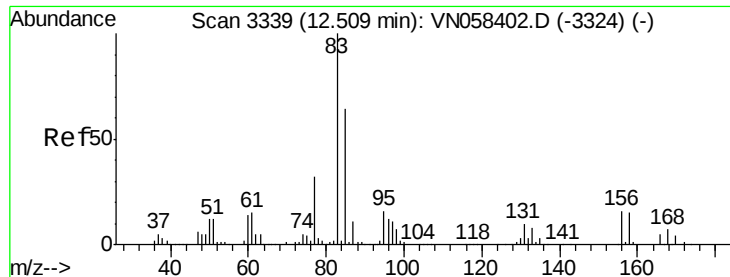
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.135 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

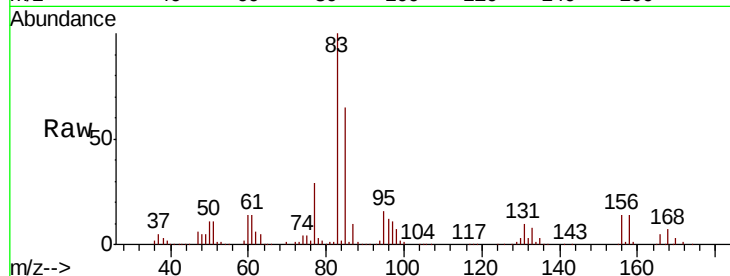
Tot Ion: 83 Resp: 352945

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

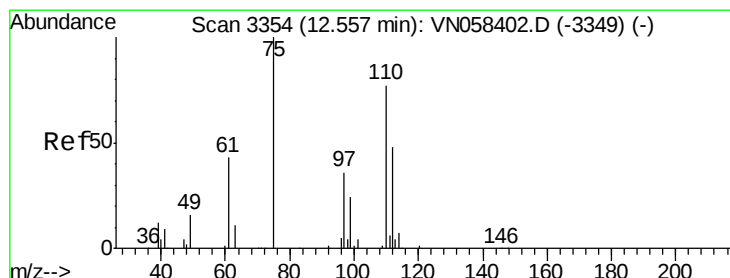
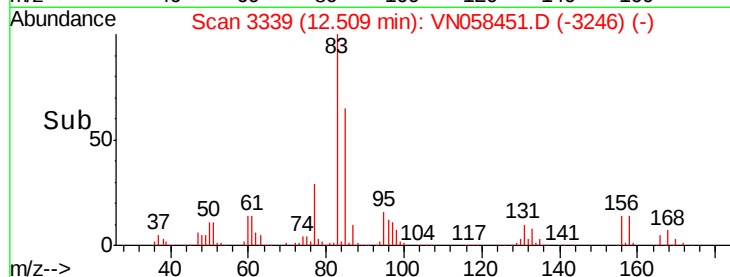
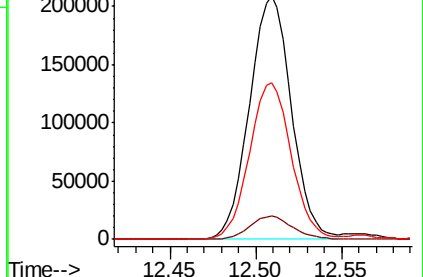
85 64.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN058402.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN058402.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN058402.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 79.586 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058451.D

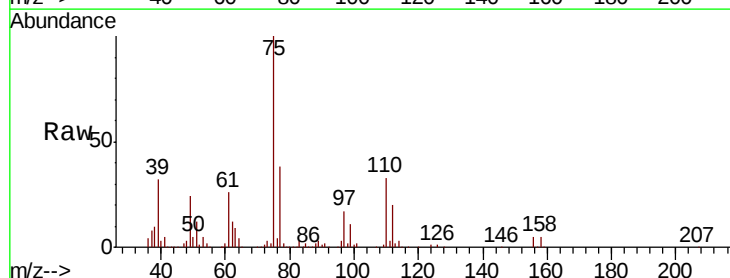
Acq: 1 Oct 2019 9:50

Tgt Ion: 75 Resp: 450317

Ion Ratio Lower Upper

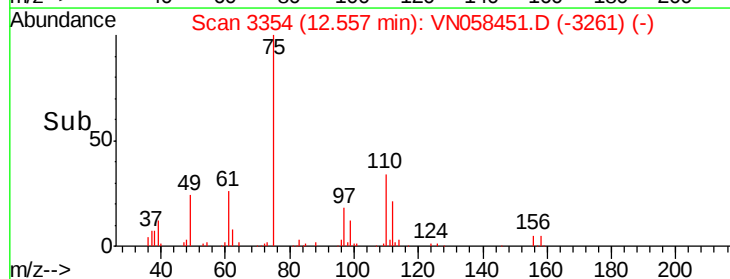
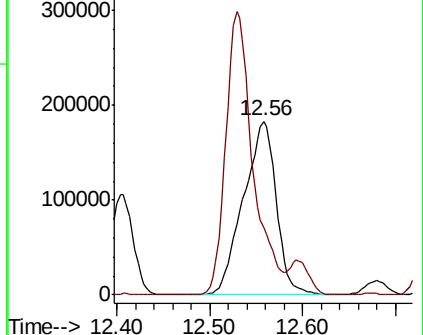
75 100

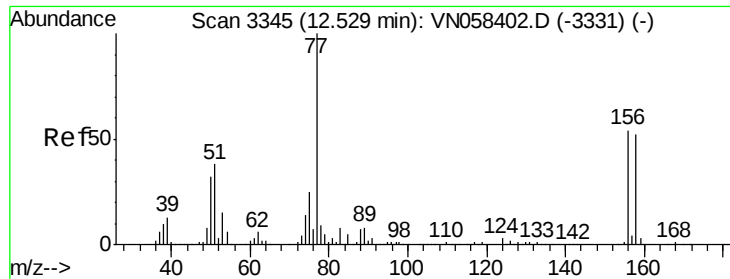
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058402.D (-3349) (-)





#77

Bromobenzene

Concen: 50.633 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

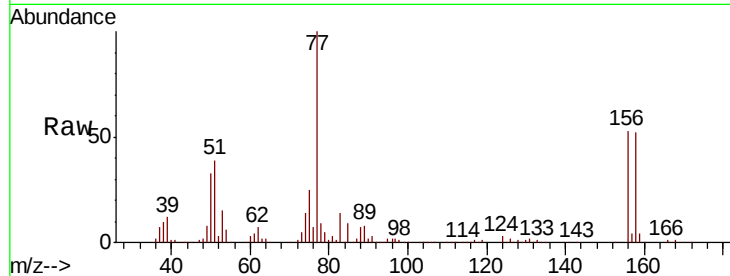
Tot Ion:156 Resp: 271803

Ion Ratio Lower Upper

156 100

77 224.2 110.0 330.0

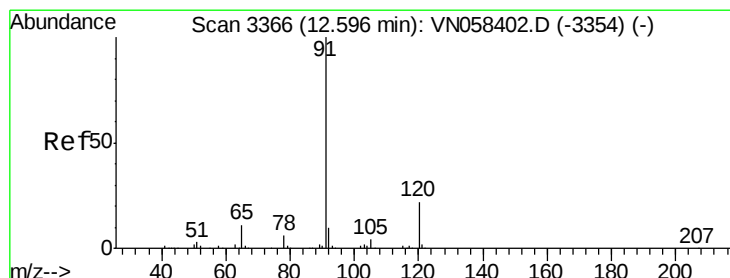
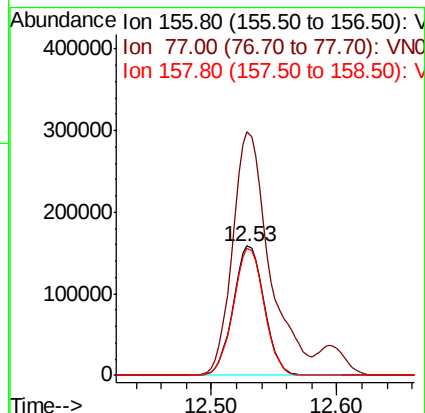
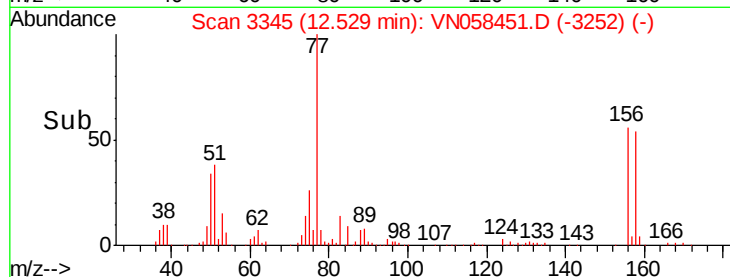
158 97.6 47.9 143.8



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: 55.818 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058451.D

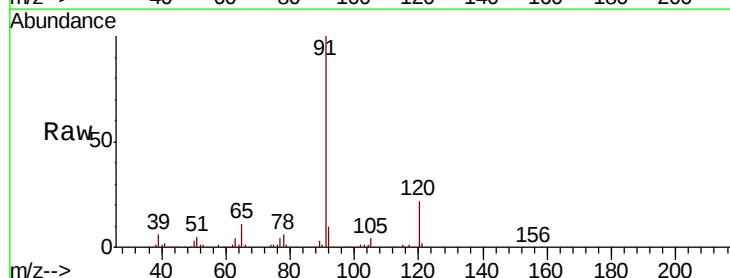
Acq: 1 Oct 2019 9:50

Tgt Ion: 91 Resp: 1439667

Ion Ratio Lower Upper

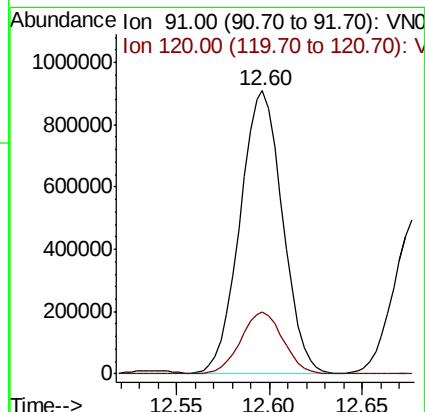
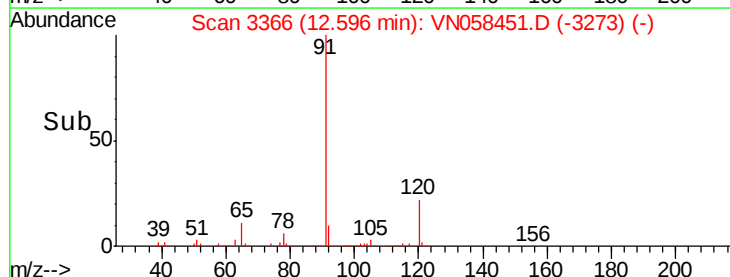
91 100

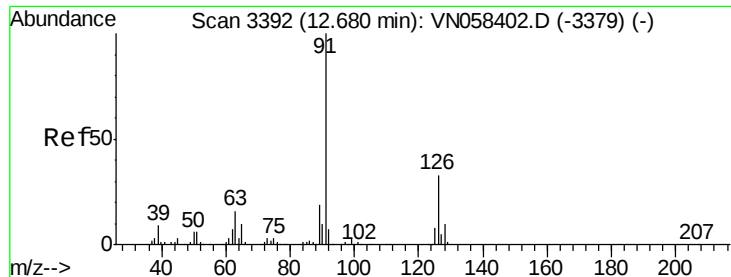
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

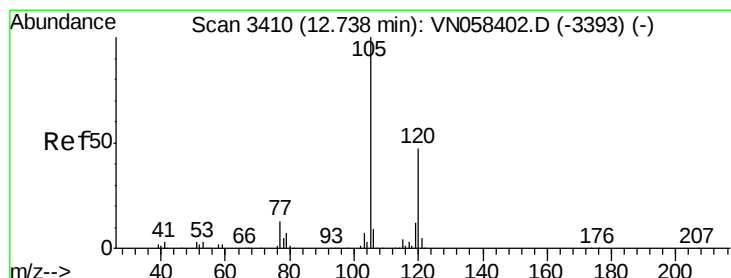
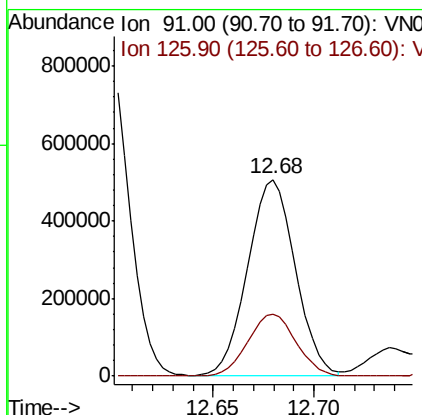
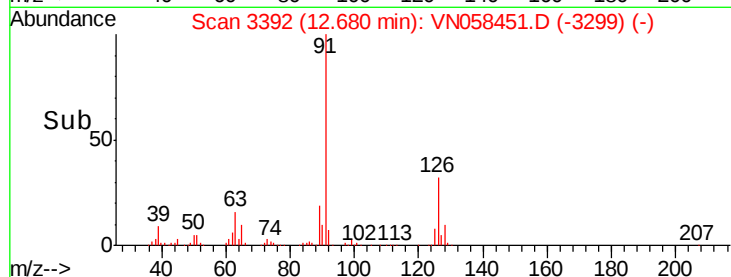
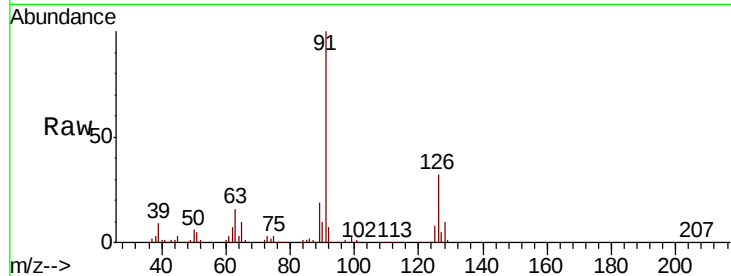




#79
 2-Chlorotoluene
 Concen: 52.283 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

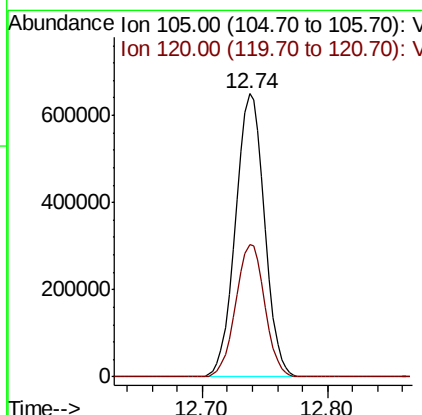
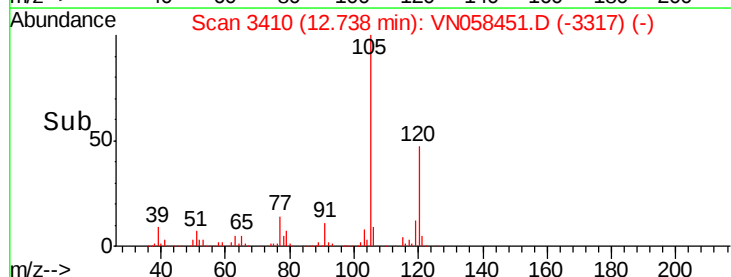
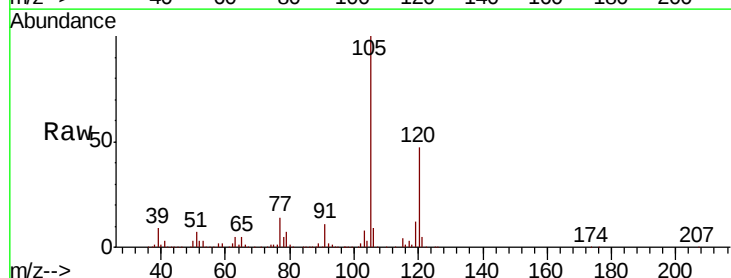
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

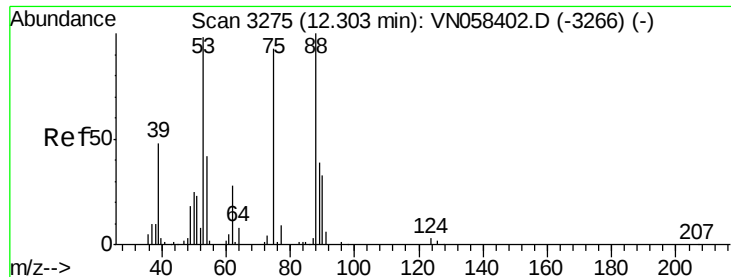
Tot Ion: 91 Resp: 832342
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 54.315 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 105 Resp: 1040921
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.5 70.6

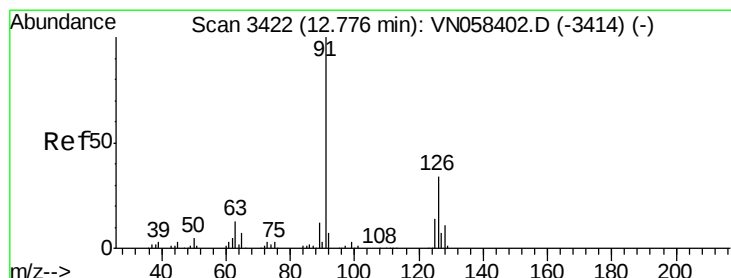
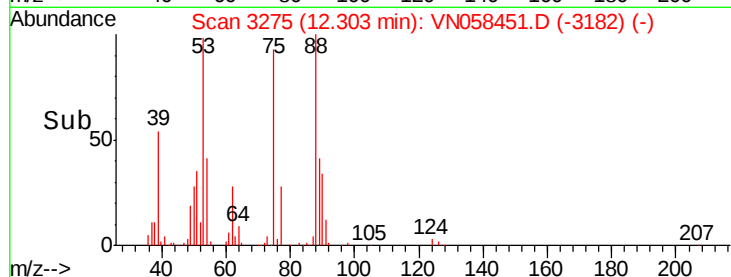
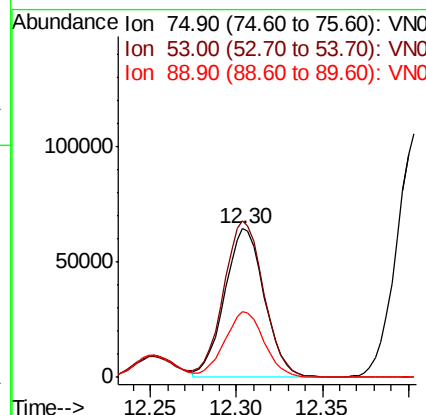
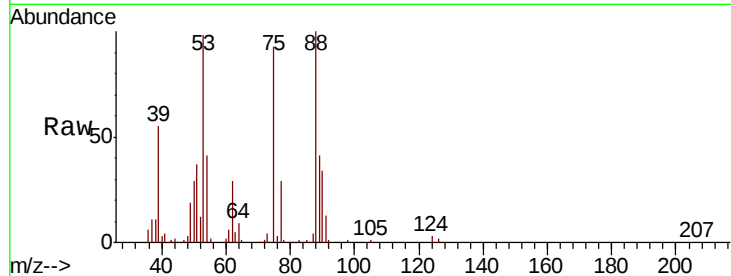




#81
trans-1,4-Dichloro-2-butene
Concen: 56.028 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

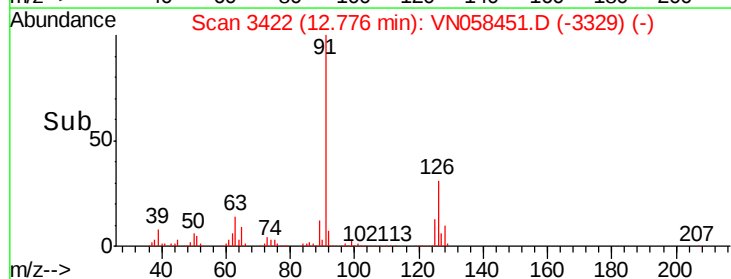
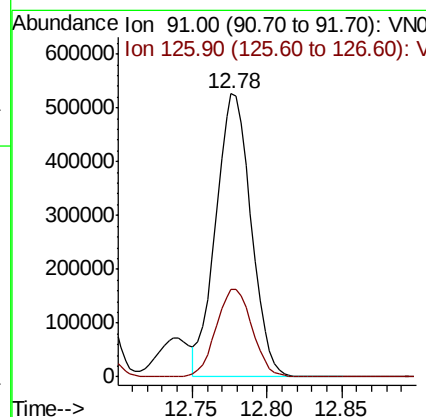
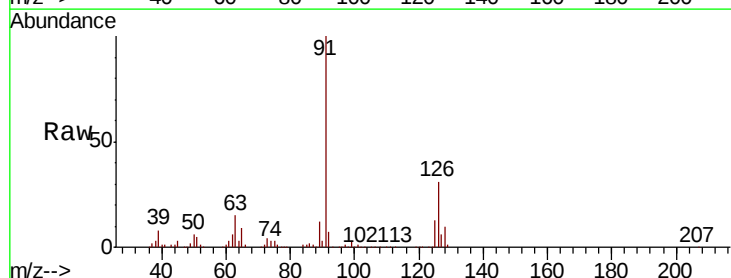
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

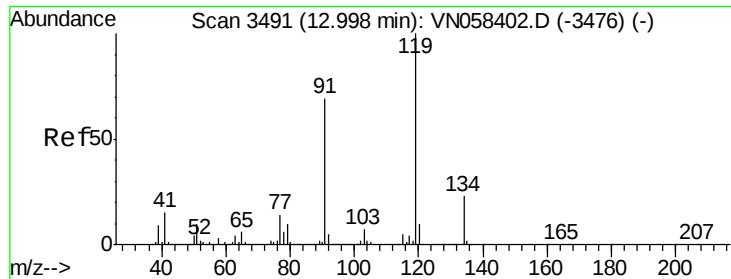
Tot Ion: 75 Resp: 104381
Ion Ratio Lower Upper
75 100
53 107.4 85.4 128.0
89 44.1 35.0 52.4



#82
4-Chlorotoluene
Concen: 53.061 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 91 Resp: 861964
Ion Ratio Lower Upper
91 100
126 31.6 15.9 47.7

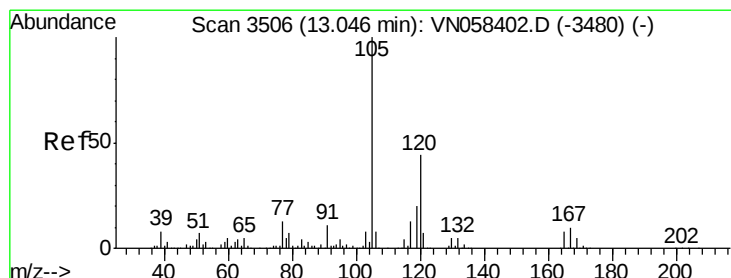
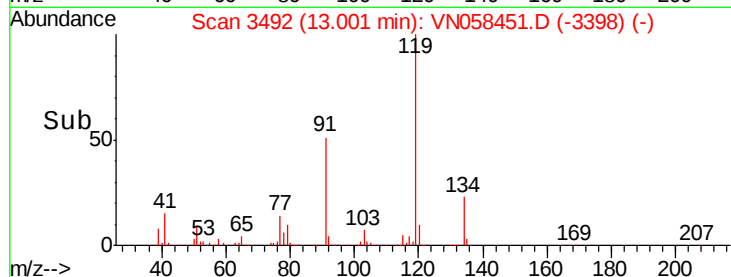
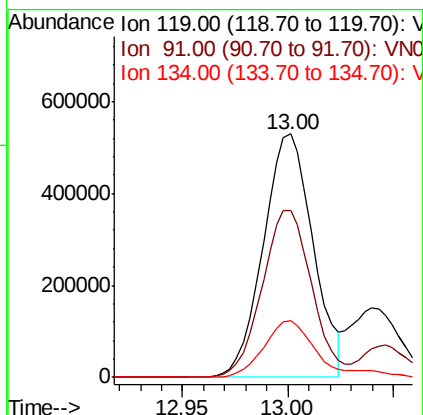
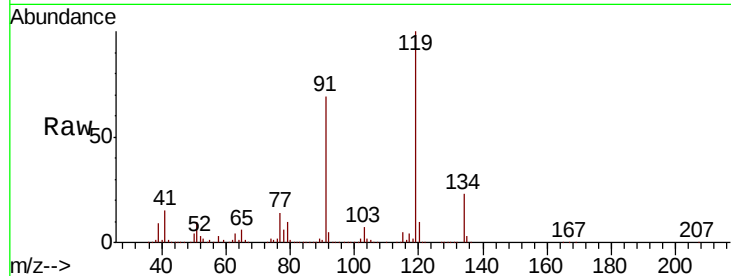




#83
tert-Butylbenzene
Concen: 53.719 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

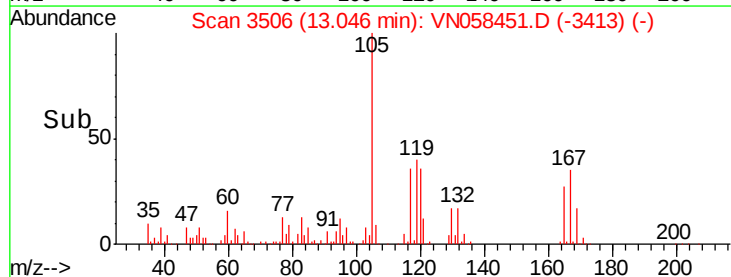
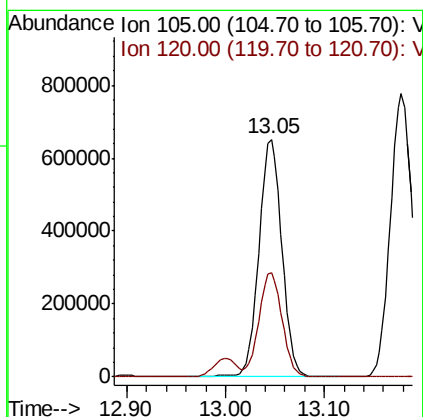
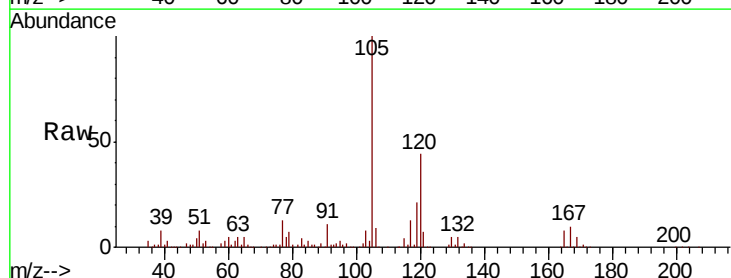
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

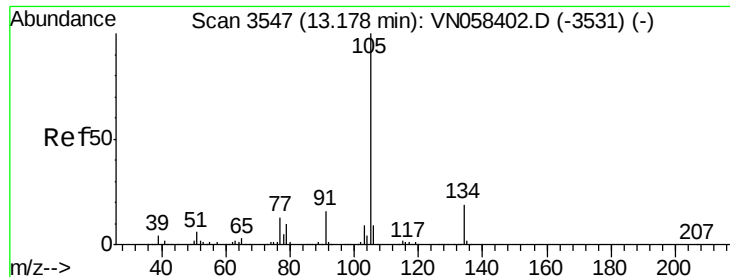
Tot Ion:119 Resp: 868712
Ion Ratio Lower Upper
119 100
91 68.2 34.2 102.6
134 25.3 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 54.099 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion:105 Resp: 1038762
Ion Ratio Lower Upper
105 100
120 44.5 21.7 65.1





#85

sec-Butylbenzene

Concen: 56.710 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

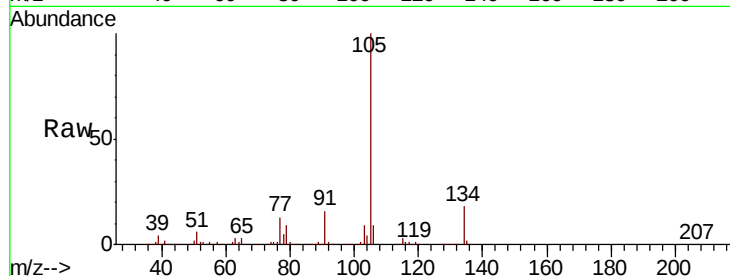
VSTDCCC050

Tot Ion:105 Resp: 1207047

Ion Ratio Lower Upper

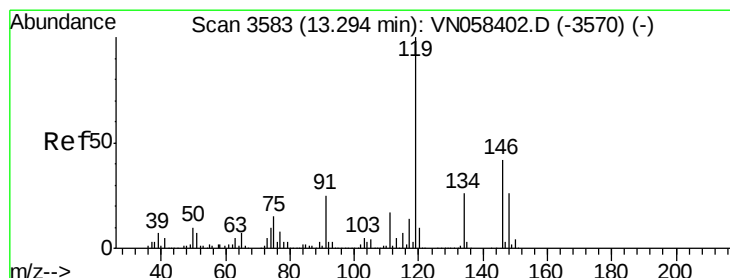
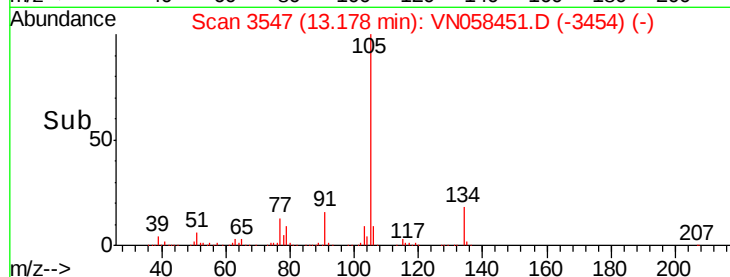
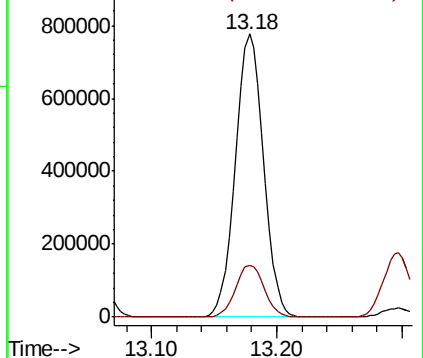
105 100

134 18.8 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.224 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

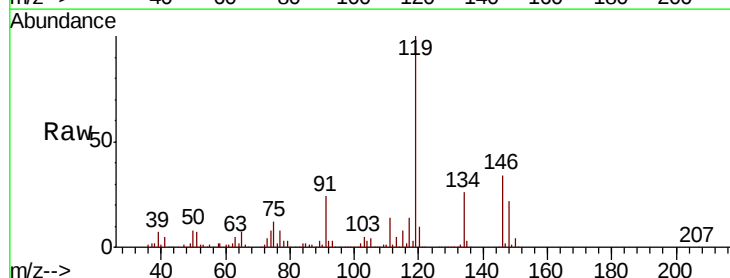
Tgt Ion:119 Resp: 1072138

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

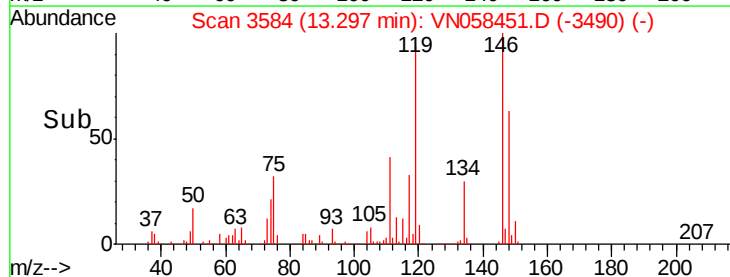
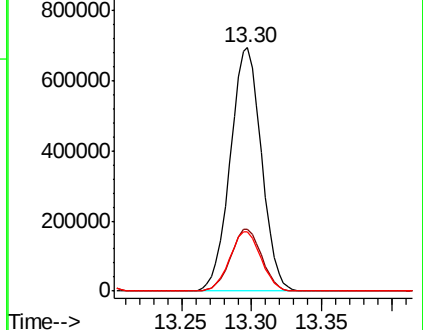
91 24.5 12.4 37.0

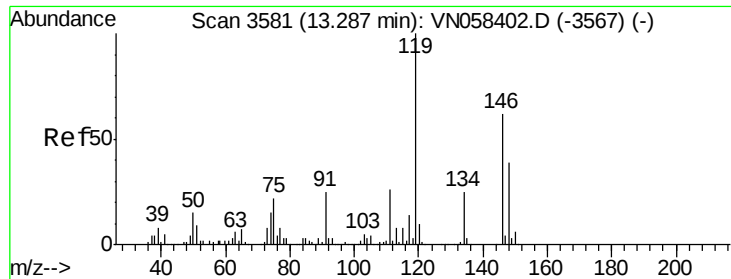


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

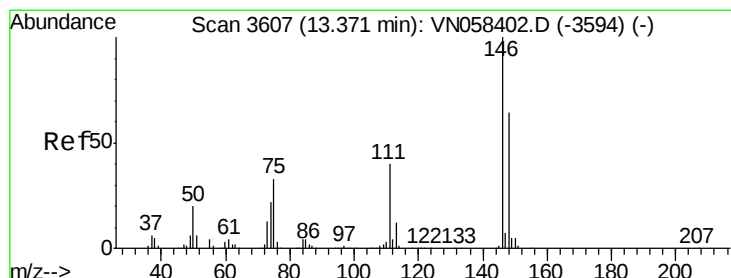
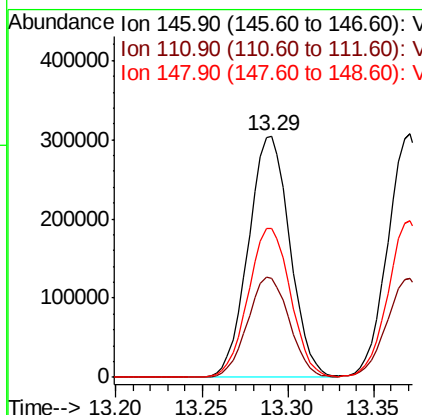
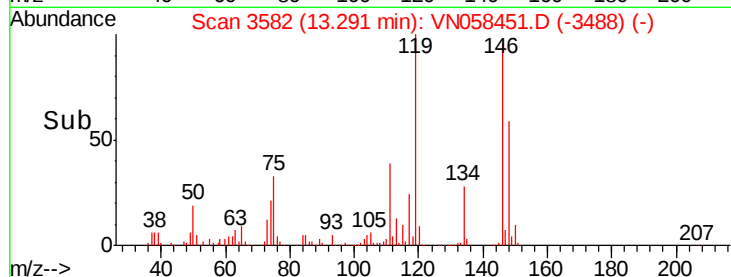
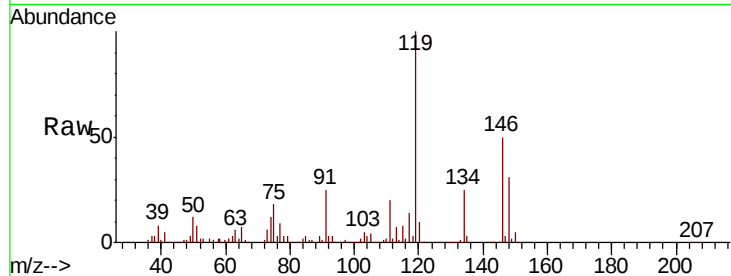




#87
 1,3-Dichlorobenzene
 Concen: 52.351 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

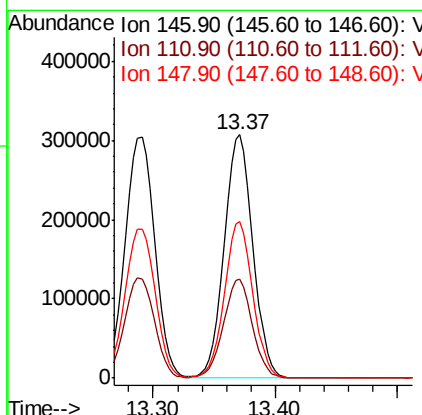
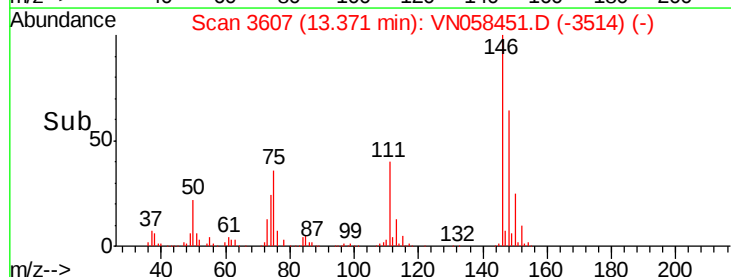
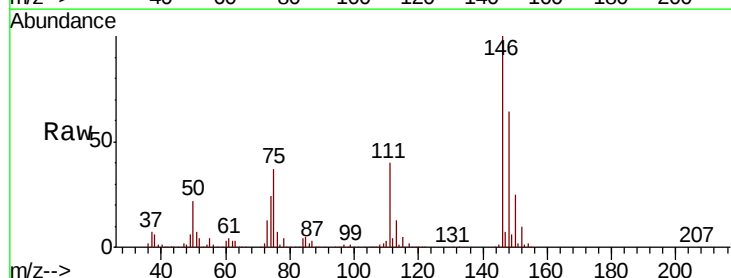
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

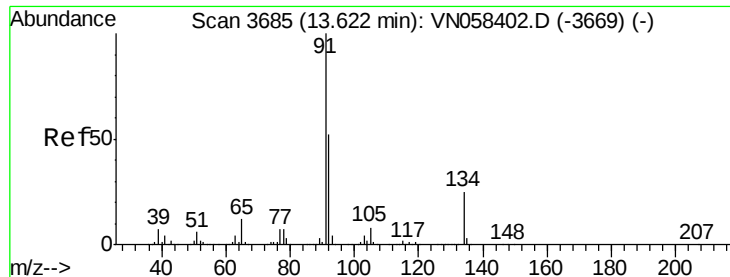
Tot Ion:146 Resp: 509571
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.4
 148 62.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 52.296 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion:146 Resp: 506457
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.6
 148 63.4 31.5 94.5





#89

n-Butylbenzene

Concen: 57.559 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

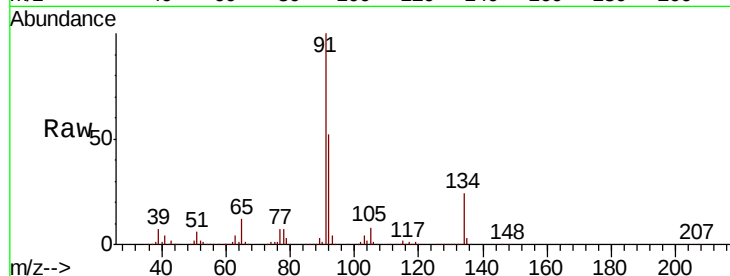
Tot Ion: 91 Resp: 976872

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.1

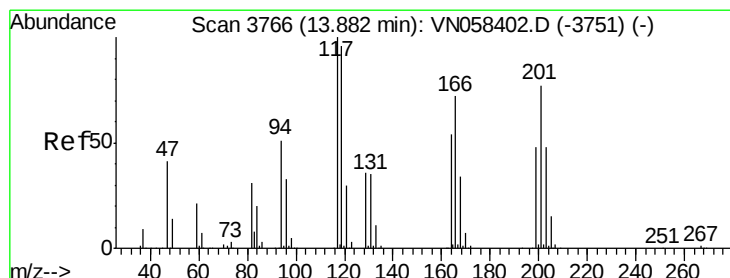
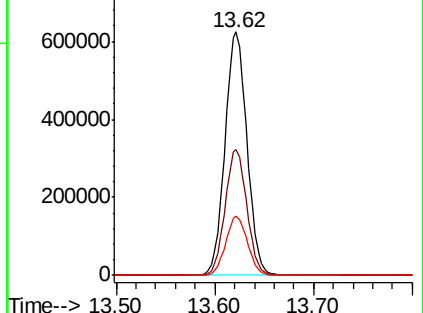
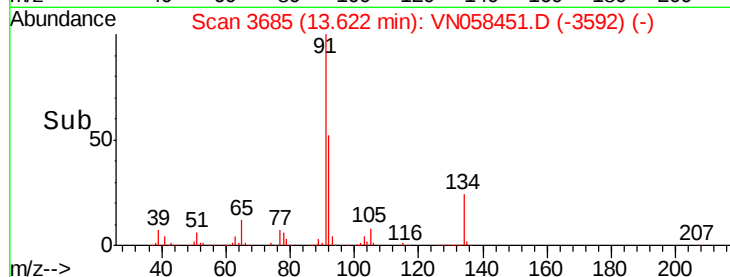
134 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058402.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058402.D (-3669) (-)



#90

Hexachloroethane

Concen: 61.044 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058451.D

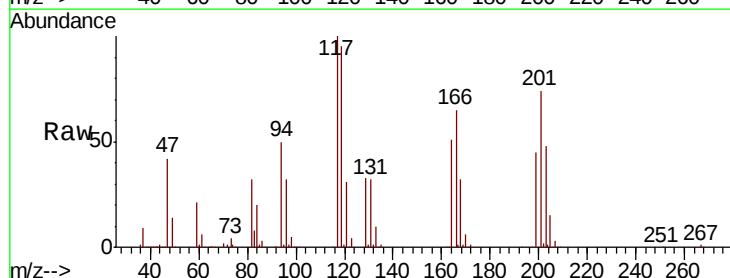
Acq: 1 Oct 2019 9:50

Tgt Ion: 117 Resp: 171839

Ion Ratio Lower Upper

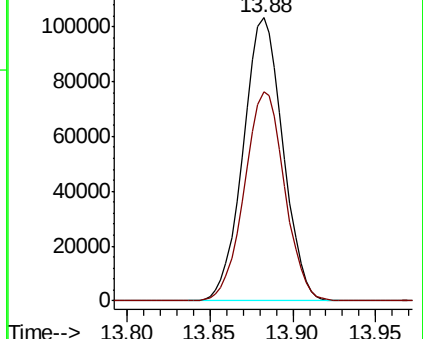
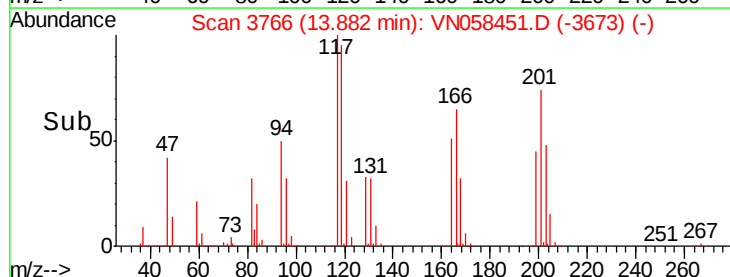
117 100

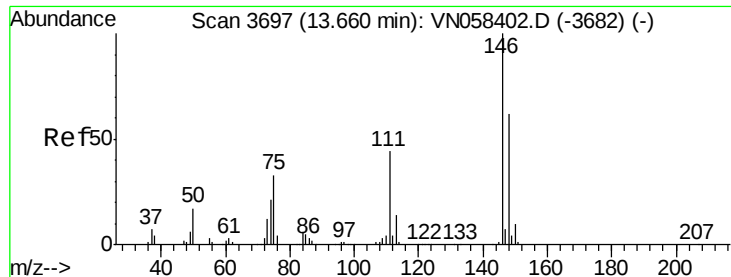
201 74.5 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058402.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 53.965 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

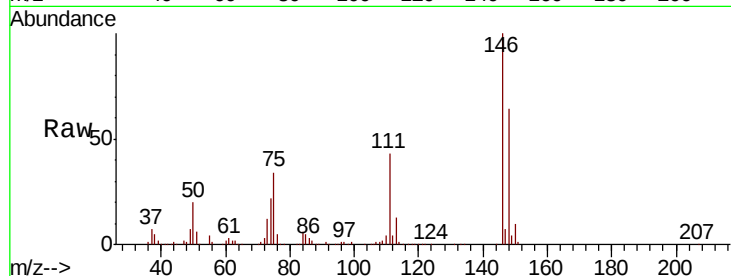
Tot Ion:146 Resp: 504710

Ion Ratio Lower Upper

146 100

111 43.0 21.8 65.3

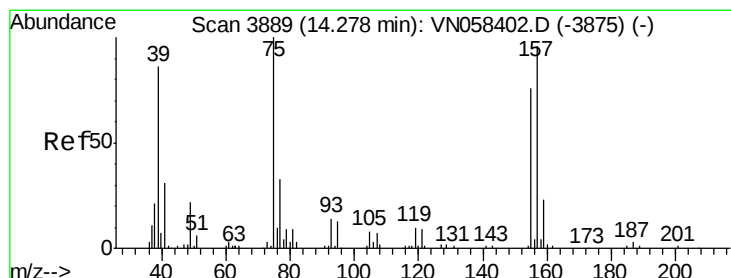
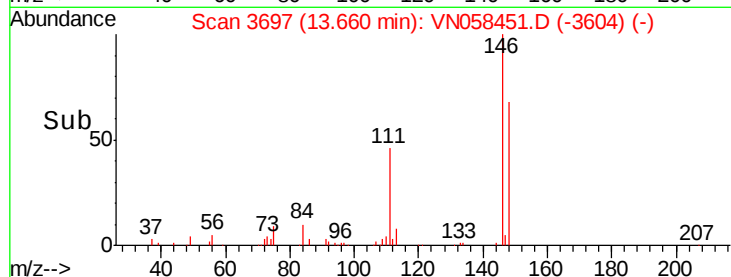
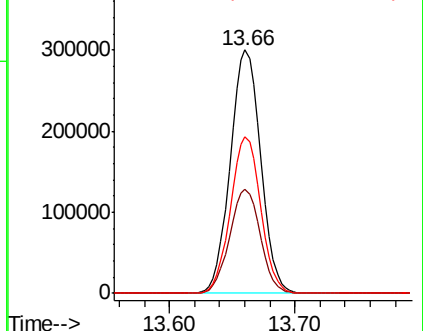
148 63.9 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.534 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

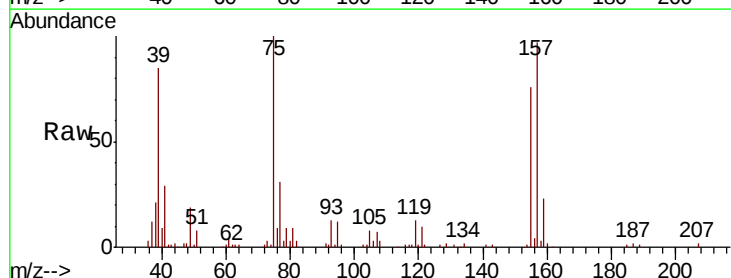
Tgt Ion: 75 Resp: 68685

Ion Ratio Lower Upper

75 100

155 74.6 39.2 117.6

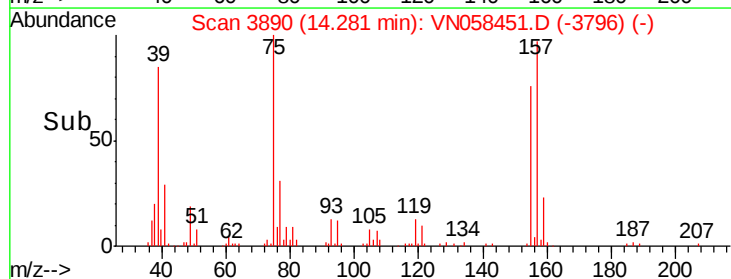
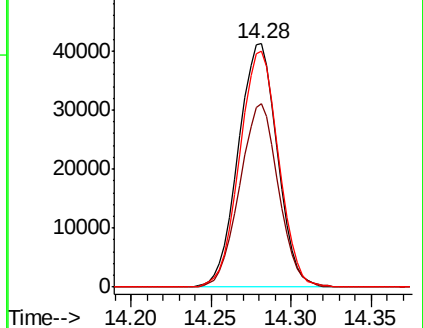
157 96.6 48.7 146.1

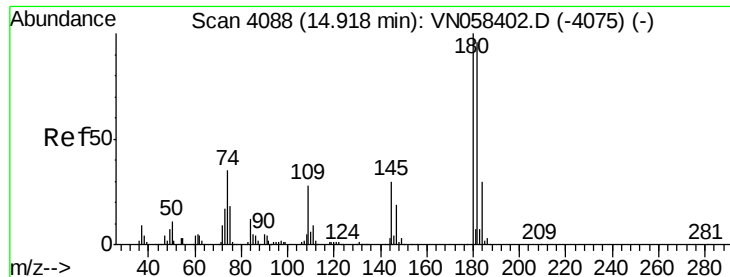


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

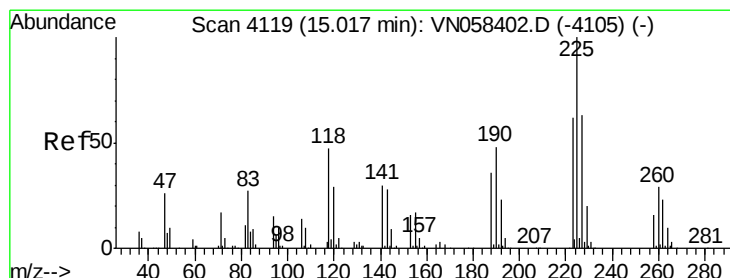
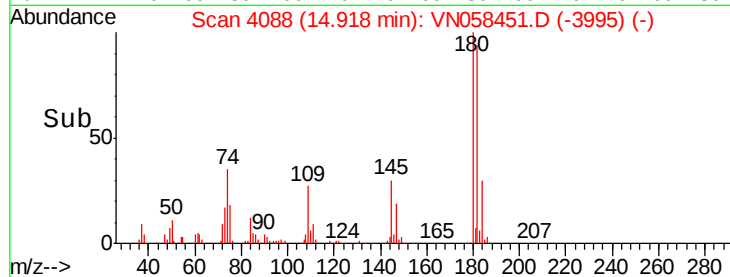
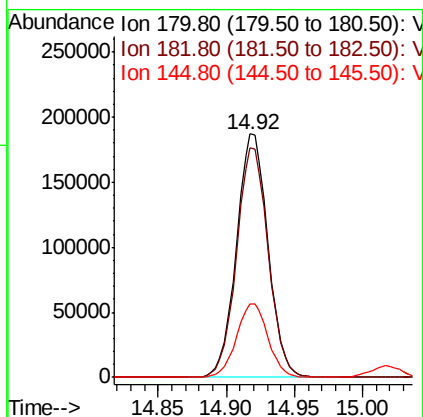
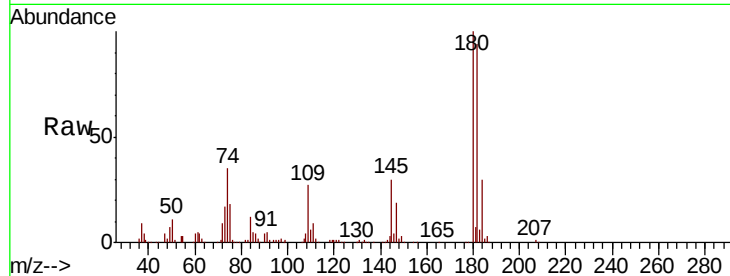




#93
 1,2,4-Trichlorobenzene
 Concen: 57.936 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

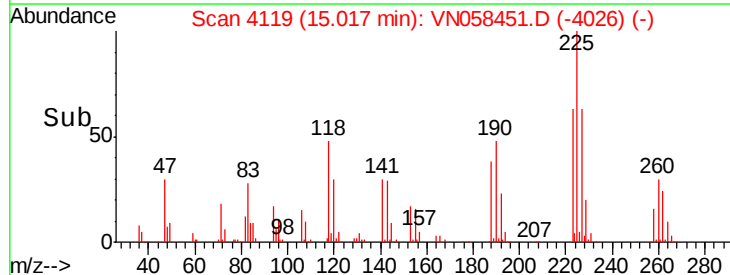
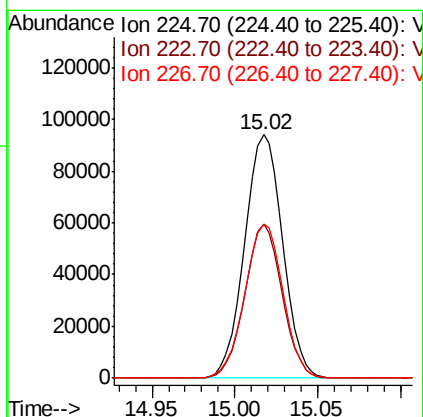
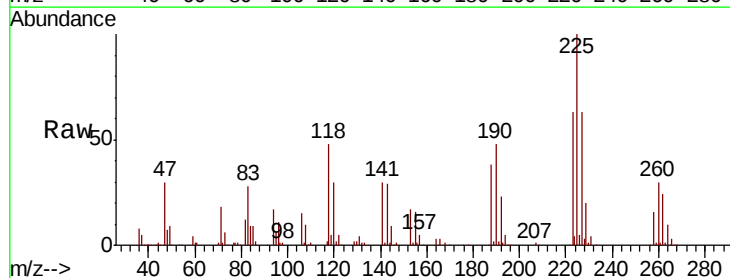
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

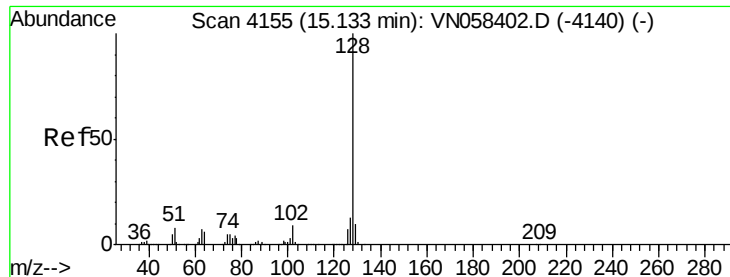
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.3
145	30.3	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 56.709 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.1	93.5
227	63.4	31.4	94.2

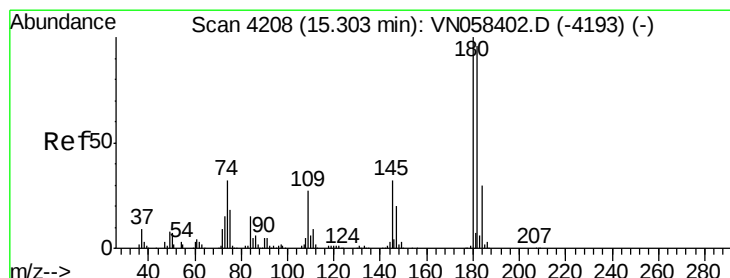
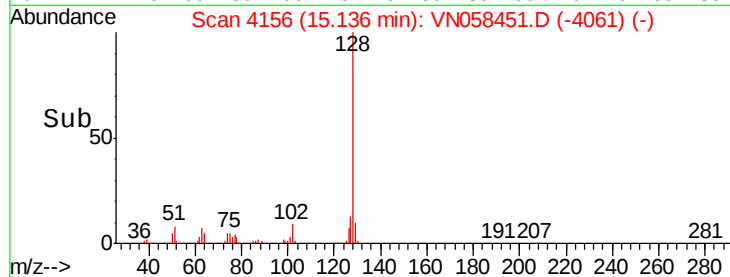
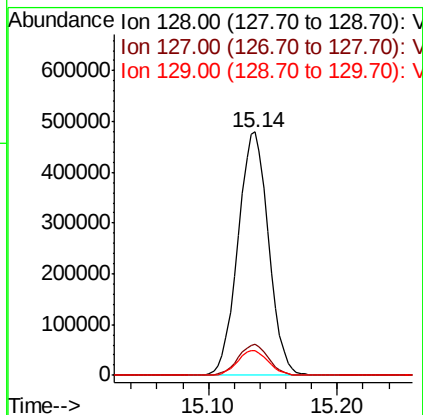
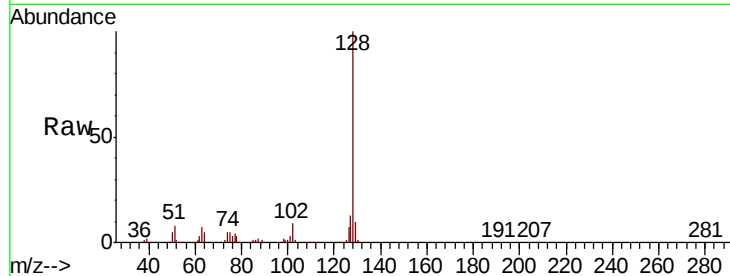




#95
Naphthalene
Concen: 52.187 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 789841
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.4 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 52.702 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion:180 Resp: 273065
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.9
145 32.4 16.1 48.3

