

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058946.D
 Acq On : 24 Oct 2019 9:27
 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 25 01:21:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	341662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	531353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259017	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	243459	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.57	113	176425	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.08	98	687383	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	260944	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	204650	48.042	ug/l	99
3) Chloromethane	2.04	50	237767	45.067	ug/l	98
4) Vinyl Chloride	2.17	62	240907	45.988	ug/l	99
5) Bromomethane	2.54	94	136049	41.474	ug/l	99
6) Chloroethane	2.68	64	157183	46.790	ug/l	99
7) Trichlorofluoromethane	2.99	101	322503	49.756	ug/l	99
8) Diethyl Ether	3.39	74	110029	49.123	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174263	48.497	ug/l	99
10) Methyl Iodide	3.92	142	183529	38.834	ug/l	99
11) Tert butyl alcohol	4.75	59	206334	248.130	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	164282	48.775	ug/l	98
13) Acrolein	3.58	56	87686	153.467	ug/l	98
14) Allyl chloride	4.29	41	336691	49.401	ug/l	99
15) Acrylonitrile	4.95	53	542818	259.510	ug/l	99
16) Acetone	3.79	43	731220	295.306	ug/l	100
17) Carbon Disulfide	4.02	76	494009	45.532	ug/l	99
18) Methyl Acetate	4.29	43	279890	49.718	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	603098	51.137	ug/l	99
20) Methylene Chloride	4.52	84	199596	47.207	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	183862	49.430	ug/l	99
22) Diisopropyl ether	5.92	45	699769	52.492	ug/l	97
23) Vinyl Acetate	5.87	43	2947570	275.204	ug/l	100
24) 1,1-Dichloroethane	5.82	63	379155	49.050	ug/l	99
25) 2-Butanone	6.81	43	878592	273.339	ug/l	100
26) 2,2-Dichloropropane	6.80	77	331366	49.560	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	212004	49.893	ug/l	100
28) Bromochloromethane	7.17	49	127638	49.580	ug/l	99
29) Tetrahydrofuran	7.18	42	514544	261.682	ug/l	100
30) Chloroform	7.35	83	378155	48.770	ug/l	99
31) Cyclohexane	7.63	56	331099	45.978	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	324797	49.696	ug/l	100
36) 1,1-Dichloropropene	7.77	75	284040	52.214	ug/l	100
37) Ethyl Acetate	6.90	43	321908	54.308	ug/l	100
38) Carbon Tetrachloride	7.75	117	281636	50.254	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	310407	50.818	ug/l	98
40) Benzene	8.02	78	831174	52.032	ug/l	99
41) Methacrylonitrile	7.18	41	467322	177.018	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	316727	51.471	ug/l	100
43) Isopropyl Acetate	8.14	43	502509	52.861	ug/l	100
44) Trichloroethene	8.82	130	200837	51.612	ug/l	98
45) 1,2-Dichloropropane	9.10	63	227890	52.025	ug/l	96
46) Dibromomethane	9.19	93	144823	52.298	ug/l	100
47) Bromodichloromethane	9.39	83	304128	53.286	ug/l	100
48) Methyl methacrylate	9.18	41	238305	55.252	ug/l	99
49) 1,4-Dioxane	9.19	88	83985	1186.196	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1622425	292.192	ug/l	100
52) Toluene	10.15	92	512308	54.081	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	340185	53.842	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	362519	53.704	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	202755	51.956	ug/l	98
56) Ethyl methacrylate	10.42	69	319149	48.741	ug/l	99
57) 1,3-Dichloropropane	10.70	76	360832	52.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	698313	252.220	ug/l	100
59) 2-Hexanone	10.75	43	1292239	301.174	ug/l	99
60) Dibromochloromethane	10.90	129	227529	54.168	ug/l	98
61) 1,2-Dibromoethane	11.00	107	212389	53.181	ug/l	99
64) Tetrachloroethene	10.63	164	178143	50.324	ug/l	97
65) Chlorobenzene	11.43	112	541668	52.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	205846	53.009	ug/l	99
67) Ethyl Benzene	11.51	91	996048	55.176	ug/l	98
68) m/p-Xylenes	11.62	106	747348	111.635	ug/l	99
69) o-Xylene	11.95	106	346925	54.336	ug/l	100
70) Styrene	11.96	104	600596	50.928	ug/l	99
71) Bromoform	12.13	173	159953	53.119	ug/l #	99
73) Isopropylbenzene	12.25	105	967857	51.130	ug/l	99
74) N-amyl acetate	12.07	43	453776	52.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	322994	48.527	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	441503	73.547	ug/l #	100
77) Bromobenzene	12.53	156	231682	49.656	ug/l	99
78) n-propylbenzene	12.59	91	1179230	52.703	ug/l	100
79) 2-Chlorotoluene	12.68	91	689358	50.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	845391	53.156	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113536	49.270	ug/l	98
82) 4-Chlorotoluene	12.78	91	721912	51.584	ug/l	100
83) tert-Butylbenzene	13.00	119	698574	51.365	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	864988	55.141	ug/l	100
85) sec-Butylbenzene	13.17	105	972866	53.654	ug/l	100
86) p-Isopropyltoluene	13.29	119	892782	55.802	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	435183	52.163	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	428500	51.301	ug/l	99
89) n-Butylbenzene	13.62	91	802809	54.624	ug/l	100
90) Hexachloroethane	13.88	117	162977	50.271	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	429070	52.327	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72300	48.026	ug/l	97

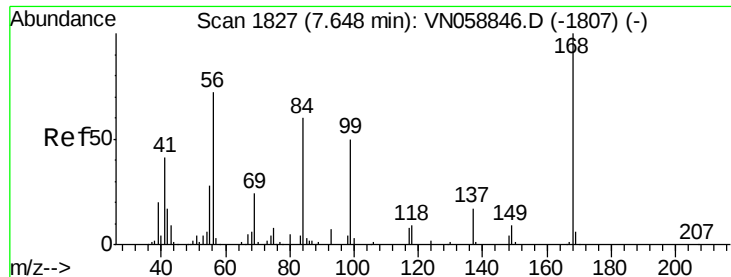
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	248337	48.205	ug/l	100
94) Hexachlorobutadiene	15.01	225	129809	48.843	ug/l	98
95) Naphthalene	15.13	128	690817	46.716	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	241684	48.185	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

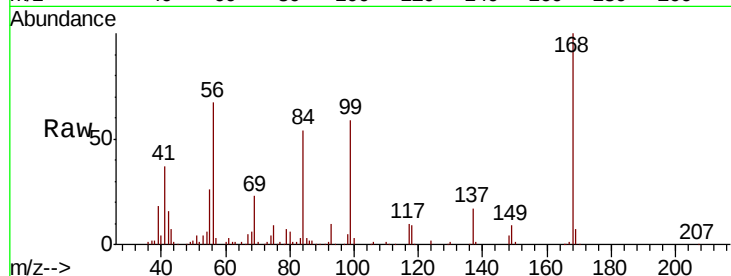
VSTDCCC050

Tot Ion:168 Resp: 341662

Ion Ratio Lower Upper

168 100

99 59.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

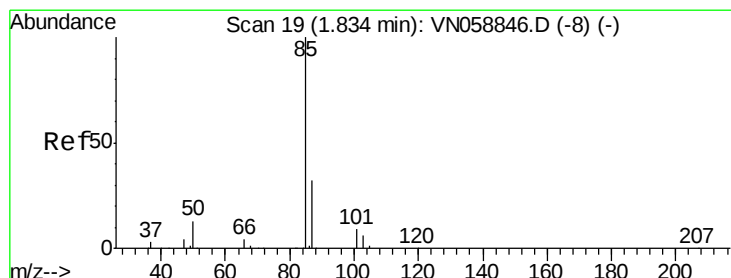
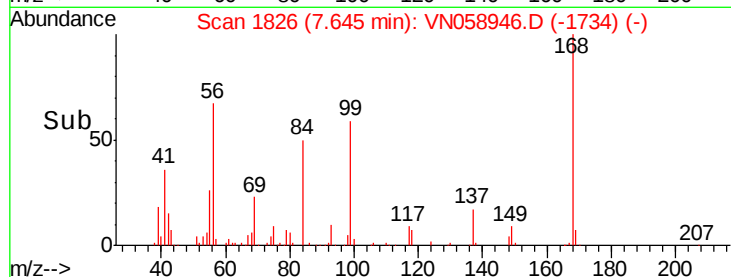
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.042 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058946.D

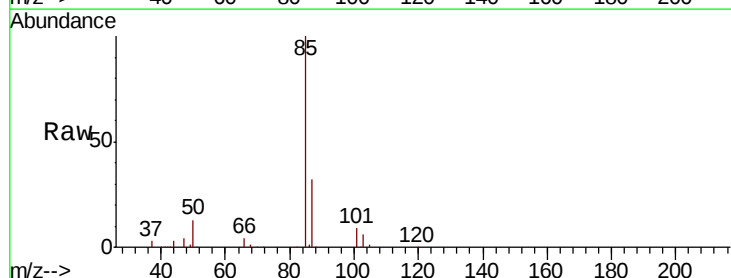
Acq: 24 Oct 2019 9:27

Tgt Ion: 85 Resp: 204650

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

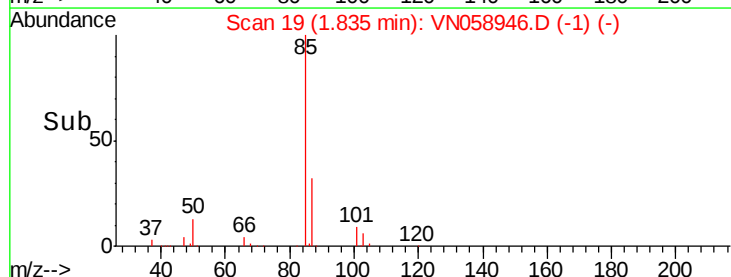
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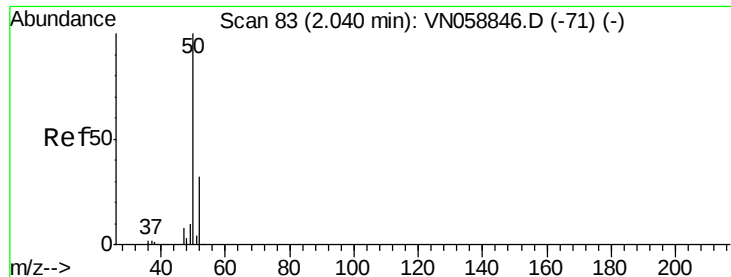
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.067 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

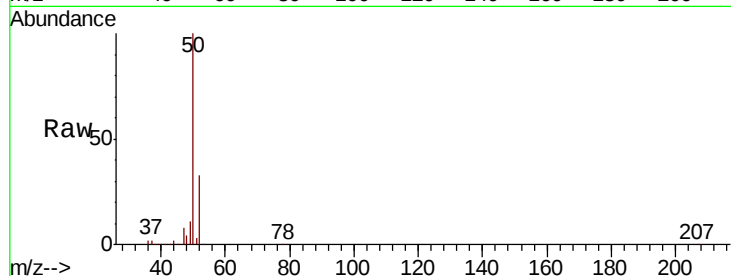
VSTDCCC050

Tot Ion: 50 Resp: 237767

Ion Ratio Lower Upper

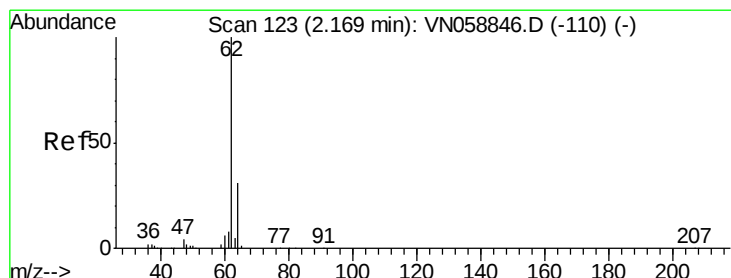
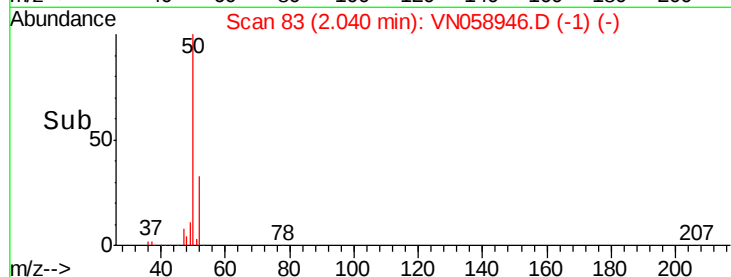
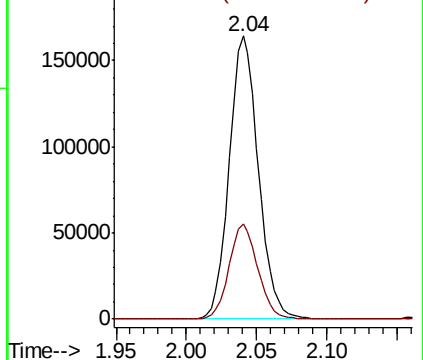
50 100

52 33.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.988 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058946.D

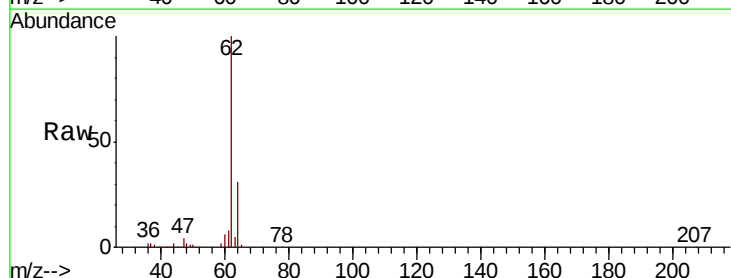
Acq: 24 Oct 2019 9:27

Tgt Ion: 62 Resp: 240907

Ion Ratio Lower Upper

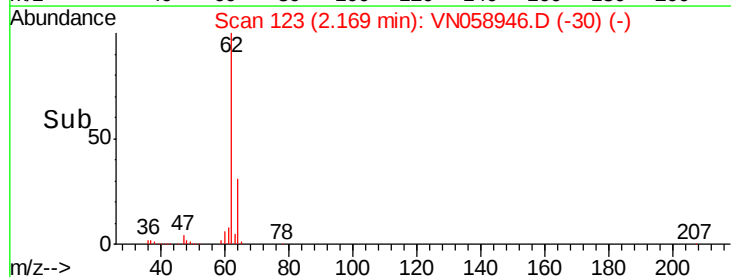
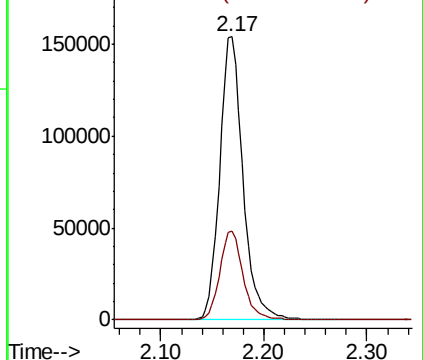
62 100

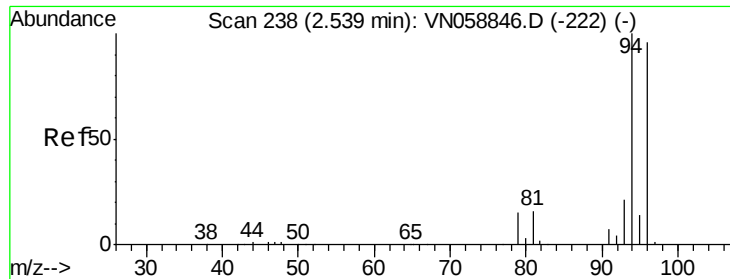
64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

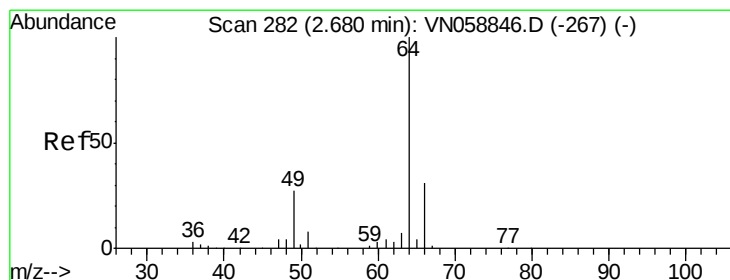
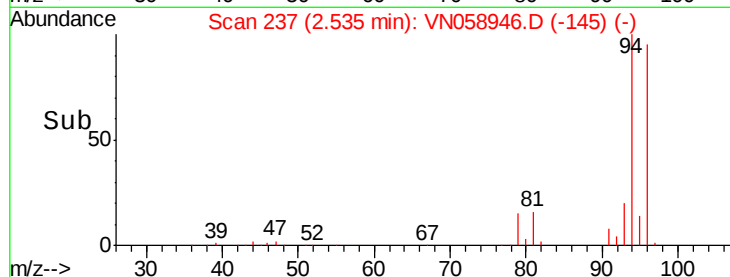
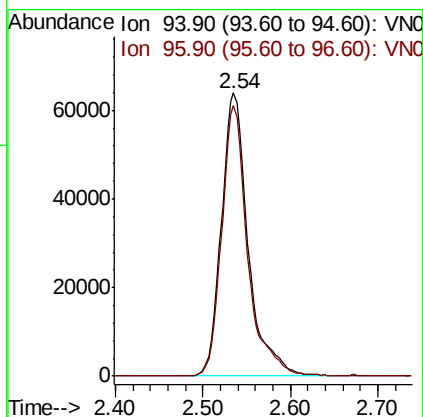
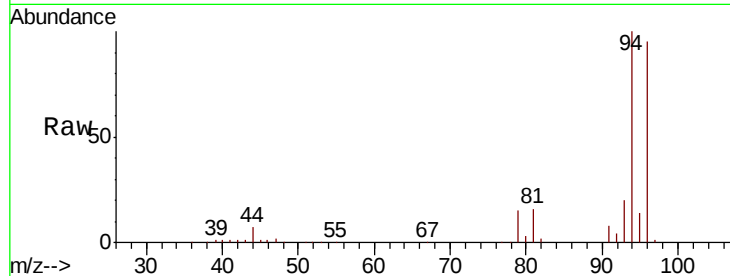




#5
Bromomethane
Concen: 41.474 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

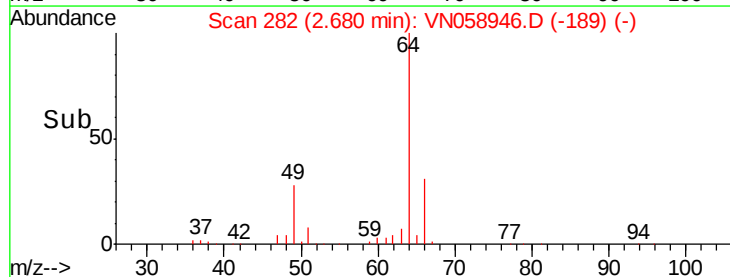
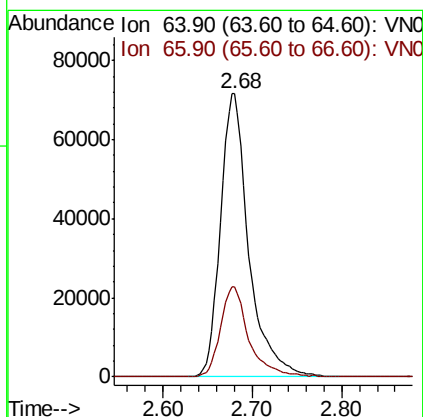
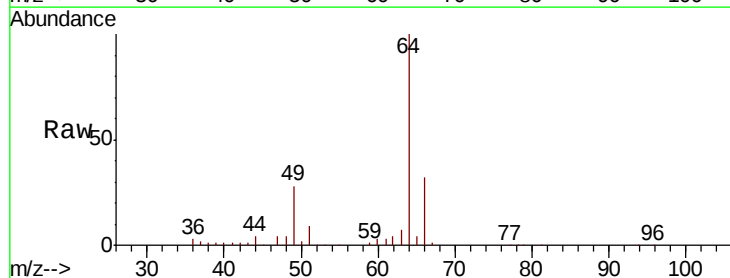
Instrument :
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Tot Ion: 94 Resp: 136049
Ion Ratio Lower Upper
94 100
96 95.4 77.0 115.6



#6
Chloroethane
Concen: 46.790 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 64 Resp: 157183
Ion Ratio Lower Upper
64 100
66 31.7 25.0 37.4



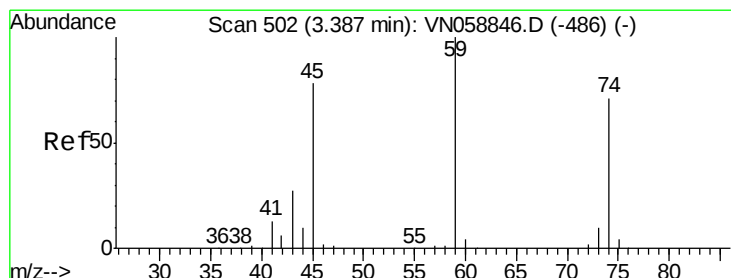
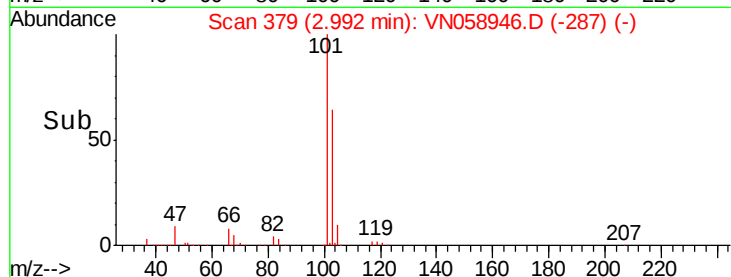
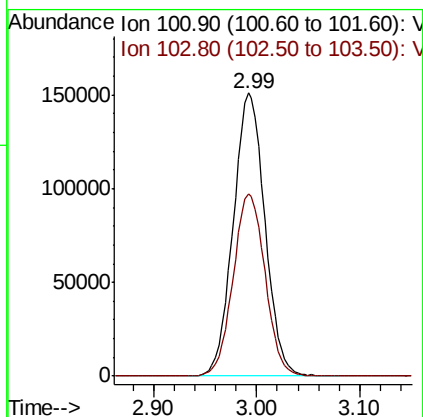
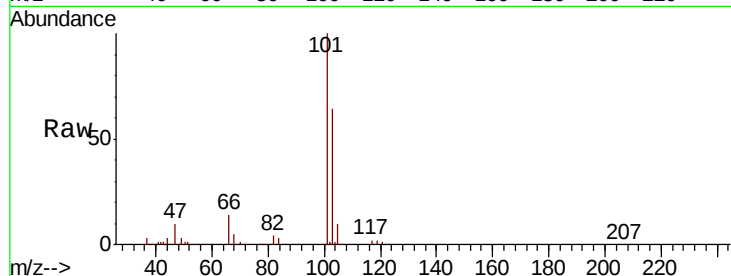


#7

Trichlorofluoromethane
 Concen: 49.756 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

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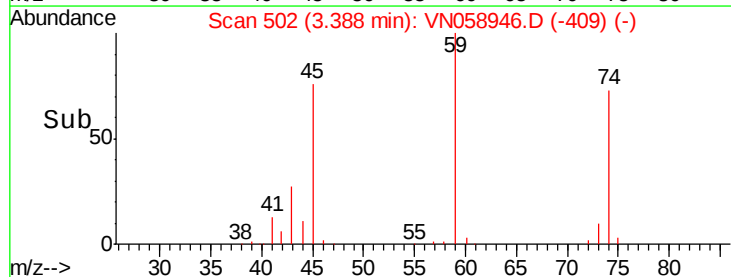
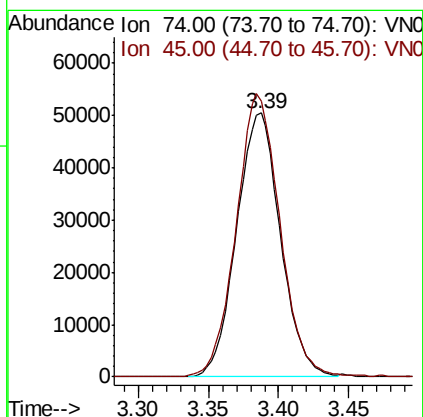
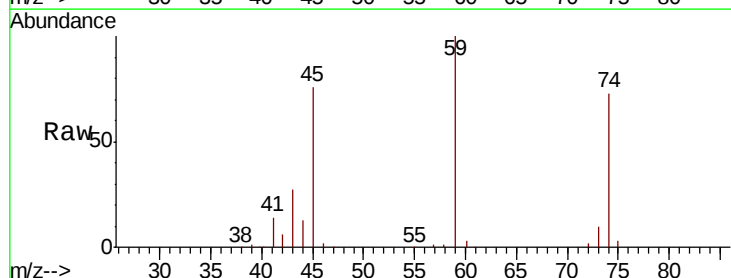
Tot Ion:101 Resp: 322503
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.2 78.2

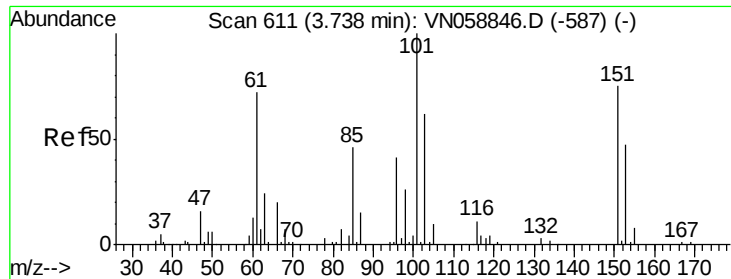


#8

Diethyl Ether
 Concen: 49.123 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 74 Resp: 110029
 Ion Ratio Lower Upper
 74 100
 45 107.0 54.9 164.5

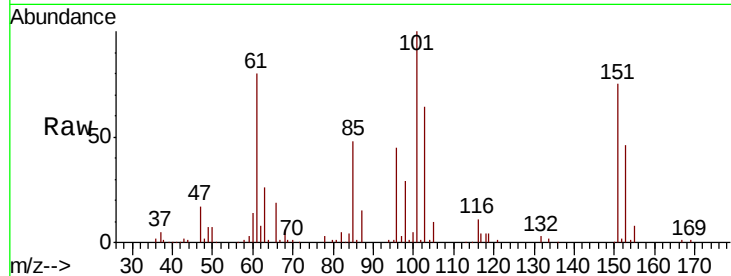




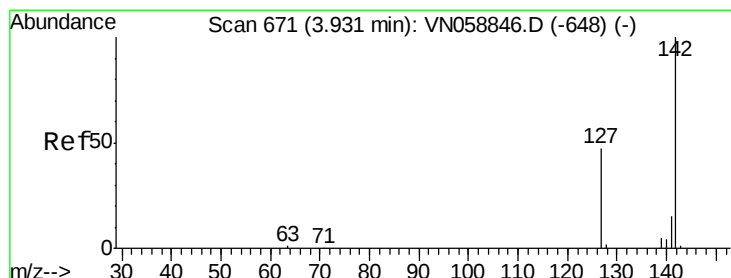
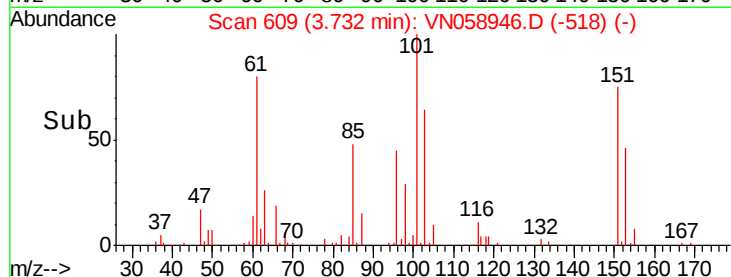
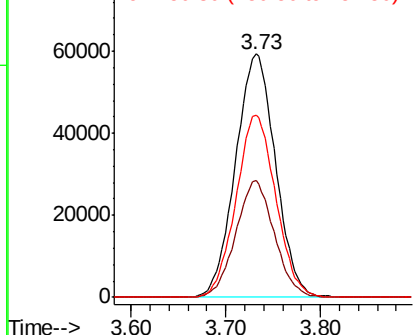
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.497 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 174263
 Ion Ratio Lower Upper
 101 100
 85 46.3 37.2 55.8
 151 74.4 59.9 89.9

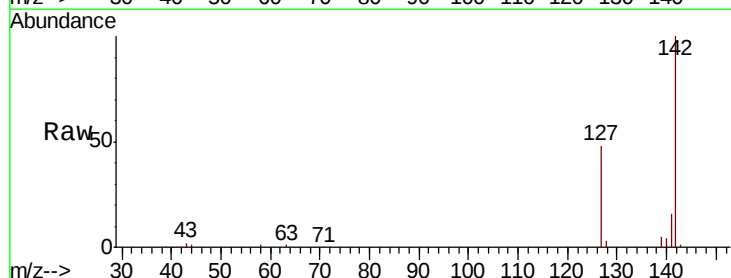


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

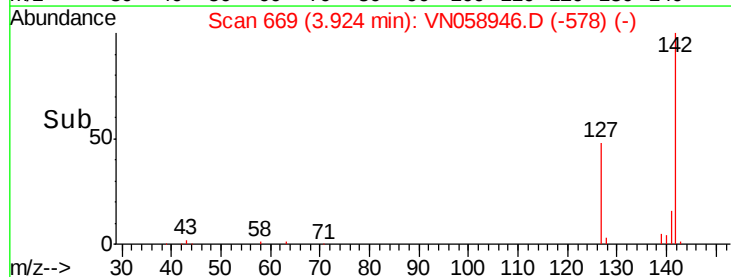
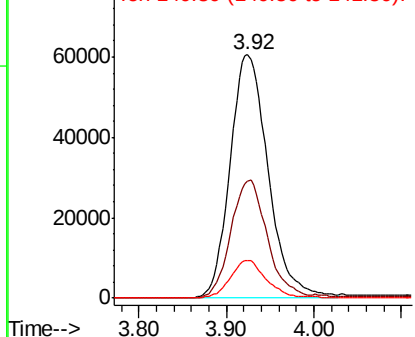


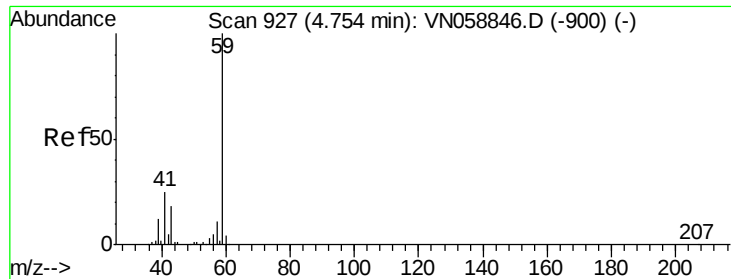
#10
 Methyl Iodide
 Concen: 38.834 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion:142 Resp: 183529
 Ion Ratio Lower Upper
 142 100
 127 46.3 36.6 54.8
 141 14.7 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V

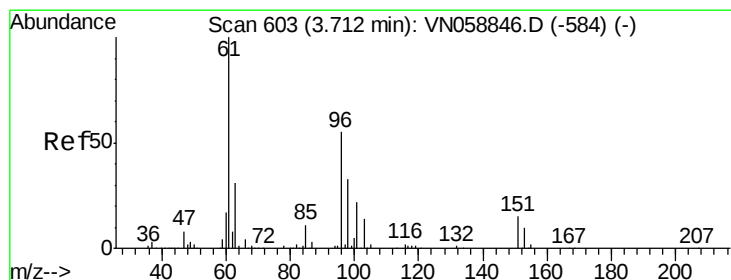
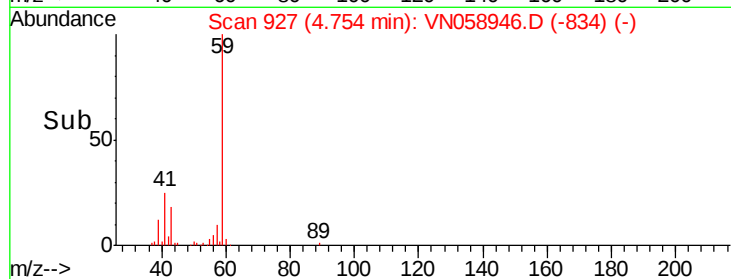
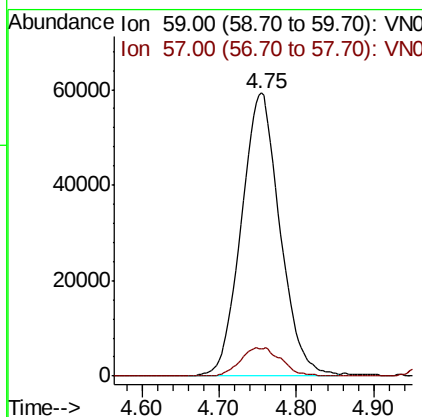
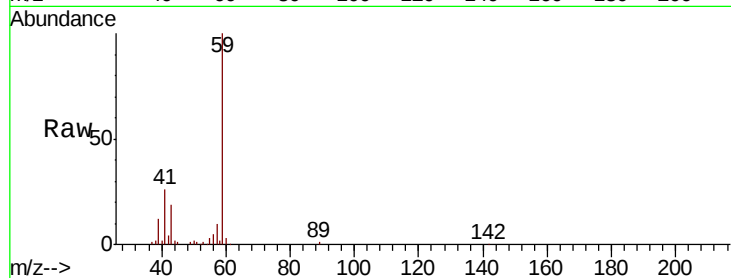




#11
Tert butyl alcohol
Concen: 248.130 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

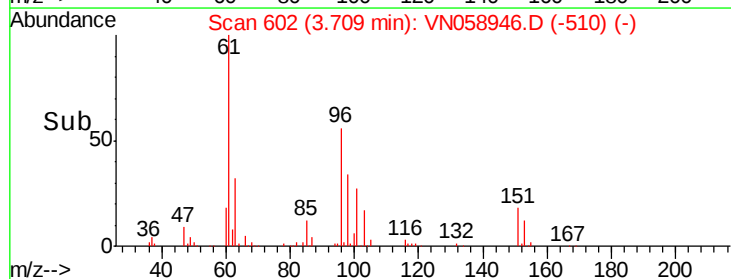
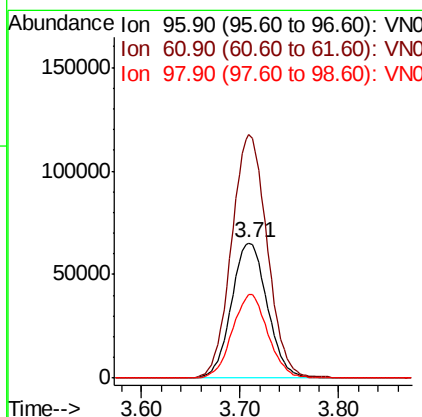
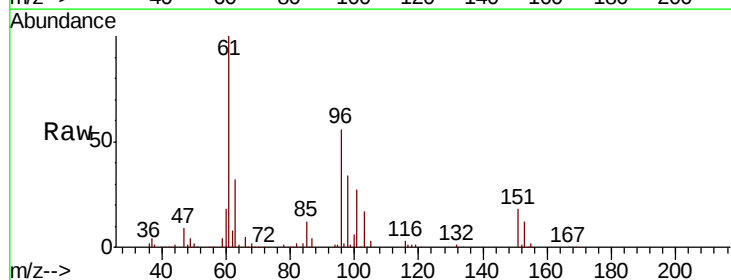
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

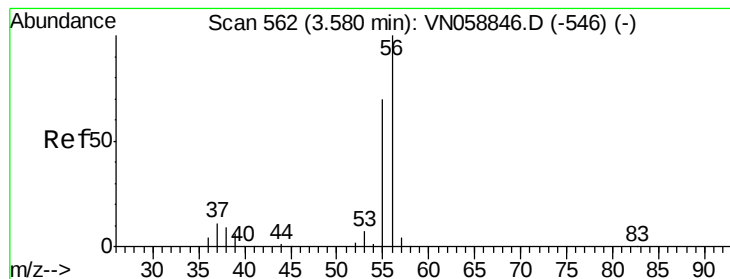
Tot Ion: 59 Resp: 206334
Ion Ratio Lower Upper
59 100
57 5.4 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 48.775 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 96 Resp: 164282
Ion Ratio Lower Upper
96 100
61 179.8 146.2 219.2
98 61.7 48.7 73.1





#13

Acrolein

Concen: 153.467 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

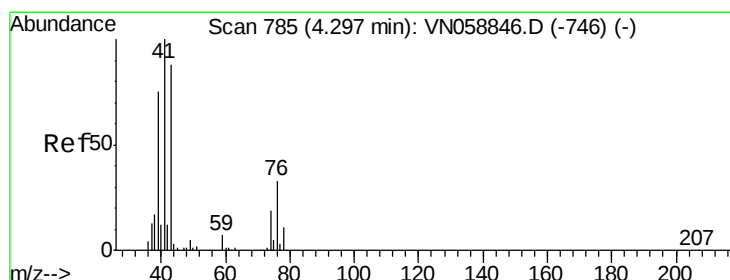
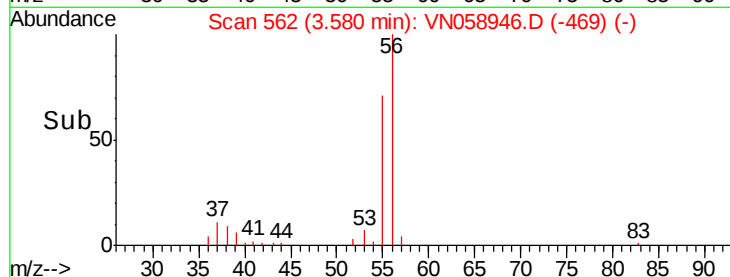
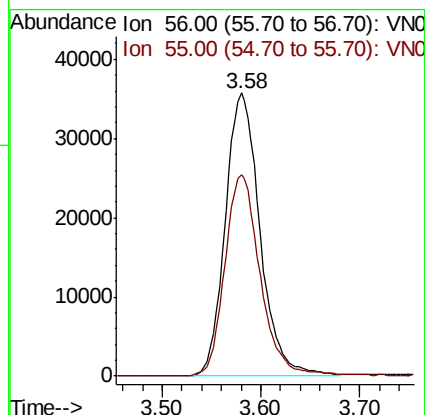
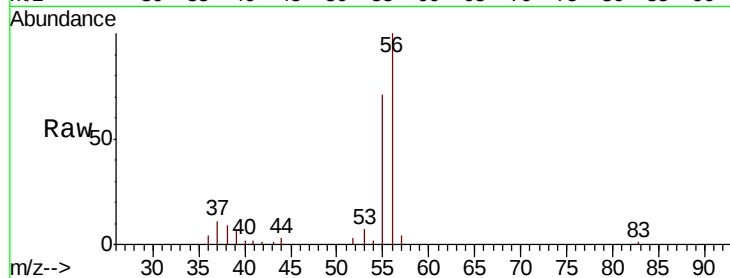
VSTDCCC050

Tot Ion: 56 Resp: 87686

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



#14

Allyl chloride

Concen: 49.401 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

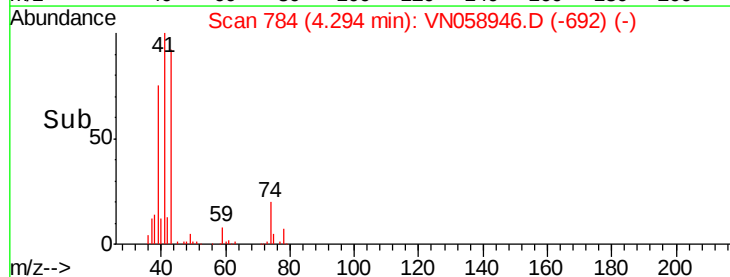
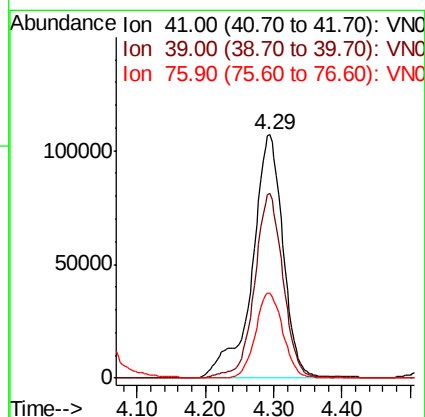
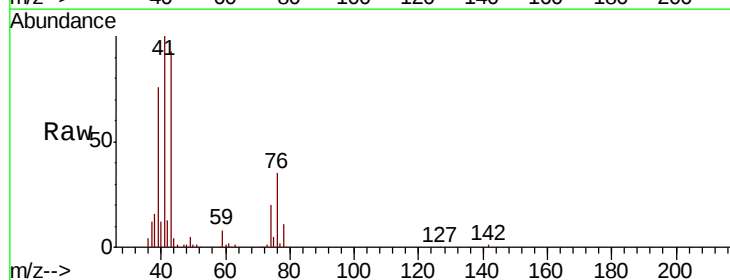
Tgt Ion: 41 Resp: 336691

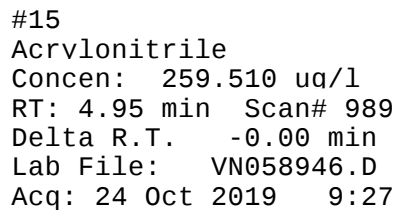
Ion Ratio Lower Upper

41 100

39 70.1 55.9 83.9

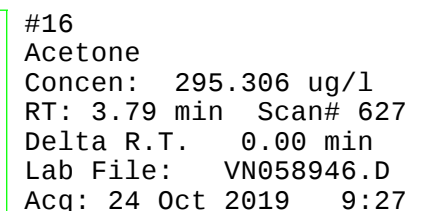
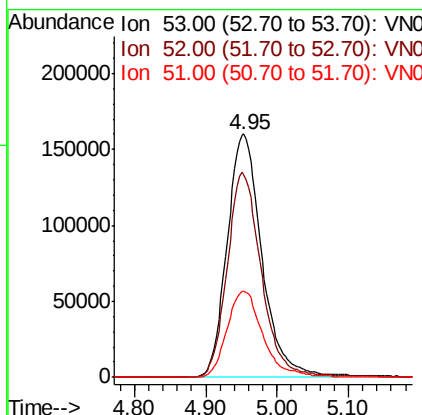
76 31.0 24.1 36.1



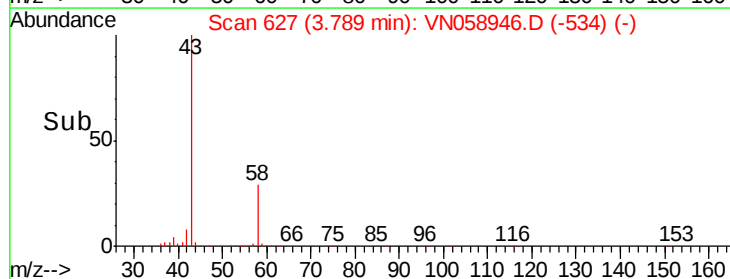
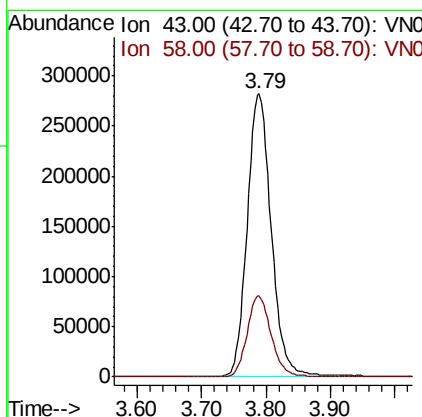


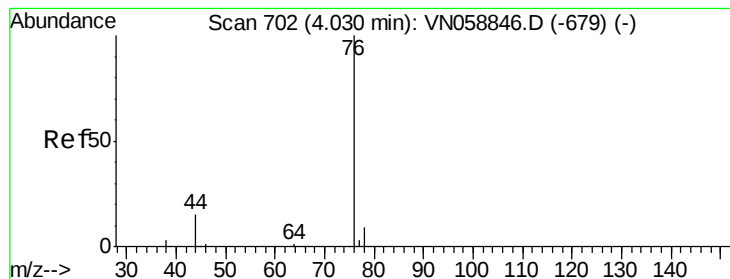
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot	Ion: 53	Resp:	542818
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	99.8
51	36.8	29.2	43.8



Tgt	Ion: 43	Resp:	731220
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.1	34.7





#17

Carbon Disulfide

Concen: 45.532 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

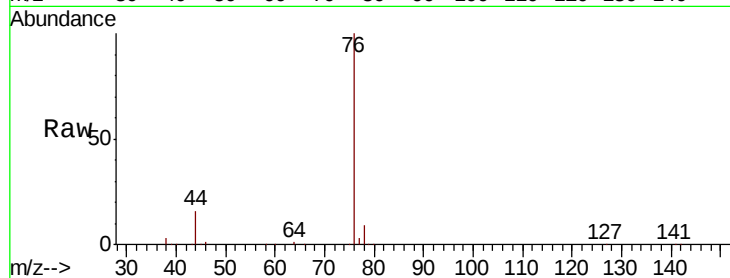
VSTDCCC050

Tot Ion: 76 Resp: 494009

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

200000

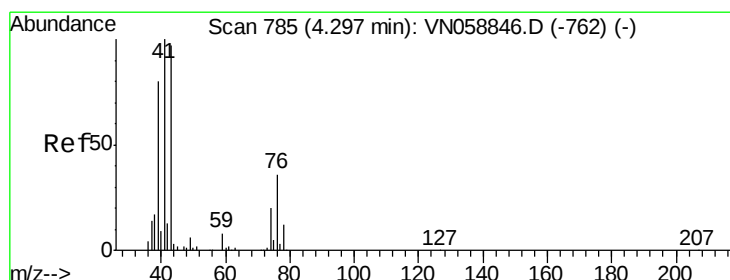
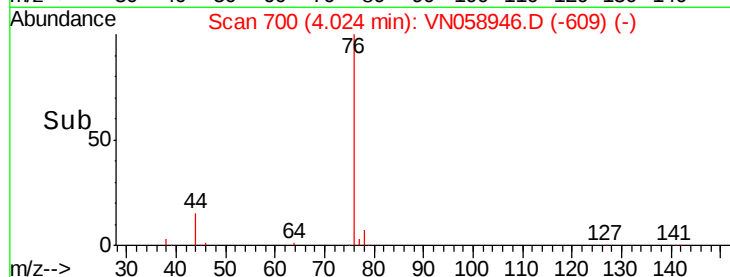
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.718 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058946.D

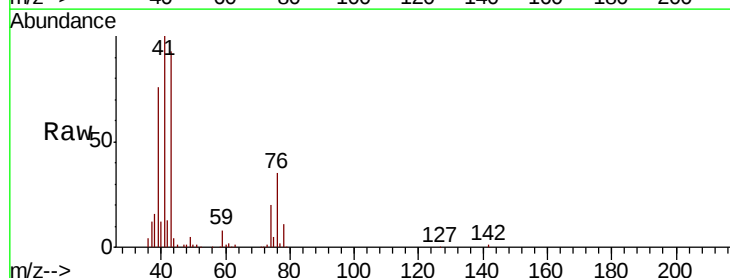
Acq: 24 Oct 2019 9:27

Tgt Ion: 43 Resp: 279890

Ion Ratio Lower Upper

43 100

74 21.6 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

100000

80000

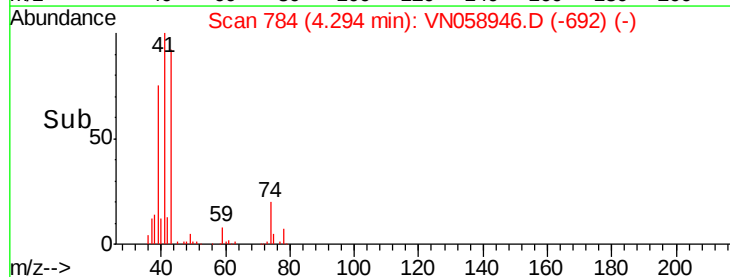
60000

40000

20000

0

Time-->

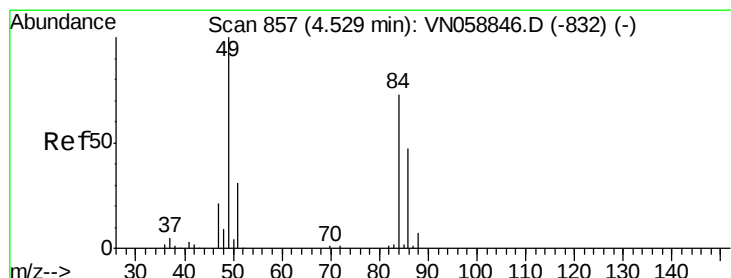
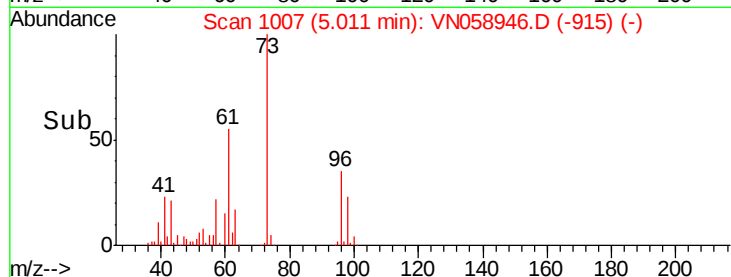
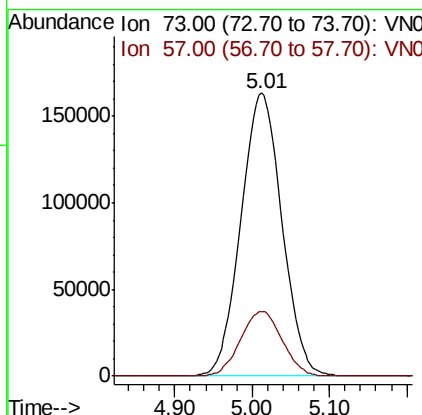
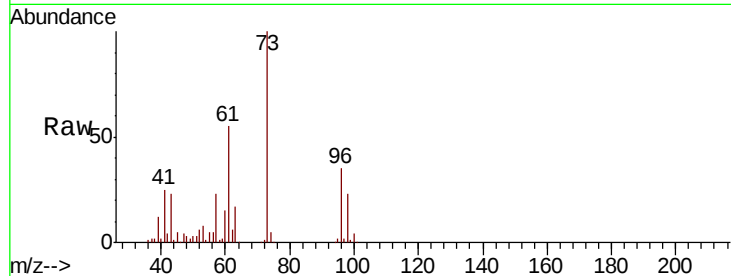




#19
Methvl tert-butvl Ether
Concen: 51.137 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

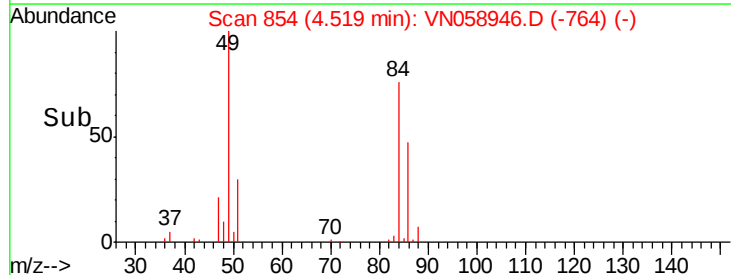
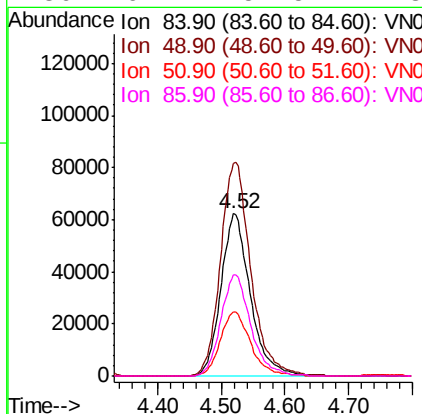
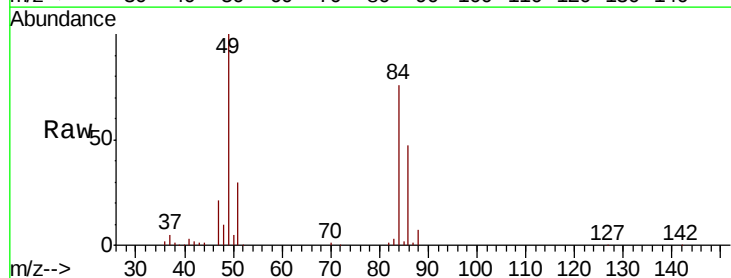
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 603098
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9



#20
Methylene Chloride
Concen: 47.207 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 84 Resp: 199596
Ion Ratio Lower Upper
84 100
49 130.8 109.6 164.4
51 39.5 33.8 50.6
86 62.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.430 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

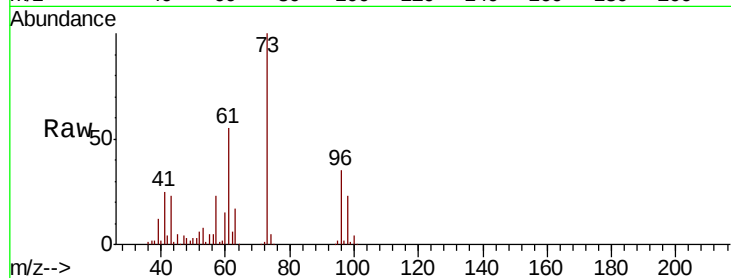
Tot Ion: 96 Resp: 183862

Ion Ratio Lower Upper

96 100

61 157.9 126.7 190.1

98 66.5 52.0 78.0

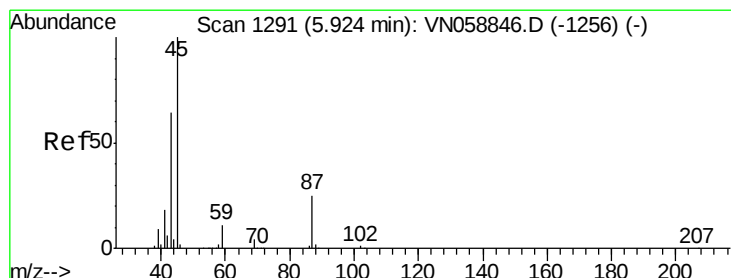
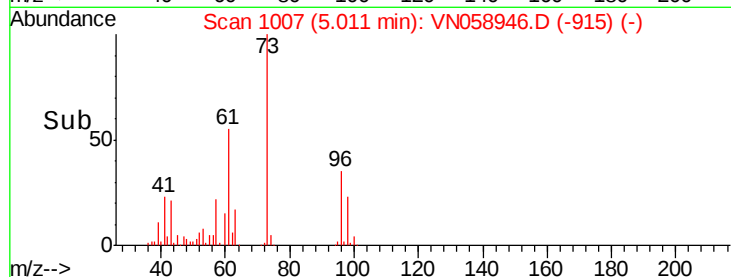
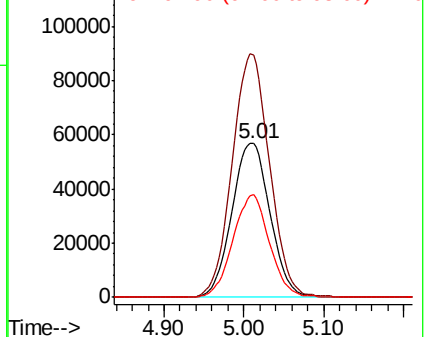


Abundance

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: 52.492 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion: 45 Resp: 699769

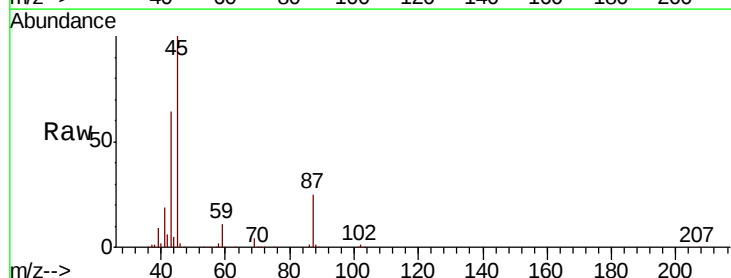
Ion Ratio Lower Upper

45 100

43 62.7 52.9 79.3

87 24.7 20.2 30.4

59 11.1 8.8 13.2



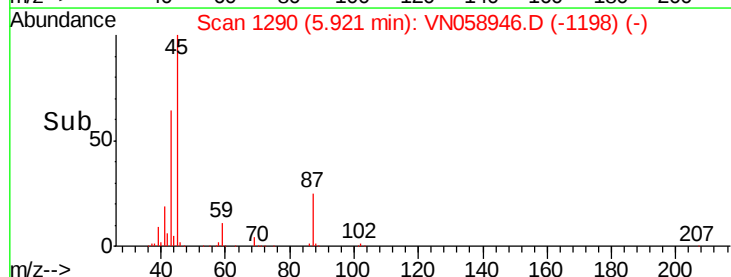
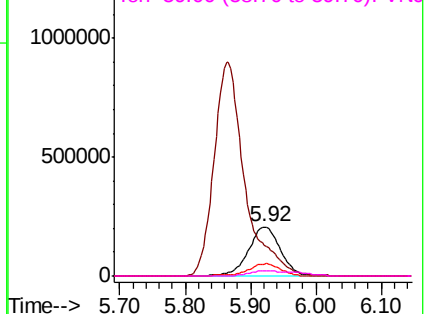
Abundance

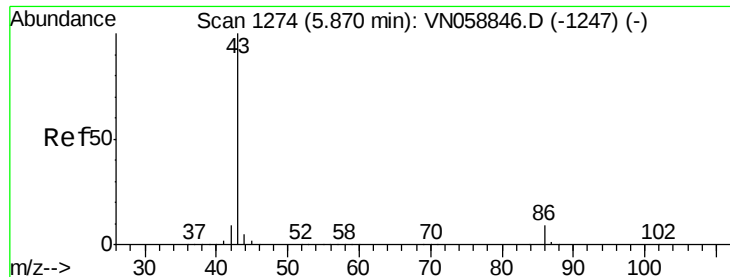
Ion 45.00 (44.70 to 45.70): VN0

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

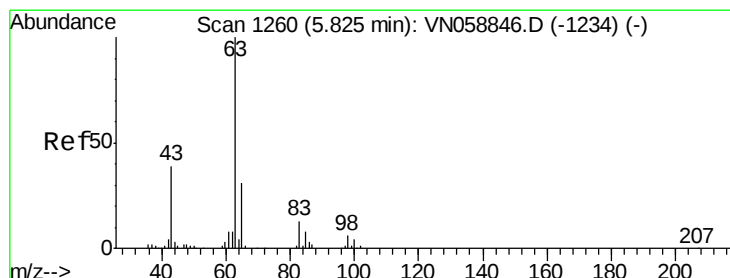
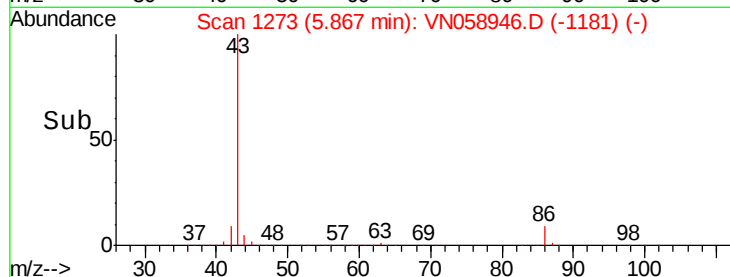
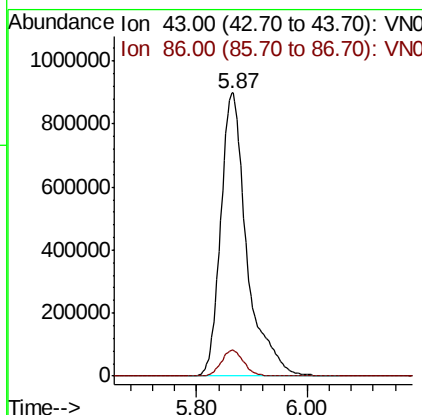
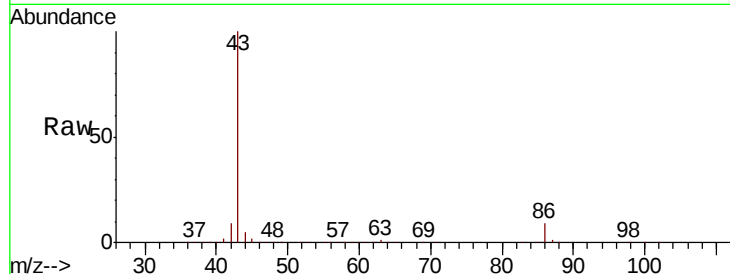




#23
 Vinyl Acetate
 Concen: 275.204 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

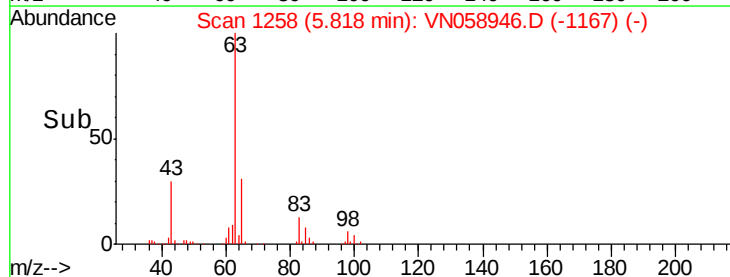
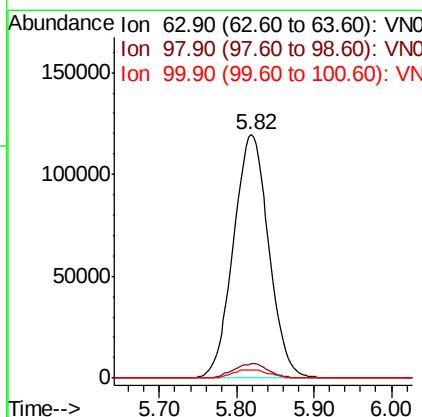
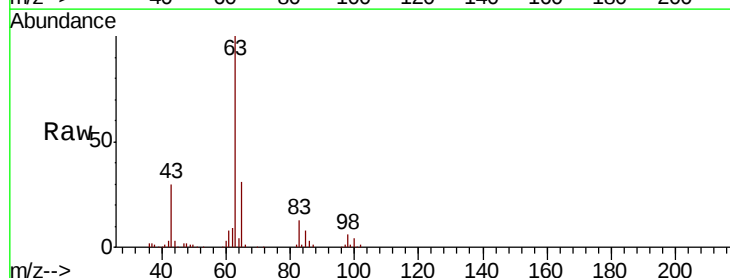
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

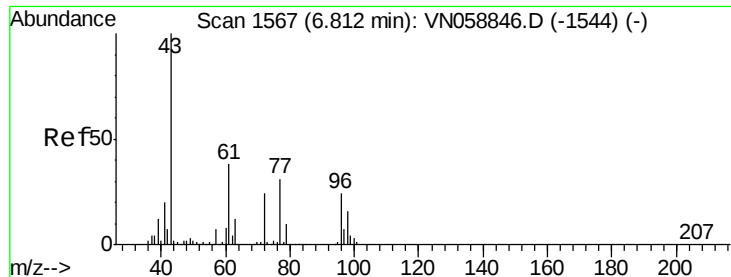
Tot Ion: 43 Resp: 2947570
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 49.050 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 63 Resp: 379155
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.6 1.9 5.7

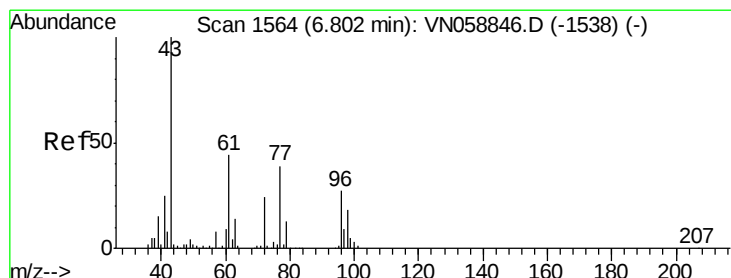
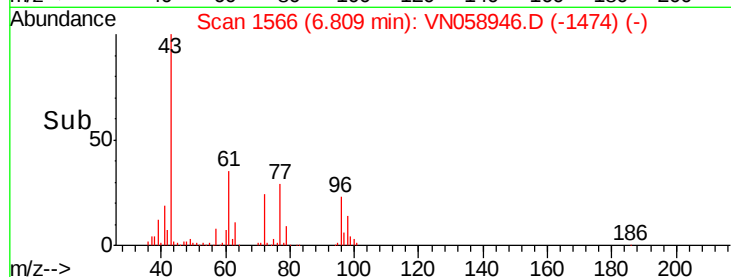
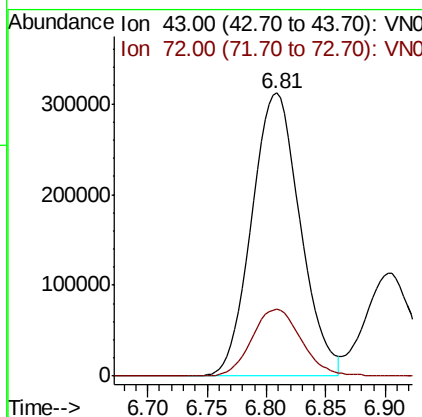
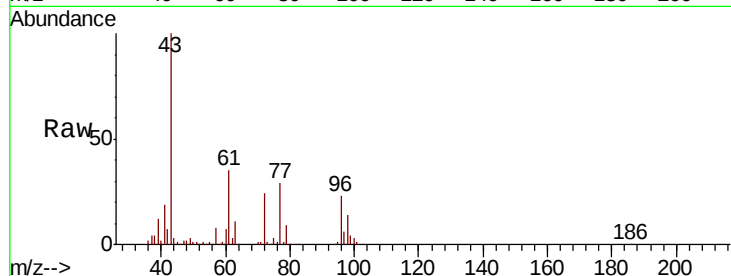




#25
2-Butanone
Concen: 273.339 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

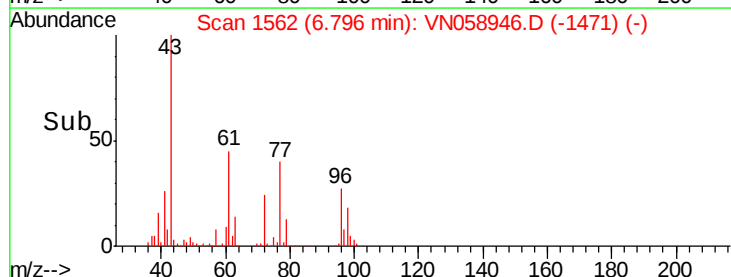
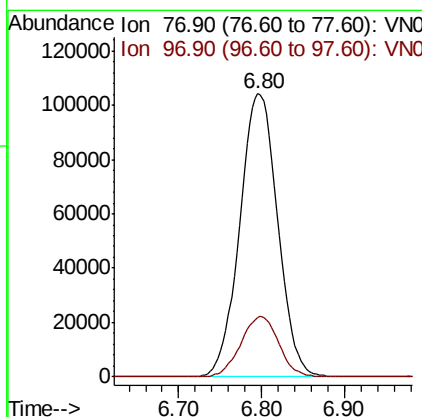
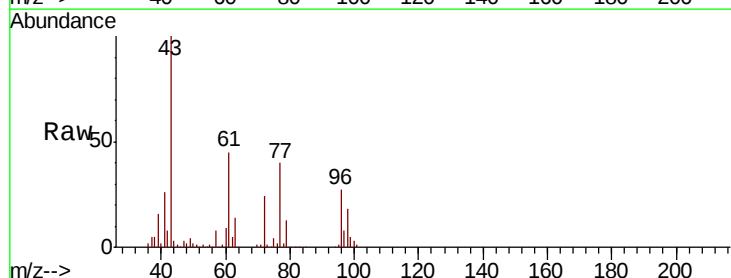
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

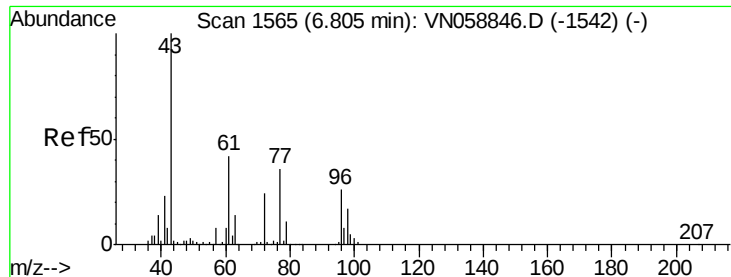
Tot Ion: 43 Resp: 878592
Ion Ratio Lower Upper
43 100
72 23.8 19.1 28.7



#26
2,2-Dichloropropane
Concen: 49.560 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 77 Resp: 331366
Ion Ratio Lower Upper
77 100
97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.893 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

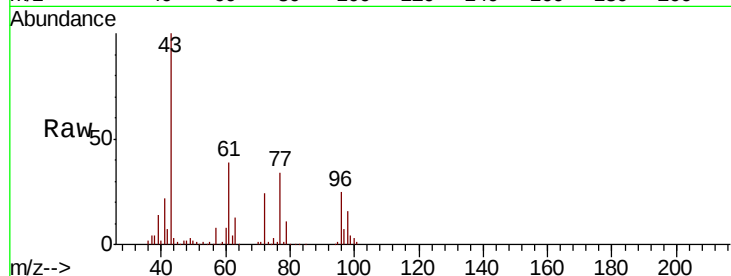
Tot Ion: 96 Resp: 212004

Ion Ratio Lower Upper

96 100

61 163.2 0.0 325.0

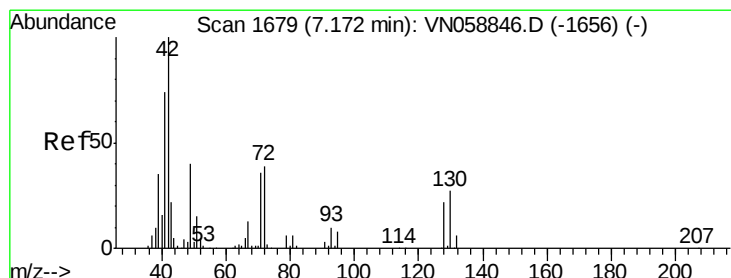
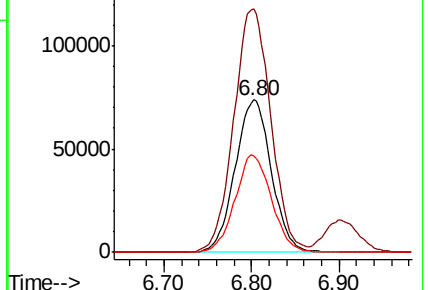
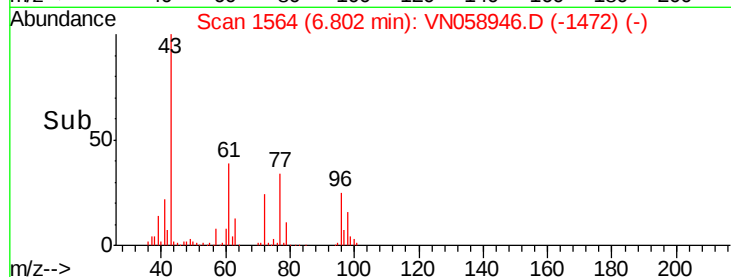
98 64.1 0.0 128.0



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: 49.580 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

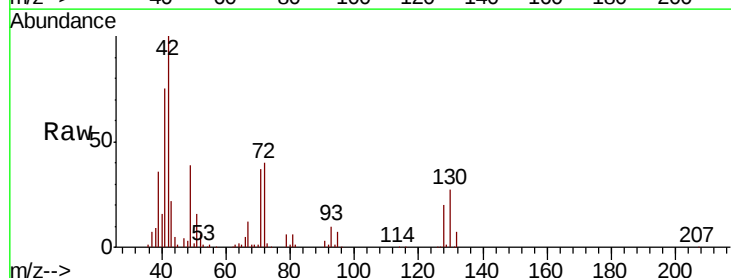
Tgt Ion: 49 Resp: 127638

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.2

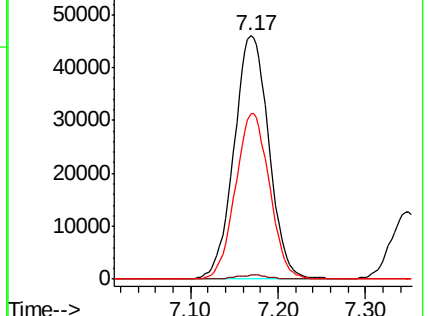
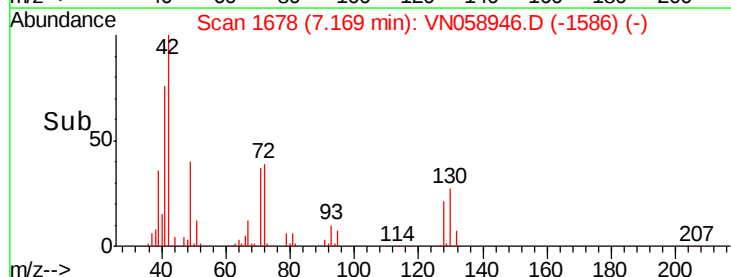
130 66.3 53.5 80.3



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: 261.682 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

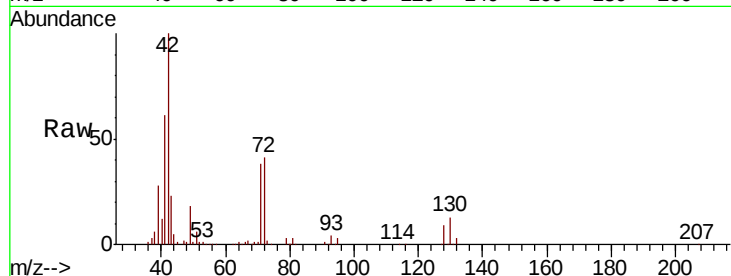
Tot Ion: 42 Resp: 514544

Ion Ratio Lower Upper

42 100

72 40.1 32.2 48.2

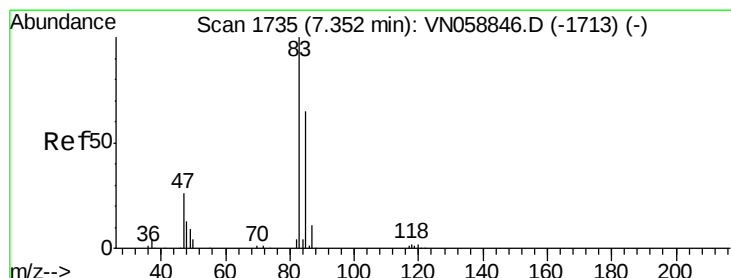
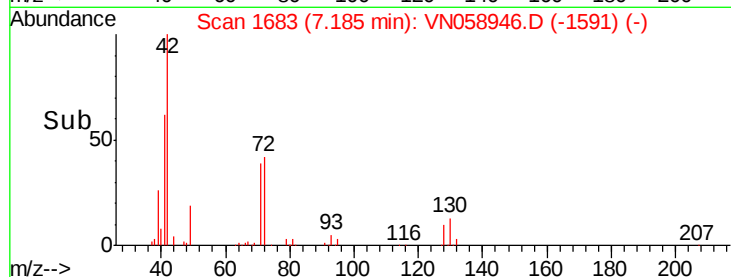
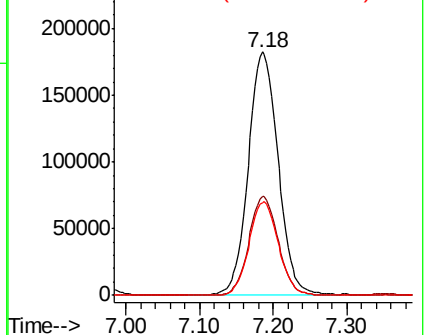
71 37.9 30.6 45.8



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: 48.770 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN058946.D

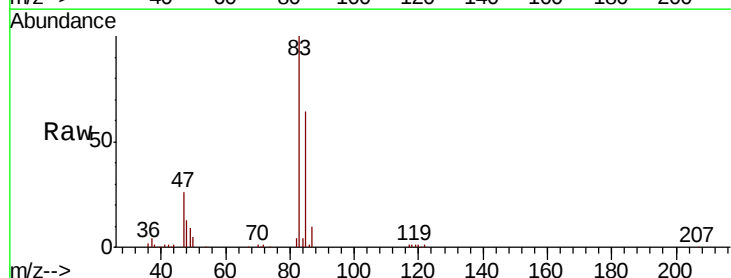
Acq: 24 Oct 2019 9:27

Tgt Ion: 83 Resp: 378155

Ion Ratio Lower Upper

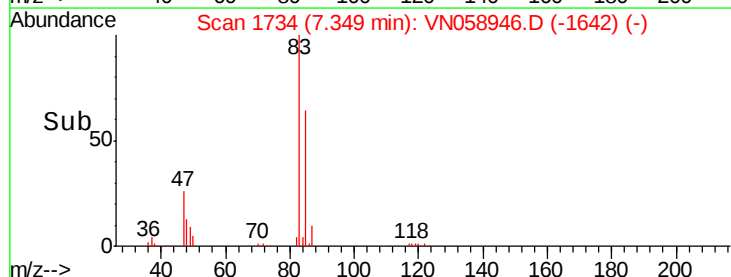
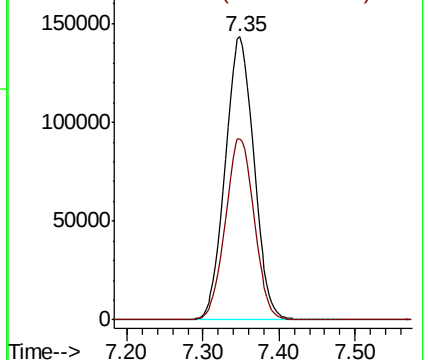
83 100

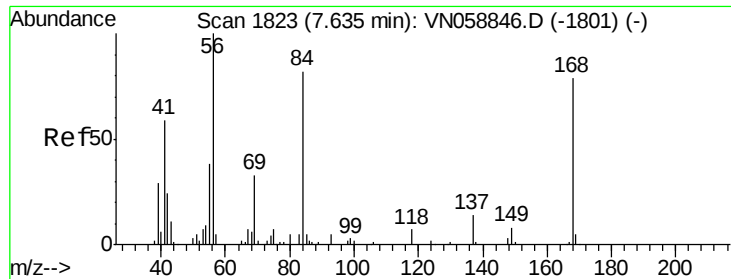
85 64.1 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

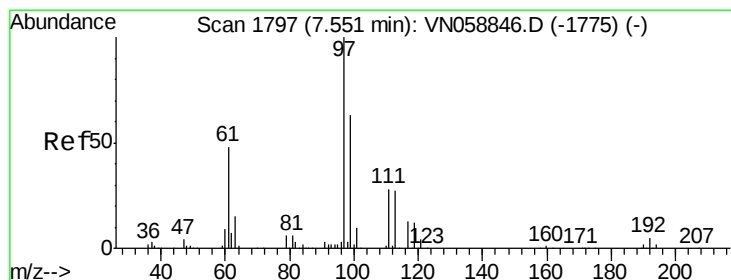
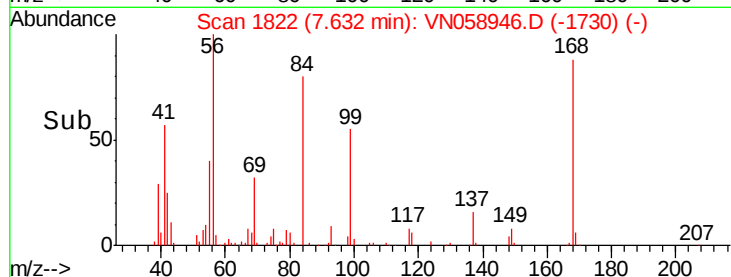
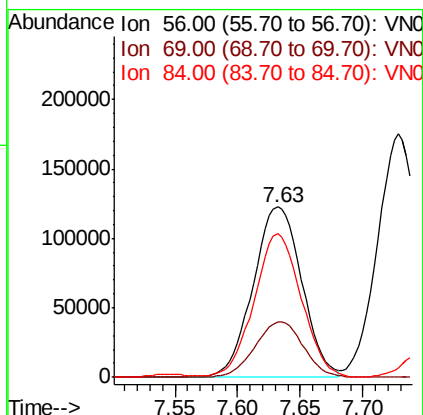
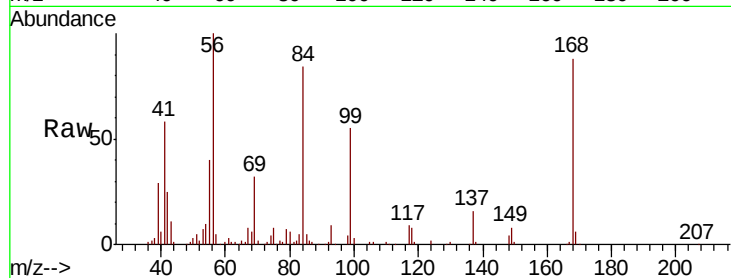




#31
Cyclohexane
Concen: 45.978 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

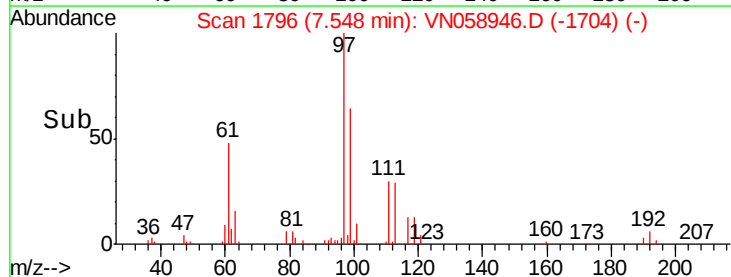
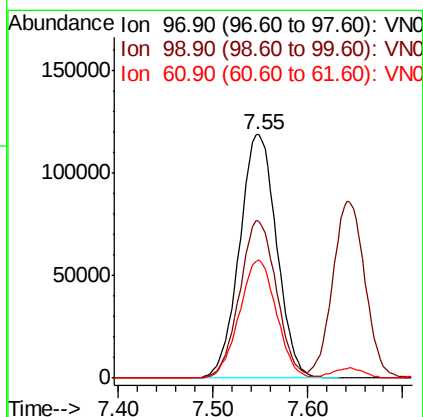
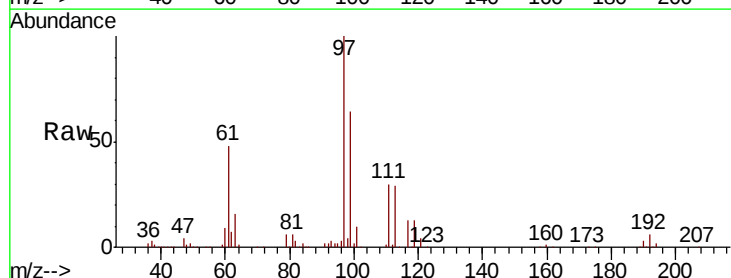
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

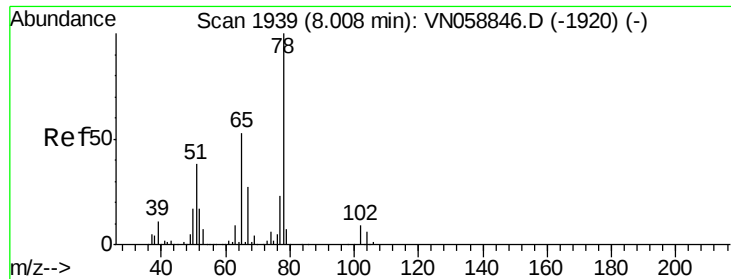
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.2	39.4
84	82.8	65.6	98.4



#32
1,1,1-Trichloroethane
Concen: 49.696 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	48.3	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 48.585 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

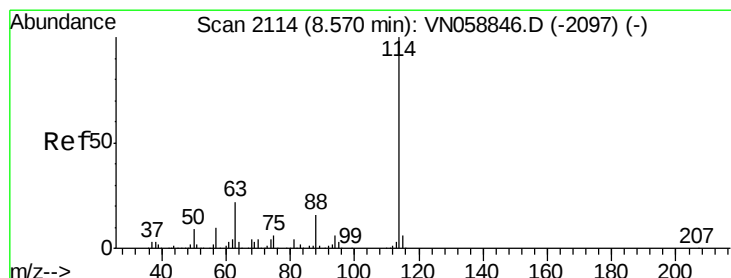
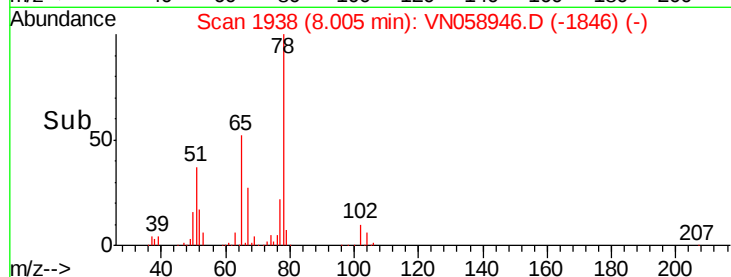
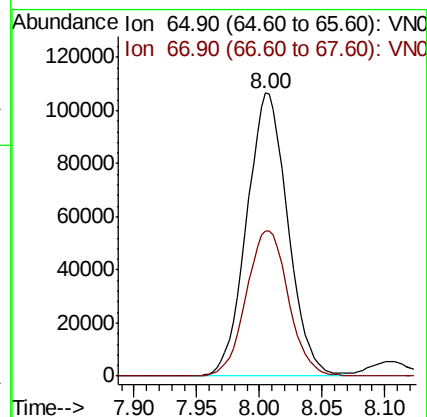
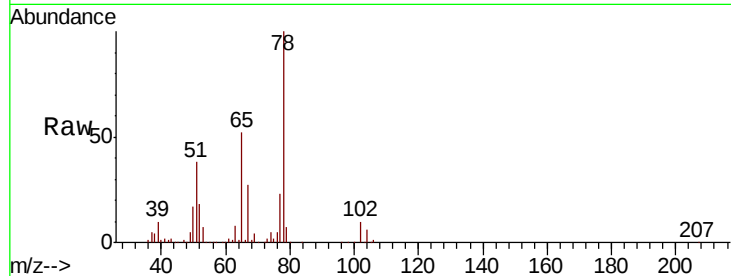
VSTDCCC050

Tot Ion: 65 Resp: 243459

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

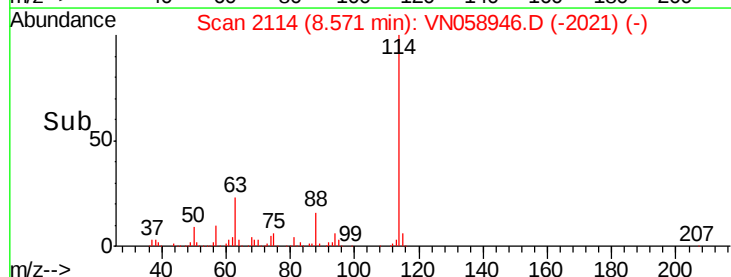
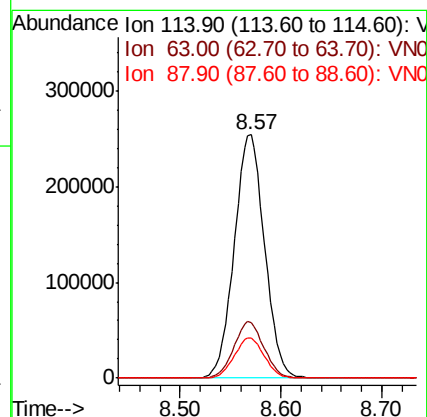
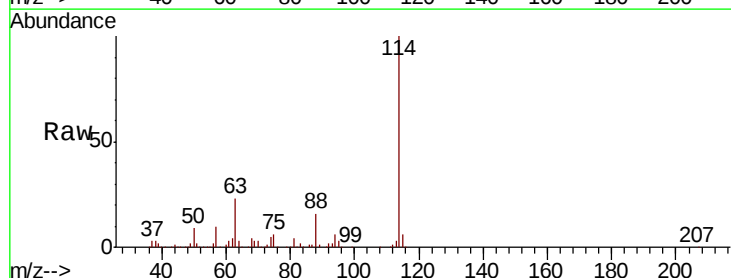
Tgt Ion: 114 Resp: 531353

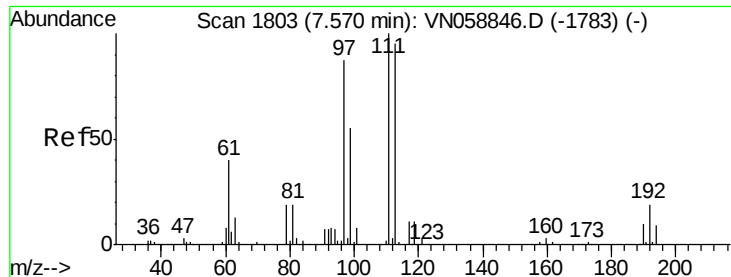
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.4

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.501 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

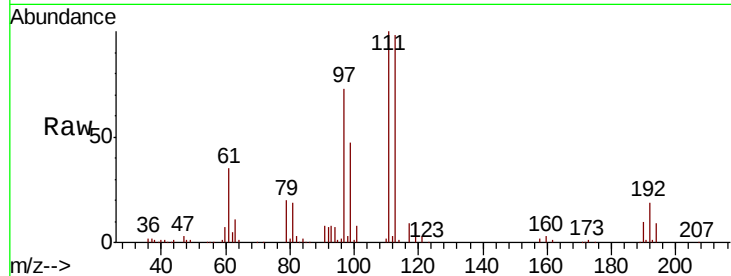
Tot Ion:113 Resp: 176425

Ion Ratio Lower Upper

113 100

111 104.2 82.0 123.0

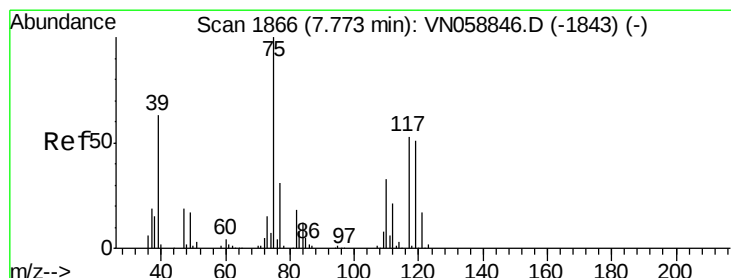
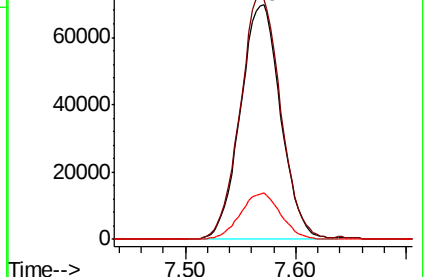
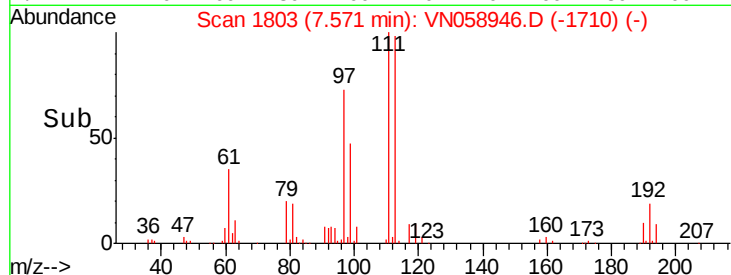
192 19.7 15.0 22.6



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: 52.214 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

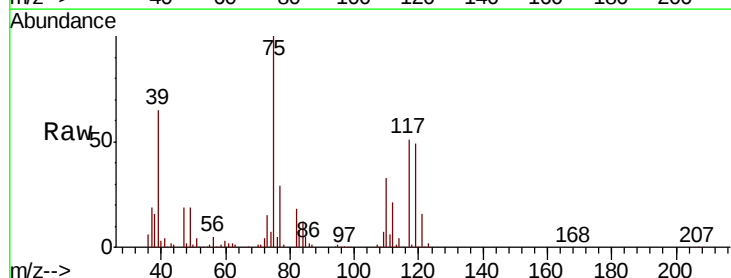
Tgt Ion: 75 Resp: 284040

Ion Ratio Lower Upper

75 100

110 32.5 16.3 48.9

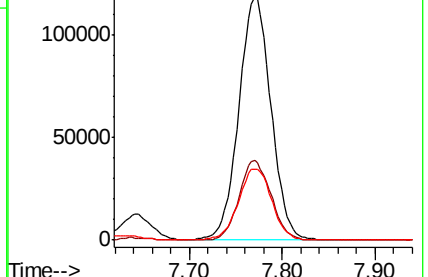
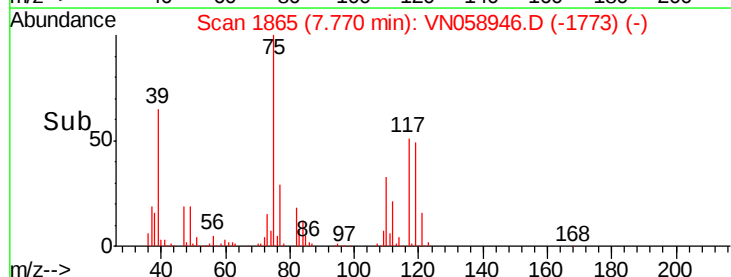
77 30.6 24.6 36.8

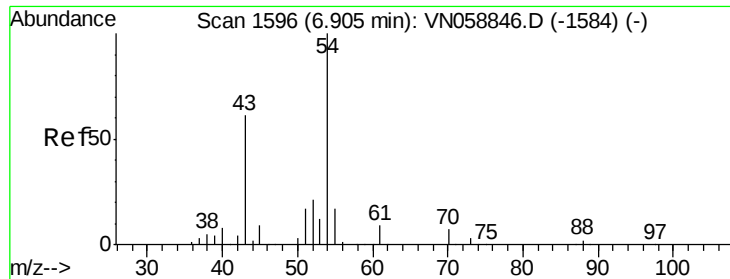


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

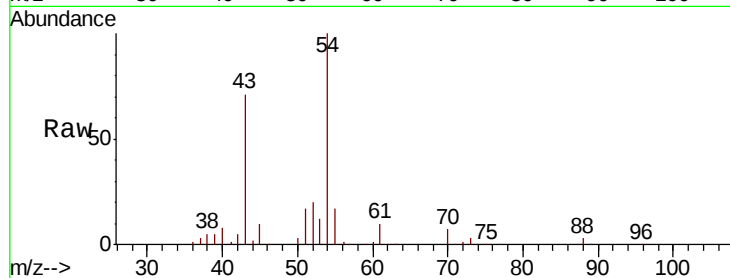




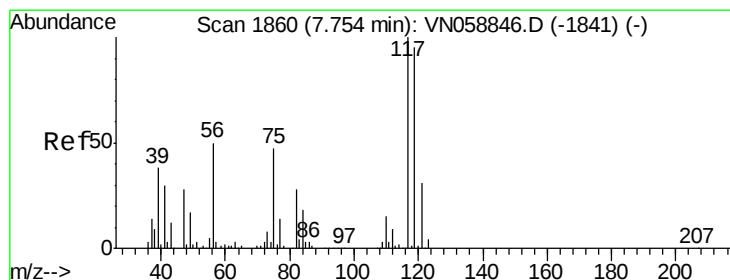
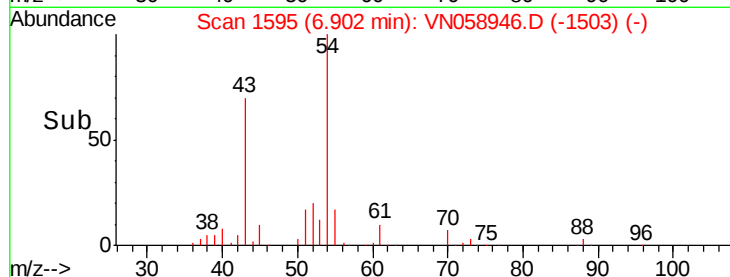
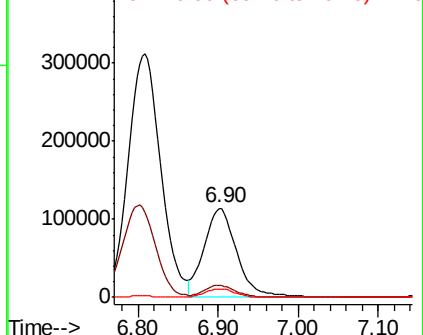
#37
Ethyl Acetate
Concen: 54.308 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 321908
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 9.2 7.6 11.4

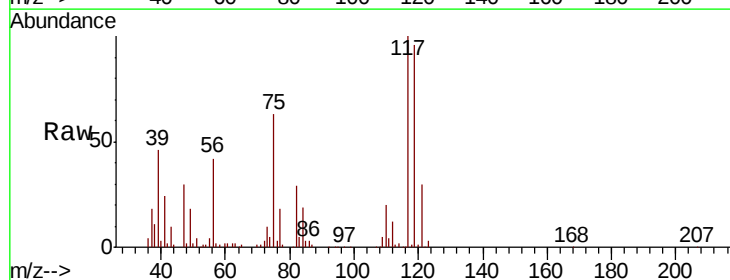


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

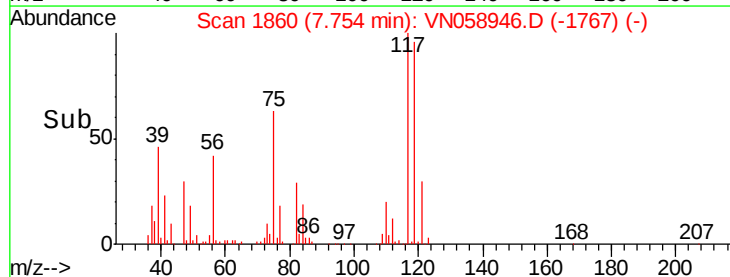
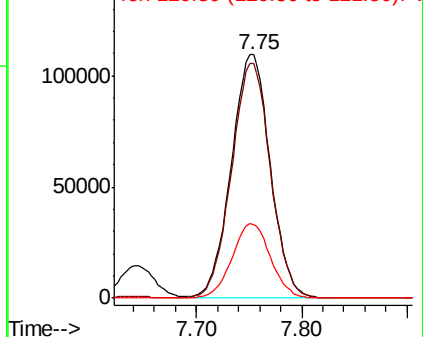


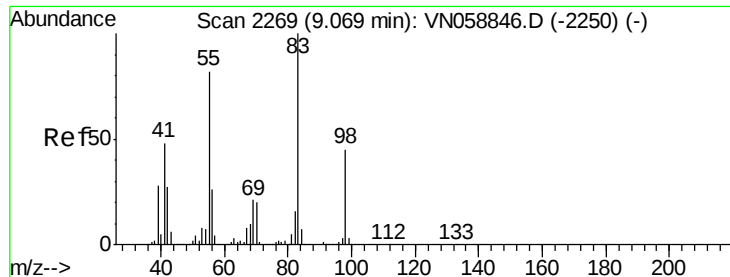
#38
Carbon Tetrachloride
Concen: 50.254 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 117 Resp: 281636
Ion Ratio Lower Upper
117 100
119 96.5 75.7 113.5
121 30.3 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

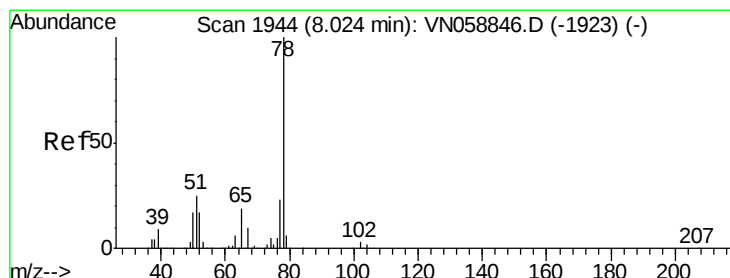
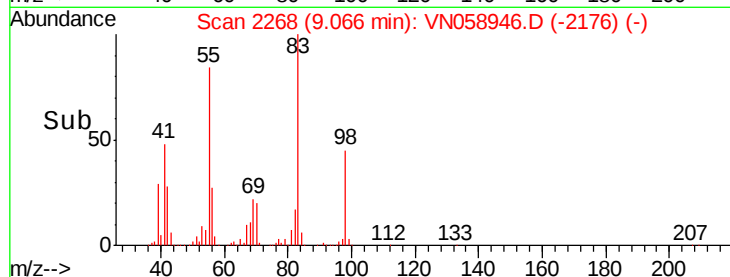
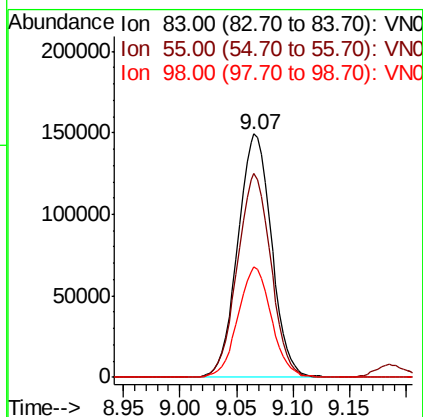
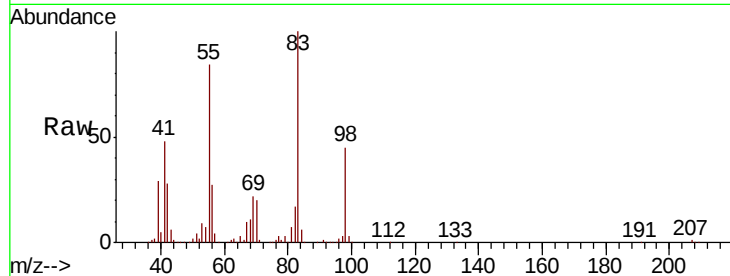




#39
Methvlcvclohexane
Concen: 50.818 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

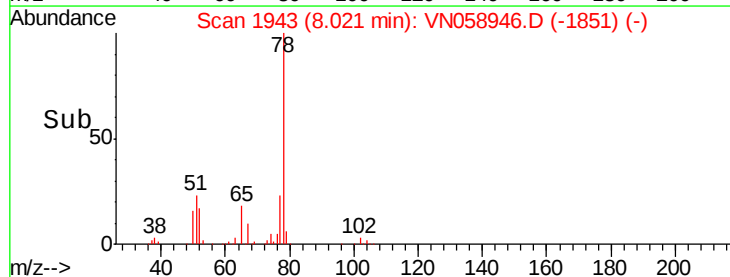
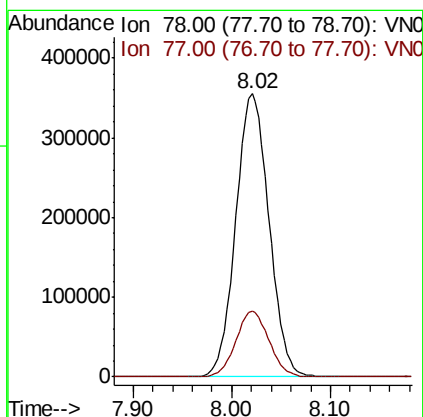
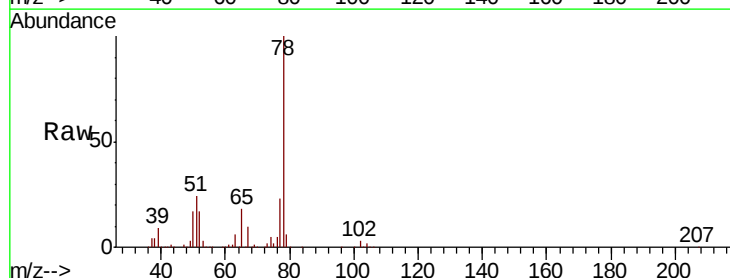
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

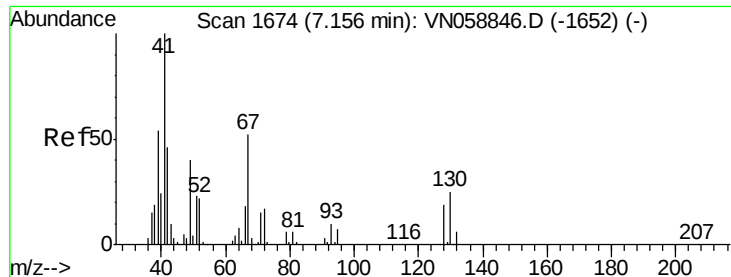
Tot Ion: 83 Resp: 310407
Ion Ratio Lower Upper
83 100
55 83.9 65.5 98.3
98 45.1 35.7 53.5



#40
Benzene
Concen: 52.032 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 78 Resp: 831174
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2

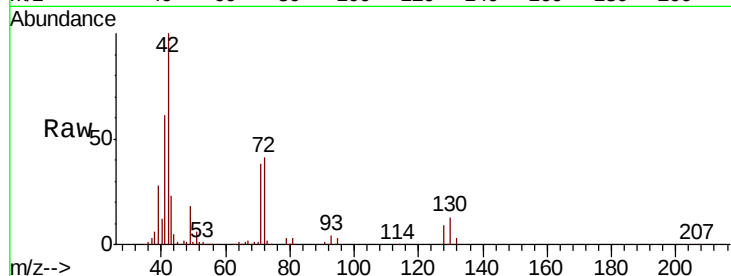




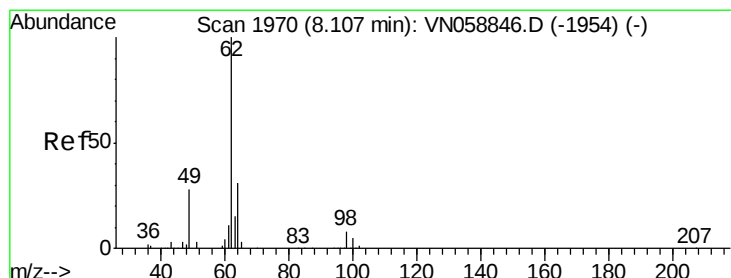
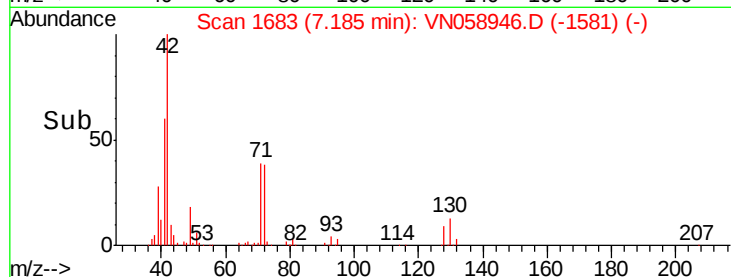
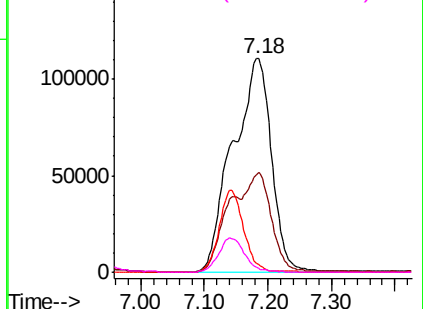
#41
Methacrylonitrile
Concen: 177.018 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	467322
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

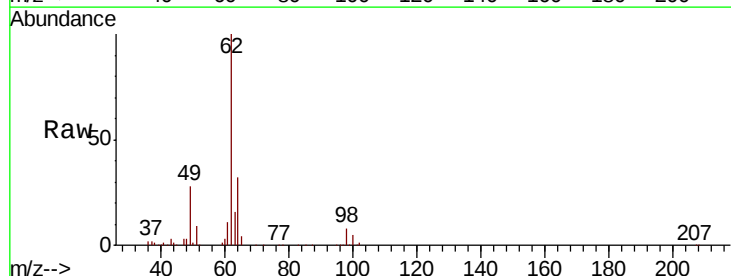


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

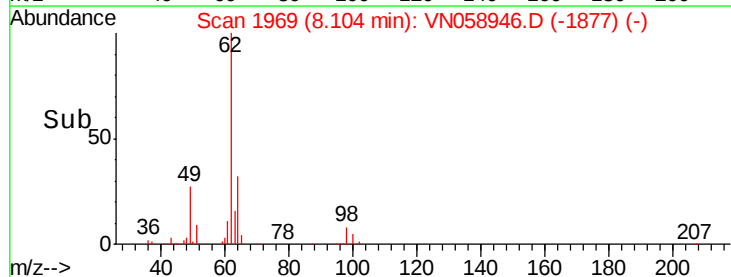
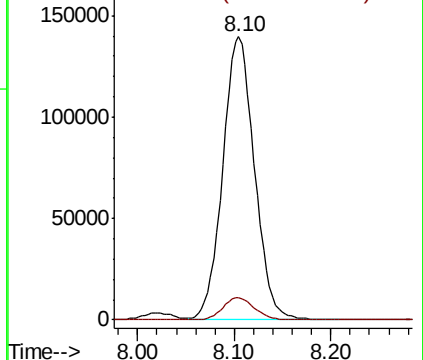


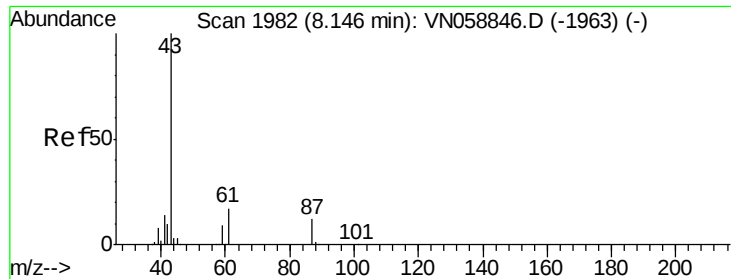
#42
1,2-Dichloroethane
Concen: 51.471 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:	62	Resp:	316727
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



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

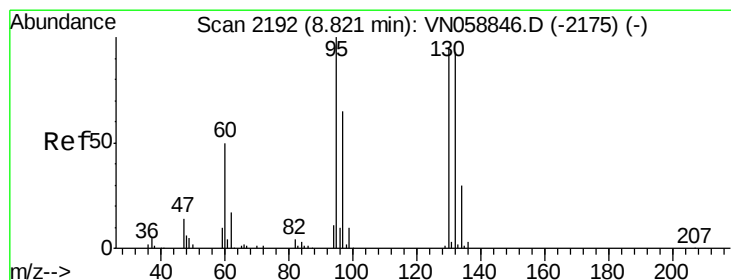
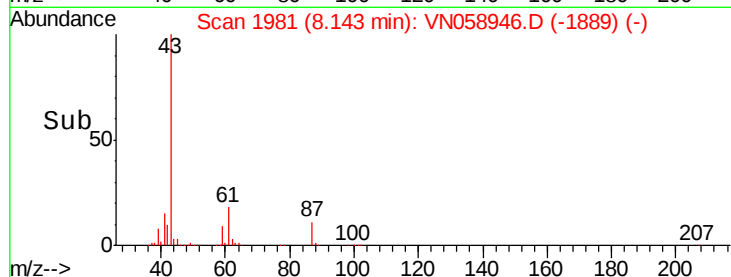
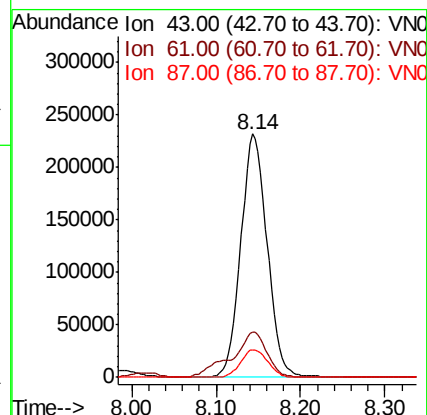
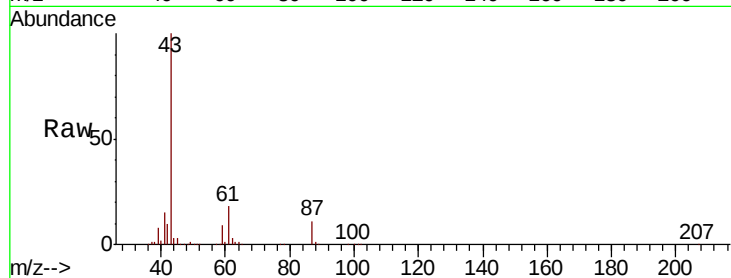




#43
Isopropyl Acetate
Concen: 52.861 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

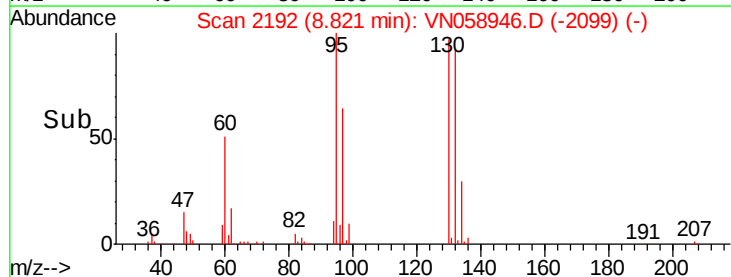
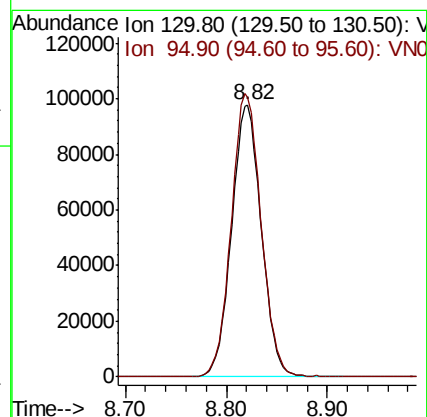
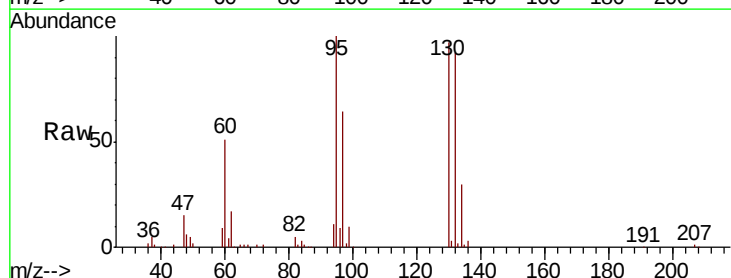
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

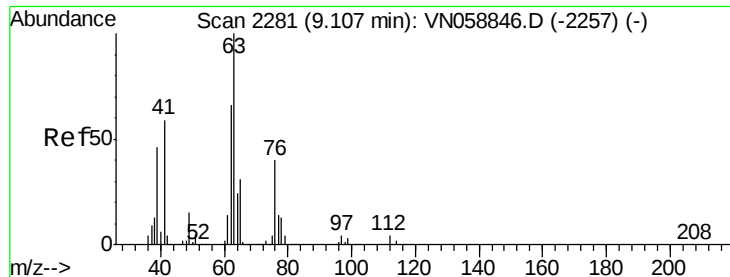
Tot Ion: 43 Resp: 502509
Ion Ratio Lower Upper
43 100
61 25.2 20.2 30.2
87 11.8 9.5 14.3



#44
Trichloroethene
Concen: 51.612 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 130 Resp: 200837
Ion Ratio Lower Upper
130 100
95 102.7 0.0 209.6





#45

1,2-Dichloropropane

Concen: 52.025 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

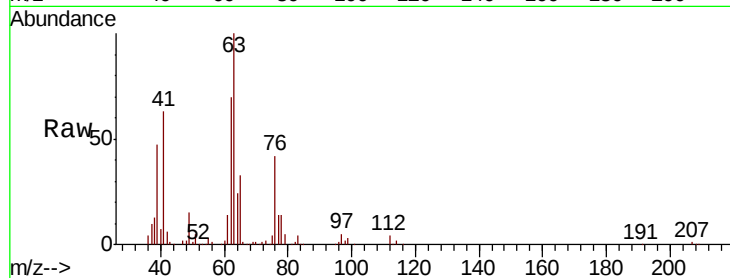
VSTDCCC050

Tot Ion: 63 Resp: 227890

Ion Ratio Lower Upper

63 100

65 32.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

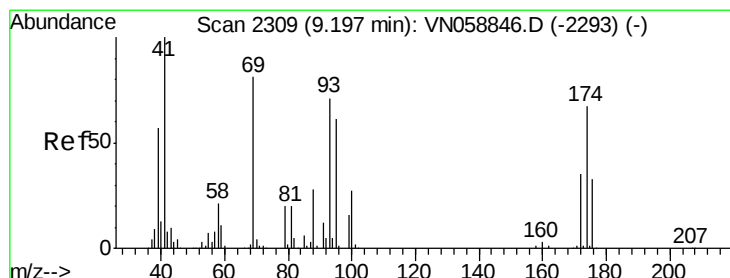
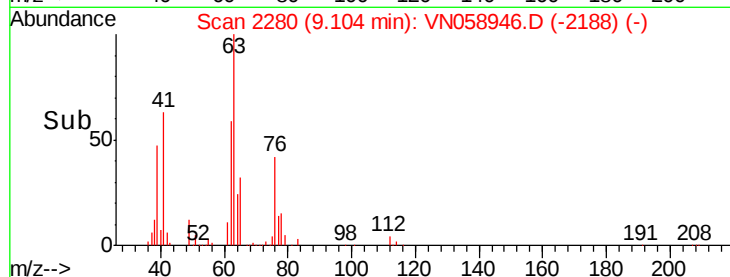
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.298 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

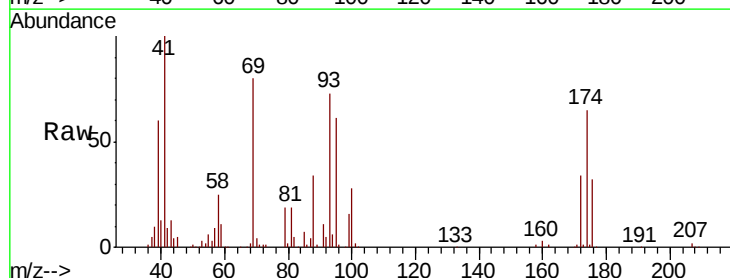
Tgt Ion: 93 Resp: 144823

Ion Ratio Lower Upper

93 100

95 83.7 67.6 101.4

174 92.6 74.1 111.1



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

100000

80000

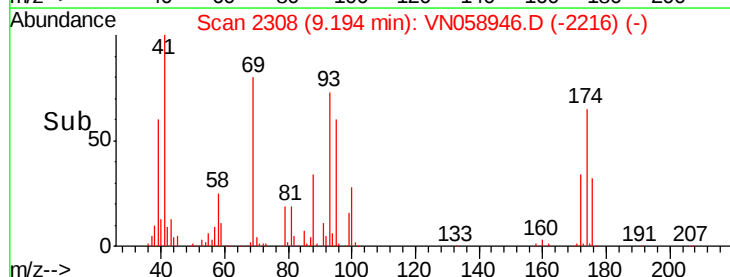
60000

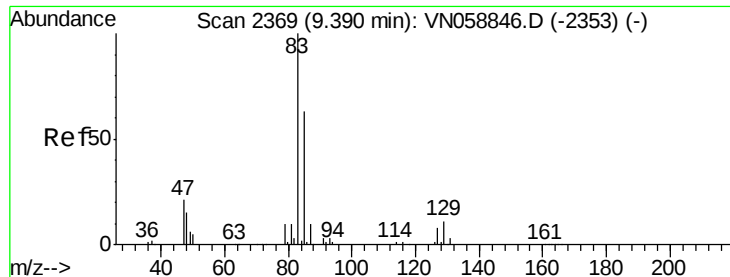
40000

20000

0

Time-->

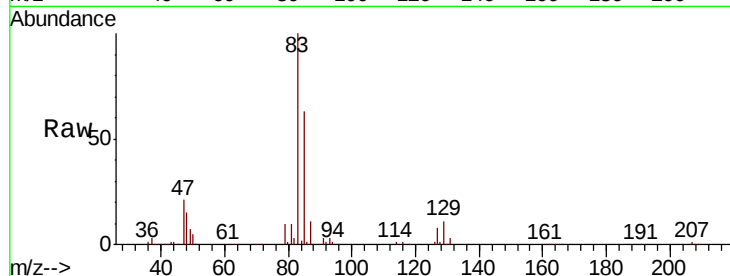




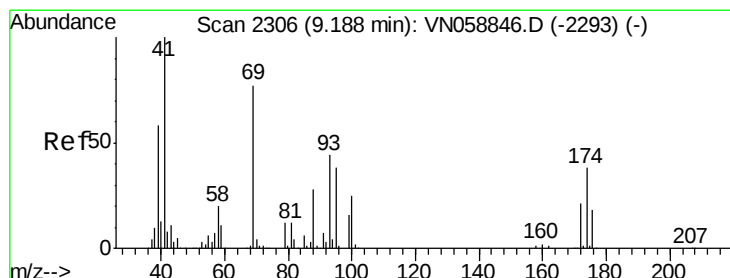
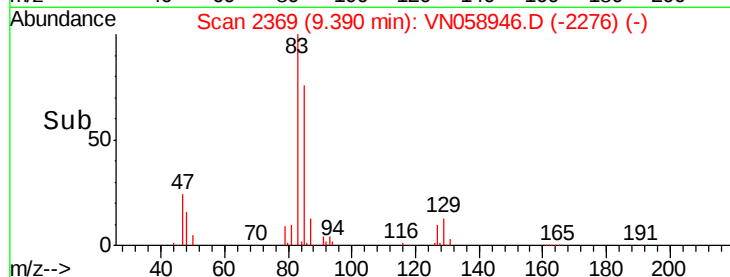
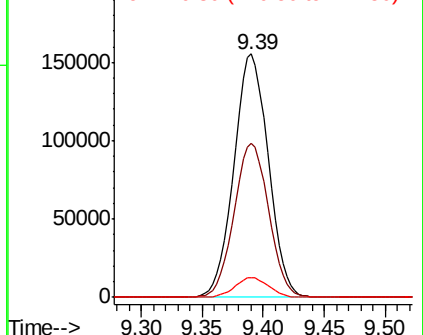
#47
Bromodichloromethane
Concen: 53.286 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 304128
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8
127 8.2 6.5 9.7

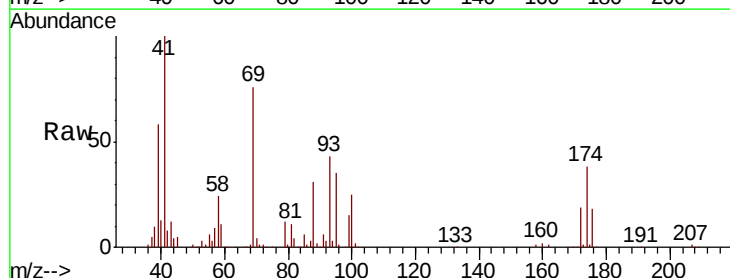


Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V

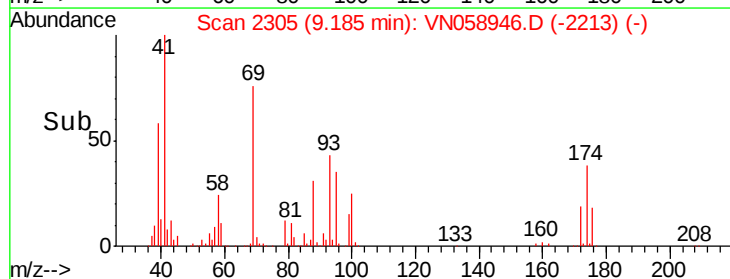
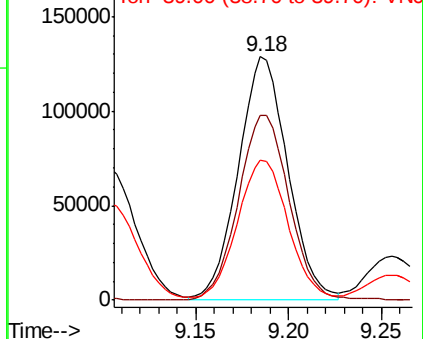


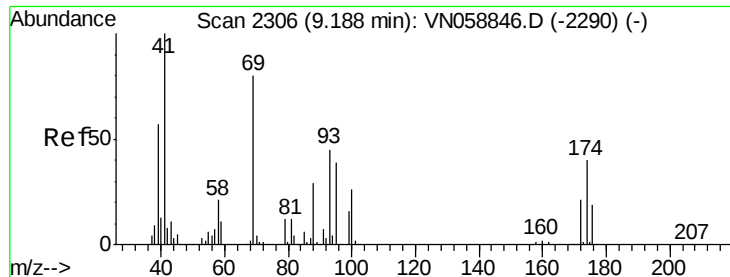
#48
Methyl methacrylate
Concen: 55.252 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 41 Resp: 238305
Ion Ratio Lower Upper
41 100
69 78.8 63.8 95.6
39 59.3 47.8 71.8



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

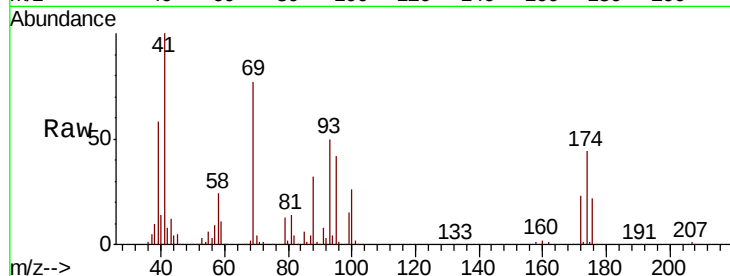




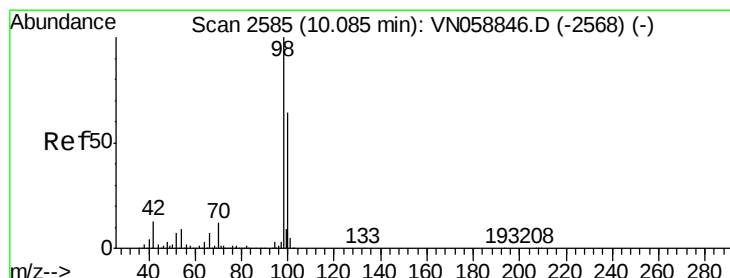
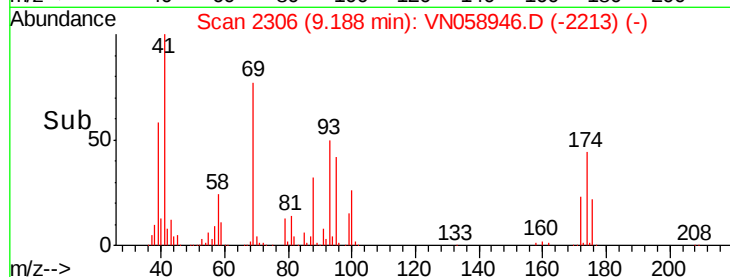
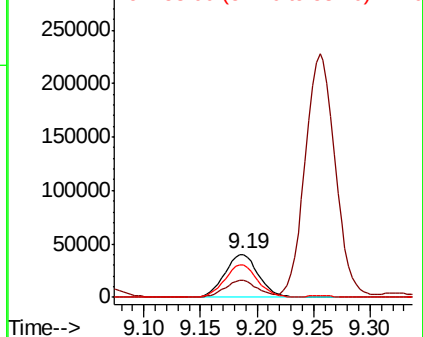
#49
1,4-Dioxane
Concen: 1186.196 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 83985
Ion Ratio Lower Upper
88 100
43 37.0 29.1 43.7
58 73.6 59.4 89.0

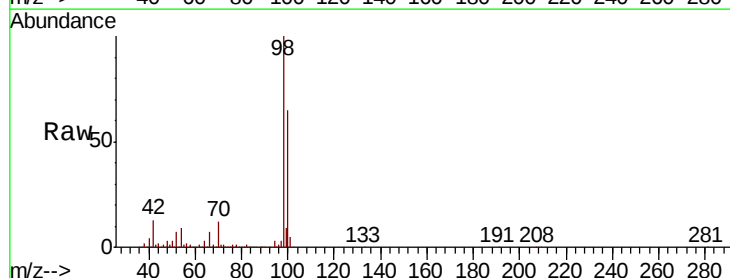


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

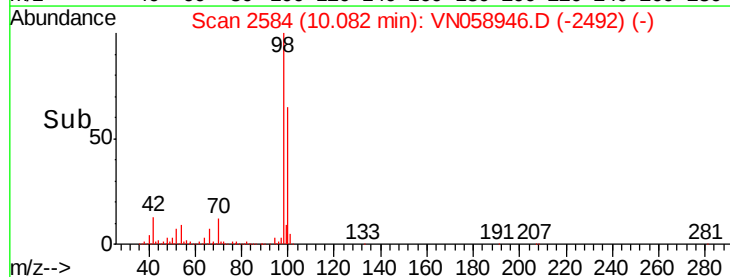
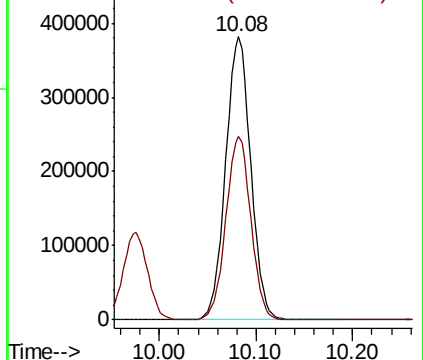


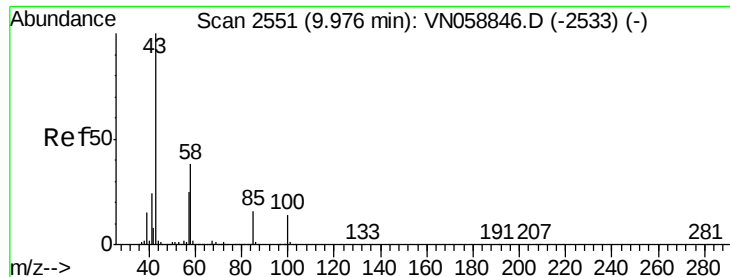
#50
Toluene-d8
Concen: 50.687 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 98 Resp: 687383
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



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: 292.192 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

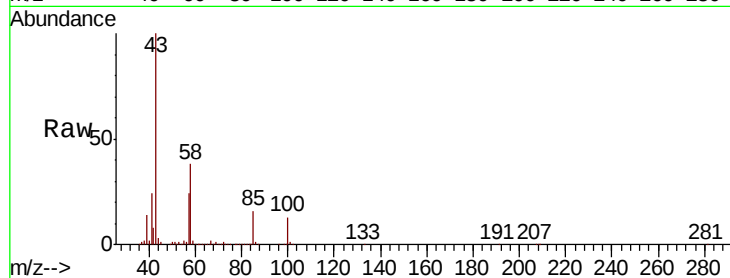
VSTDCCC050

Tot Ion: 43 Resp: 1622425

Ion Ratio Lower Upper

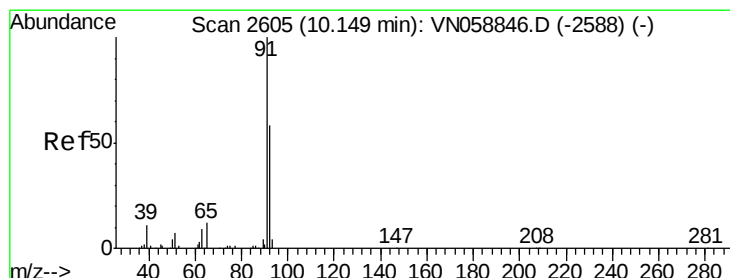
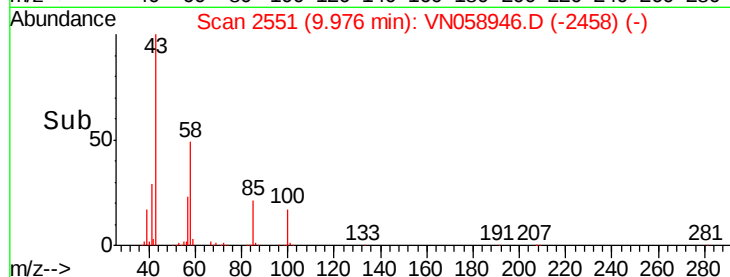
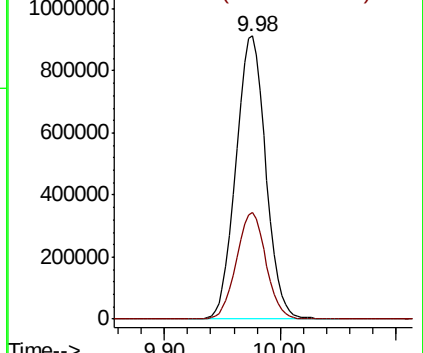
43 100

58 37.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.081 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058946.D

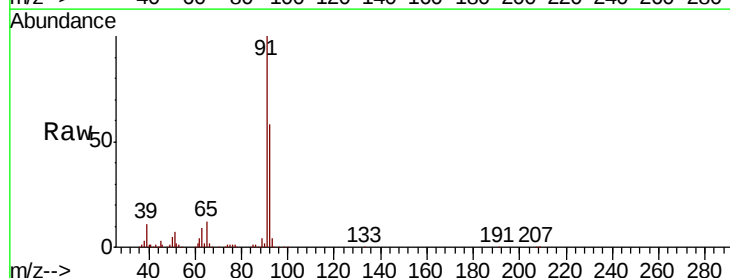
Acq: 24 Oct 2019 9:27

Tgt Ion: 92 Resp: 512308

Ion Ratio Lower Upper

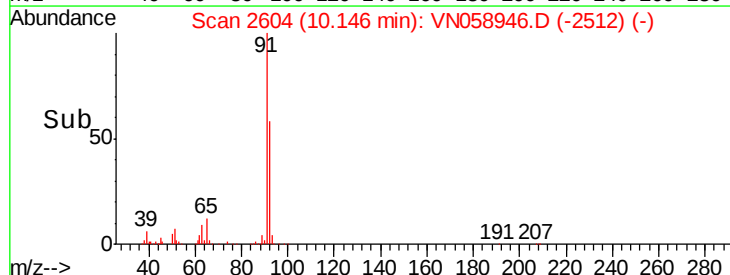
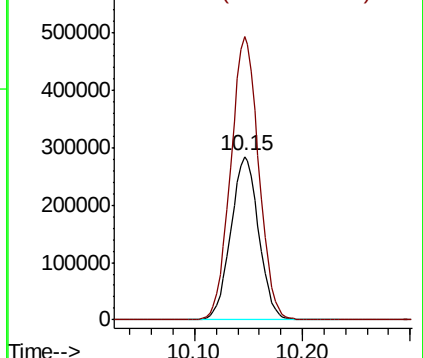
92 100

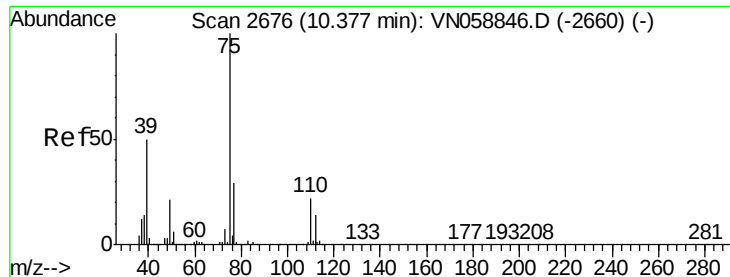
91 174.7 138.9 208.3



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: 53.842 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

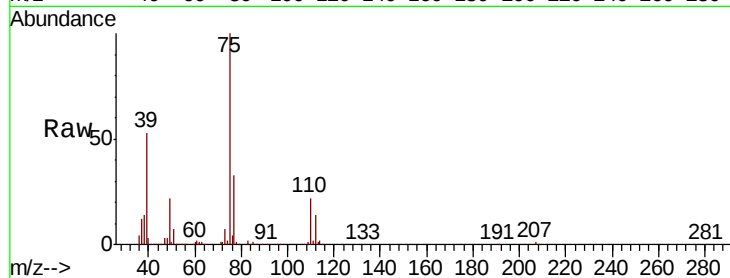
VSTDCCC050

Tot Ion: 75 Resp: 340185

Ion Ratio Lower Upper

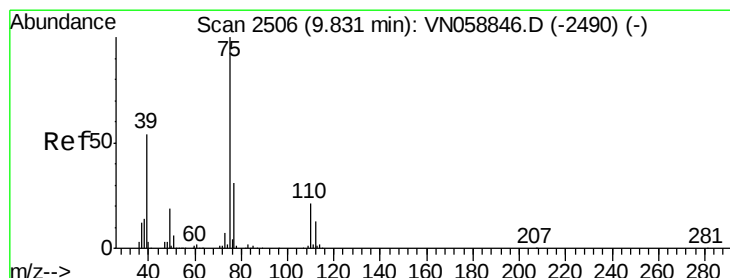
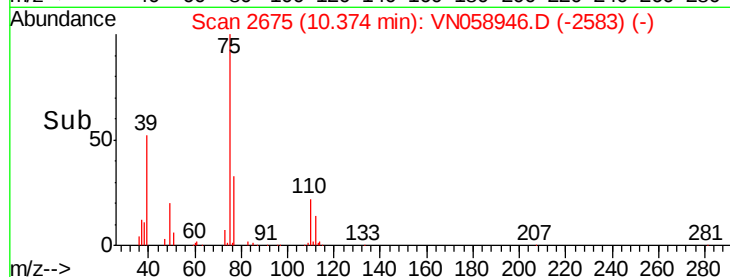
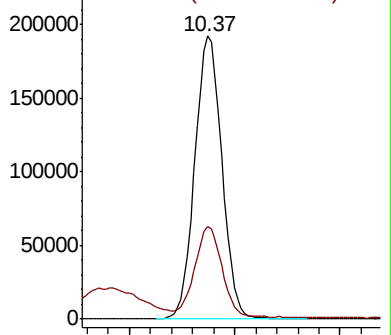
75 100

77 32.1 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.704 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

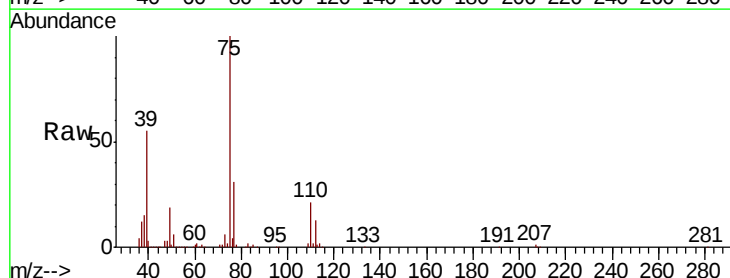
Tgt Ion: 75 Resp: 362519

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

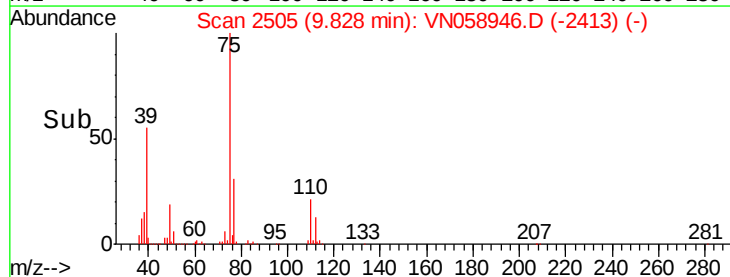
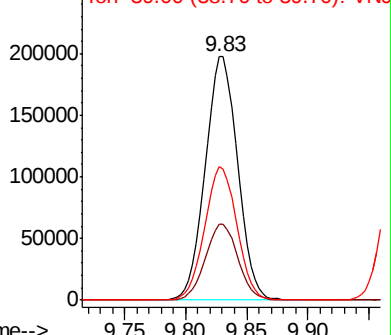
39 54.6 43.5 65.3

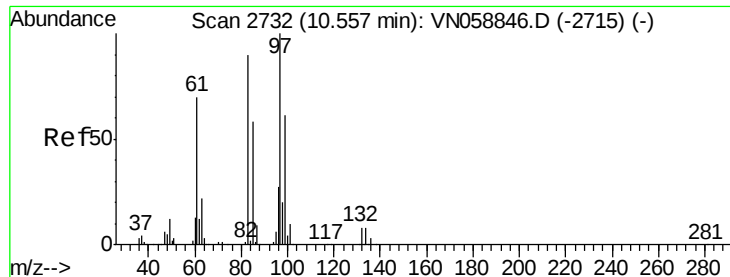


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

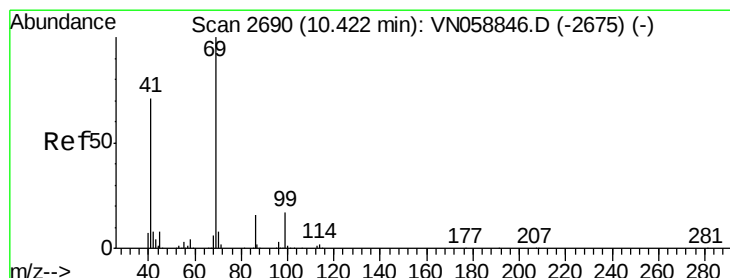
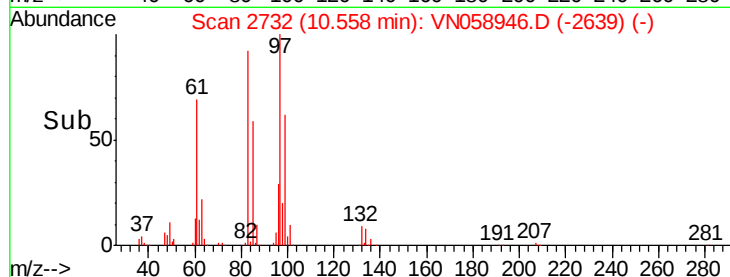
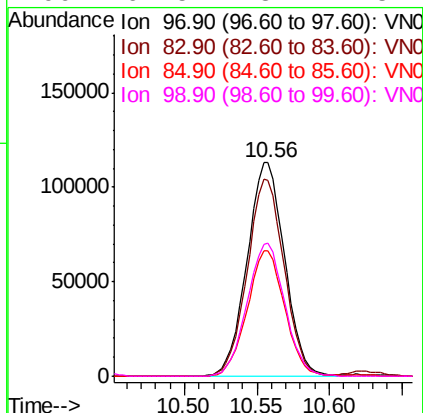
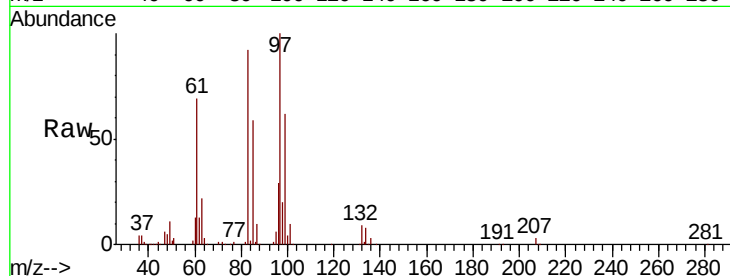




#55
 1,1,2-Trichloroethane
 Concen: 51.956 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

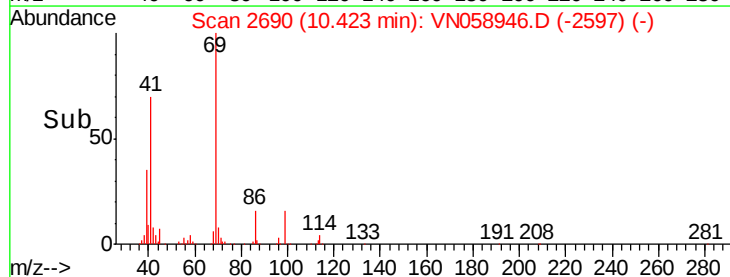
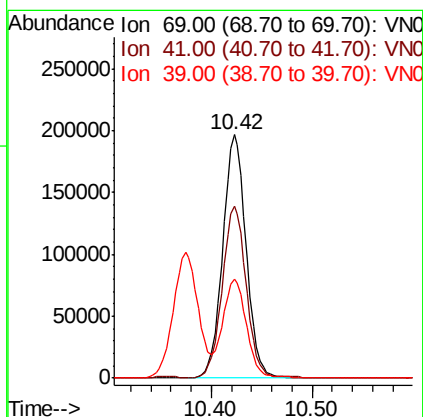
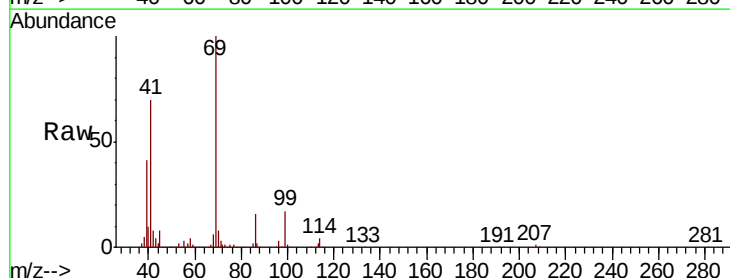
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	202755
Ion	Ratio	Lower	Upper
97	100		
83	92.0	72.2	108.4
85	59.0	46.2	69.2
99	62.5	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 48.741 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion:	69	Resp:	319149
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.2	85.8
39	41.0	31.0	46.4





#57

1,3-Dichloropropane

Concen: 52.682 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

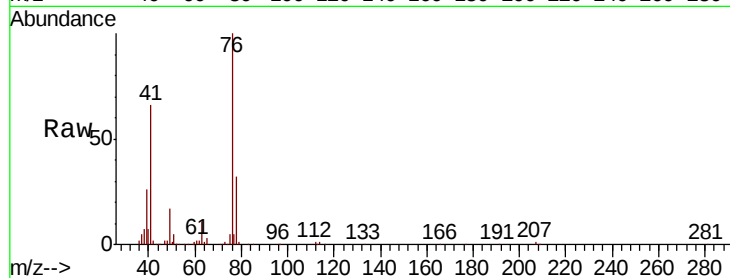
VSTDCCC050

Tot Ion: 76 Resp: 360832

Ion Ratio Lower Upper

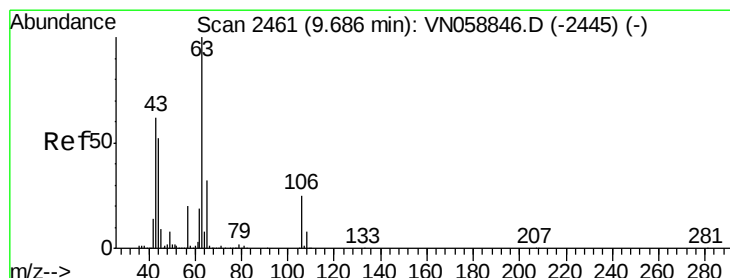
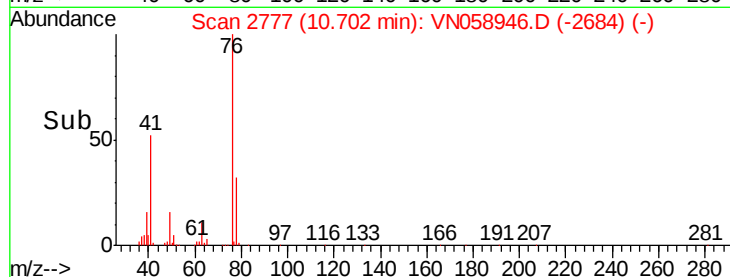
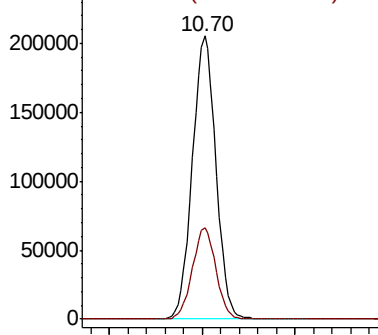
76 100

78 32.4 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 252.220 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058946.D

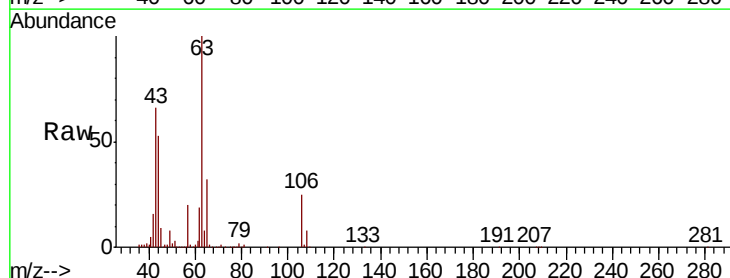
Acq: 24 Oct 2019 9:27

Tgt Ion: 63 Resp: 698313

Ion Ratio Lower Upper

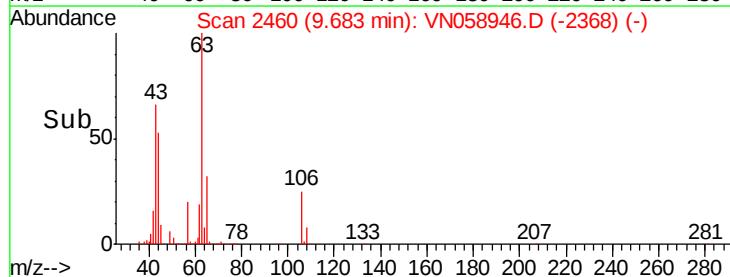
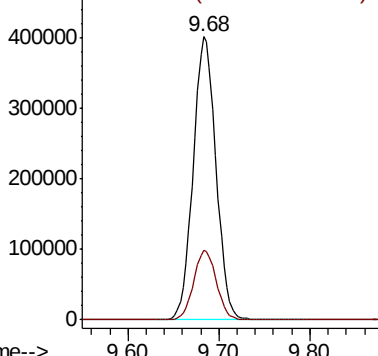
63 100

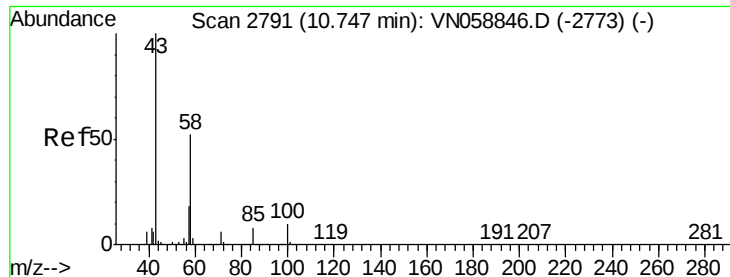
106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

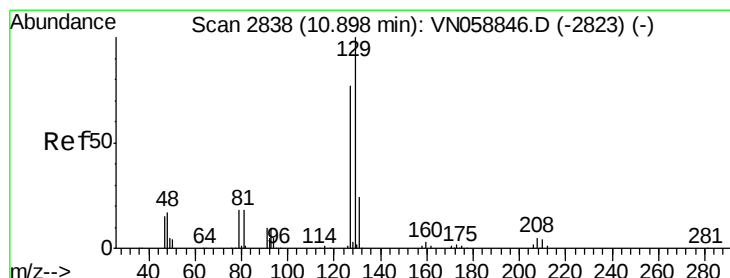
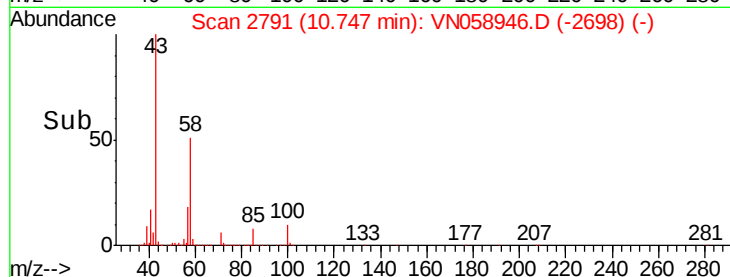
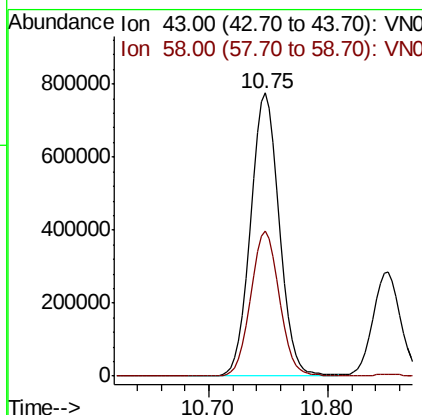
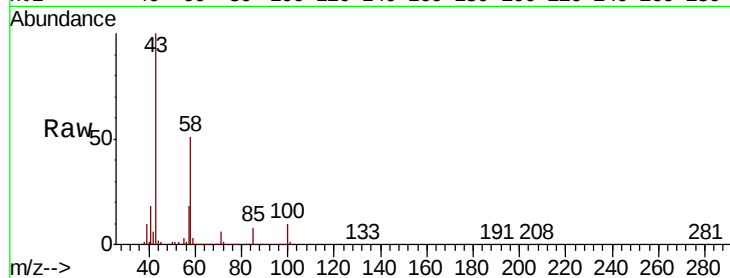




#59
2-Hexanone
Concen: 301.174 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

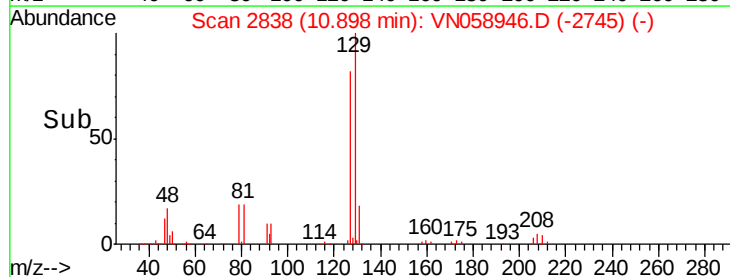
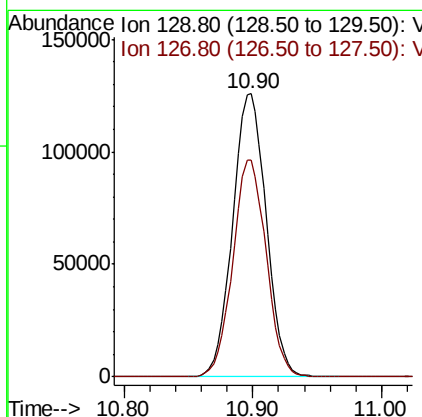
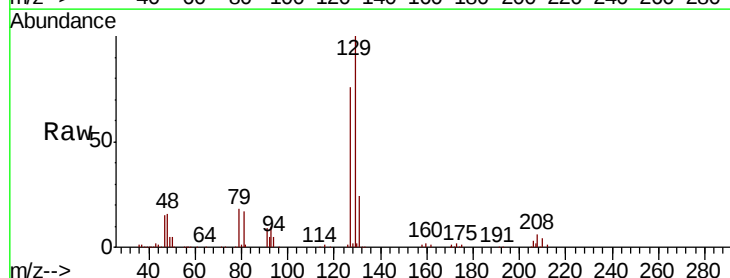
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

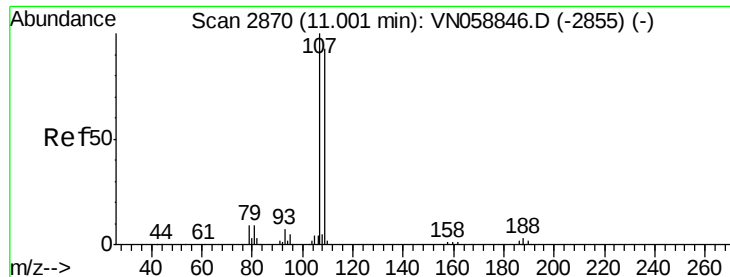
Tot Ion: 43 Resp: 1292239
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7



#60
Dibromochloromethane
Concen: 54.168 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 129 Resp: 227529
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.181 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

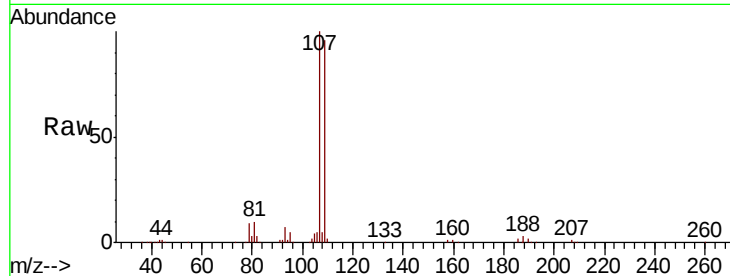
VSTDCCC050

Tot Ion:107 Resp: 212389

Ion Ratio Lower Upper

107 100

109 95.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

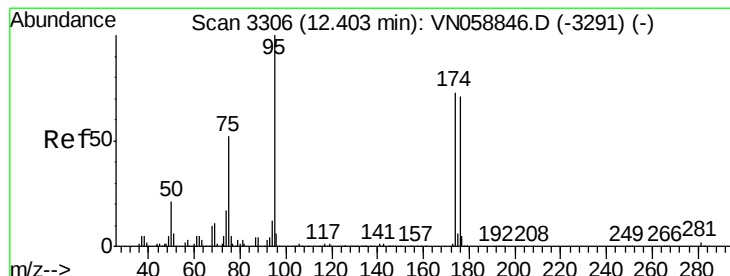
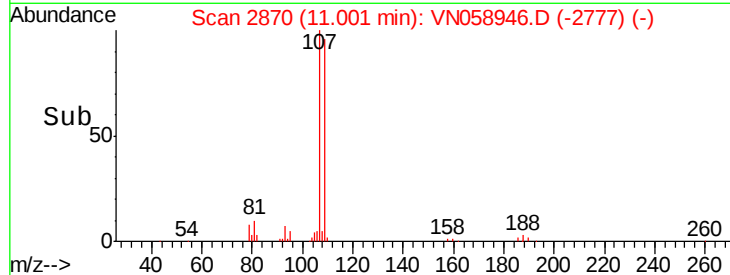
100000

50000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.398 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

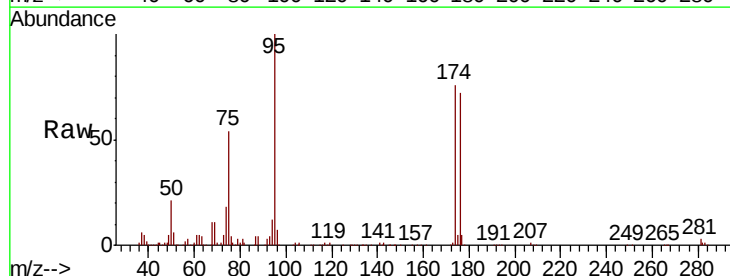
Tgt Ion: 95 Resp: 260944

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.6

176 73.3 0.0 143.2



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

200000

150000

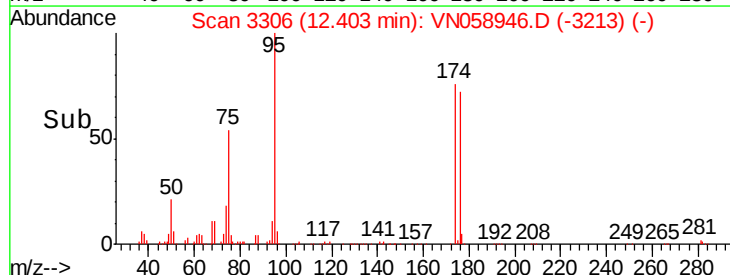
100000

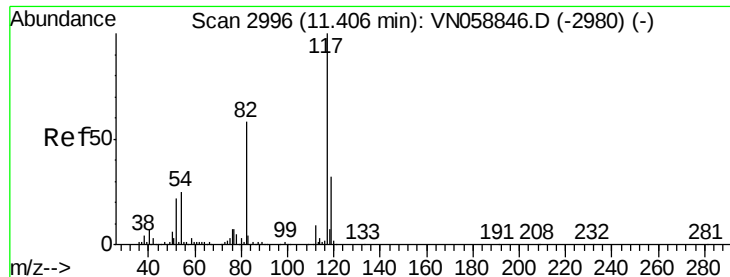
50000

0

Time-->

12.35 12.40 12.45

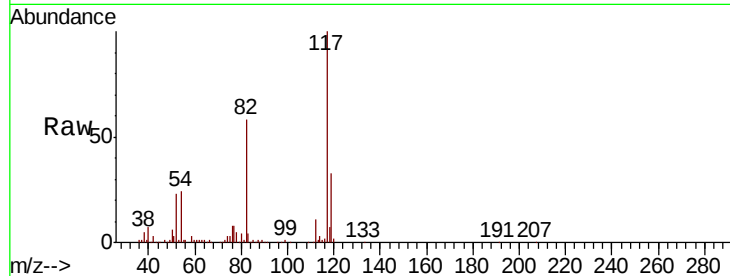




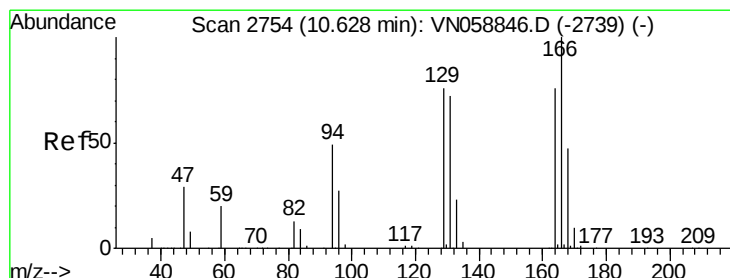
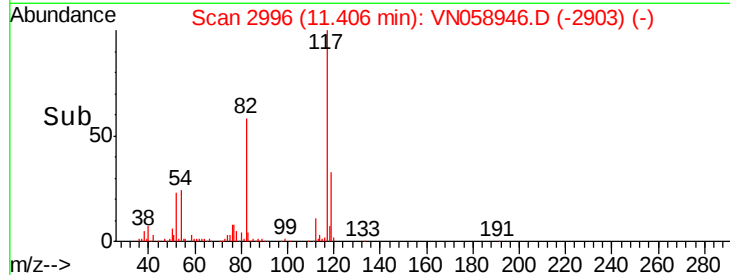
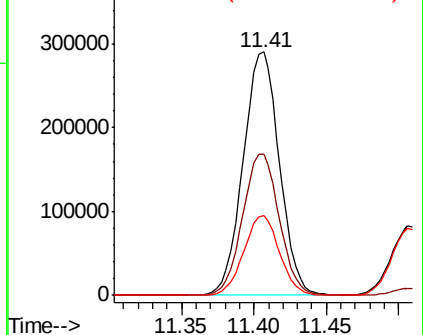
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 505465
Ion Ratio Lower Upper
117 100
82 57.9 46.6 69.8
119 32.9 25.6 38.4

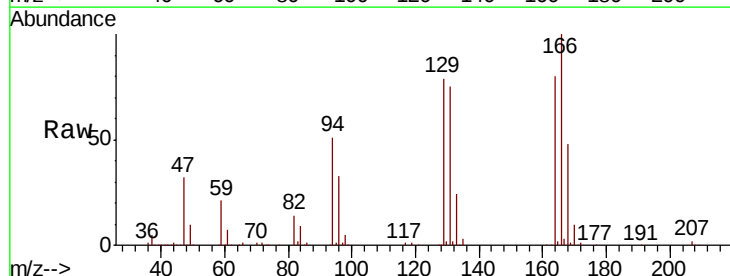


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

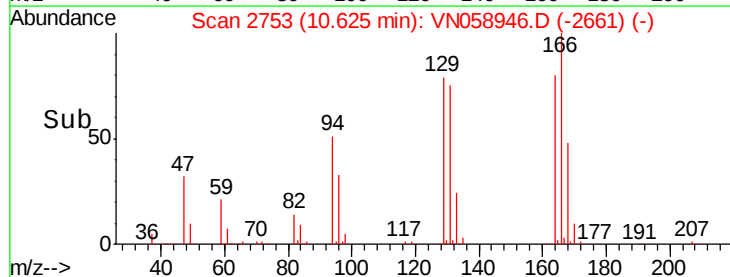
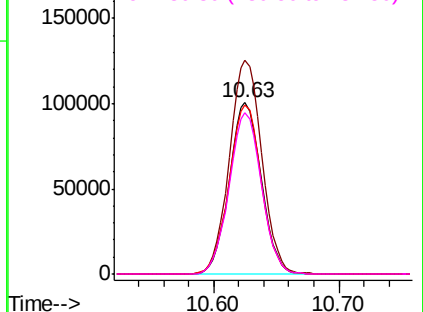


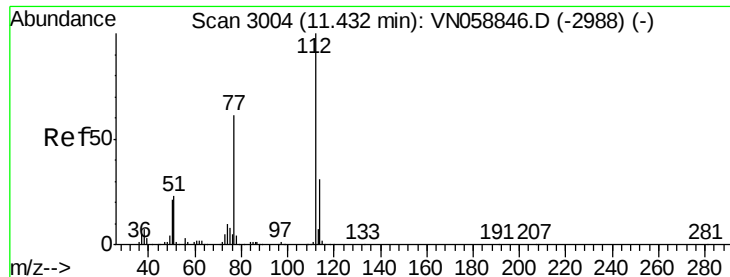
#64
Tetrachloroethene
Concen: 50.324 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:164 Resp: 178143
Ion Ratio Lower Upper
164 100
166 124.6 104.8 157.2
129 98.9 79.3 118.9
131 93.8 75.8 113.6



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

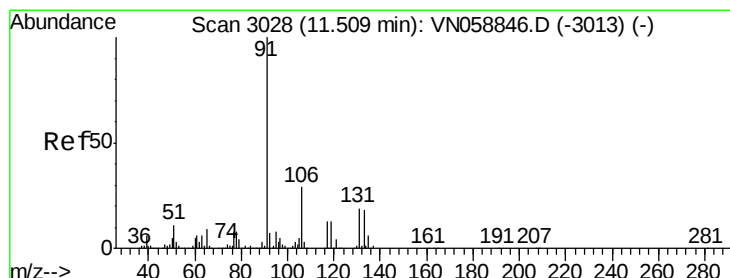
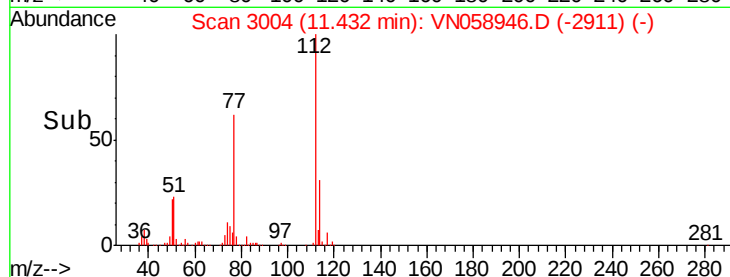
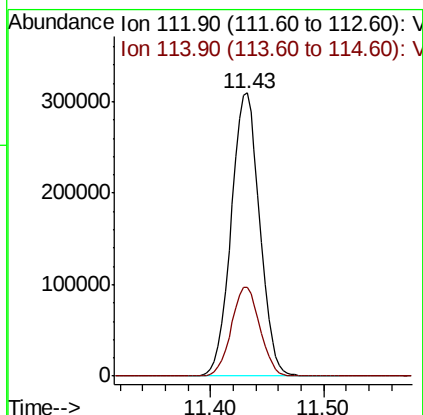
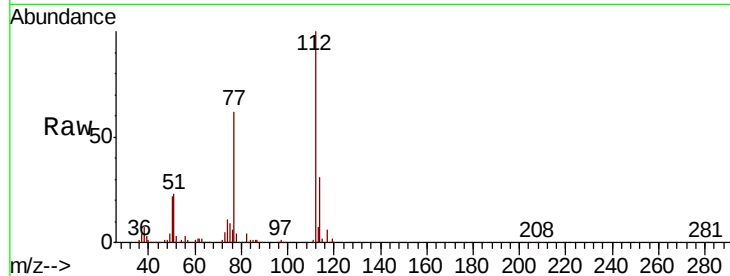




#65
Chlorobenzene
Concen: 52.637 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

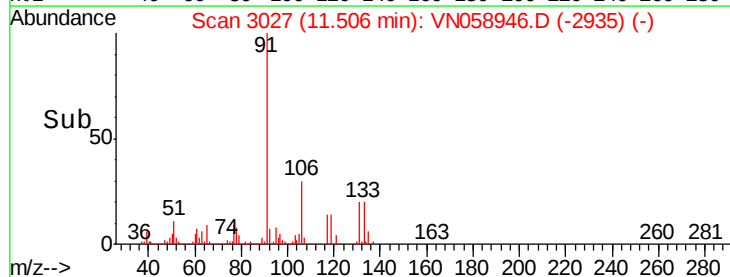
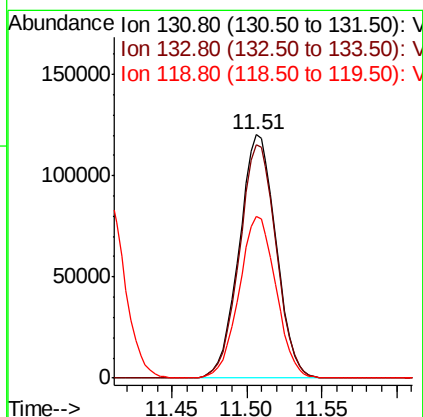
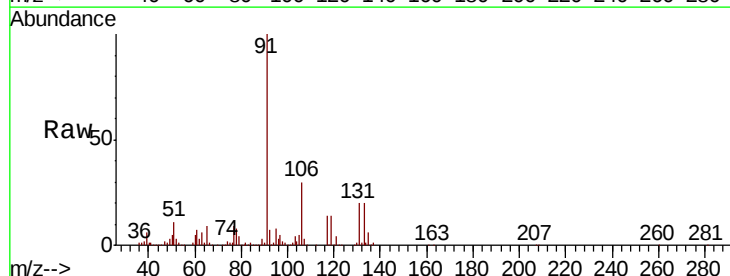
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

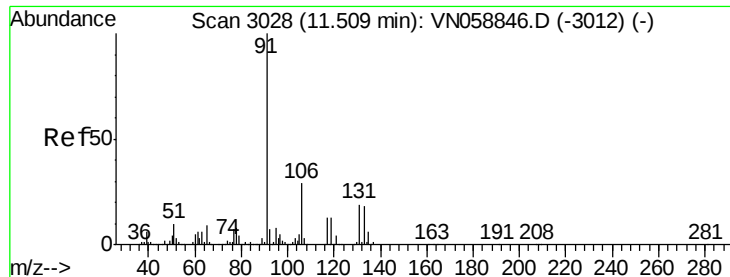
Tot Ion:112 Resp: 541668
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.009 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:131 Resp: 205846
Ion Ratio Lower Upper
131 100
133 96.0 48.4 145.2
119 66.4 33.6 100.8





#67

Ethyl Benzene

Concen: 55.176 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

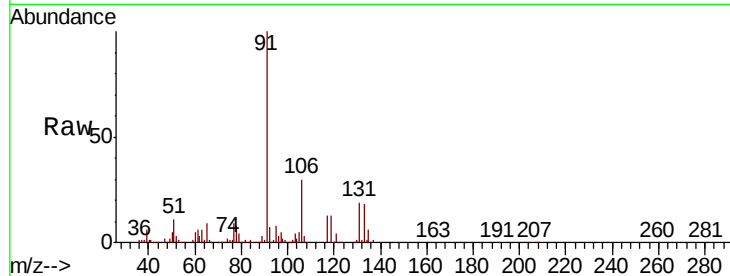
VSTDCCC050

Tot Ion: 91 Resp: 996048

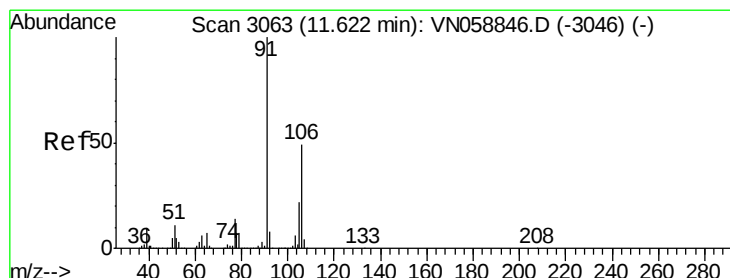
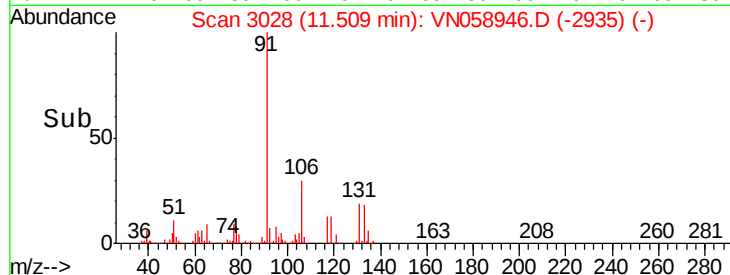
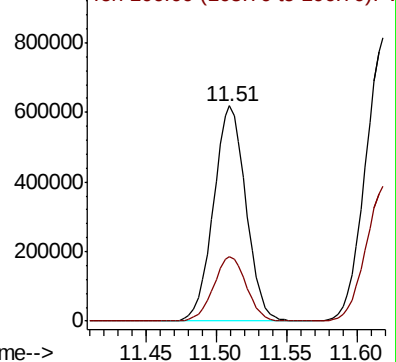
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 111.635 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058946.D

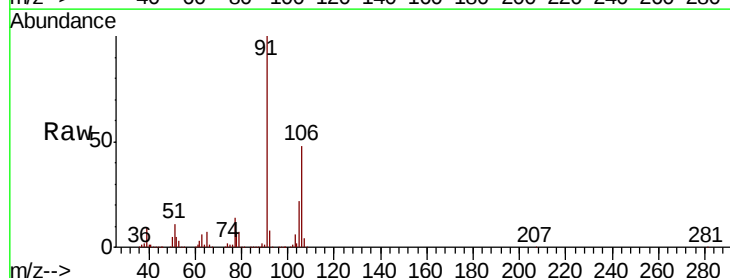
Acq: 24 Oct 2019 9:27

Tgt Ion: 106 Resp: 747348

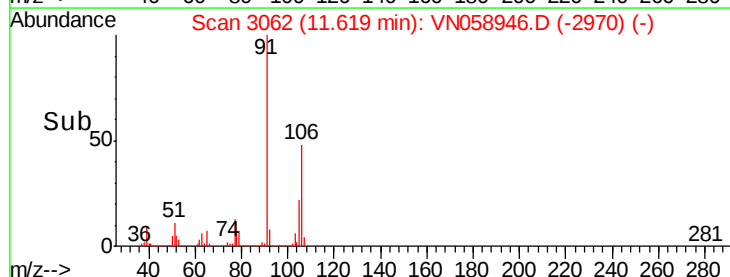
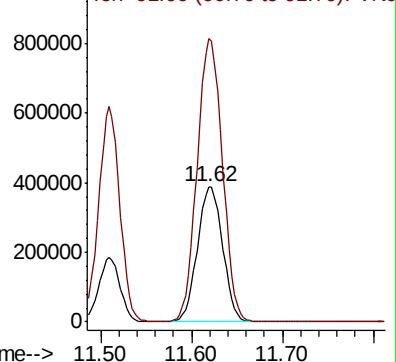
Ion Ratio Lower Upper

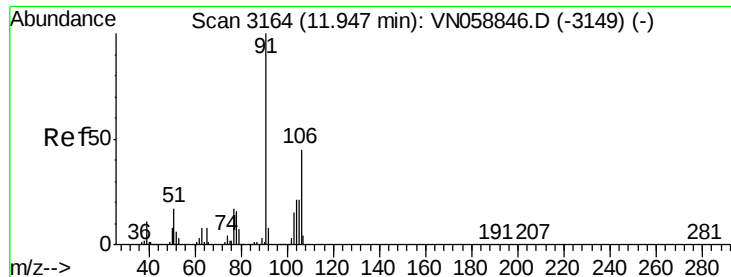
106 100

91 209.6 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

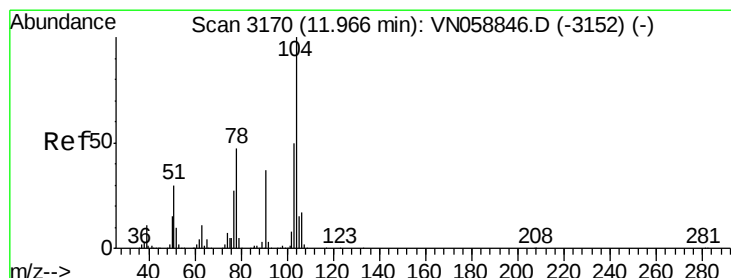
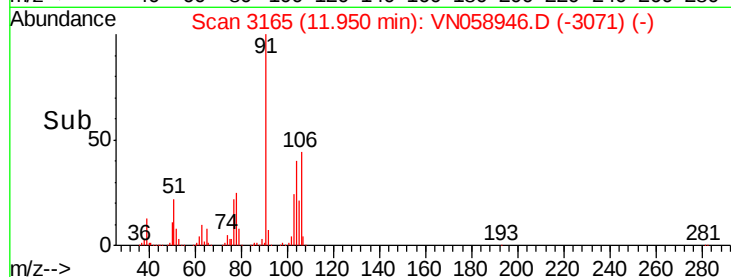
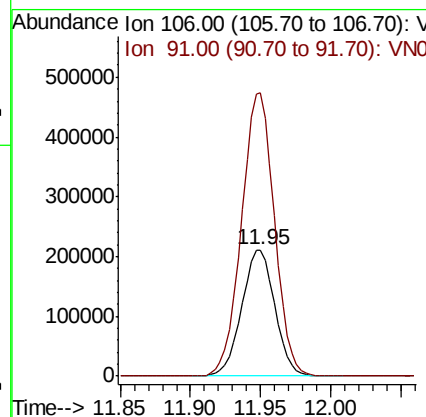
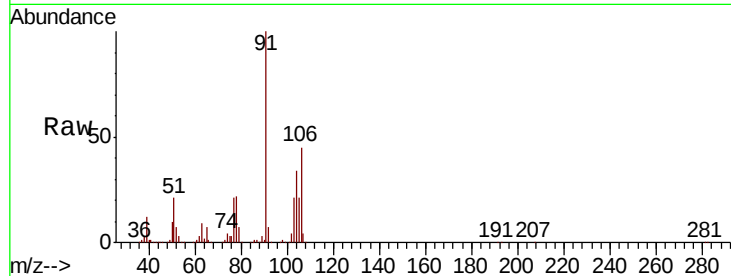




#69
o-Xylene
Concen: 54.336 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

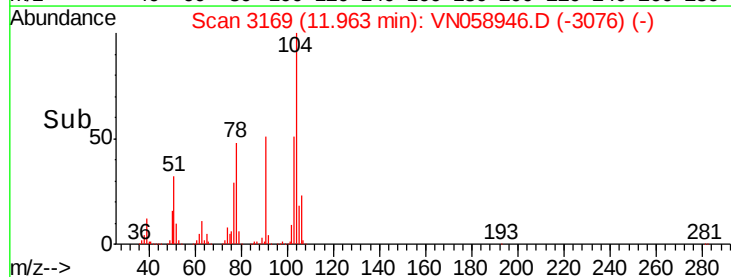
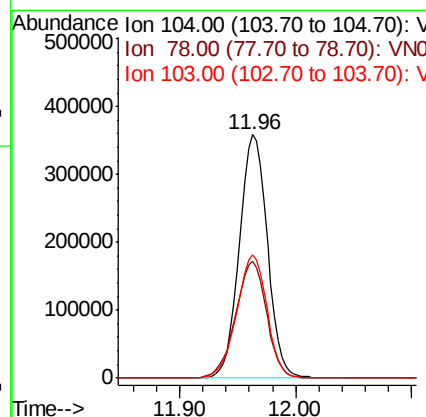
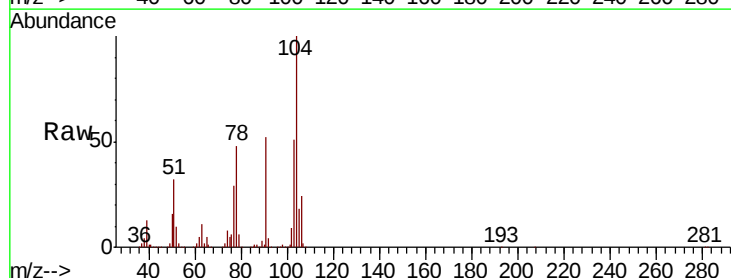
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

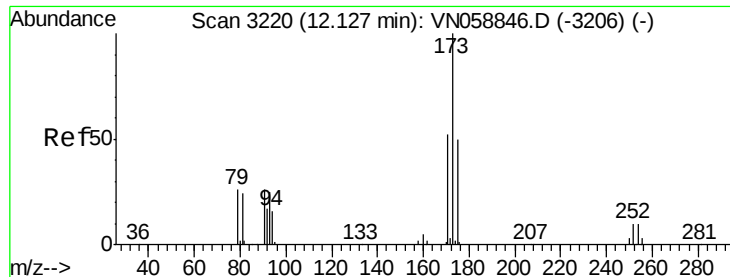
Tot Ion:106 Resp: 346925
Ion Ratio Lower Upper
106 100
91 223.4 111.5 334.4



#70
Styrene
Concen: 50.928 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:104 Resp: 600596
Ion Ratio Lower Upper
104 100
78 52.9 42.8 64.2
103 54.7 44.3 66.5

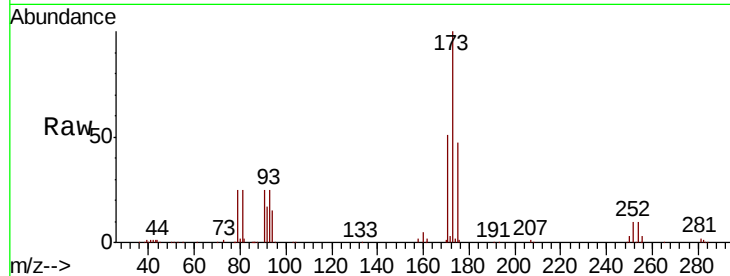




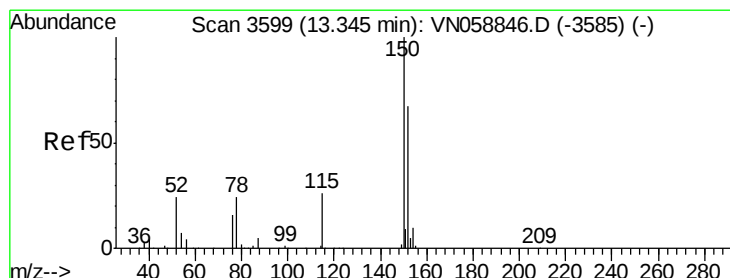
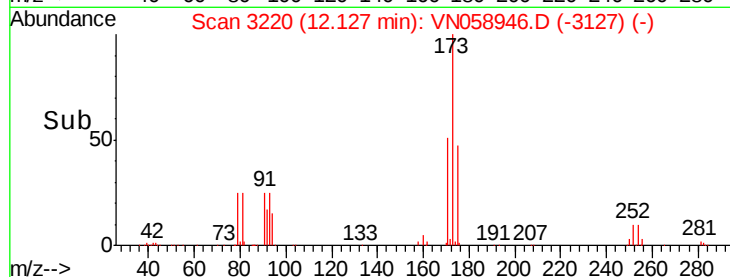
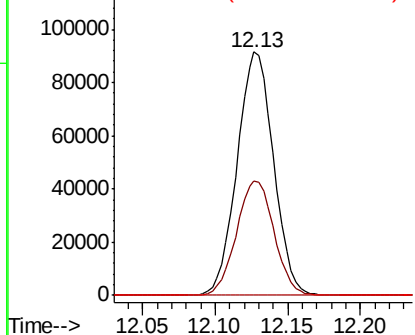
#71
Bromoform
Concen: 53.119 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 159953
Ion Ratio Lower Upper
173 100
175 48.5 24.7 74.1
254 0.1 0.0 0.0#

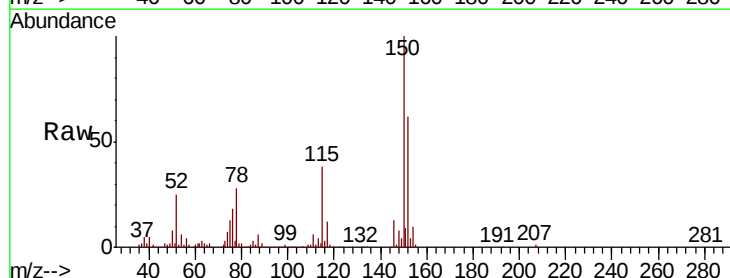


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

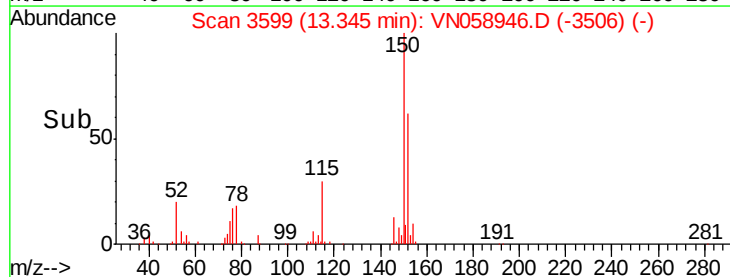
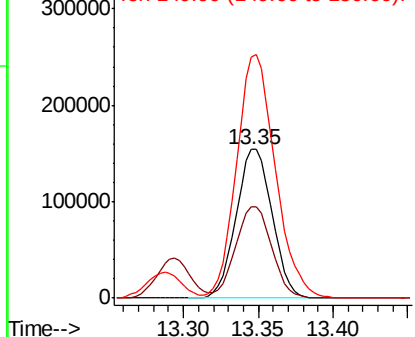


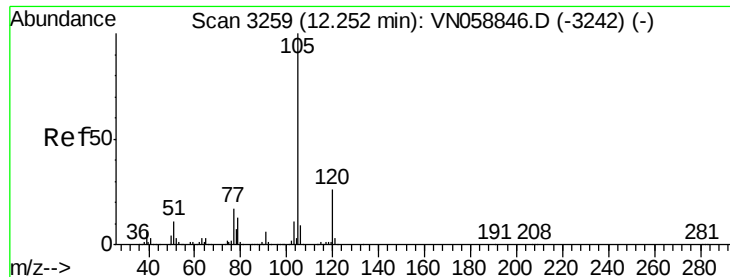
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:152 Resp: 259017
Ion Ratio Lower Upper
152 100
115 61.6 30.5 91.5
150 175.4 0.0 344.4



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





#73

Isopropylbenzene

Concen: 51.130 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

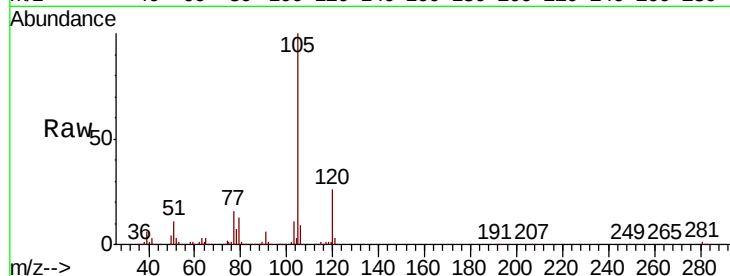
VSTDCCC050

Tot Ion:105 Resp: 967857

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

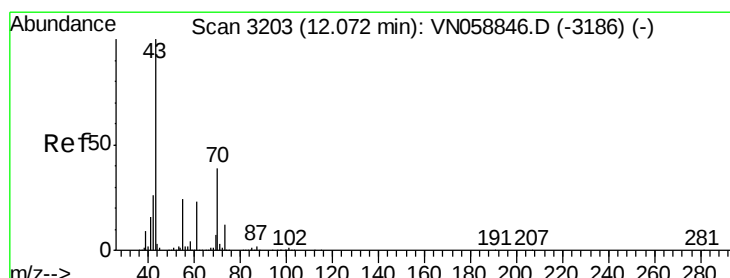
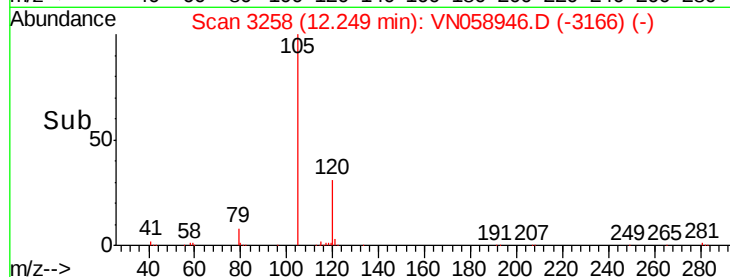
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.877 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion: 43 Resp: 453776

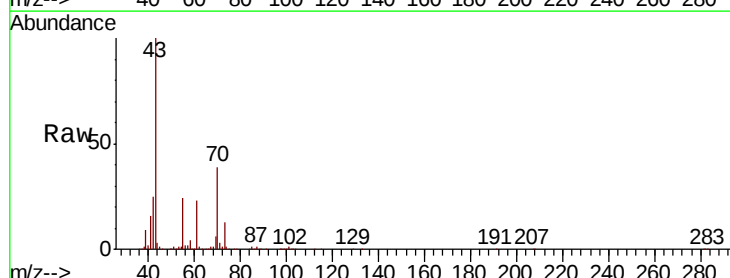
Ion Ratio Lower Upper

43 100

70 39.4 30.9 46.3

55 25.0 19.7 29.5

61 22.9 18.2 27.4



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

400000

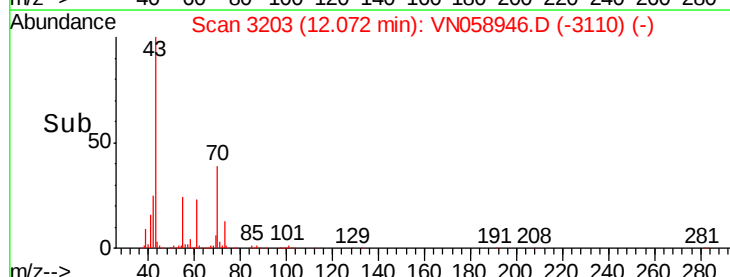
300000

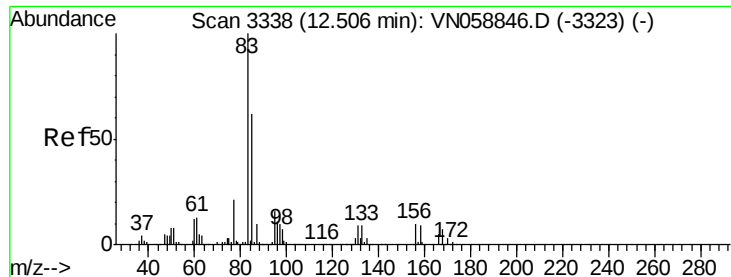
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.527 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

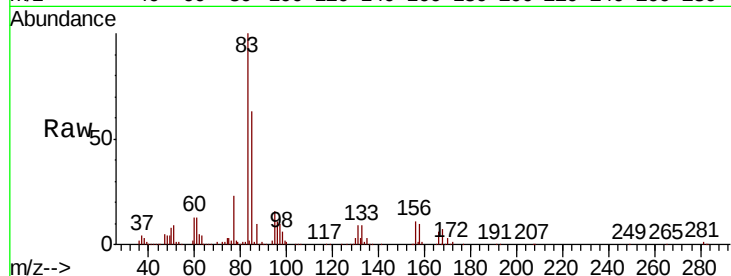
Tot Ion: 83 Resp: 322994

Ion Ratio Lower Upper

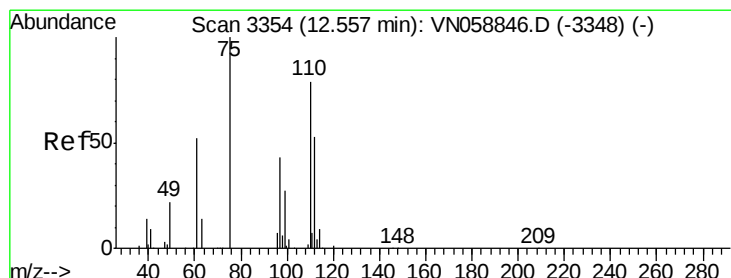
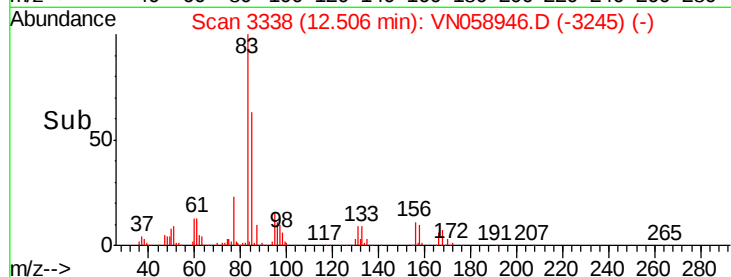
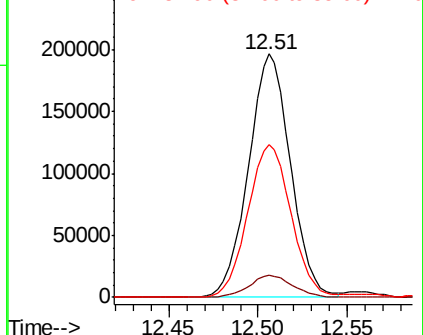
83 100

131 9.5 4.7 14.1

85 64.7 31.7 95.1



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



#76

1,2,3-Trichloropropane

Concen: 73.547 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058946.D

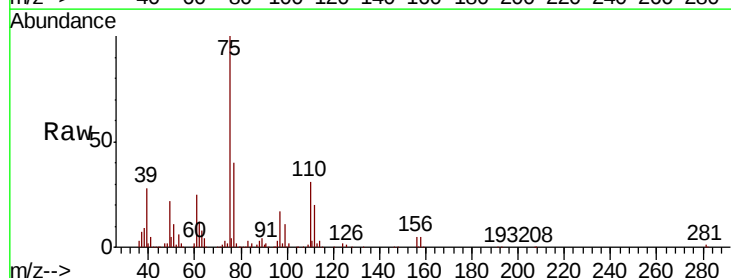
Acq: 24 Oct 2019 9:27

Tgt Ion: 75 Resp: 441503

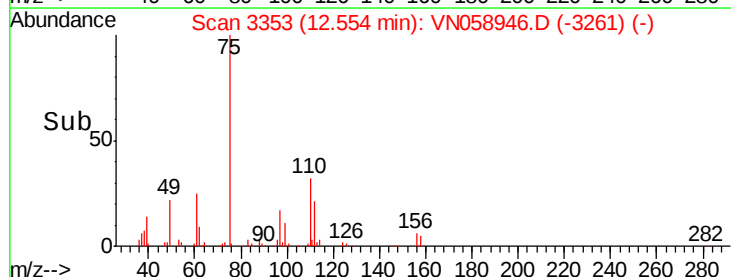
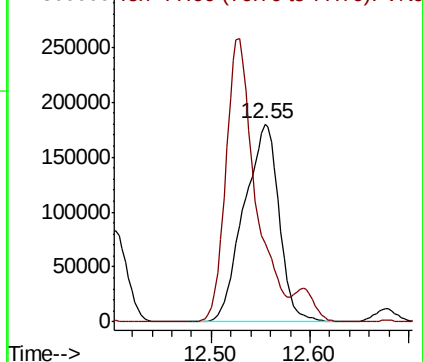
Ion Ratio Lower Upper

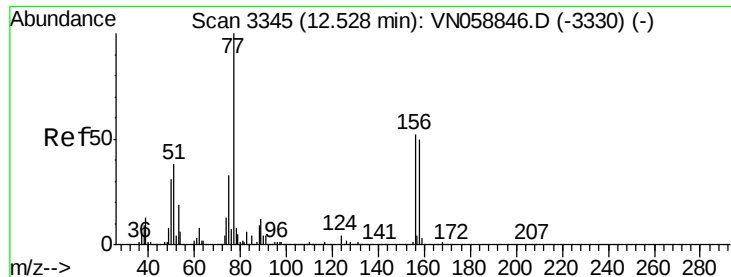
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.656 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

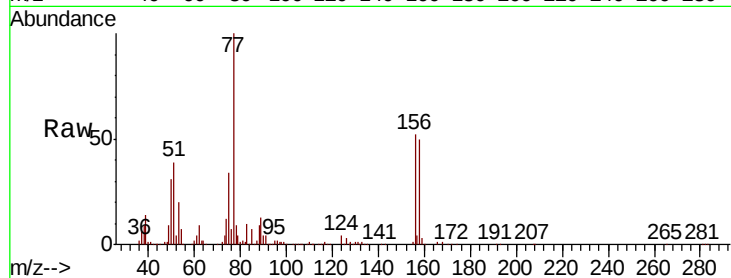
Tot Ion:156 Resp: 231682

Ion Ratio Lower Upper

156 100

77 234.5 118.0 354.0

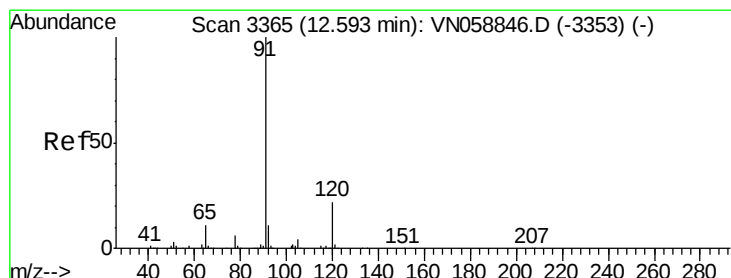
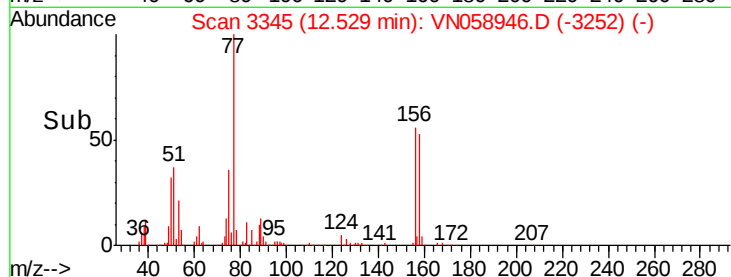
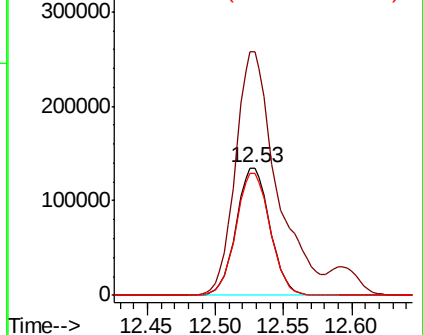
158 97.1 48.3 144.8



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: 52.703 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058946.D

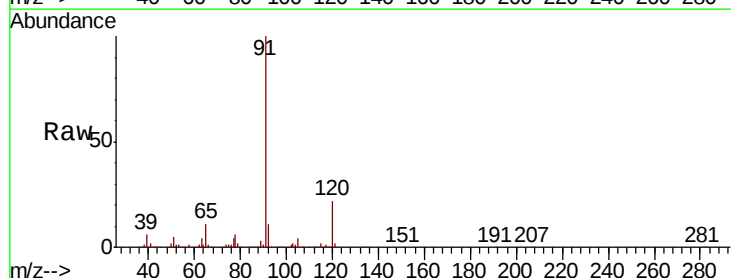
Acq: 24 Oct 2019 9:27

Tgt Ion: 91 Resp: 1179230

Ion Ratio Lower Upper

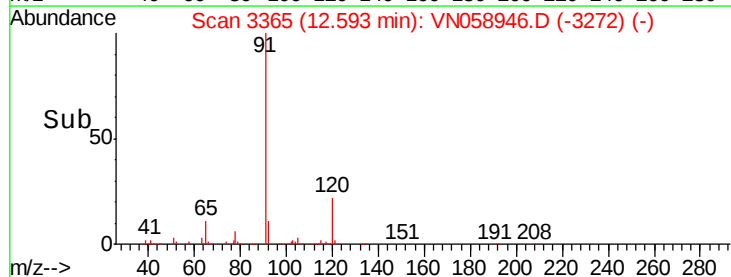
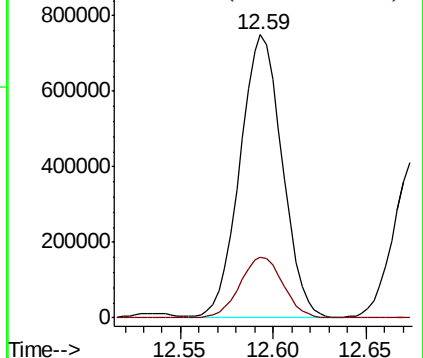
91 100

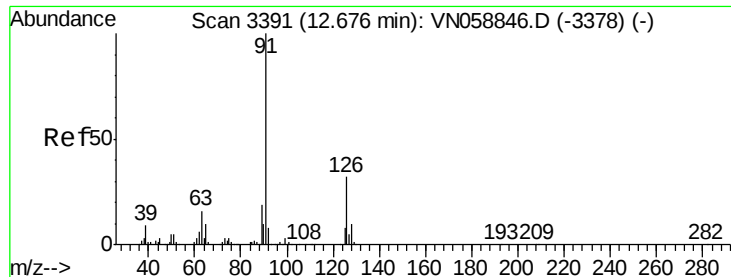
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

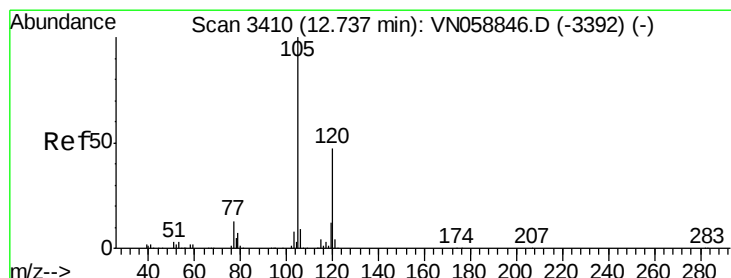
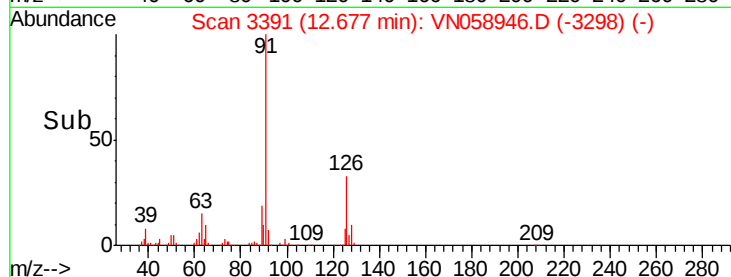
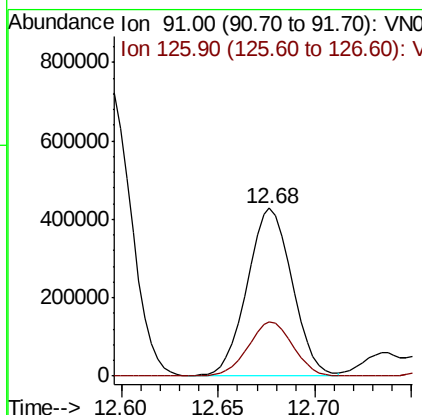
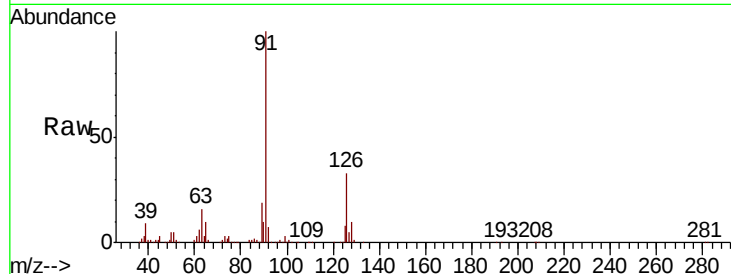




#79
 2-Chlorotoluene
 Concen: 50.338 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

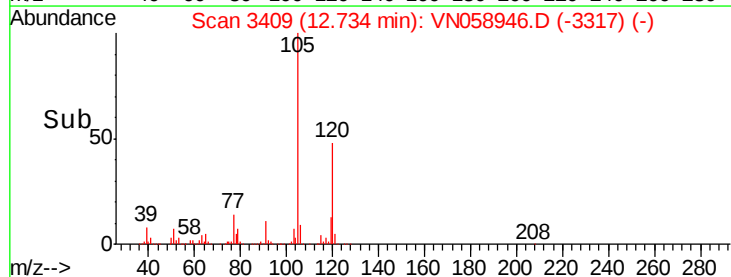
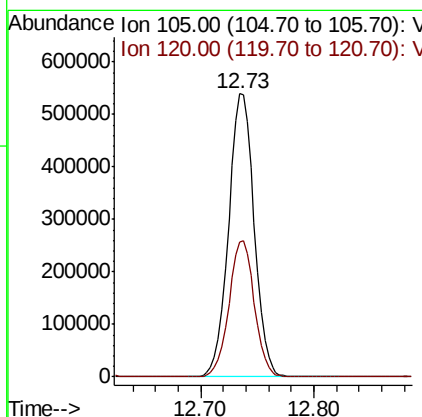
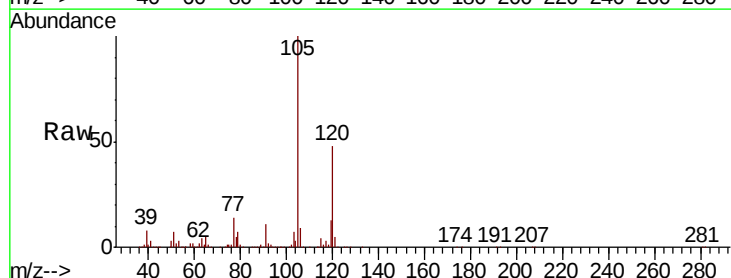
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 689358
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 53.156 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 105 Resp: 845391
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.270 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

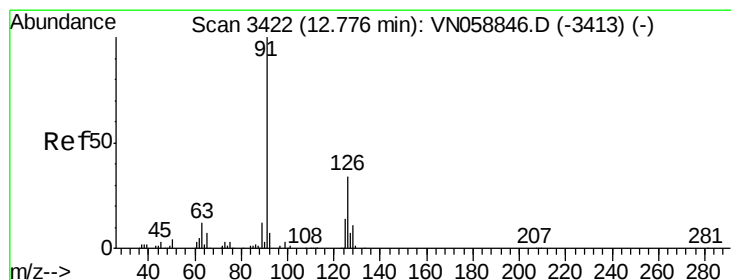
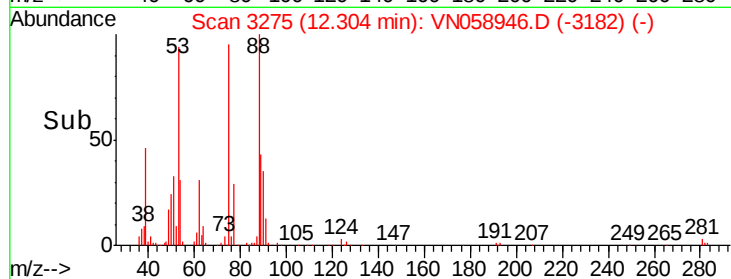
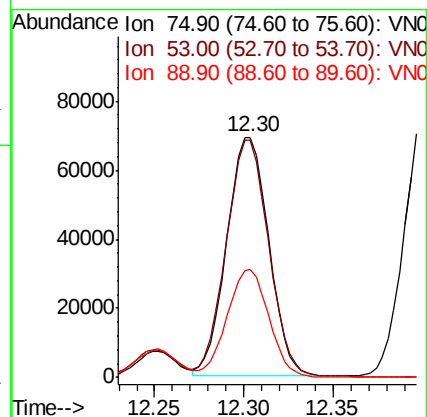
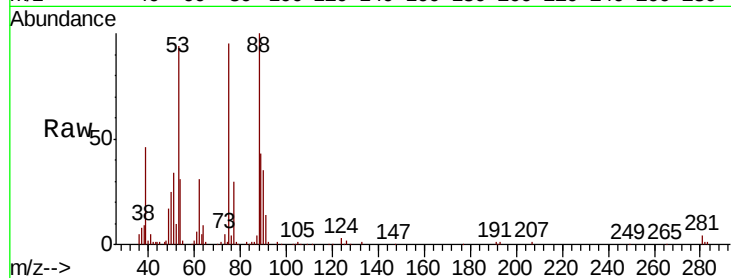
Tot Ion: 75 Resp: 113536

Ion Ratio Lower Upper

75 100

53 100.5 78.6 118.0

89 44.7 35.4 53.0



#82

4-Chlorotoluene

Concen: 51.584 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058946.D

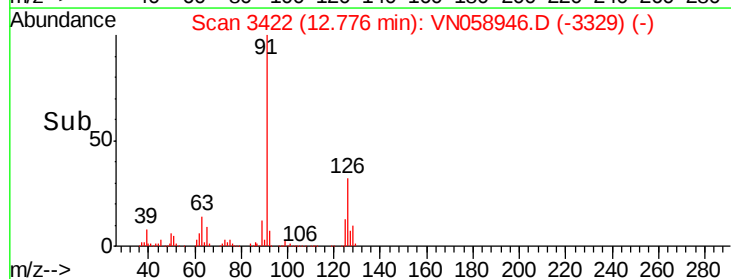
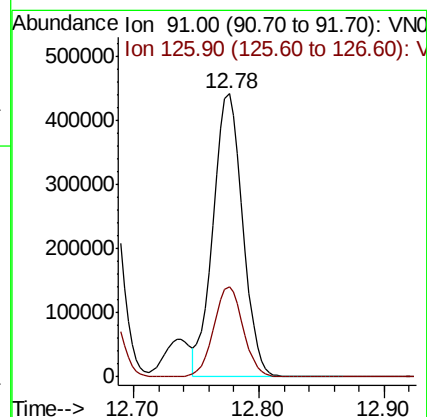
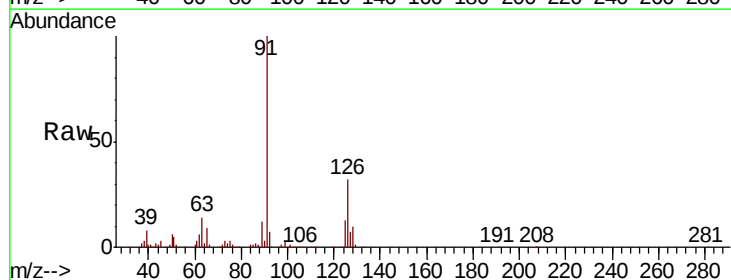
Acq: 24 Oct 2019 9:27

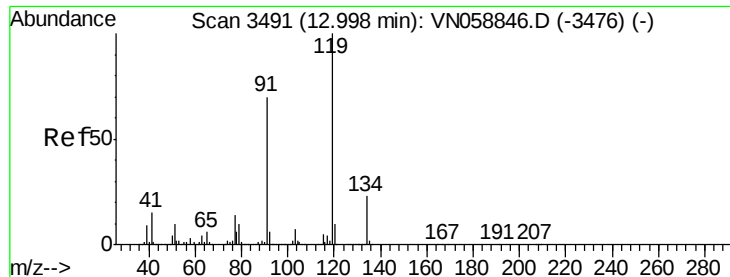
Tgt Ion: 91 Resp: 721912

Ion Ratio Lower Upper

91 100

126 31.7 16.0 47.9





#83

tert-Butylbenzene

Concen: 51.365 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

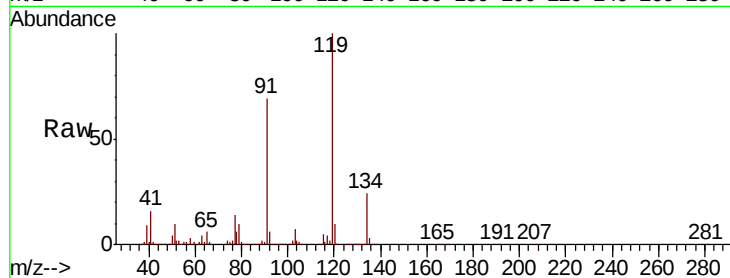
Tot Ion:119 Resp: 698574

Ion Ratio Lower Upper

119 100

91 67.9 34.1 102.3

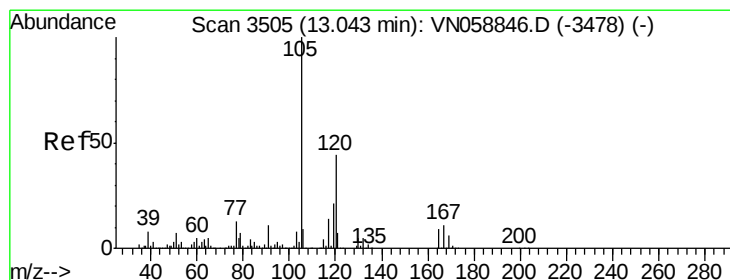
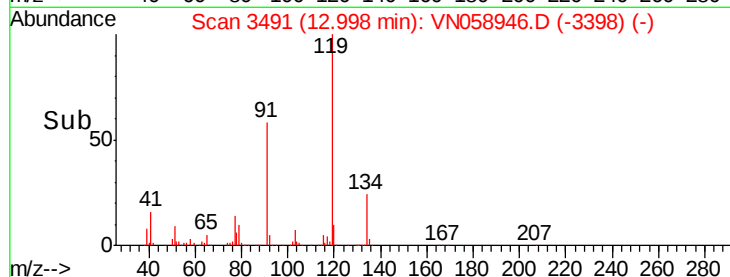
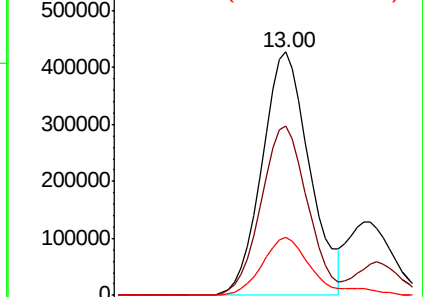
134 23.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.141 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058946.D

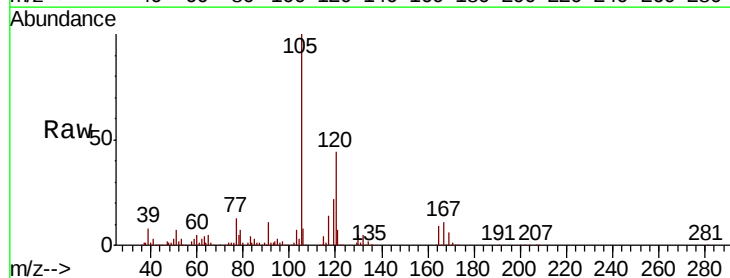
Acq: 24 Oct 2019 9:27

Tgt Ion:105 Resp: 864988

Ion Ratio Lower Upper

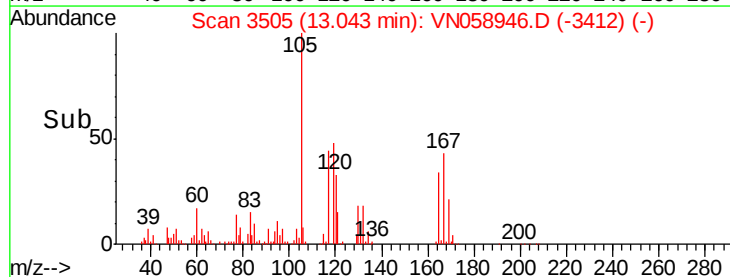
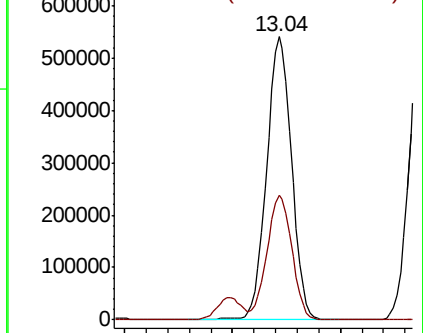
105 100

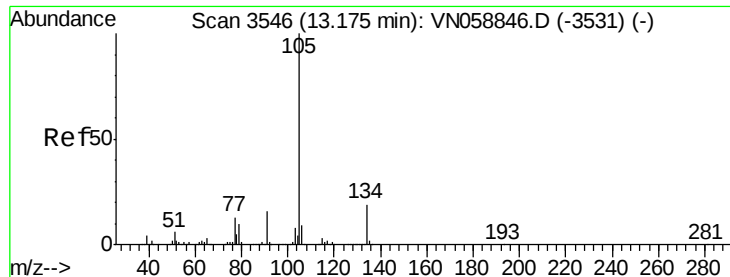
120 44.2 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.654 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

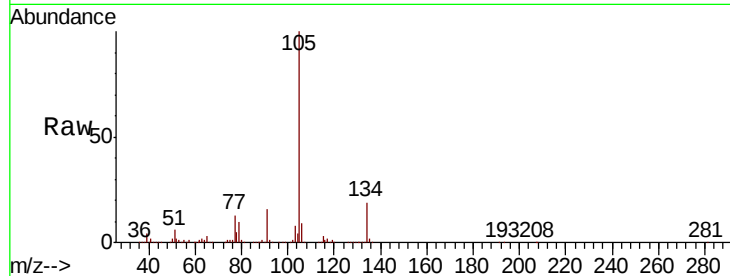
VSTDCCC050

Tot Ion:105 Resp: 972866

Ion Ratio Lower Upper

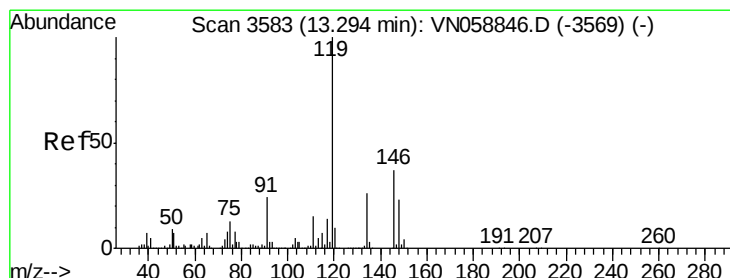
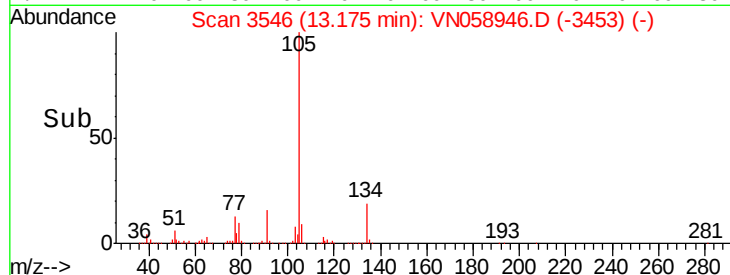
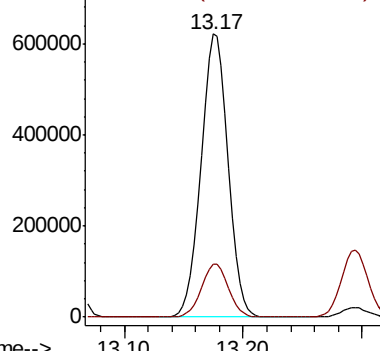
105 100

134 18.9 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: 55.802 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

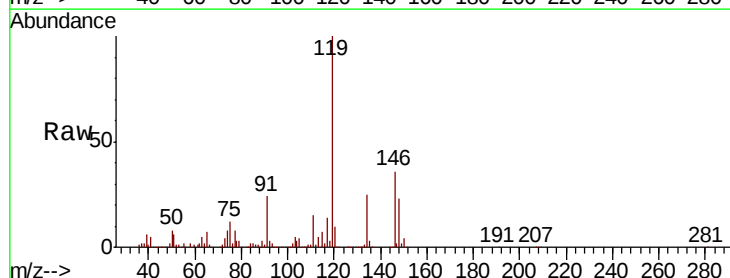
Tgt Ion:119 Resp: 892782

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

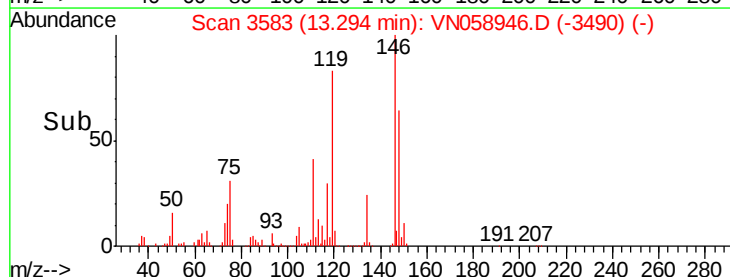
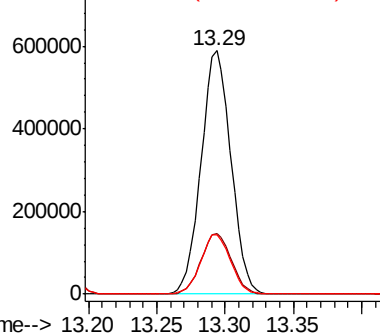
91 24.5 12.2 36.4

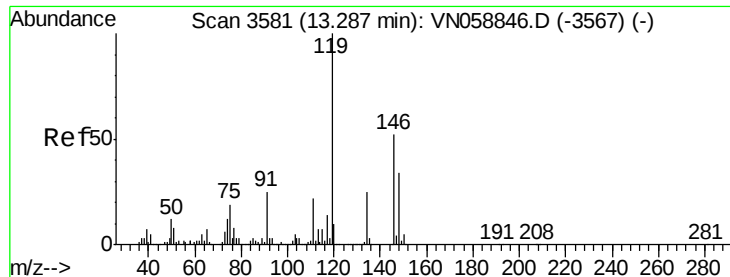


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

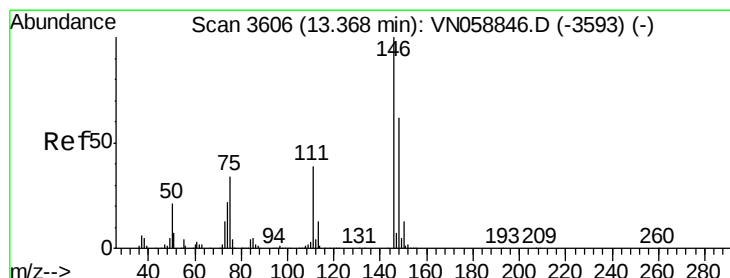
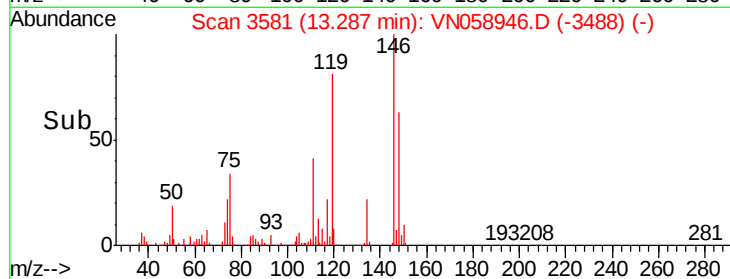
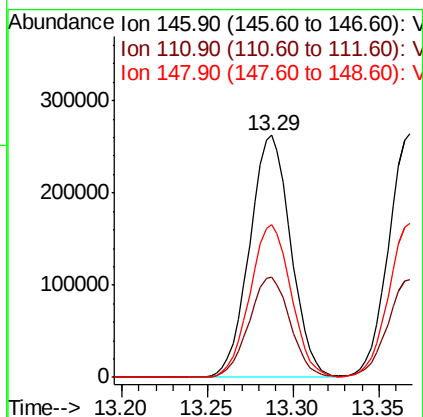
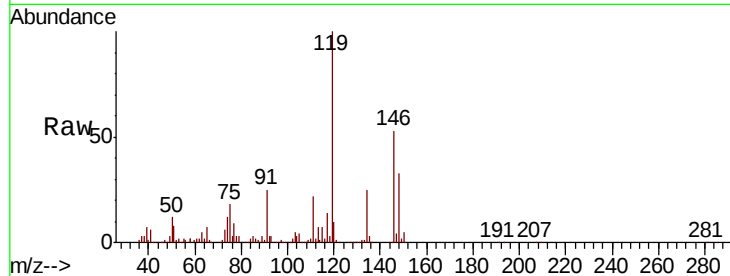




#87
 1,3-Dichlorobenzene
 Concen: 52.163 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

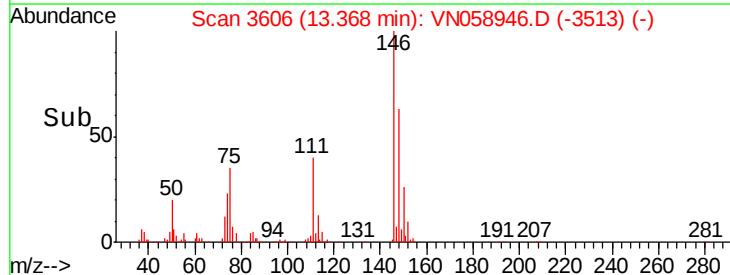
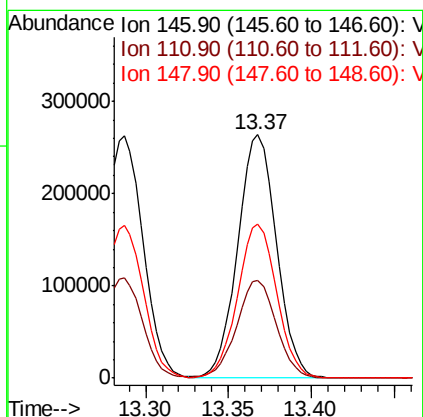
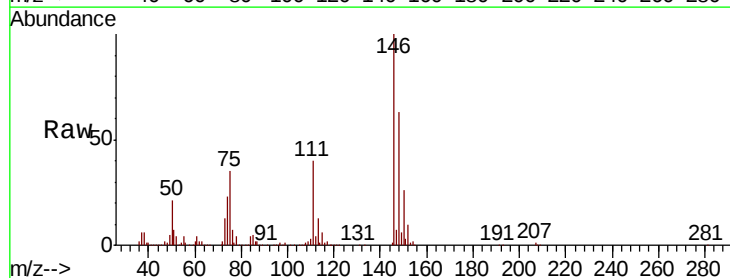
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

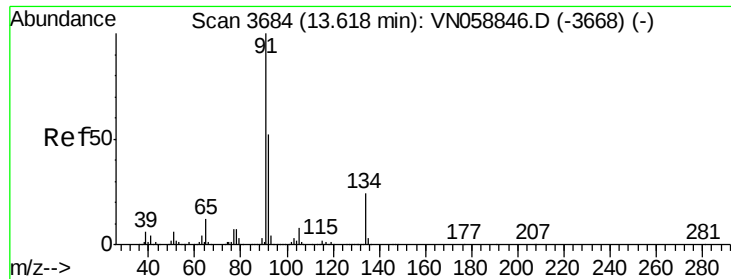
Tot Ion:146 Resp: 435183
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.0 63.0
 148 63.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 51.301 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion:146 Resp: 428500
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.2 60.6
 148 63.7 31.6 94.7





#89

n-Butylbenzene

Concen: 54.624 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

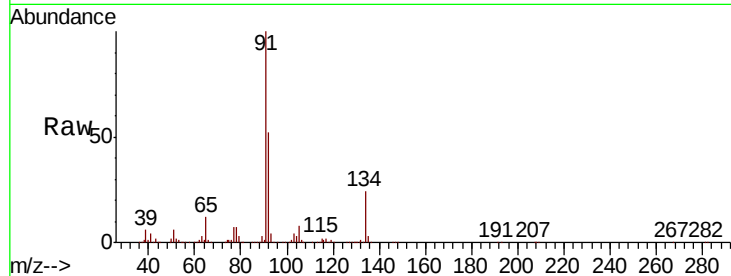
Tot Ion: 91 Resp: 802809

Ion Ratio Lower Upper

91 100

92 51.6 25.7 77.1

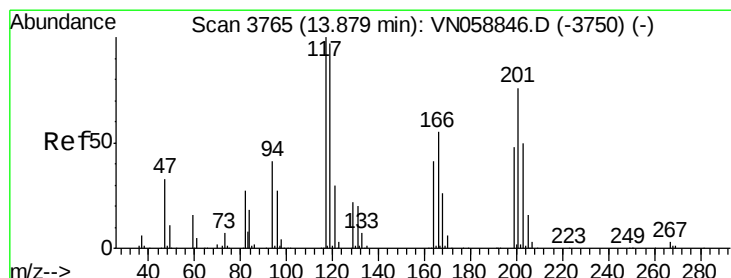
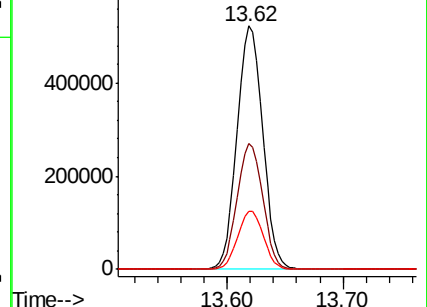
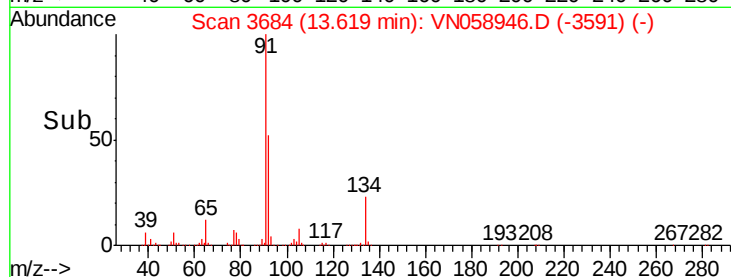
134 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.271 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058946.D

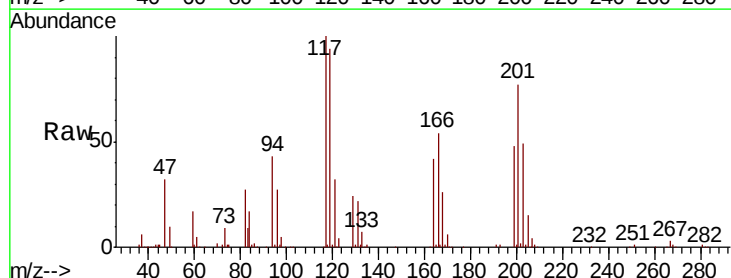
Acq: 24 Oct 2019 9:27

Tgt Ion: 117 Resp: 162977

Ion Ratio Lower Upper

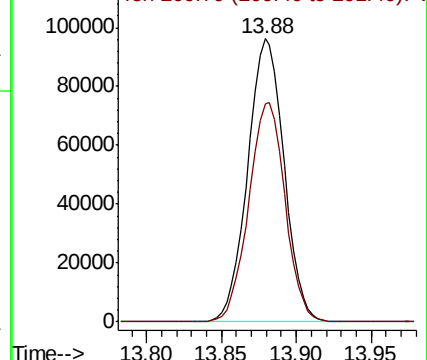
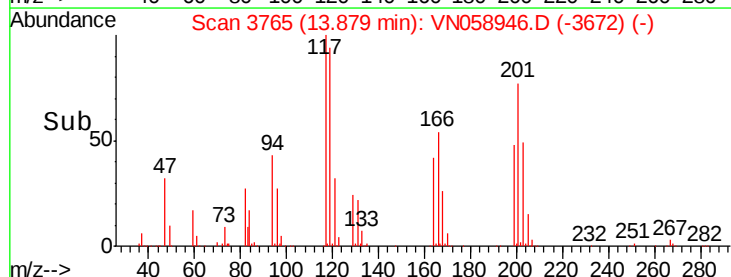
117 100

201 77.4 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)

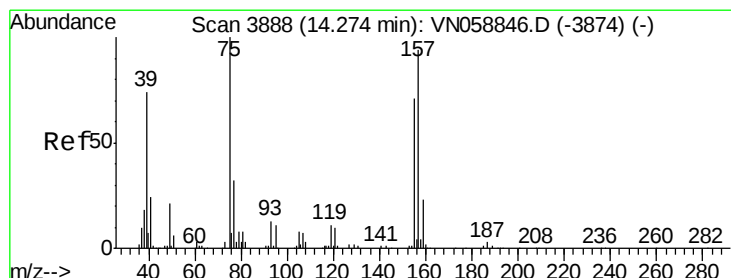
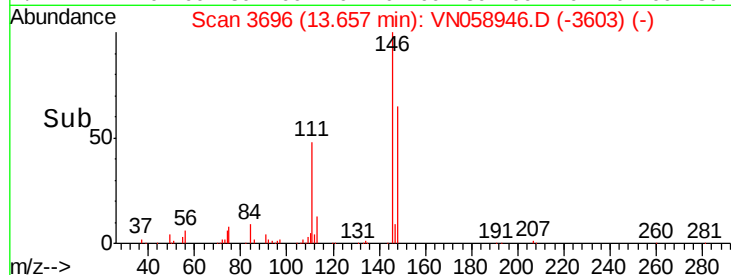
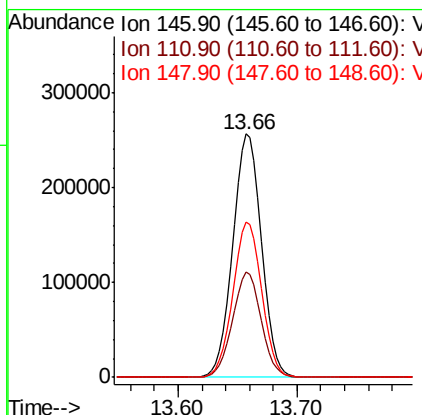
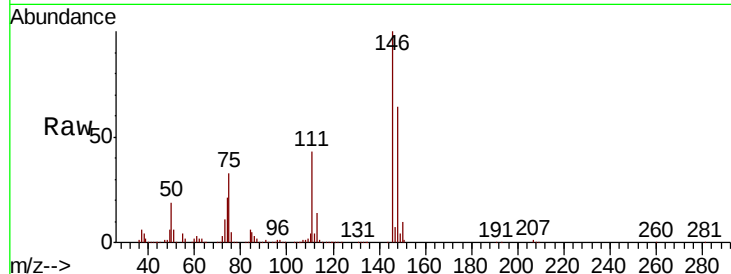




#91
 1,2-Dichlorobenzene
 Concen: 52.327 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

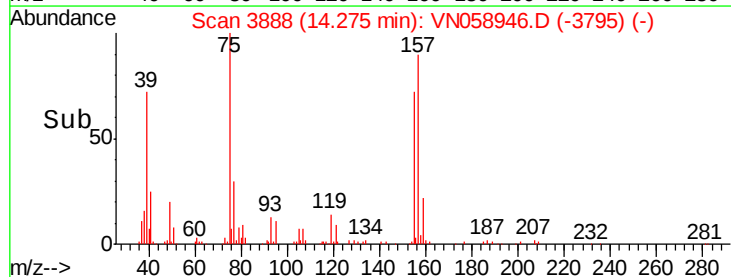
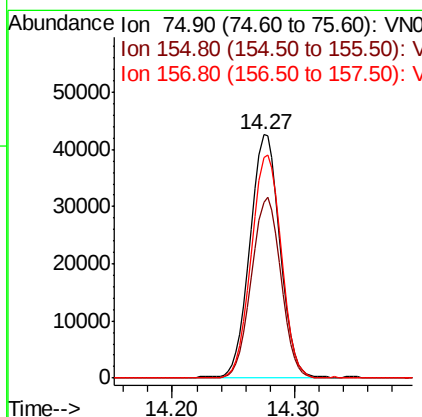
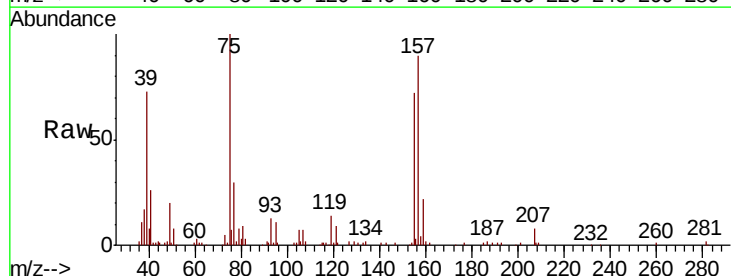
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

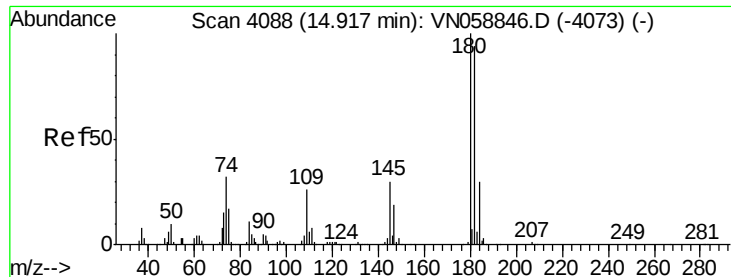
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.8
148	63.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.026 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	35.6	106.8
157	91.2	47.4	142.2

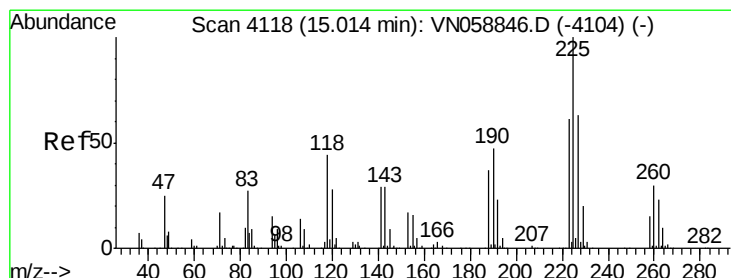
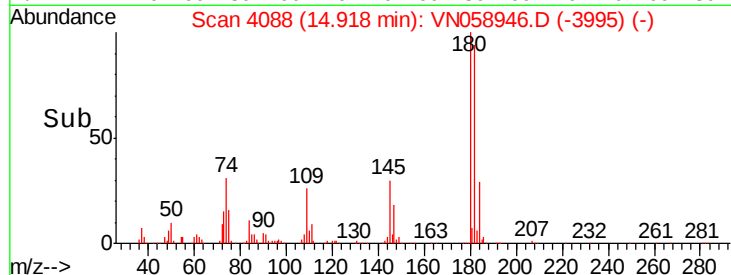
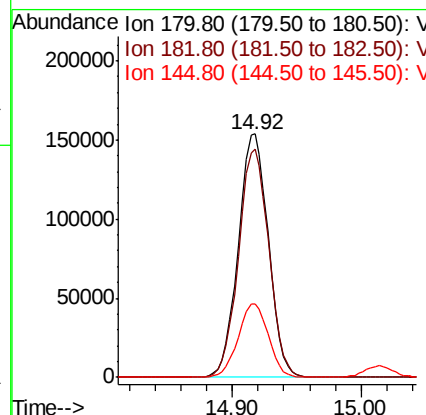
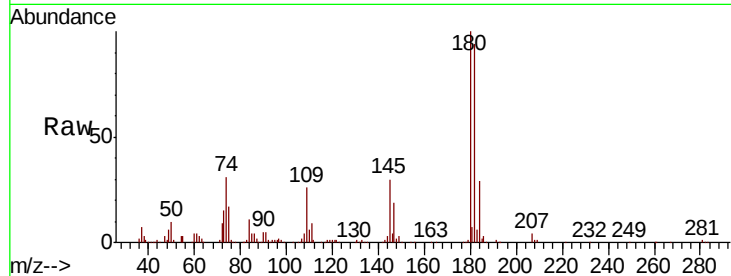




#93
 1,2,4-Trichlorobenzene
 Concen: 48.205 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

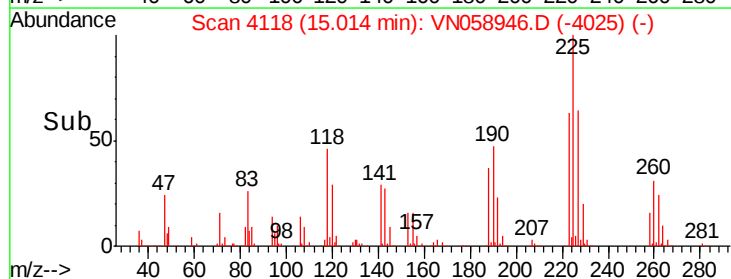
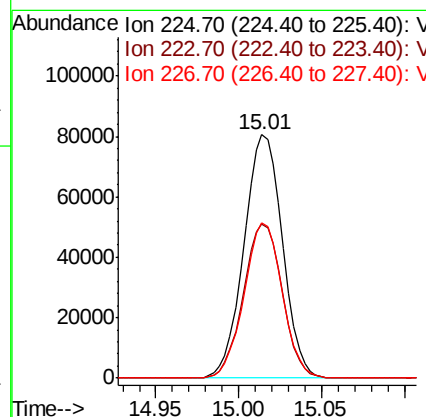
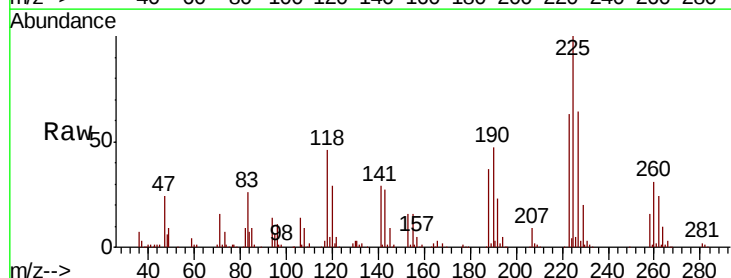
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	30.5	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 48.843 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.9	92.5
227	63.2	31.6	94.7





#95

Naphthalene

Concen: 46.716 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

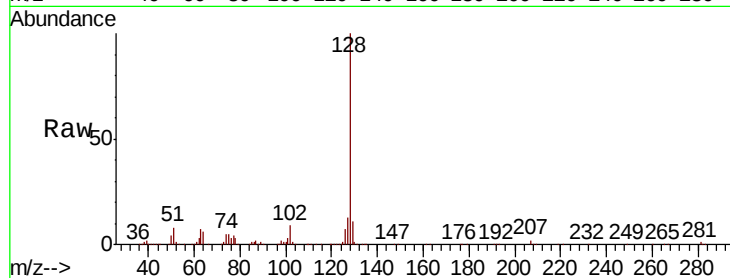
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 690817

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.4	12.6

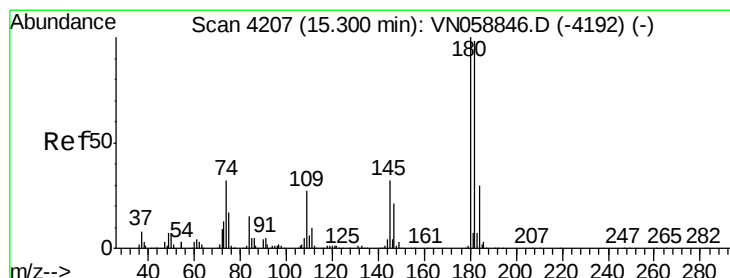
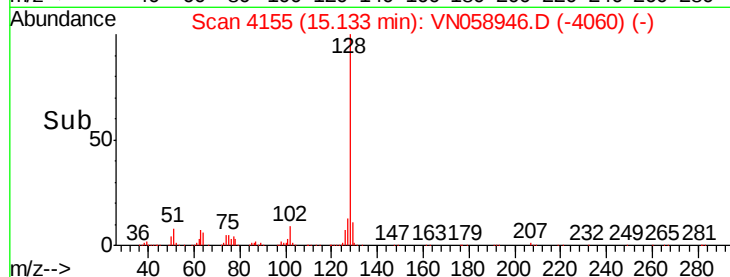
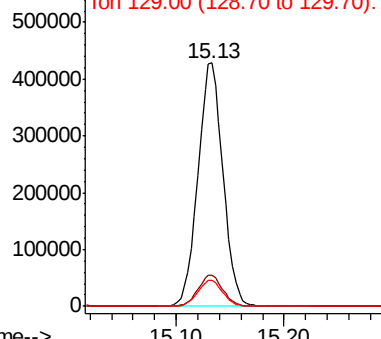


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.185 ug/l

RT: 15.30 min Scan# 4207

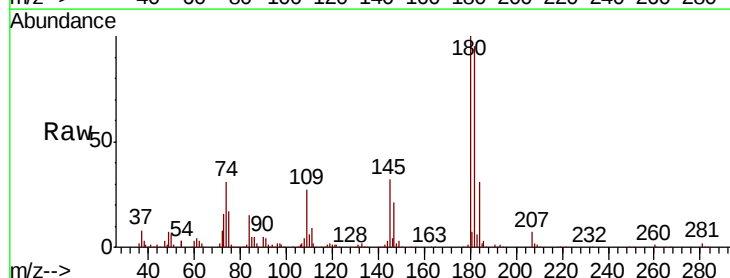
Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion:180 Resp: 241684

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	31.7	15.9	47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

