

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058895.D
 Acq On : 21 Oct 2019 17:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 22 03:21:48 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	7.65	168	431541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	647945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307873	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.57	113	225174	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.08	98	878911	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	327292	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	254159	47.237	ug/l 98
3) Chloromethane	2.04	50	301981	45.317	ug/l 99
4) Vinyl Chloride	2.17	62	314075	47.469	ug/l 97
5) Bromomethane	2.54	94	194334	46.903	ug/l 97
6) Chloroethane	2.68	64	200989	47.369	ug/l 99
7) Trichlorofluoromethane	3.00	101	377260	46.082	ug/l 99
8) Diethyl Ether	3.39	74	140905	49.805	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	215603	47.505	ug/l 99
10) Methyl Iodide	3.93	142	289349	48.474	ug/l 99
11) Tert butyl alcohol	4.76	59	249837	237.870	ug/l 100
12) 1,1-Dichloroethene	3.72	96	209644	49.280	ug/l 99
13) Acrolein	3.58	56	144865	200.735	ug/l 100
14) Allyl chloride	4.30	41	424623	49.326	ug/l 98
15) Acrylonitrile	4.96	53	662919	250.920	ug/l 99
16) Acetone	3.79	43	706010	225.741	ug/l 100
17) Carbon Disulfide	4.03	76	631128	46.054	ug/l 100
18) Methyl Acetate	4.30	43	341681	48.053	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	770309	51.711	ug/l 100
20) Methylene Chloride	4.52	84	248370	46.508	ug/l 97
21) trans-1,2-Dichloroethene	5.02	96	230691	49.103	ug/l 97
22) Diisopropyl ether	5.93	45	869629	51.647	ug/l 97
23) Vinyl Acetate	5.87	43	3741199	276.551	ug/l 99
24) 1,1-Dichloroethane	5.82	63	474684	48.619	ug/l 99
25) 2-Butanone	6.81	43	987985	243.354	ug/l 99
26) 2,2-Dichloropropane	6.80	77	419810	49.711	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	269971	50.303	ug/l 99
28) Bromochloromethane	7.18	49	161142	49.558	ug/l 100
29) Tetrahydrofuran	7.19	42	630772	253.979	ug/l 99
30) Chloroform	7.35	83	468900	47.878	ug/l 99
31) Cyclohexane	7.63	56	437663	48.118	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	413109	50.043	ug/l 99
36) 1,1-Dichloropropene	7.77	75	358650	50.721	ug/l 100
37) Ethyl Acetate	6.91	43	398584	51.733	ug/l 99
38) Carbon Tetrachloride	7.76	117	361233	49.589	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	412715	51.981	ug/l	99
40) Benzene	8.02	78	1046421	50.396	ug/l	98
41) Methacrylonitrile	7.19	41	571269	166.477	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	396322	49.550	ug/l	100
43) Isopropyl Acetate	8.15	43	641371	51.905	ug/l	100
44) Trichloroethene	8.82	130	256011	50.615	ug/l	97
45) 1,2-Dichloropropane	9.10	63	289326	50.815	ug/l	98
46) Dibromomethane	9.20	93	178220	49.513	ug/l	99
47) Bromodichloromethane	9.39	83	375477	50.612	ug/l	99
48) Methyl methacrylate	9.19	41	295414	52.694	ug/l	99
49) 1,4-Dioxane	9.19	88	91050	989.348	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1979082	274.209	ug/l	99
52) Toluene	10.15	92	648335	52.653	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	427621	52.069	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	457002	52.085	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252892	49.856	ug/l	99
56) Ethyl methacrylate	10.43	69	410301	48.231	ug/l	99
57) 1,3-Dichloropropane	10.70	76	452134	50.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	883385	245.619	ug/l	100
59) 2-Hexanone	10.75	43	1508439	270.468	ug/l	100
60) Dibromochloromethane	10.90	129	279459	51.185	ug/l	99
61) 1,2-Dibromoethane	11.00	107	262414	50.551	ug/l	100
64) Tetrachloroethene	10.63	164	220943	48.690	ug/l	99
65) Chlorobenzene	11.43	112	674439	51.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	253887	51.003	ug/l	99
67) Ethyl Benzene	11.51	91	1265420	54.684	ug/l	98
68) m/p-Xylenes	11.62	106	934121	108.852	ug/l	100
69) o-Xylene	11.95	106	445369	54.416	ug/l	99
70) Styrene	11.97	104	743100	49.215	ug/l	100
71) Bromoform	12.13	173	199494	51.682	ug/l #	100
73) Isopropylbenzene	12.25	105	1218367	52.793	ug/l	99
74) N-amyl acetate	12.07	43	569290	54.412	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	396470	48.858	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	540707	73.880	ug/l #	100
77) Bromobenzene	12.53	156	282875	49.729	ug/l	99
78) n-propylbenzene	12.59	91	1450640	53.177	ug/l	100
79) 2-Chlorotoluene	12.68	91	848453	50.818	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1044009	53.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142718	50.800	ug/l	99
82) 4-Chlorotoluene	12.78	91	876769	51.387	ug/l	100
83) tert-Butylbenzene	13.00	119	884807	53.363	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1052376	55.026	ug/l	99
85) sec-Butylbenzene	13.17	105	1200042	54.285	ug/l	98
86) p-Isopropyltoluene	13.29	119	1084595	55.604	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	520707	51.194	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	520758	51.138	ug/l	100
89) n-Butylbenzene	13.62	91	980978	54.748	ug/l	100
90) Hexachloroethane	13.88	117	197701	50.019	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	512367	51.252	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86951	47.375	ug/l	98

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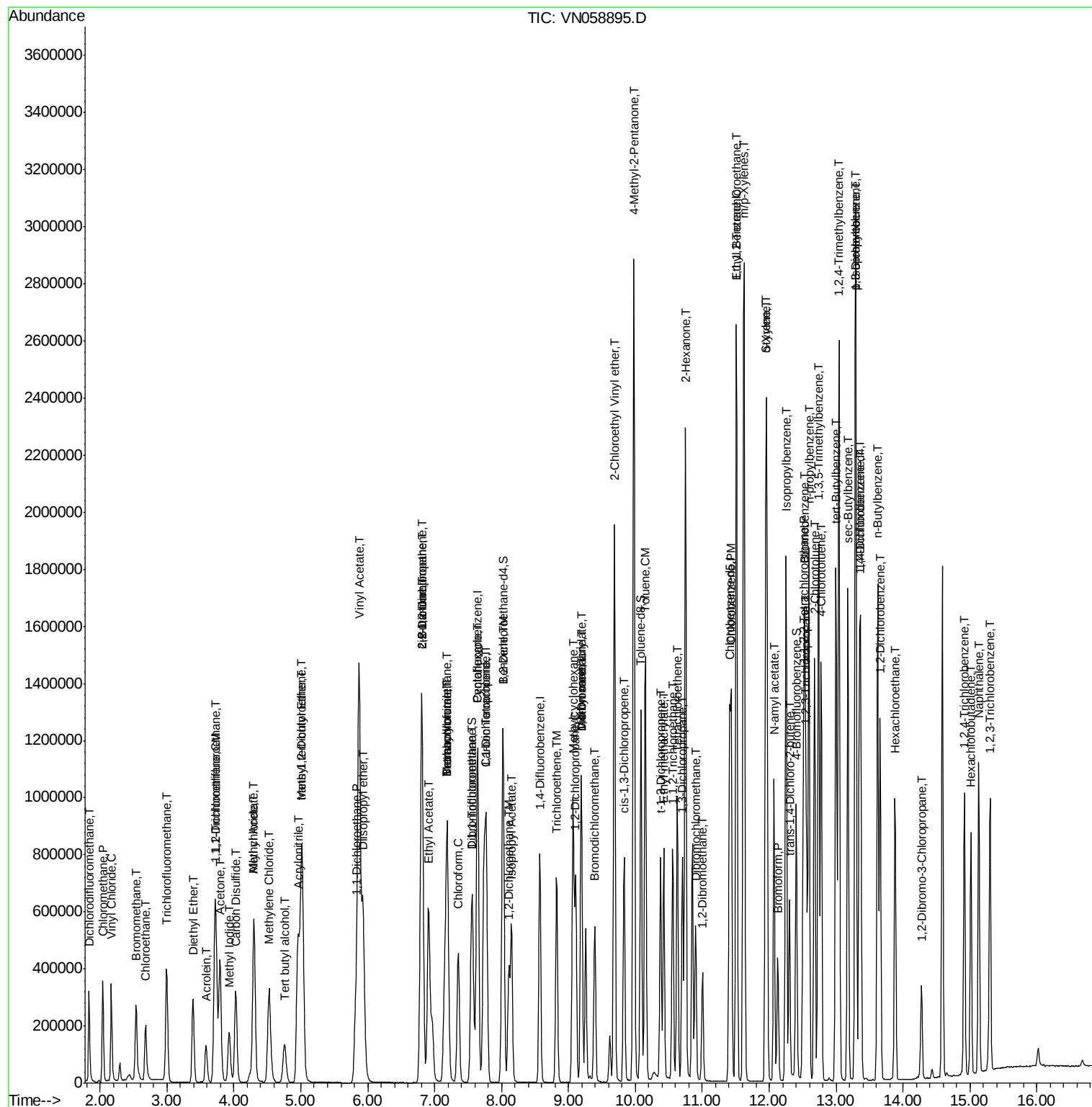
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	299778	47.754	ug/l	99
94) Hexachlorobutadiene	15.01	225	157792	48.698	ug/l	98
95) Naphthalene	15.13	128	864044	47.868	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	292132	47.793	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

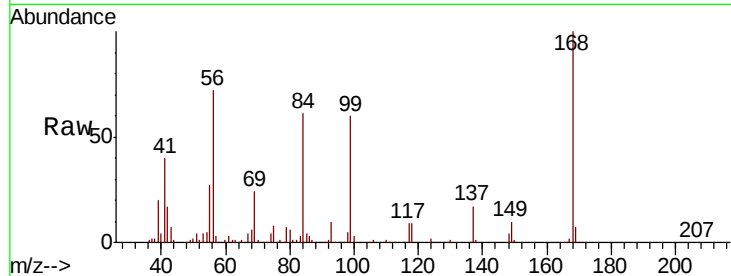
VSTDCCC050EC

Tot Ion:168 Resp: 431541

Ion Ratio Lower Upper

168 100

99 59.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

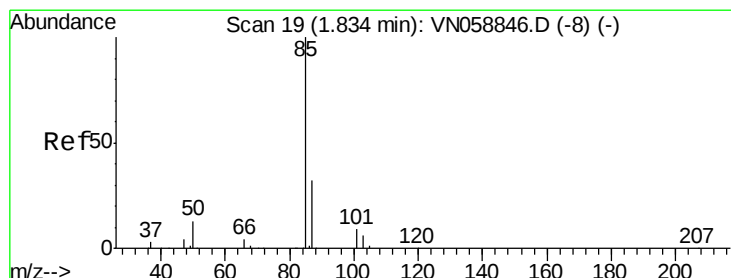
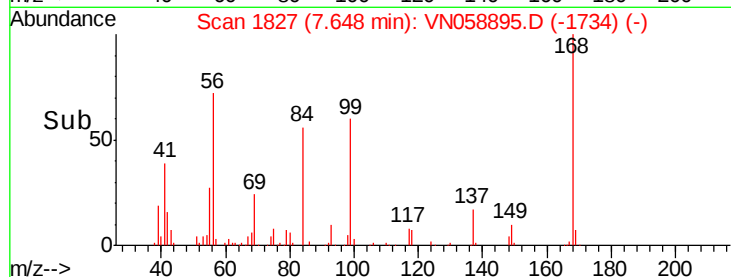
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.237 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058895.D

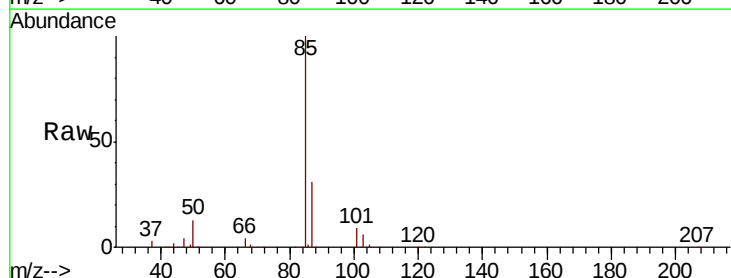
Acq: 21 Oct 2019 17:42

Tgt Ion: 85 Resp: 254159

Ion Ratio Lower Upper

85 100

87 31.3 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

200000

150000

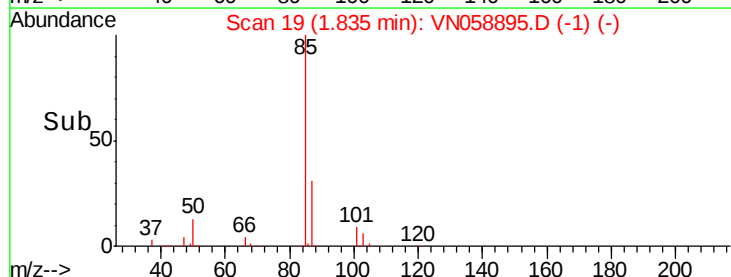
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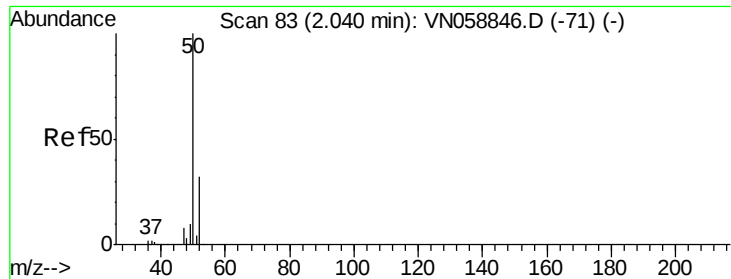
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 45.317 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

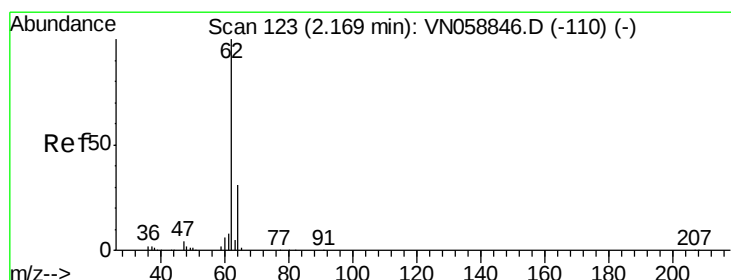
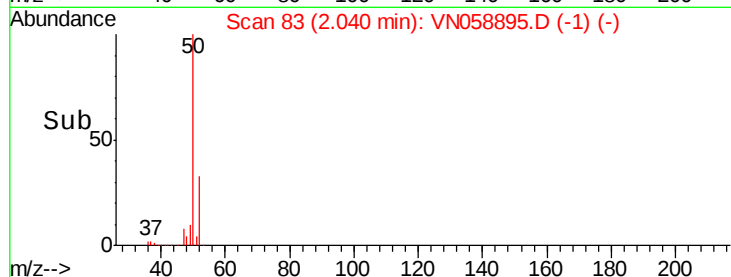
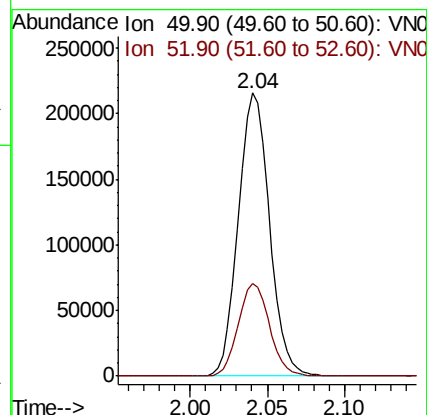
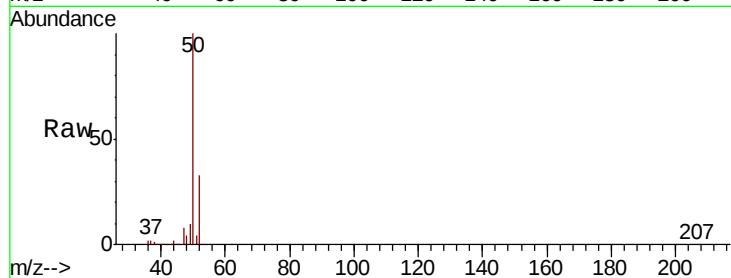
VSTDCCC050EC

Tot Ion: 50 Resp: 301981

Ion Ratio Lower Upper

50 100

52 32.9 25.7 38.5



#4

Vinyl Chloride

Concen: 47.469 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058895.D

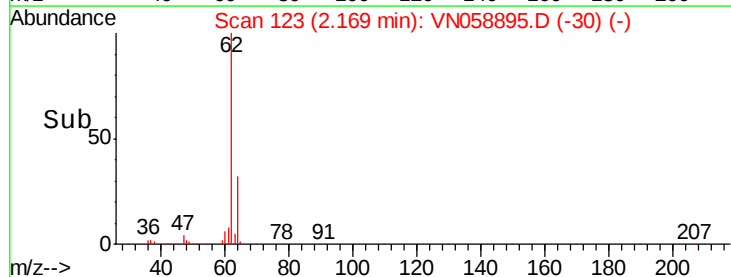
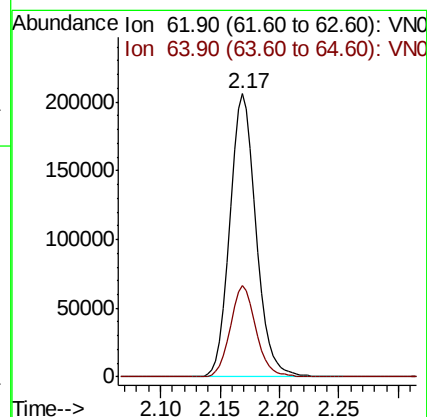
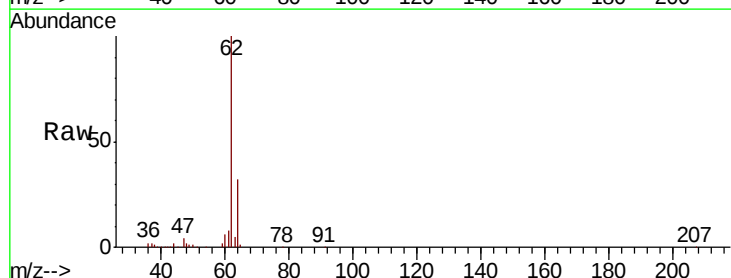
Acq: 21 Oct 2019 17:42

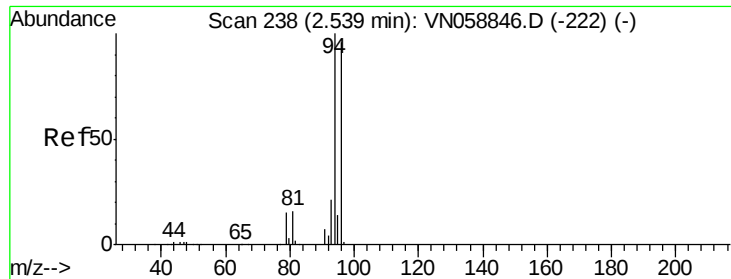
Tgt Ion: 62 Resp: 314075

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 46.903 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

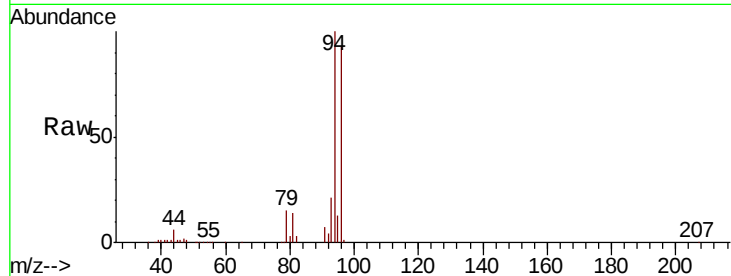
VSTDCCC050EC

Tot Ion: 94 Resp: 194334

Ion Ratio Lower Upper

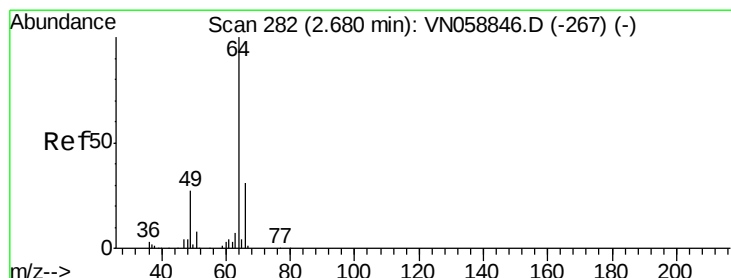
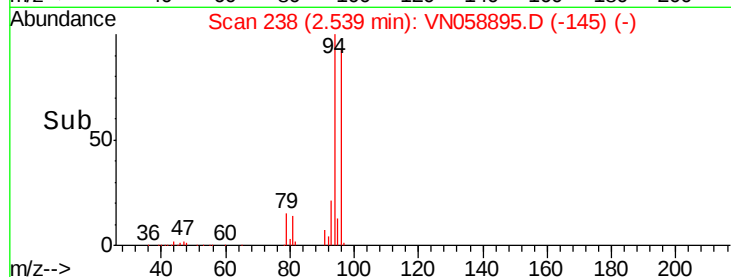
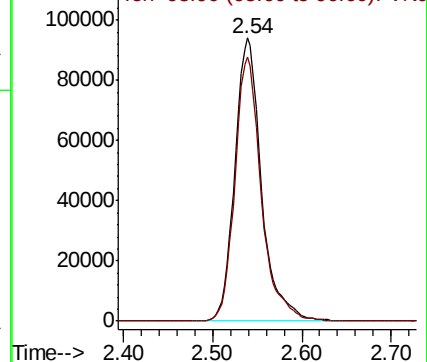
94 100

96 93.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.369 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058895.D

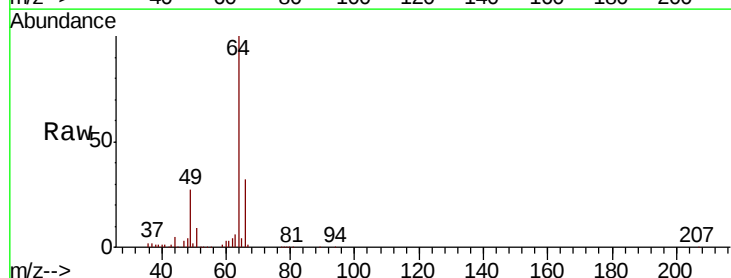
Acq: 21 Oct 2019 17:42

Tgt Ion: 64 Resp: 200989

Ion Ratio Lower Upper

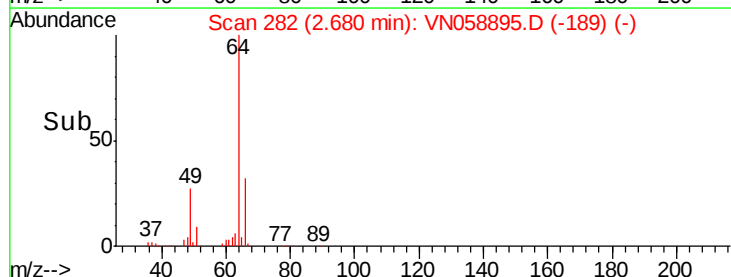
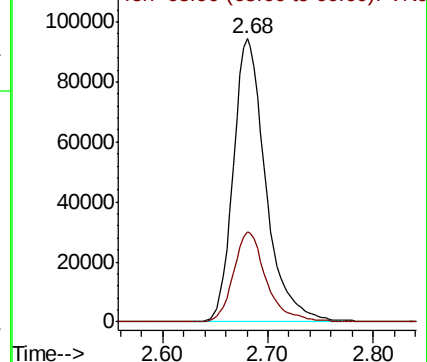
64 100

66 31.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



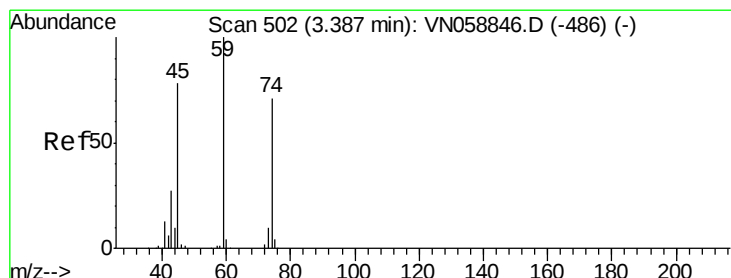
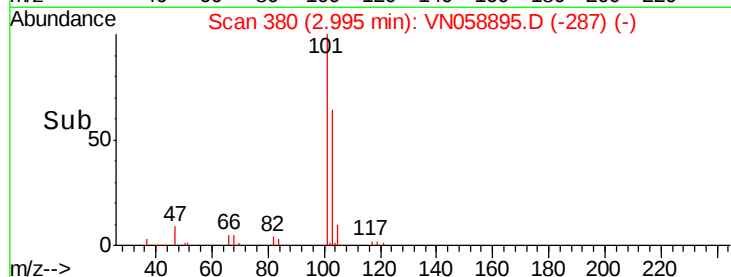
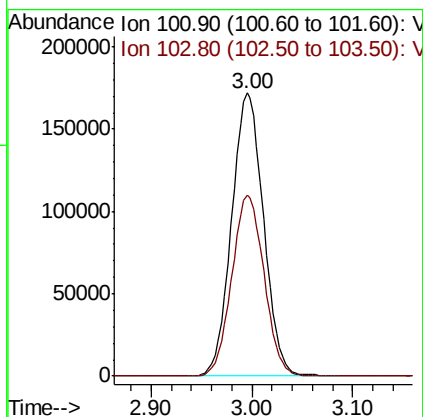
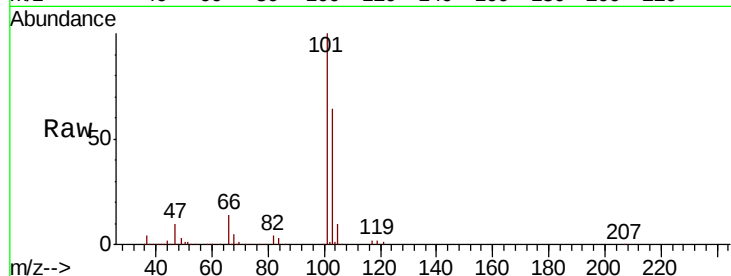


#7

Trichlorofluoromethane
Concen: 46.082 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
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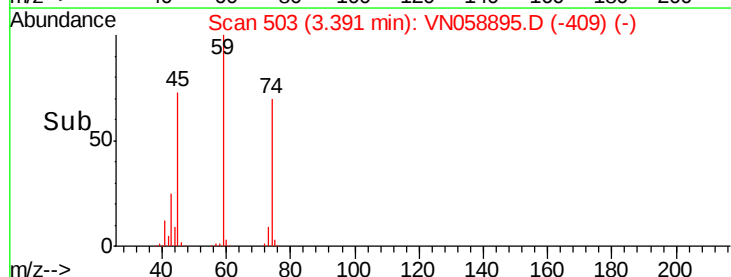
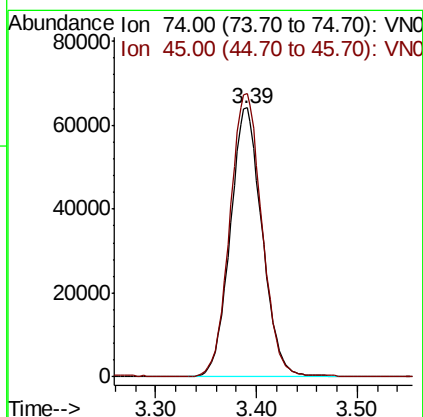
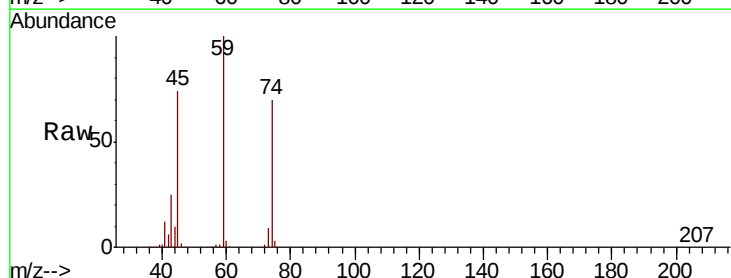
Tot Ion:101 Resp: 377260
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2

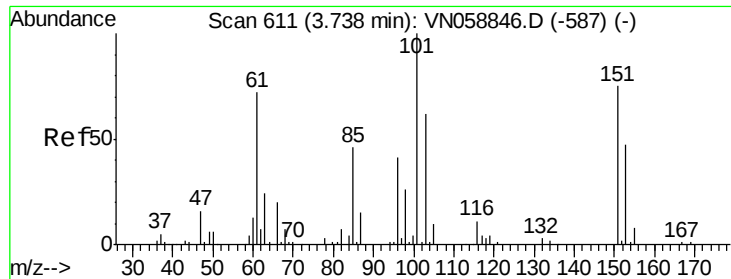


#8

Diethyl Ether
Concen: 49.805 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 74 Resp: 140905
Ion Ratio Lower Upper
74 100
45 106.6 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.505 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

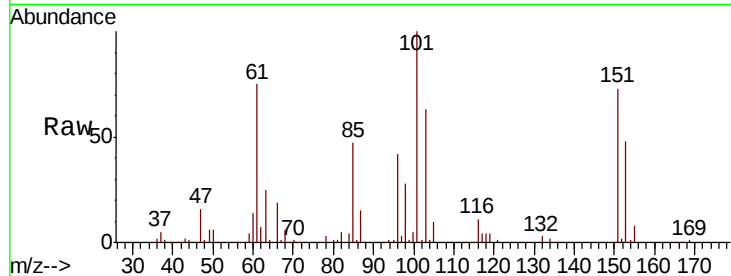
Tot Ion:101 Resp: 215603

Ion Ratio Lower Upper

101 100

85 45.9 37.2 55.8

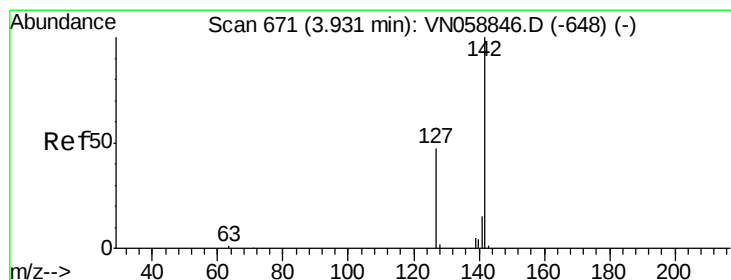
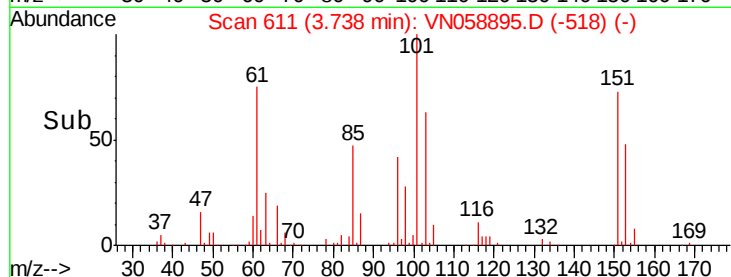
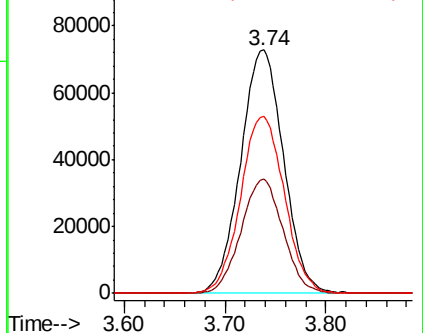
151 73.9 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.474 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

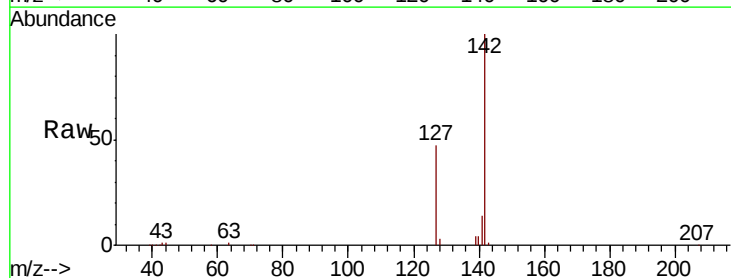
Tgt Ion:142 Resp: 289349

Ion Ratio Lower Upper

142 100

127 46.4 36.6 54.8

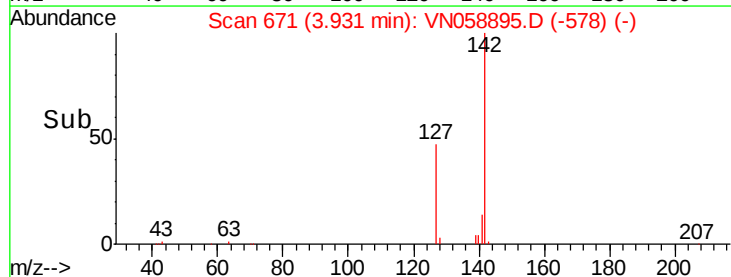
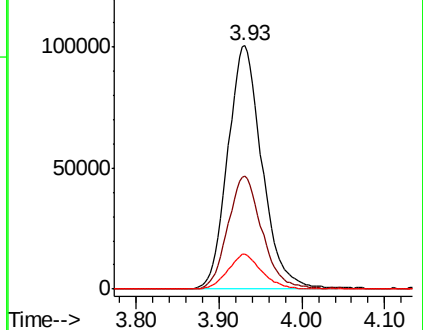
141 14.2 11.4 17.2



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: 237.870 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

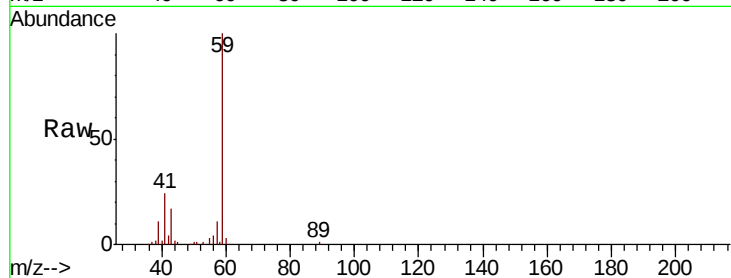
VSTDCCC050EC

Tot Ion: 59 Resp: 249837

Ion Ratio Lower Upper

59 100

57 10.6 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN058846.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN058846.D (-900) (-)

4.76

80000

60000

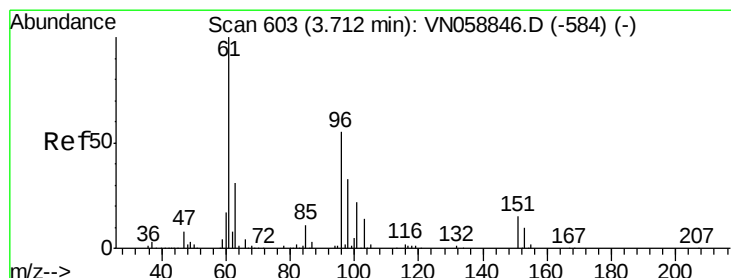
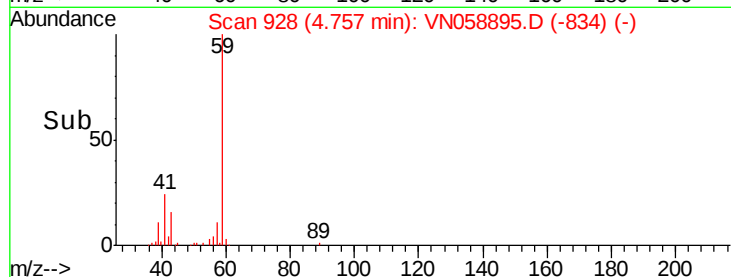
40000

20000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 49.280 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

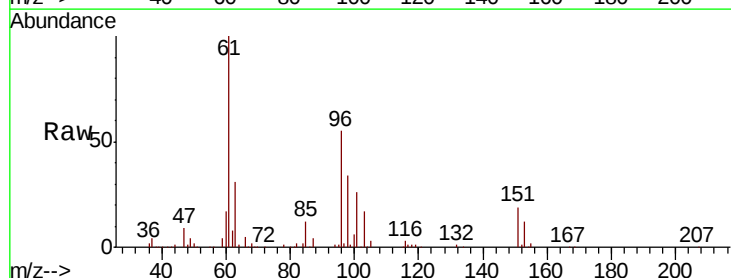
Tgt Ion: 96 Resp: 209644

Ion Ratio Lower Upper

96 100

61 182.1 146.2 219.2

98 61.8 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-584) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-584) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-584) (-)

200000

150000

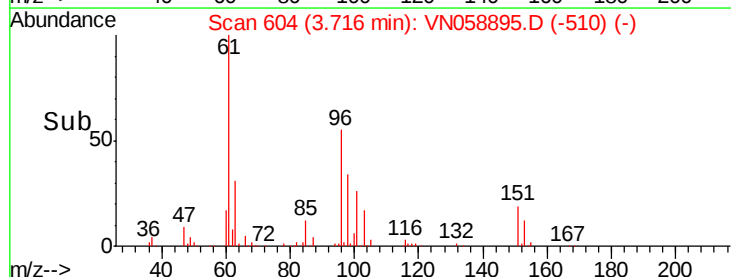
100000

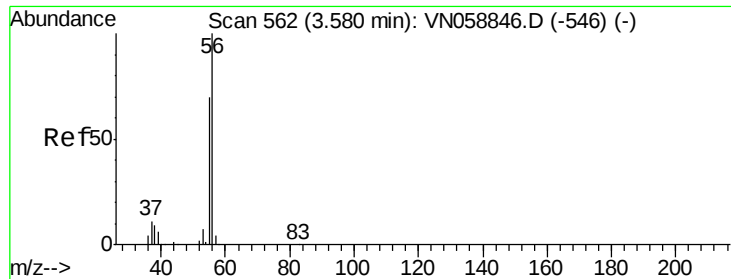
50000

0

Time-->

3.60 3.70 3.80

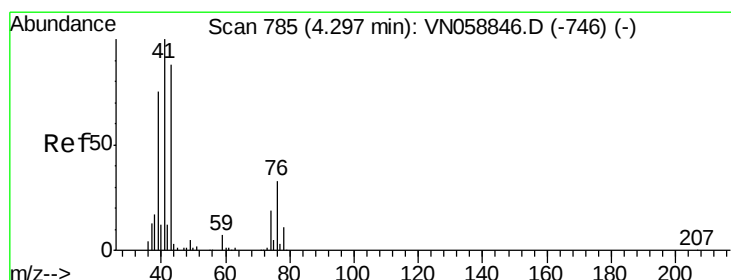
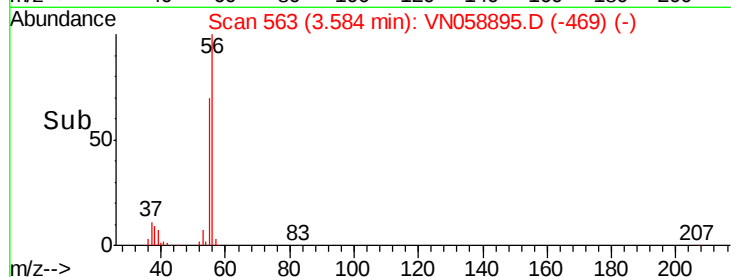
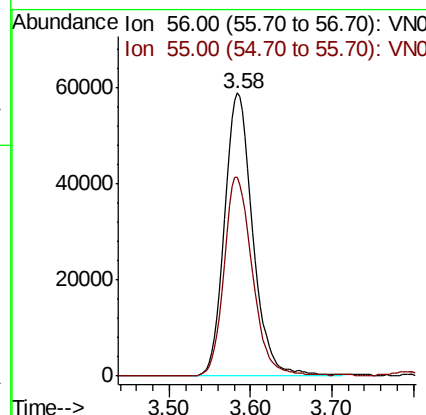
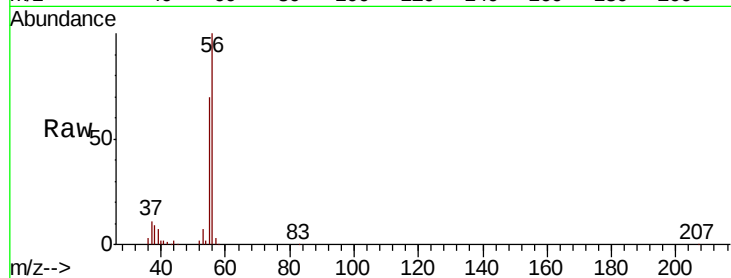




#13
Acrolein
Concen: 200.735 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

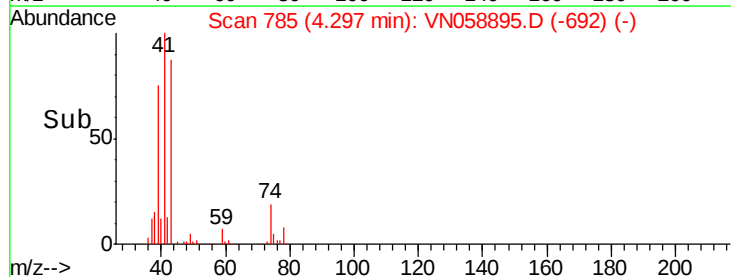
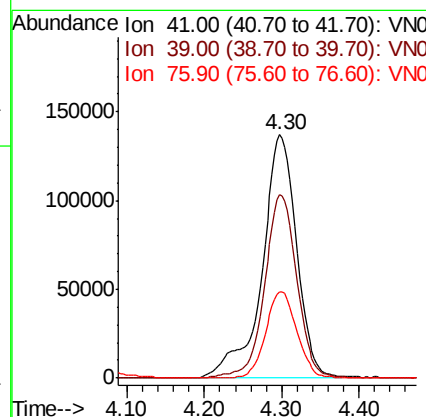
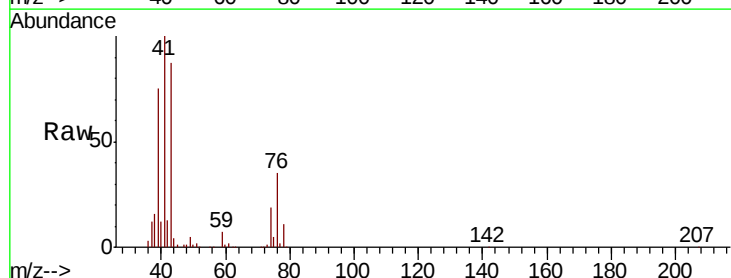
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

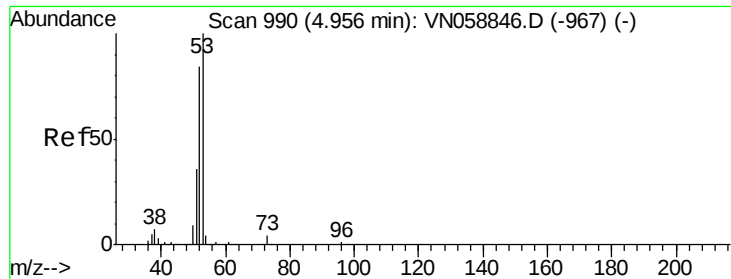
Tot Ion: 56 Resp: 144865
Ion Ratio Lower Upper
56 100
55 70.7 56.6 85.0



#14
Allyl chloride
Concen: 49.326 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 41 Resp: 424623
Ion Ratio Lower Upper
41 100
39 70.3 55.9 83.9
76 32.2 24.1 36.1





#15

Acrylonitrile

Concen: 250.920 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

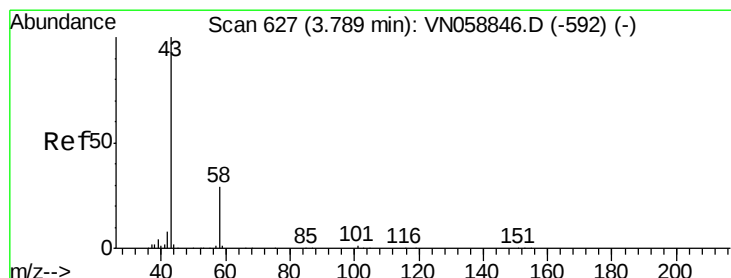
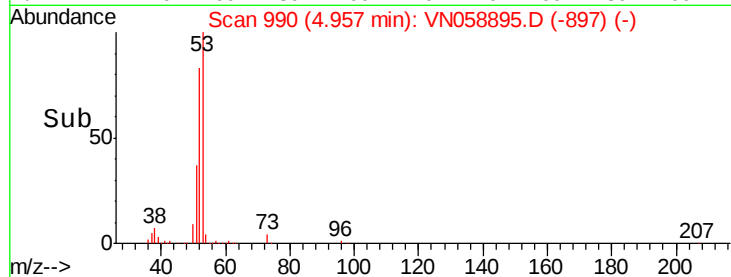
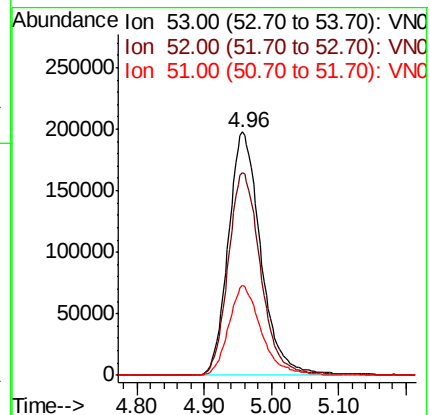
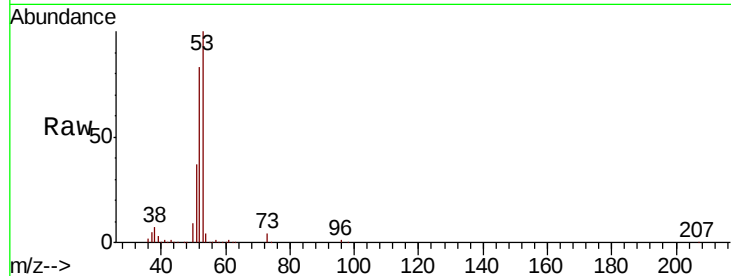
Tot Ion: 53 Resp: 662919

Ion Ratio Lower Upper

53 100

52 83.4 66.6 99.8

51 37.2 29.2 43.8



#16

Acetone

Concen: 225.741 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058895.D

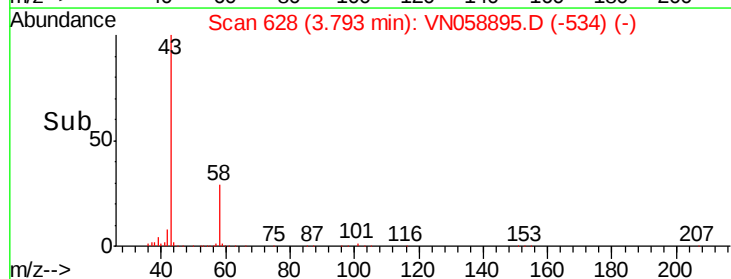
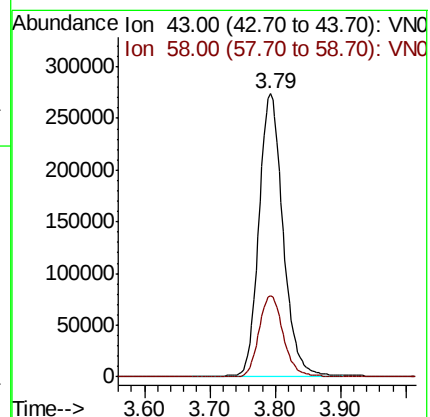
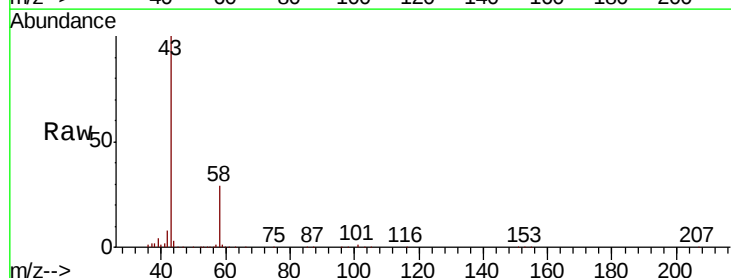
Acq: 21 Oct 2019 17:42

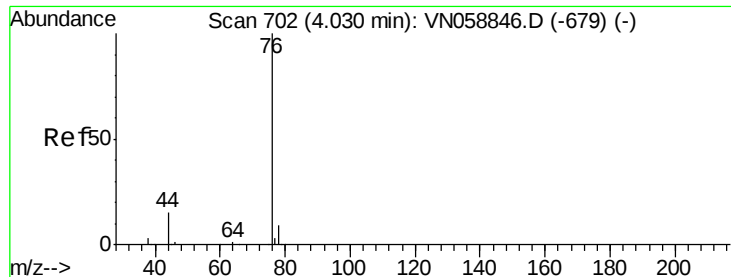
Tgt Ion: 43 Resp: 706010

Ion Ratio Lower Upper

43 100

58 28.8 23.1 34.7

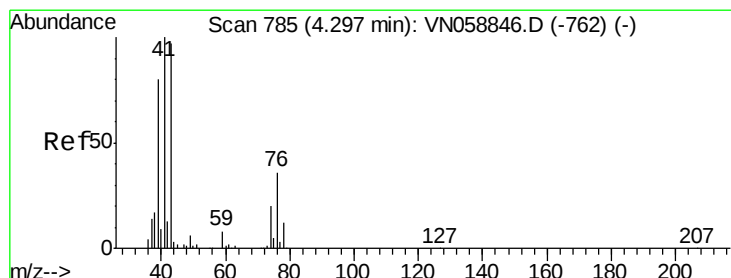
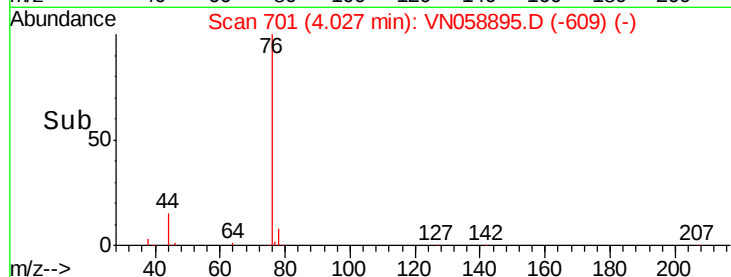
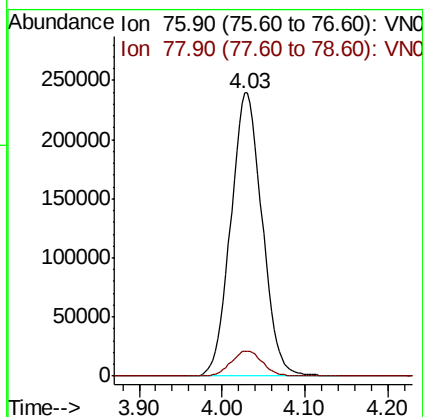
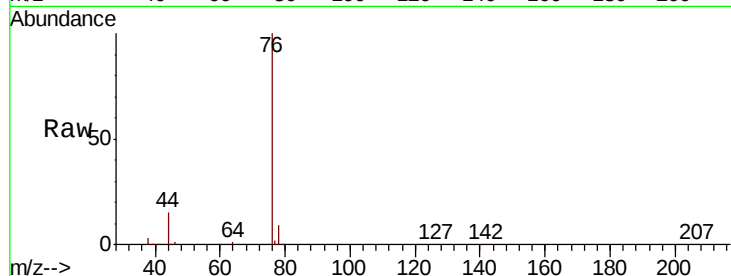




#17
Carbon Disulfide
Concen: 46.054 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

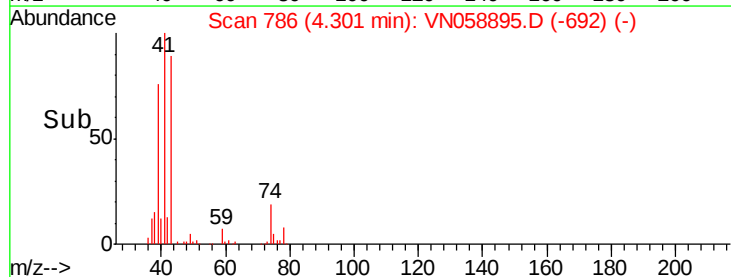
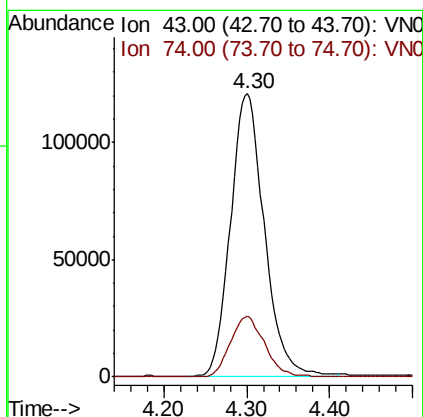
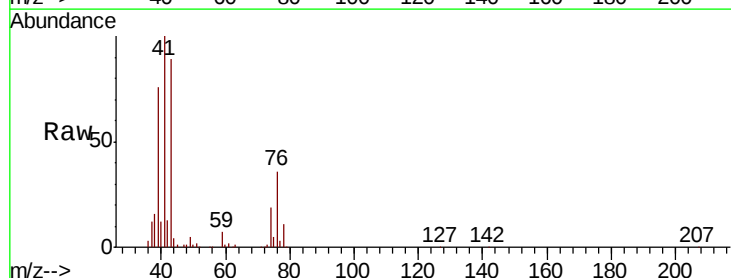
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 631128
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 48.053 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 43 Resp: 341681
Ion Ratio Lower Upper
43 100
74 21.8 17.1 25.7

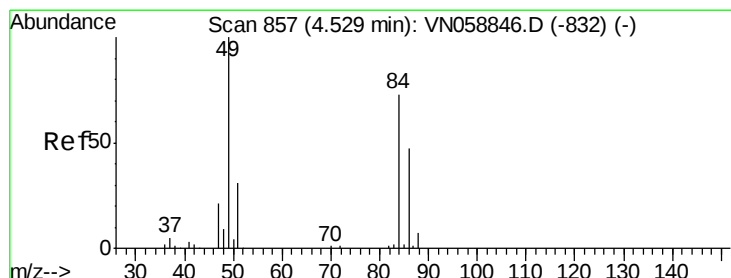
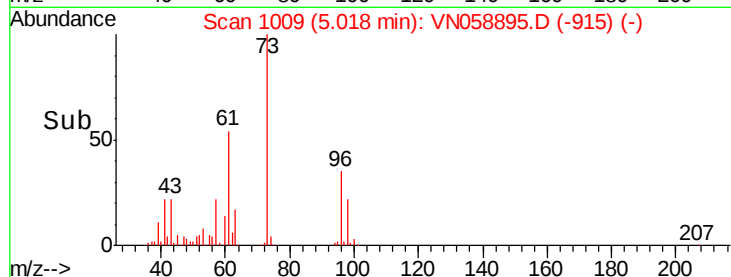
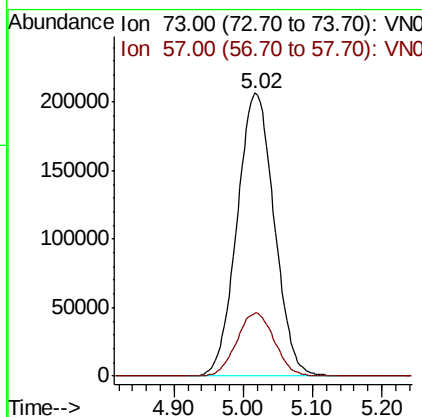
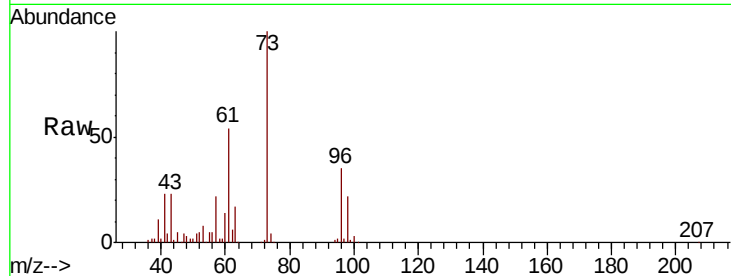




#19
Methyl tert-butyl Ether
Concen: 51.711 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

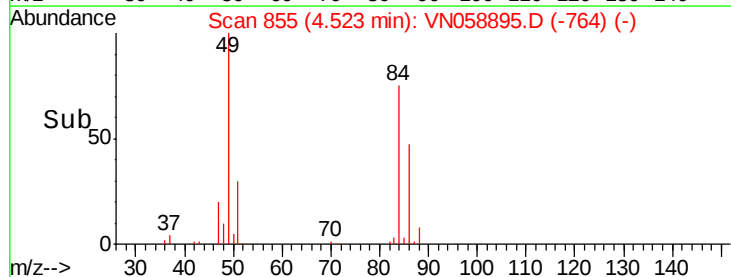
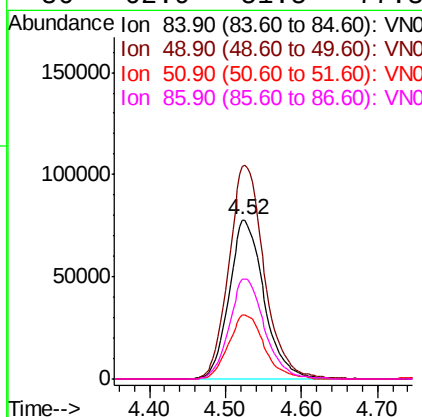
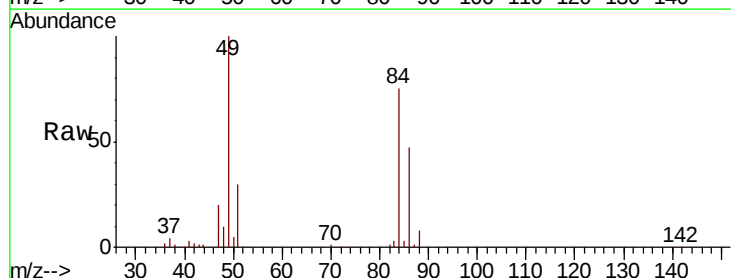
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 770309
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 46.508 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 84 Resp: 248370
Ion Ratio Lower Upper
84 100
49 133.0 109.6 164.4
51 40.3 33.8 50.6
86 62.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.103 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

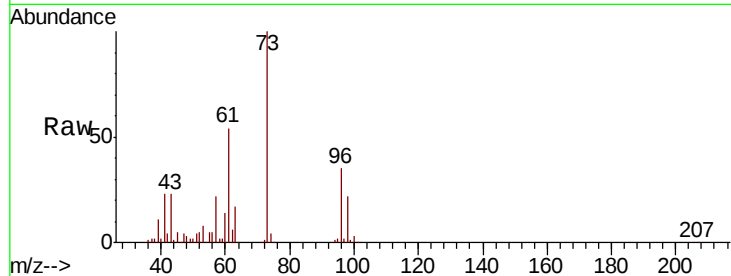
Tot Ion: 96 Resp: 230691

Ion Ratio Lower Upper

96 100

61 154.9 126.7 190.1

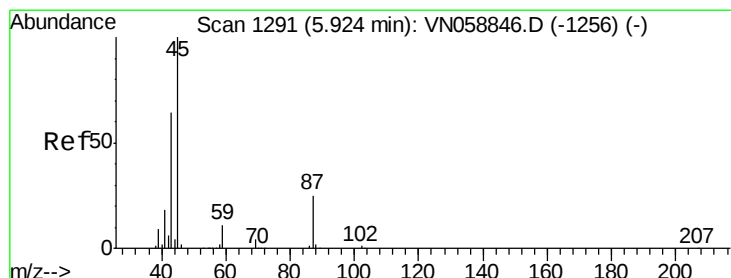
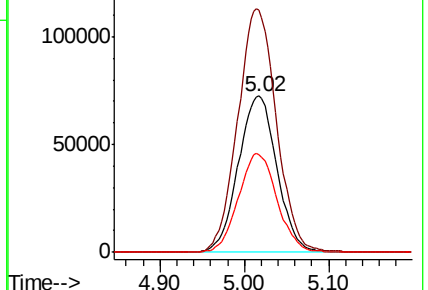
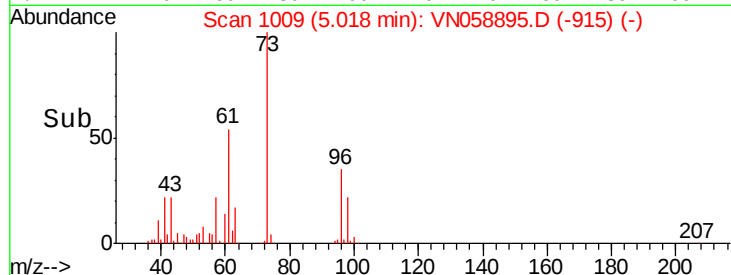
98 62.7 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN058895.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN058895.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN058895.D (-915) (-)



#22

Diisopropyl ether

Concen: 51.647 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion: 45 Resp: 869629

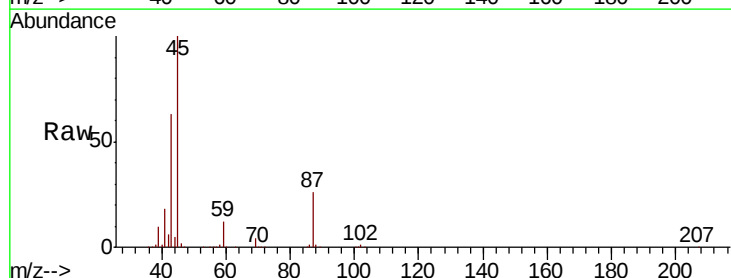
Ion Ratio Lower Upper

45 100

43 62.4 52.9 79.3

87 25.5 20.2 30.4

59 11.4 8.8 13.2

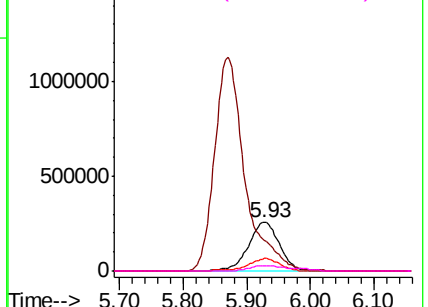
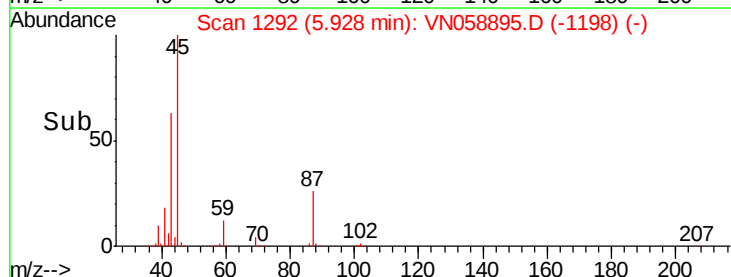


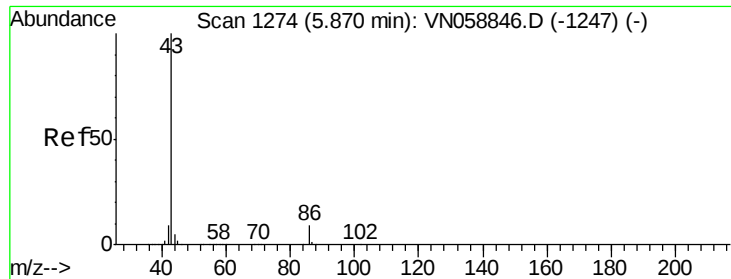
Abundance Ion 45.00 (44.70 to 45.70): VN058895.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN058895.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN058895.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN058895.D (-1198) (-)





#23

Vinyl Acetate

Concen: 276.551 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

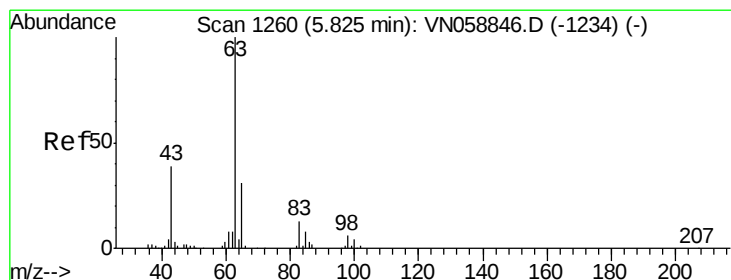
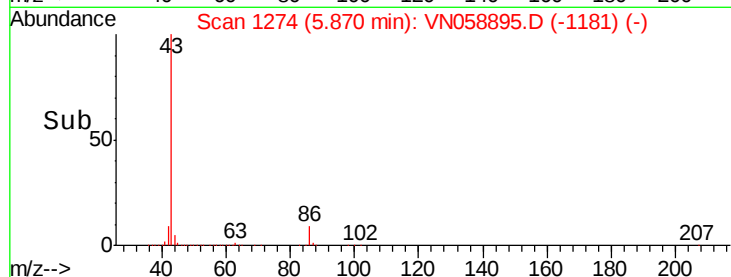
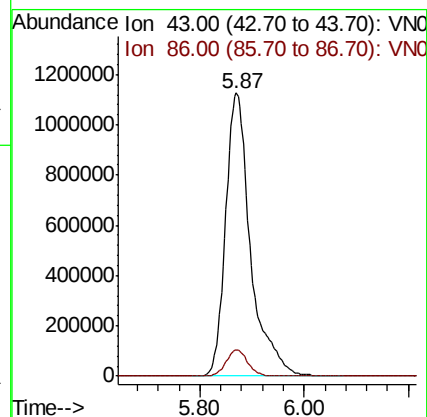
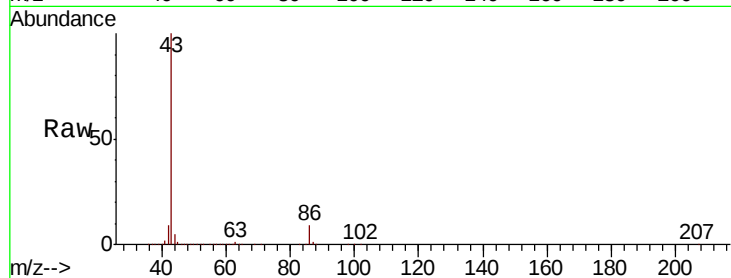
VSTDCCC050EC

Tot Ion: 43 Resp: 3741199

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



#24

1,1-Dichloroethane

Concen: 48.619 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

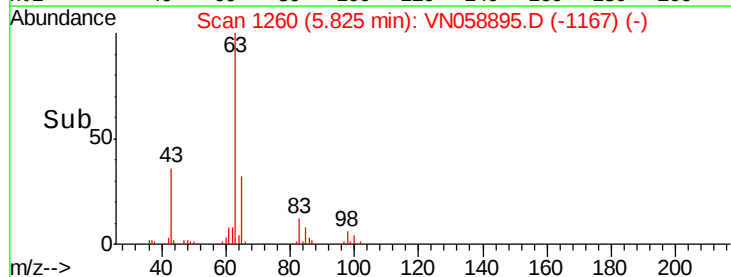
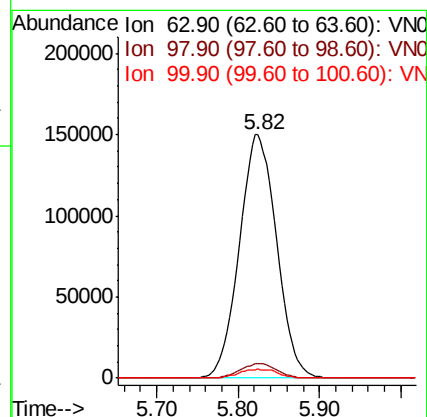
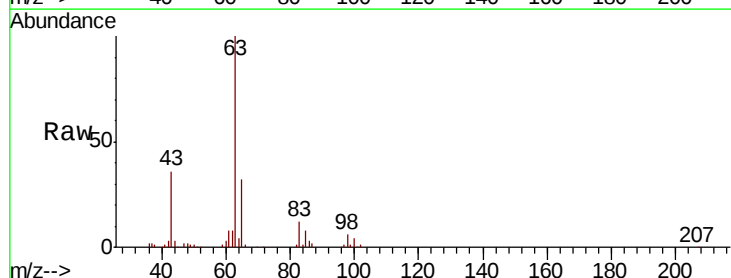
Tgt Ion: 63 Resp: 474684

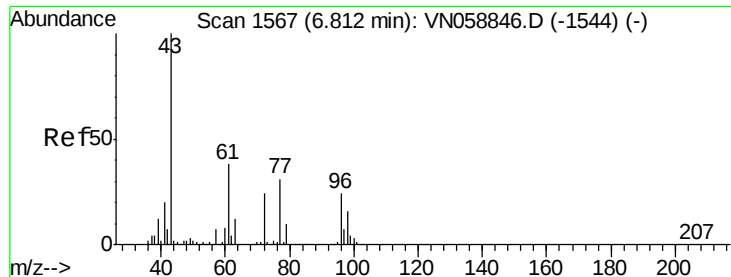
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 243.354 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

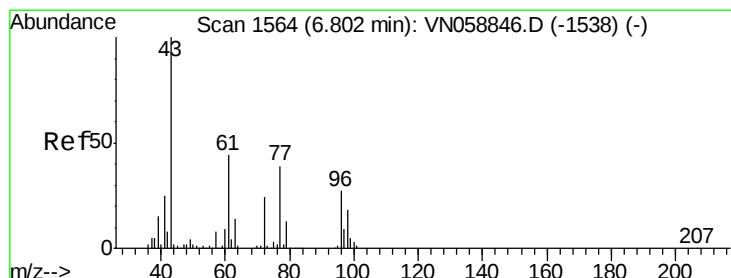
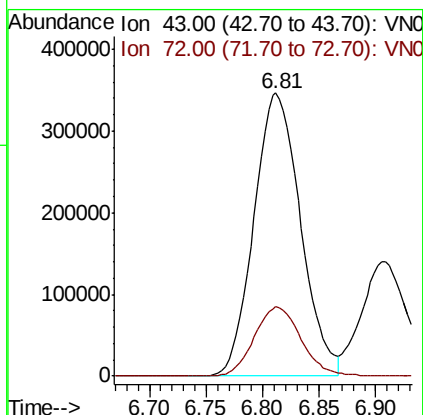
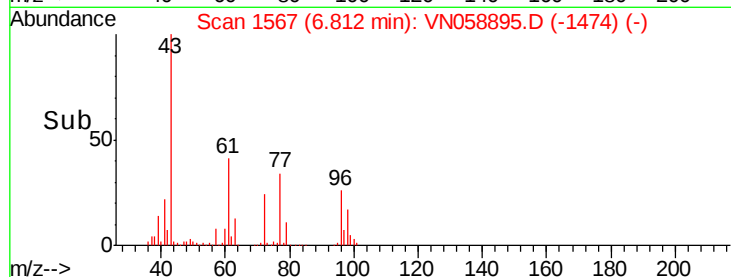
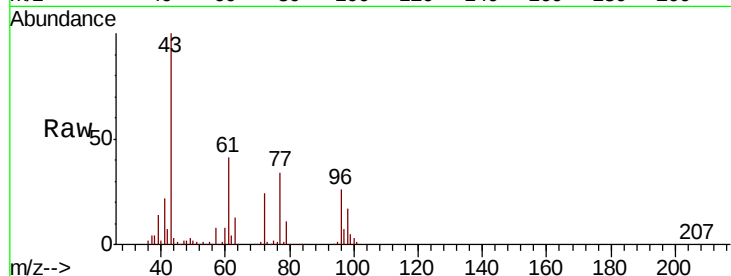
VSTDCCC050EC

Tot Ion: 43 Resp: 987985

Ion Ratio Lower Upper

43 100

72 24.4 19.1 28.7



#26

2,2-Dichloropropane

Concen: 49.711 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058895.D

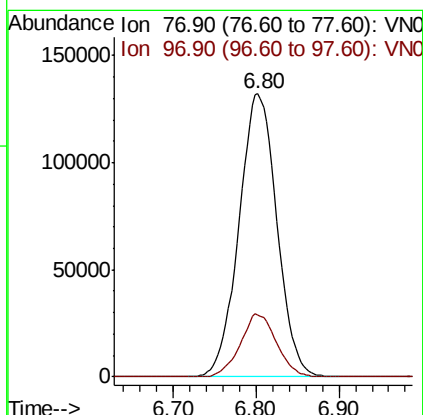
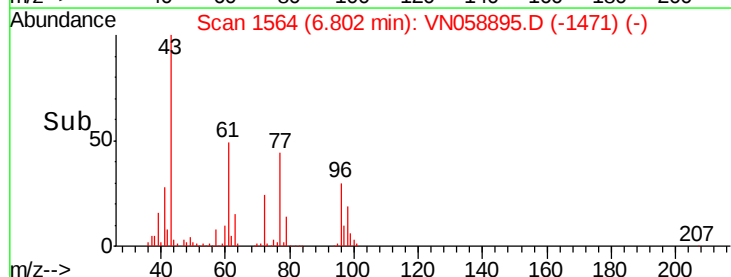
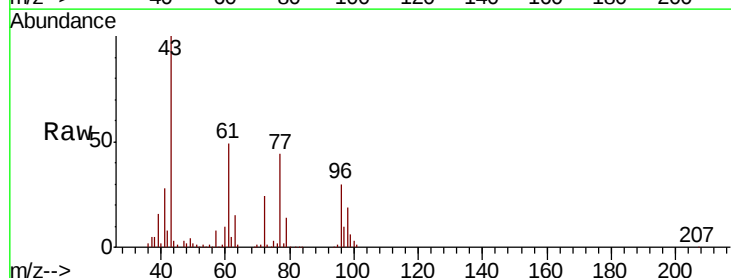
Acq: 21 Oct 2019 17:42

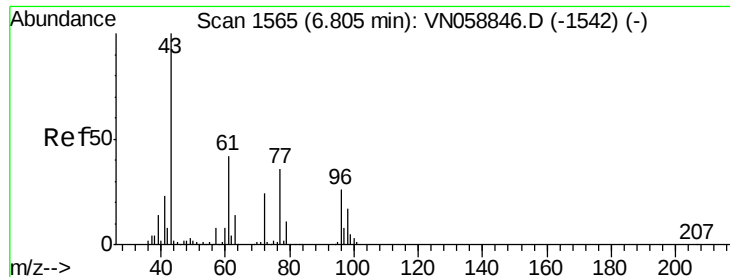
Tgt Ion: 77 Resp: 419810

Ion Ratio Lower Upper

77 100

97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.303 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

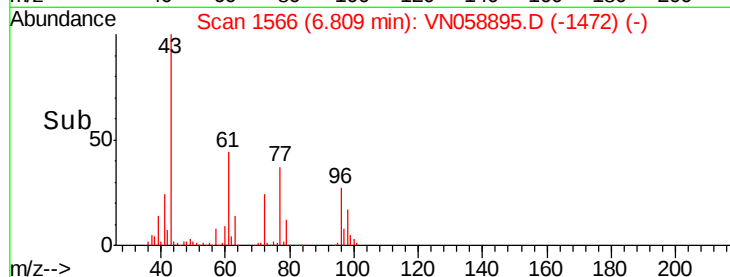
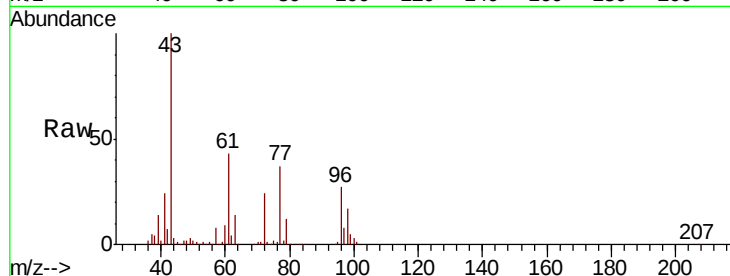
Tot Ion: 96 Resp: 269971

Ion Ratio Lower Upper

96 100

61 163.0 0.0 325.0

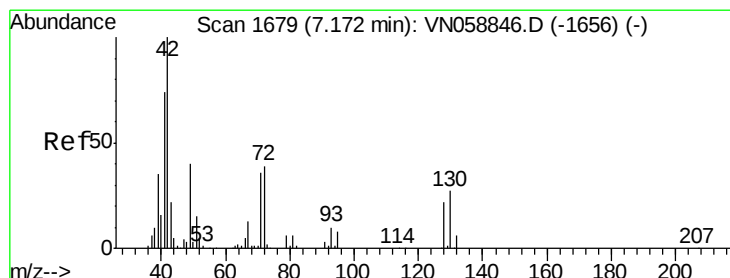
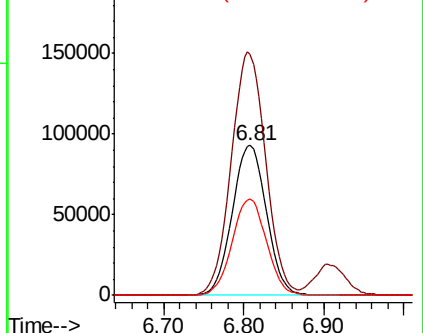
98 64.6 0.0 128.0



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: 49.558 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

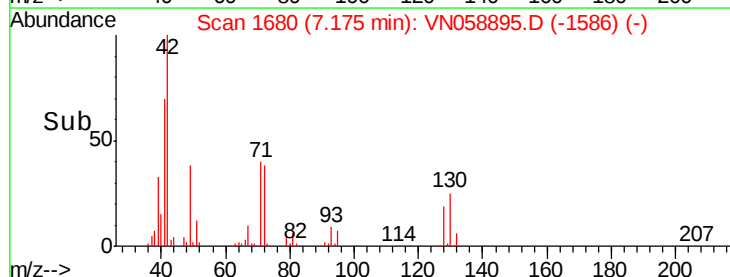
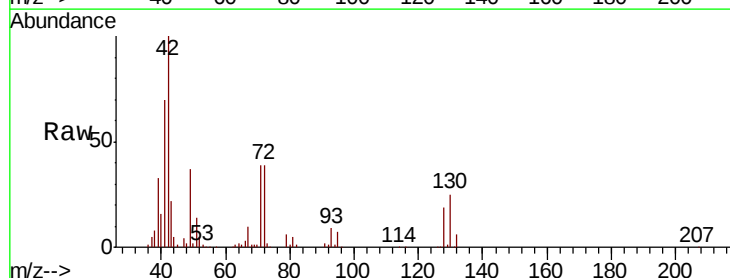
Tgt Ion: 49 Resp: 161142

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

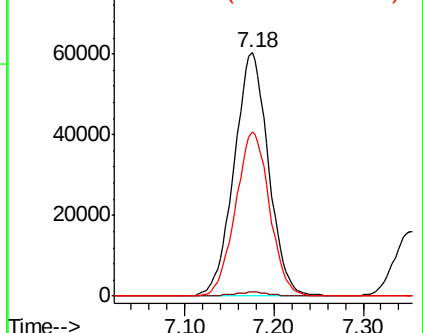
130 66.7 53.5 80.3

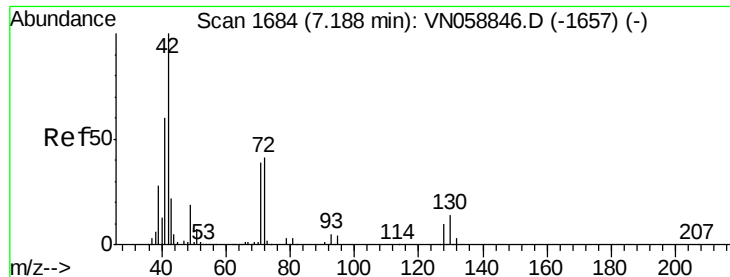


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 253.979 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

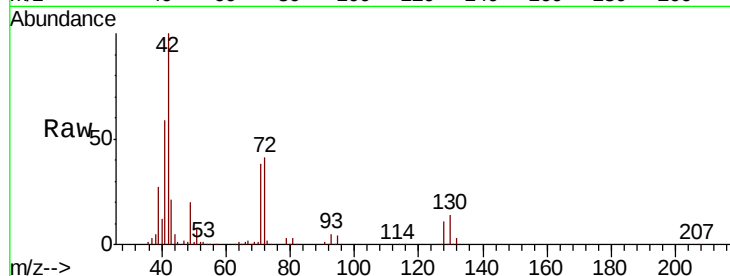
Tot Ion: 42 Resp: 630772

Ion Ratio Lower Upper

42 100

72 40.5 32.2 48.2

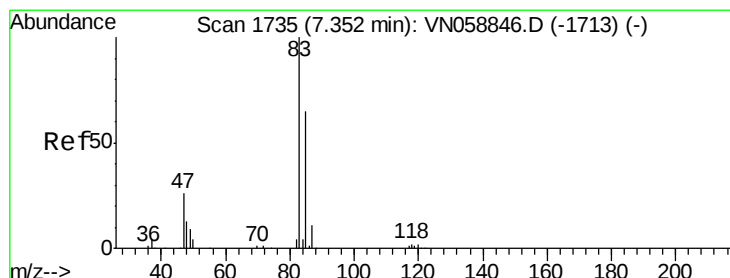
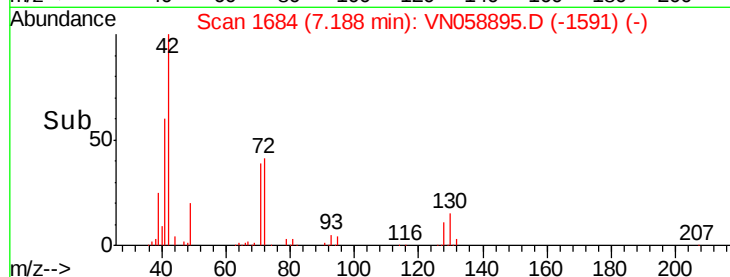
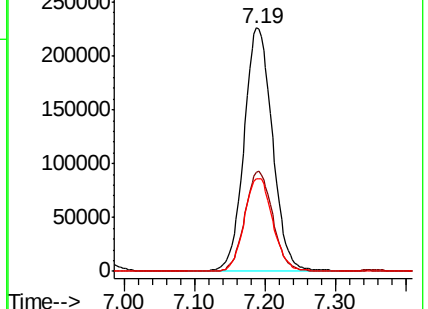
71 38.6 30.6 45.8



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: 47.878 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058895.D

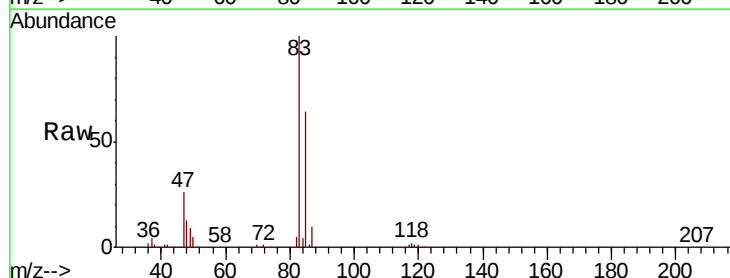
Acq: 21 Oct 2019 17:42

Tgt Ion: 83 Resp: 468900

Ion Ratio Lower Upper

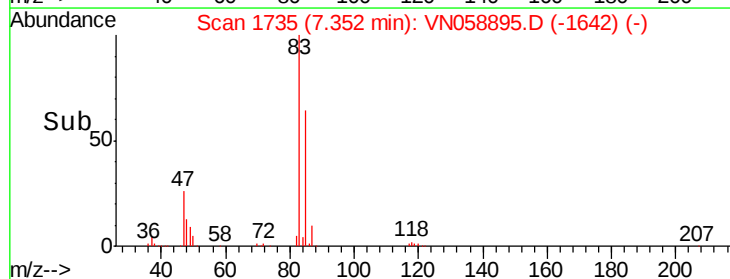
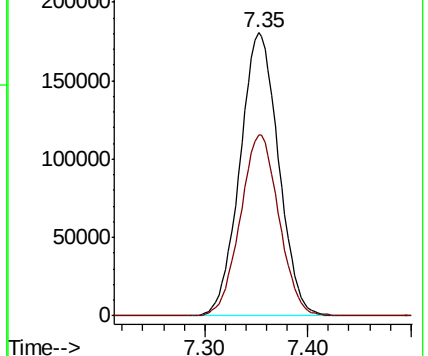
83 100

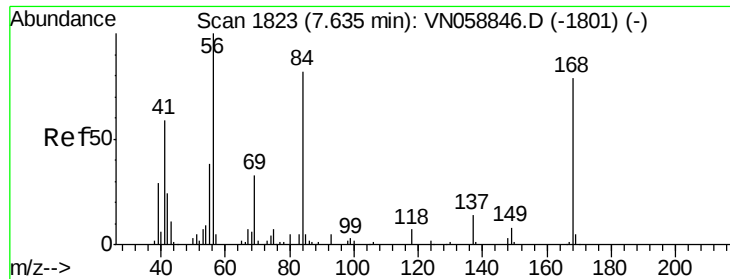
85 63.9 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

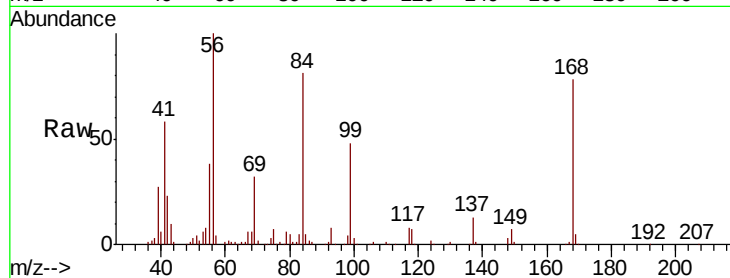




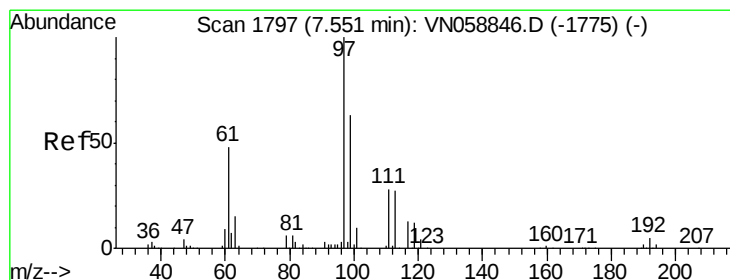
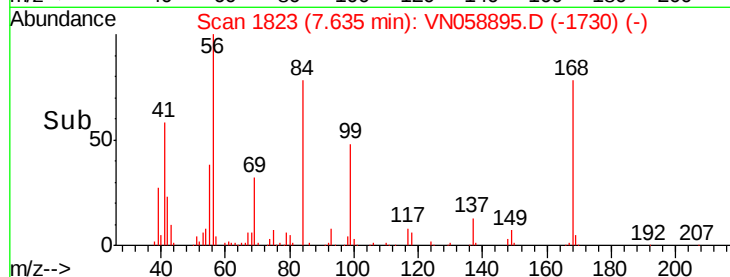
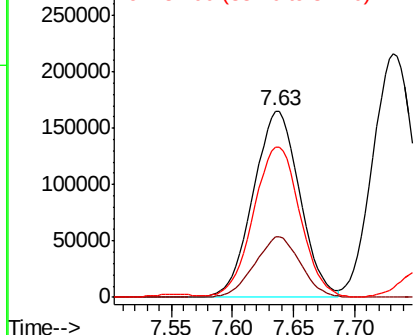
#31
Cyclohexane
Concen: 48.118 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 437663
Ion Ratio Lower Upper
56 100
69 32.4 26.2 39.4
84 79.5 65.6 98.4

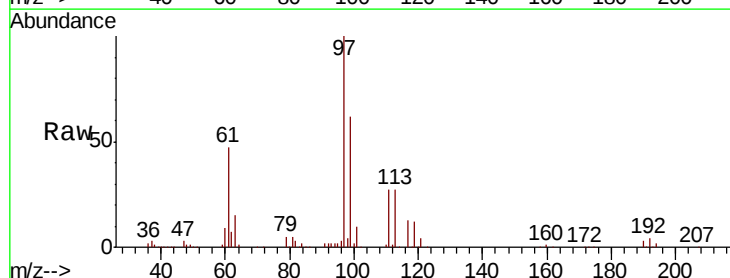


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

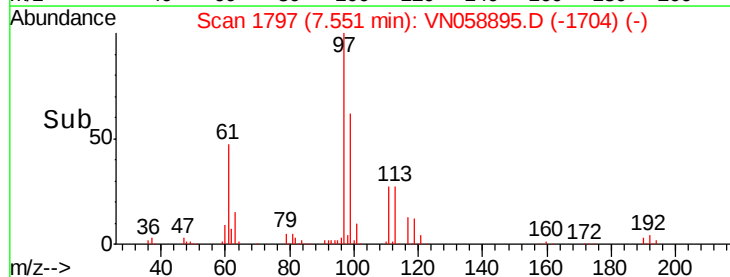
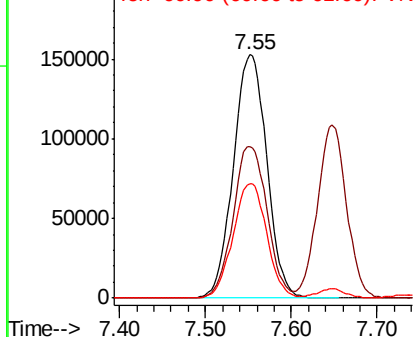


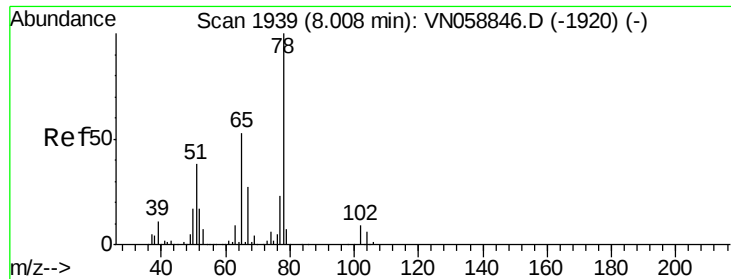
#32
1,1,1-Trichloroethane
Concen: 50.043 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 97 Resp: 413109
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.4
61 47.4 38.6 58.0



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

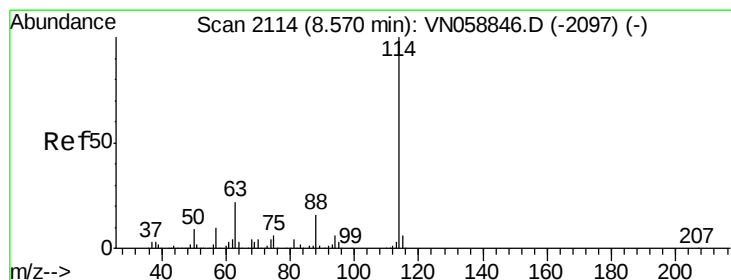
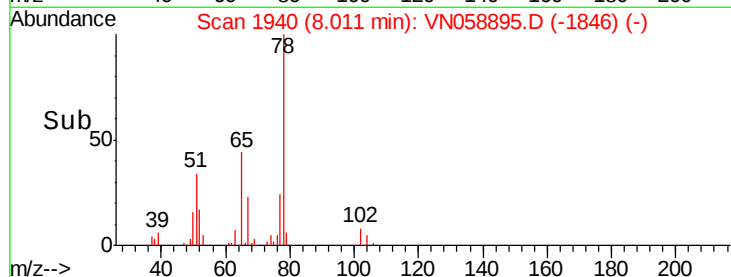
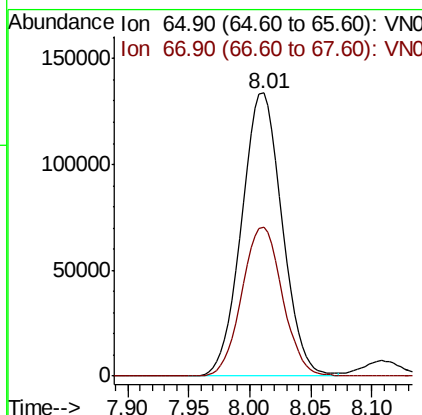
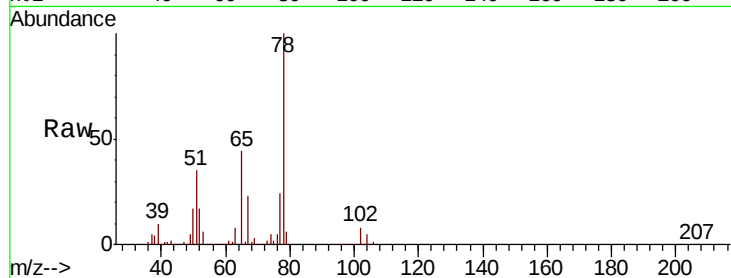




#33
 1,2-Dichloroethane-d4
 Concen: 48.643 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

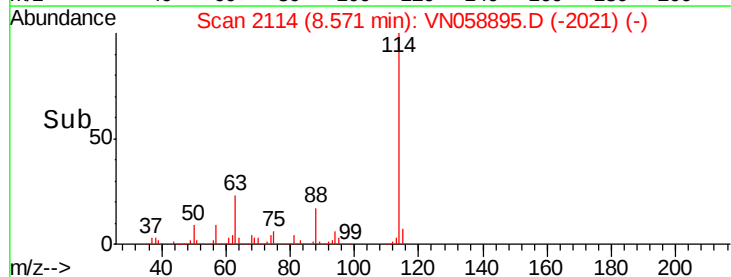
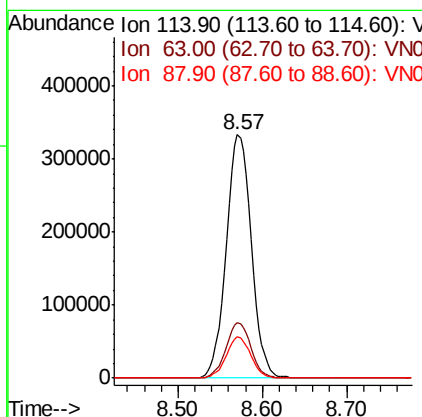
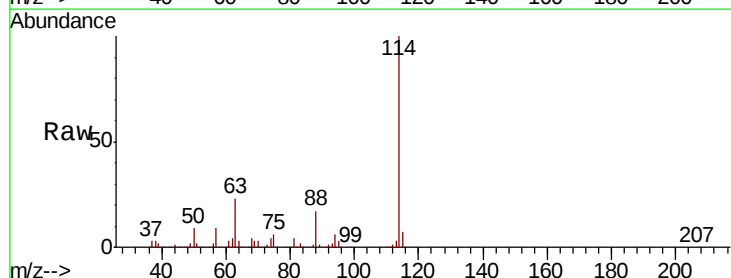
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

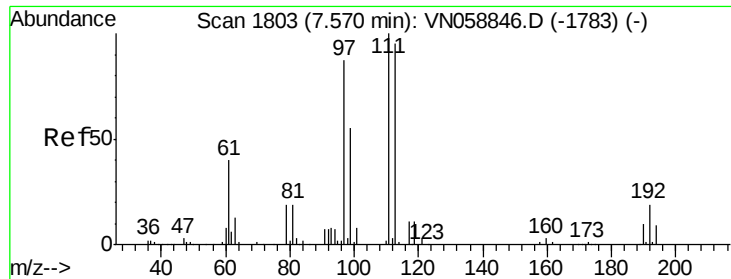
Tot Ion: 65 Resp: 307873
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion: 114 Resp: 690667
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.8 0.0 31.4

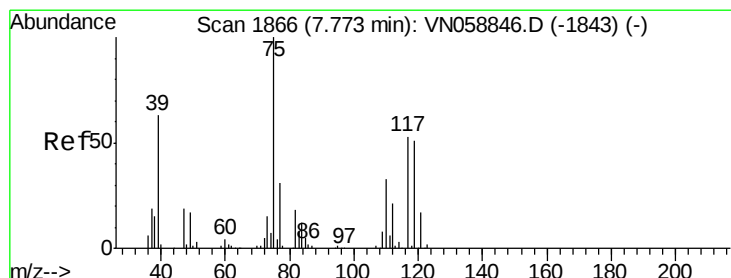
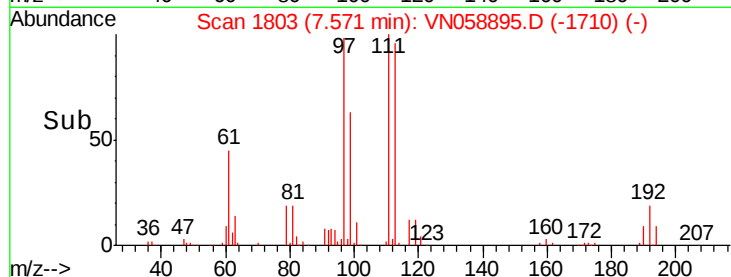
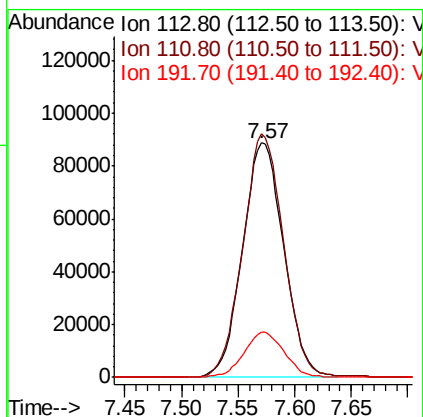
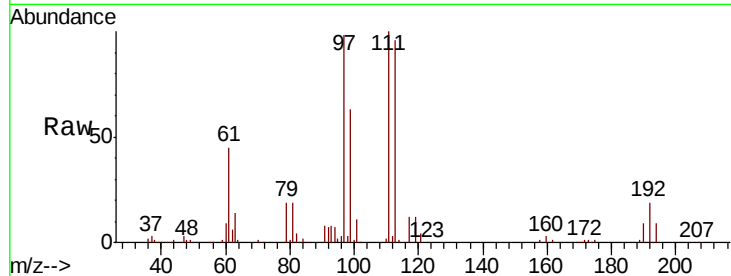




#35
Dibromofluoromethane
Concen: 49.587 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

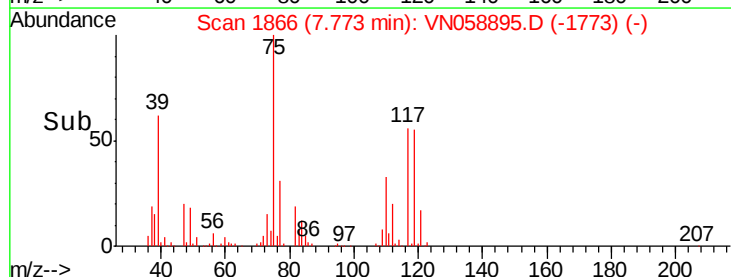
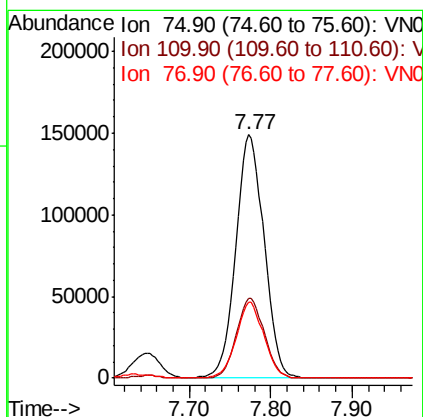
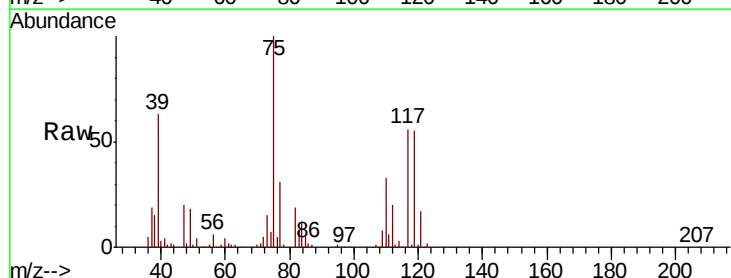
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

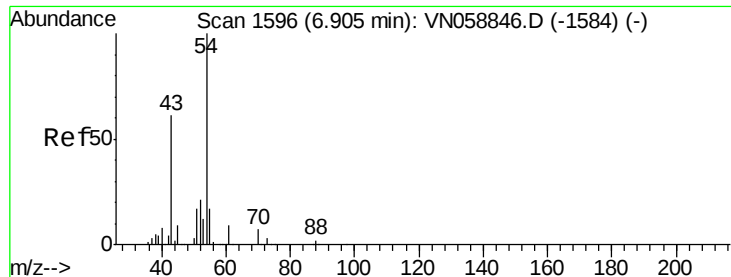
Tot Ion:113 Resp: 225174
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 18.8 15.0 22.6



#36
1,1-Dichloropropene
Concen: 50.721 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 75 Resp: 358650
Ion Ratio Lower Upper
75 100
110 32.3 16.3 48.9
77 30.7 24.6 36.8

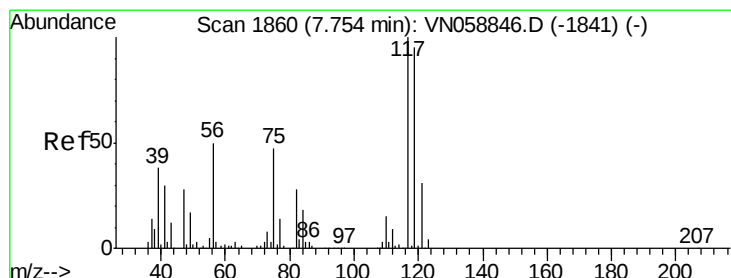
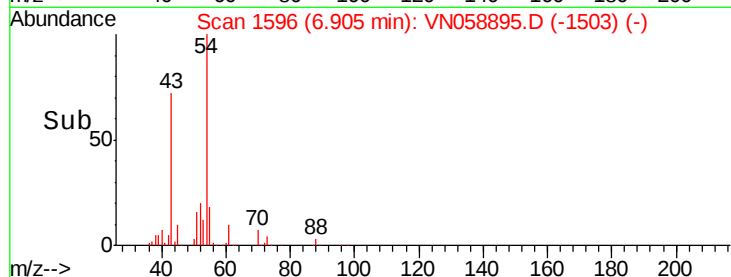
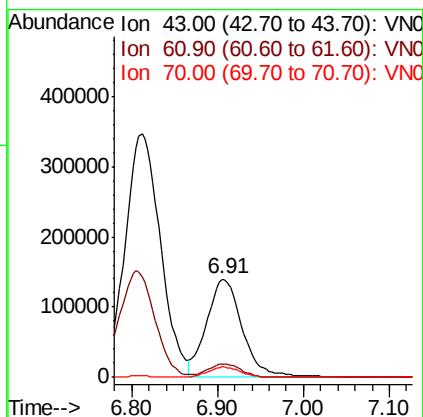
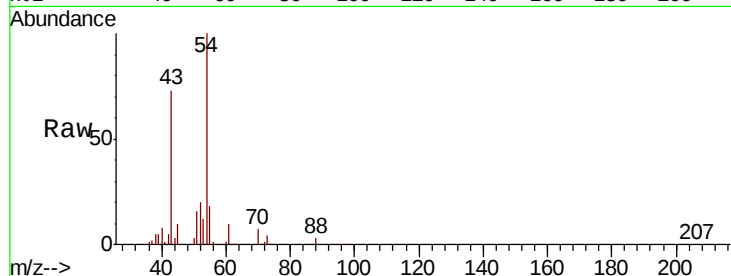




#37
Ethyl Acetate
Concen: 51.733 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

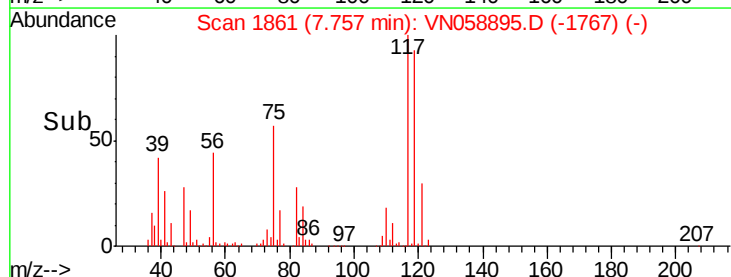
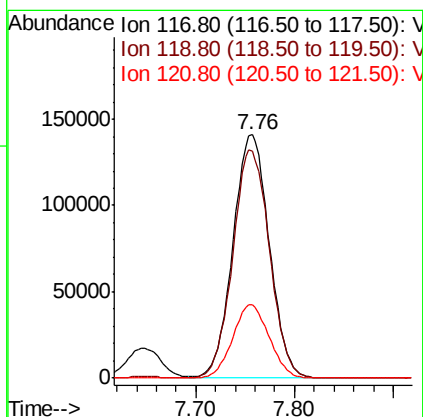
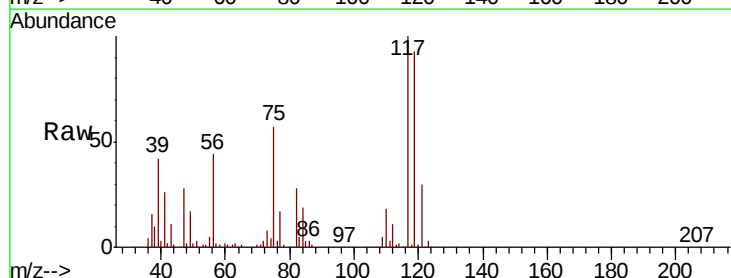
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

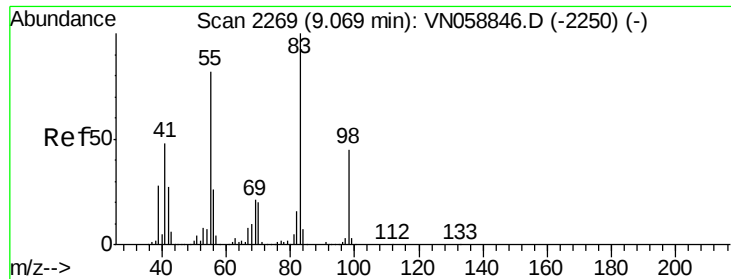
Tot Ion: 43 Resp: 398584
Ion Ratio Lower Upper
43 100
61 12.8 10.5 15.7
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.589 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 117 Resp: 361233
Ion Ratio Lower Upper
117 100
119 93.1 75.7 113.5
121 30.3 25.0 37.6

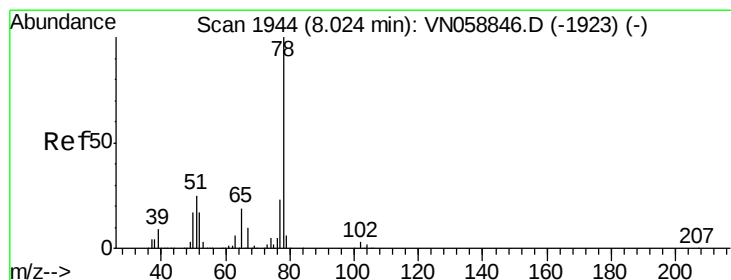
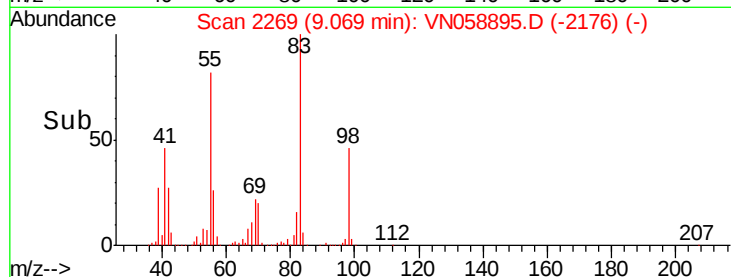
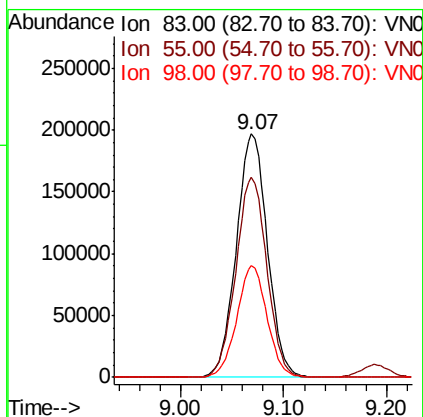
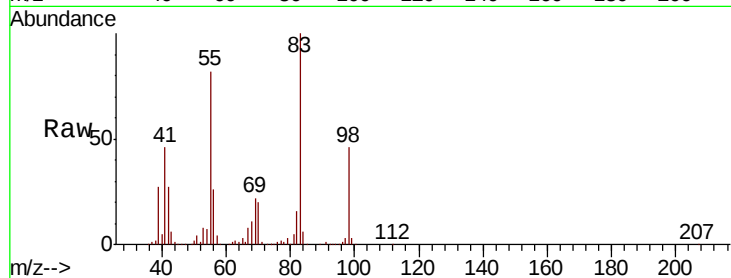




#39
Methvlcvclohexane
Concen: 51.981 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

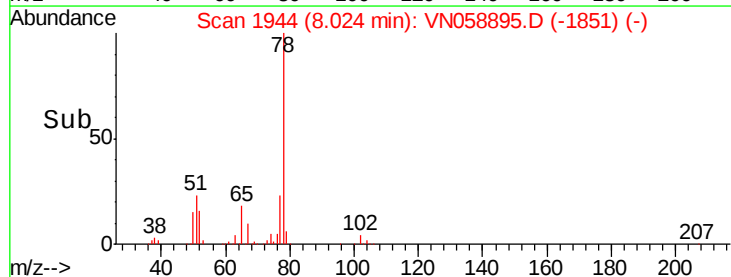
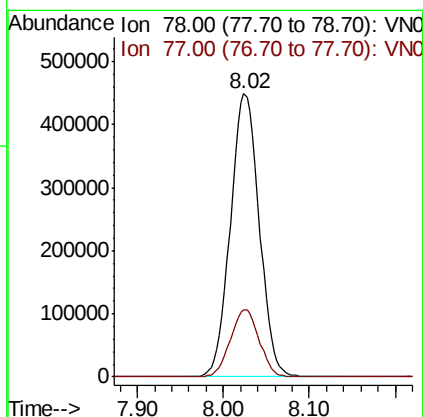
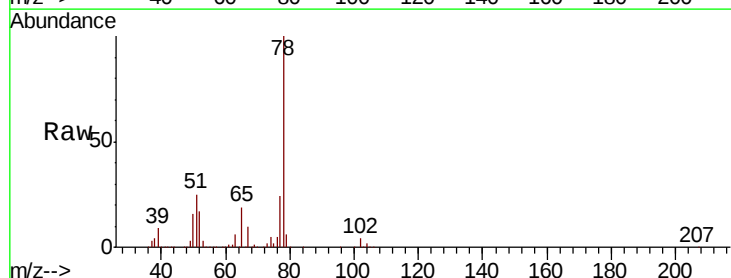
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

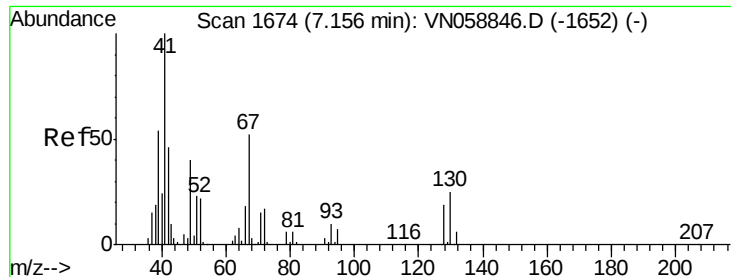
Tot Ion: 83 Resp: 412715
Ion Ratio Lower Upper
83 100
55 82.0 65.5 98.3
98 46.1 35.7 53.5



#40
Benzene
Concen: 50.396 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 78 Resp: 1046421
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

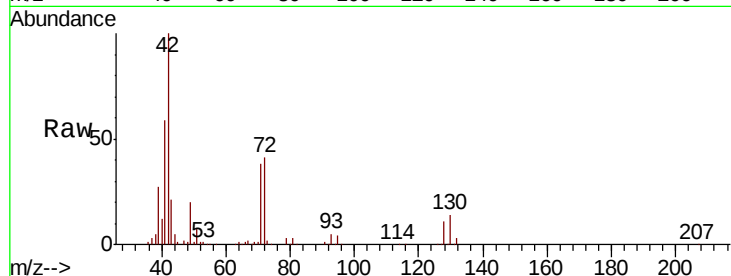




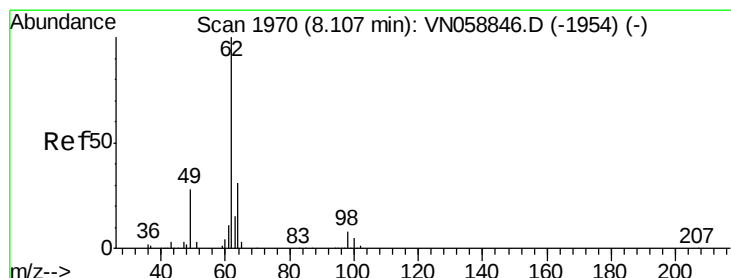
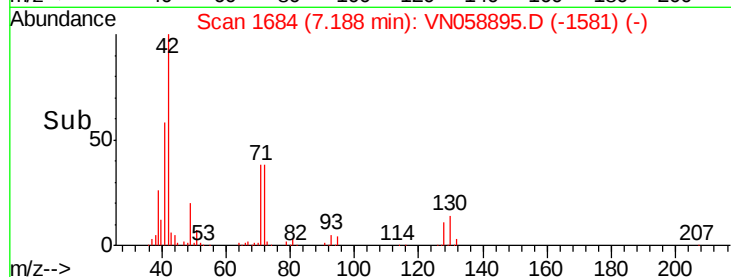
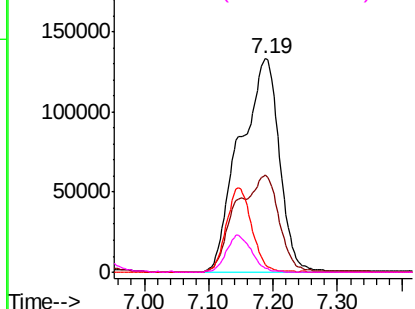
#41
Methacrylonitrile
Concen: 166.477 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	571269
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

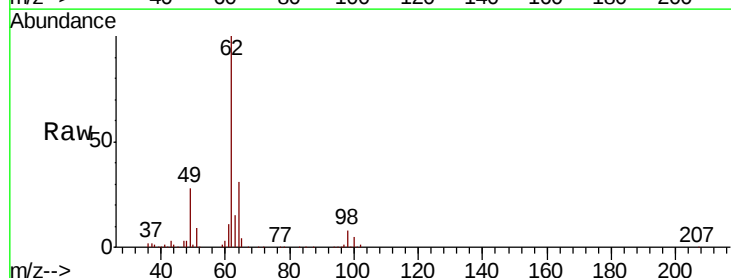


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

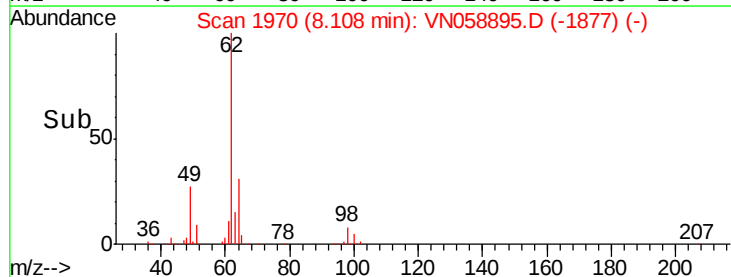
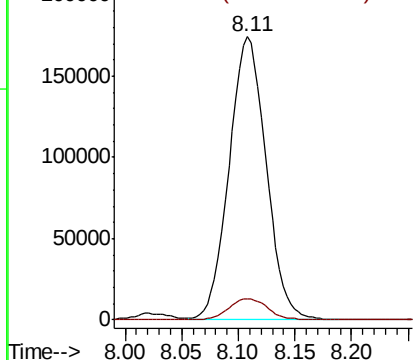


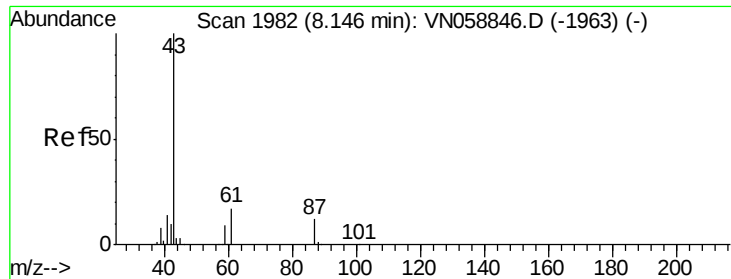
#42
1,2-Dichloroethane
Concen: 49.550 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion:	62	Resp:	396322
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 51.905 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

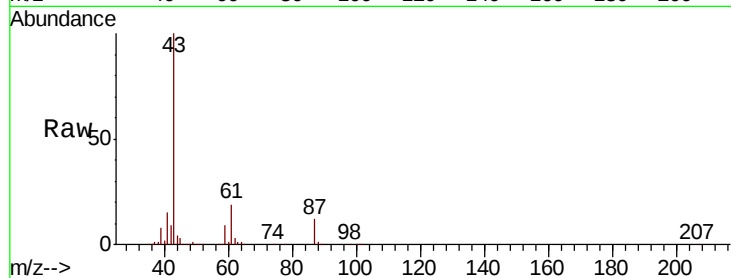
Tot Ion: 43 Resp: 641371

Ion Ratio Lower Upper

43 100

61 25.3 20.2 30.2

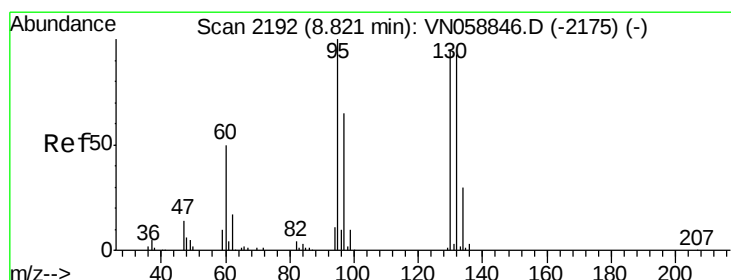
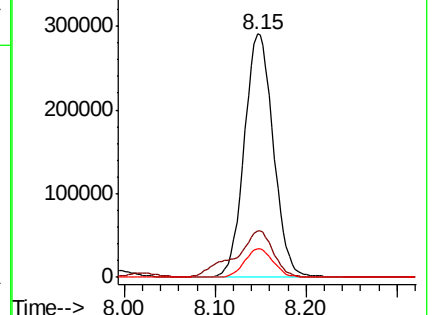
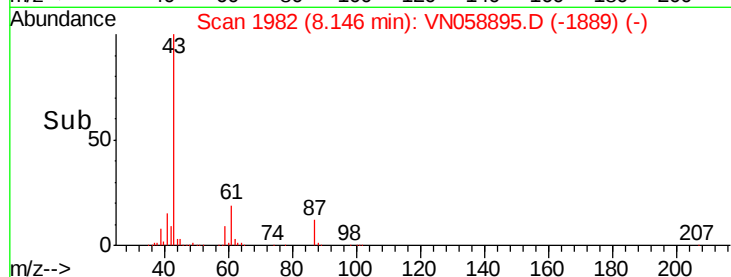
87 11.6 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058895.D (-1889) (-)

Ion 61.00 (60.70 to 61.70): VN058895.D (-1889) (-)

Ion 87.00 (86.70 to 87.70): VN058895.D (-1889) (-)



#44

Trichloroethene

Concen: 50.615 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058895.D

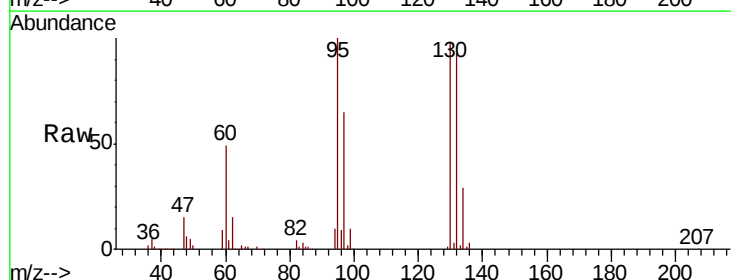
Acq: 21 Oct 2019 17:42

Tgt Ion: 130 Resp: 256011

Ion Ratio Lower Upper

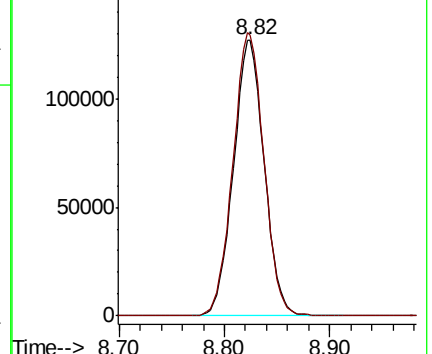
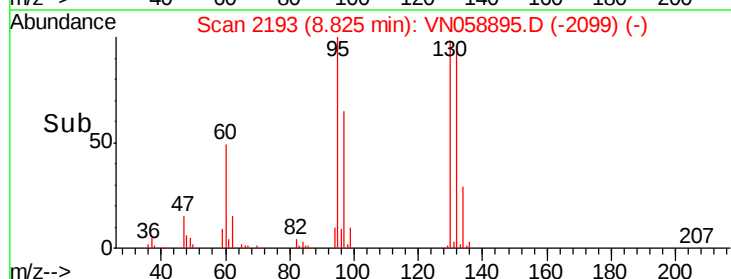
130 100

95 102.1 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058895.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN058895.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 50.815 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

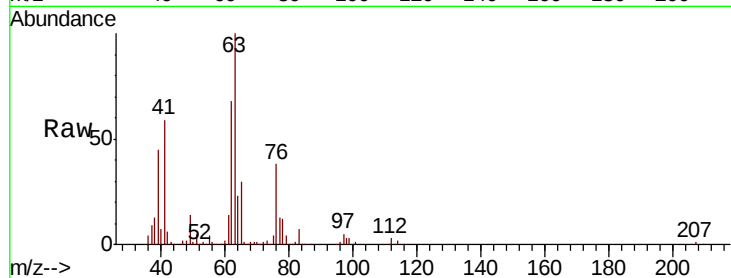
VSTDCCC050EC

Tot Ion: 63 Resp: 289326

Ion Ratio Lower Upper

63 100

65 29.7 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

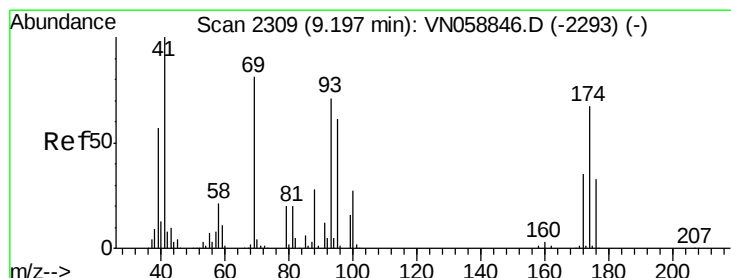
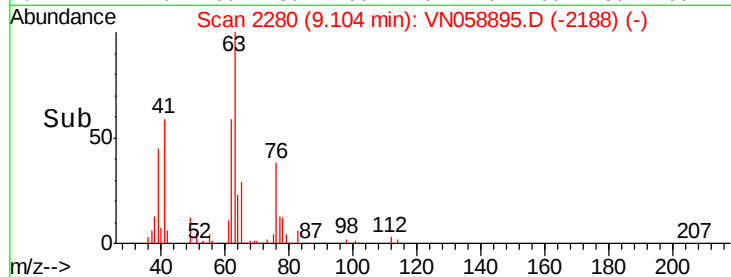
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.513 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

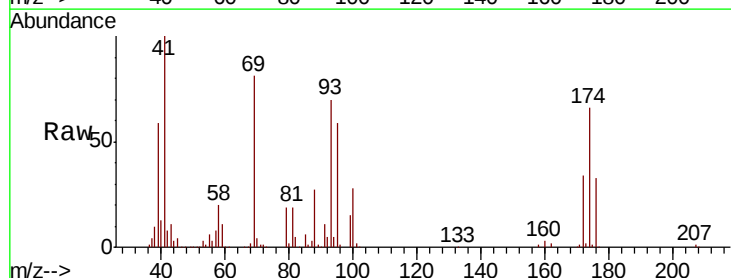
Tgt Ion: 93 Resp: 178220

Ion Ratio Lower Upper

93 100

95 83.3 67.6 101.4

174 93.5 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

120000

100000

80000

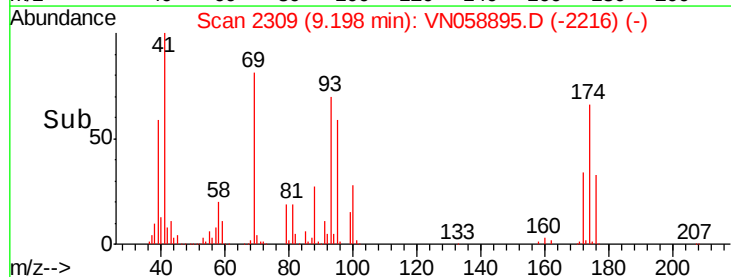
60000

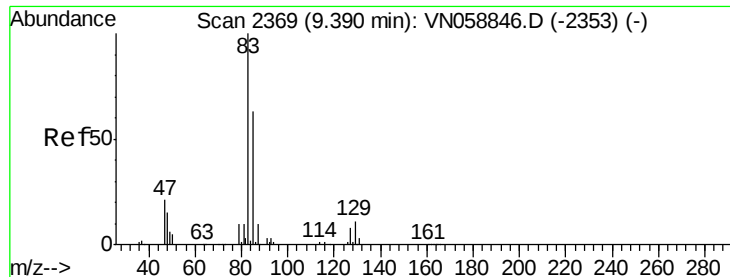
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.612 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

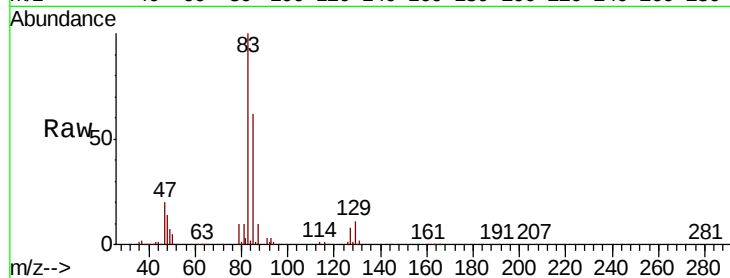
Tot Ion: 83 Resp: 375477

Ion Ratio Lower Upper

83 100

85 62.0 50.6 75.8

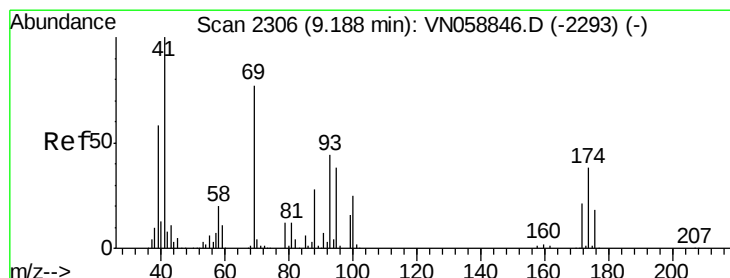
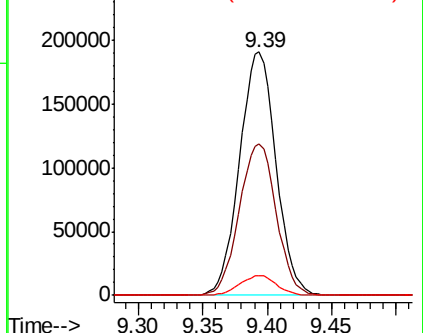
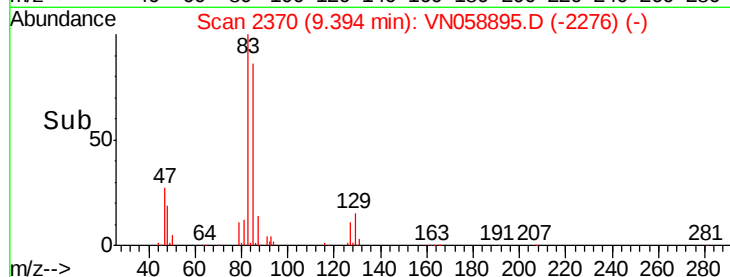
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058895.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN058895.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN058895.D (-2276) (-)



#48

Methyl methacrylate

Concen: 52.694 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

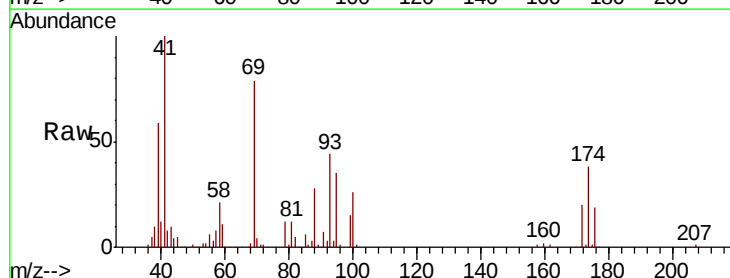
Tgt Ion: 41 Resp: 295414

Ion Ratio Lower Upper

41 100

69 81.1 63.8 95.6

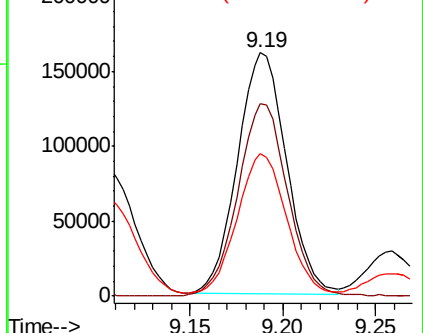
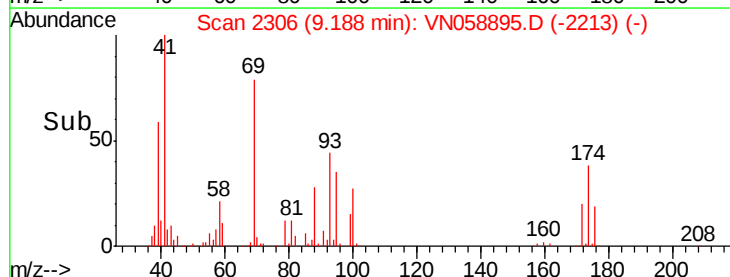
39 59.7 47.8 71.8

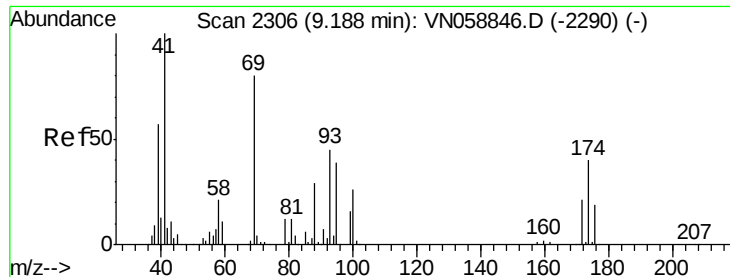


Abundance Ion 41.00 (40.70 to 41.70): VN058895.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058895.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058895.D (-2213) (-)

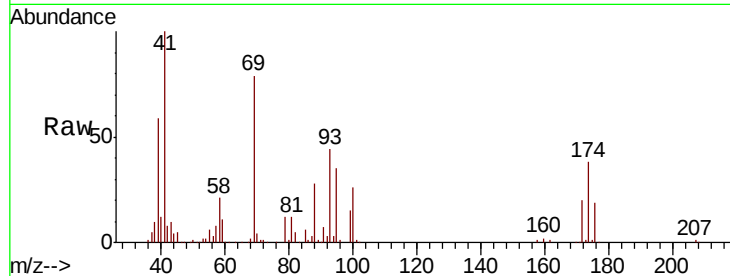




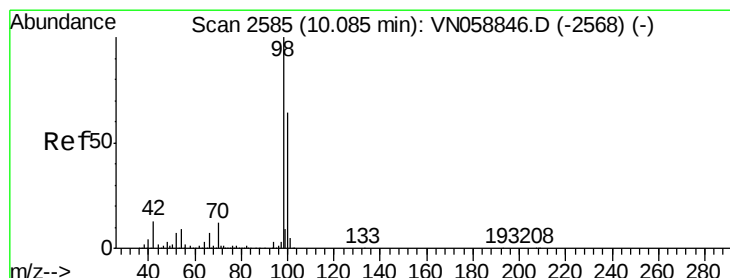
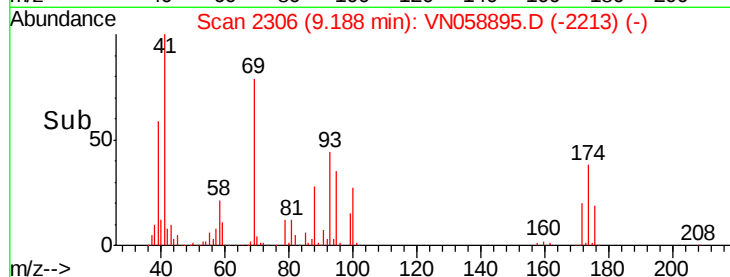
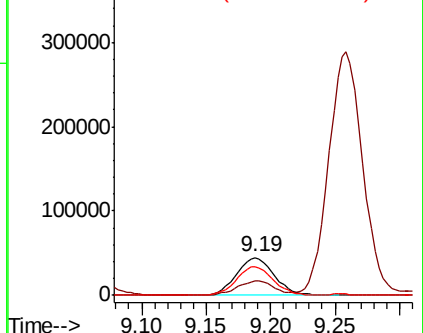
#49
1,4-Dioxane
Concen: 989.348 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 91050
Ion Ratio Lower Upper
88 100
43 36.6 29.1 43.7
58 74.2 59.4 89.0

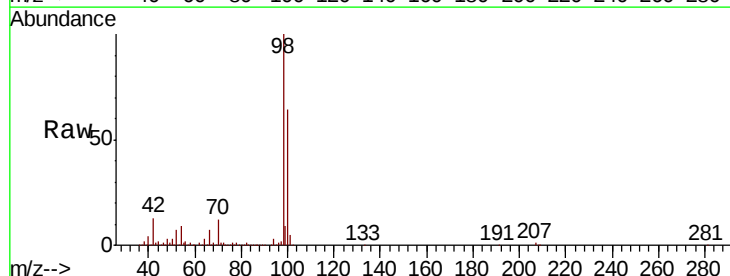


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

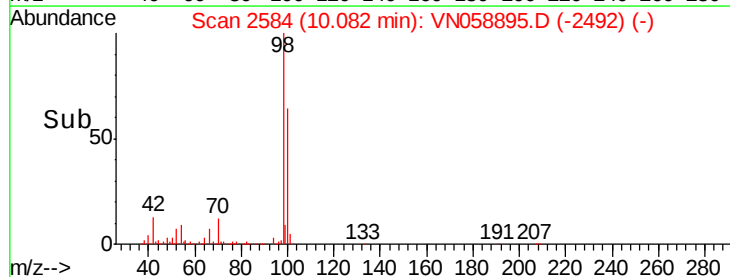
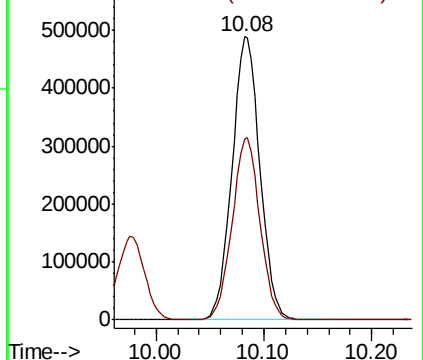


#50
Toluene-d8
Concen: 49.861 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 98 Resp: 878911
Ion Ratio Lower Upper
98 100
100 64.1 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: 274.209 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

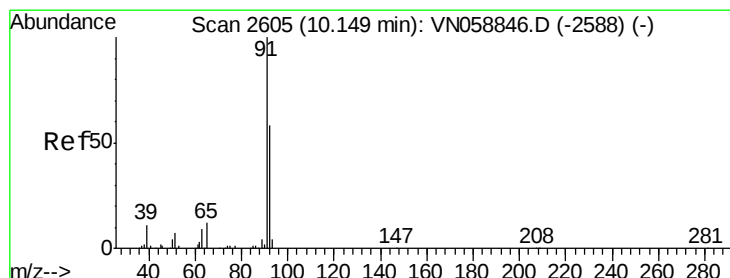
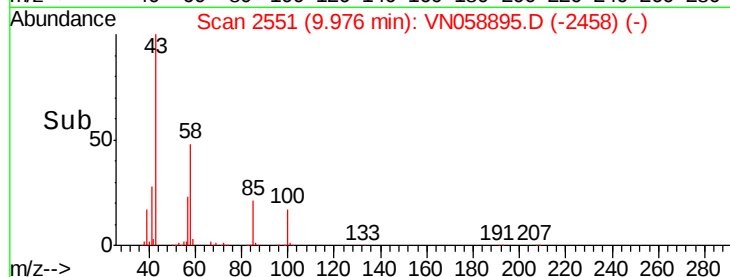
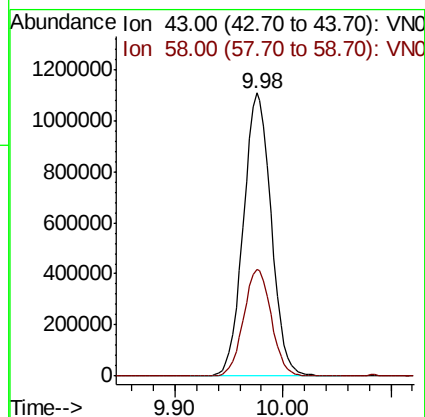
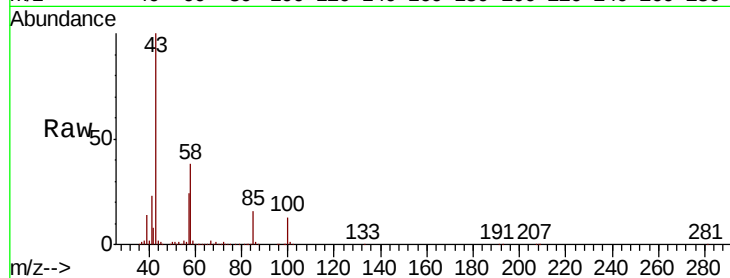
VSTDCCC050EC

Tot Ion: 43 Resp: 1979082

Ion Ratio Lower Upper

43 100

58 37.7 29.9 44.9



#52

Toluene

Concen: 52.653 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058895.D

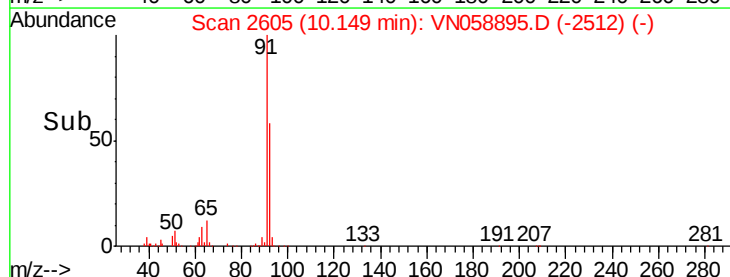
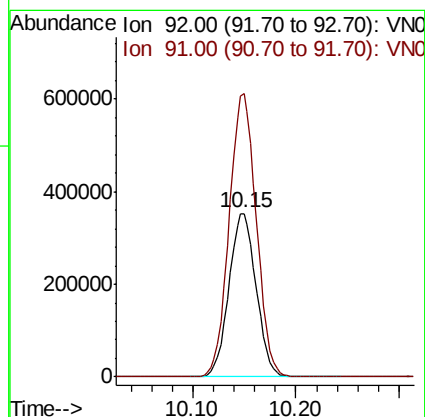
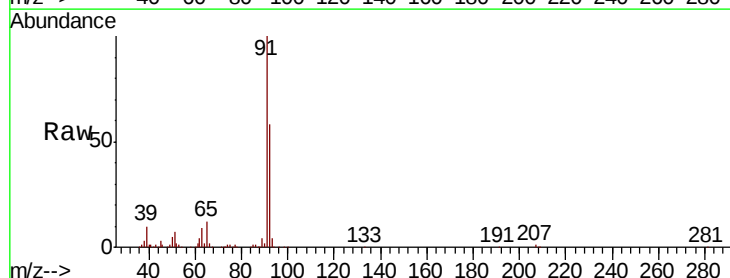
Acq: 21 Oct 2019 17:42

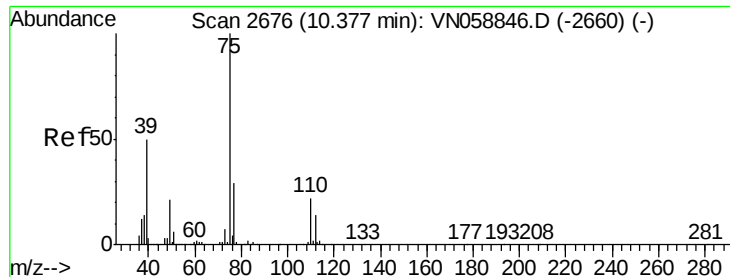
Tgt Ion: 92 Resp: 648335

Ion Ratio Lower Upper

92 100

91 173.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 52.069 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

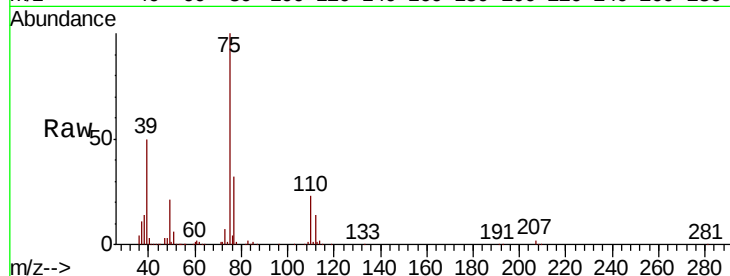
VSTDCCC050EC

Tot Ion: 75 Resp: 427621

Ion Ratio Lower Upper

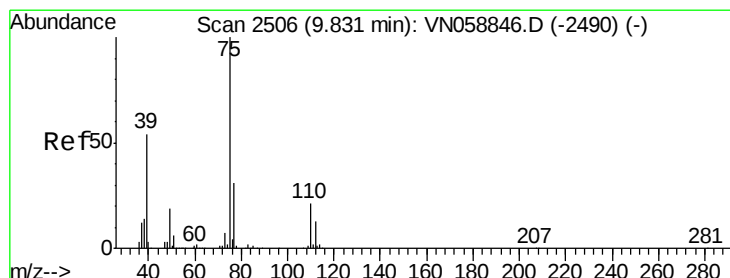
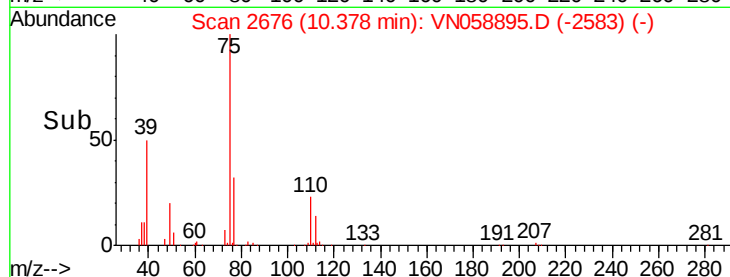
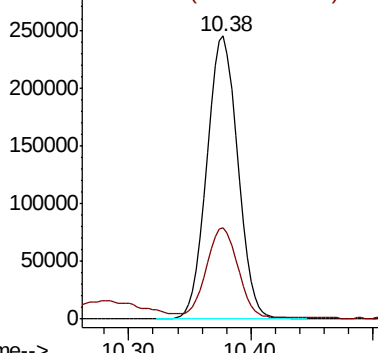
75 100

77 31.9 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: 52.085 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

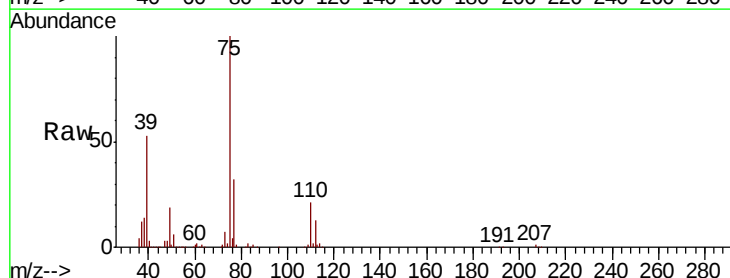
Tgt Ion: 75 Resp: 457002

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

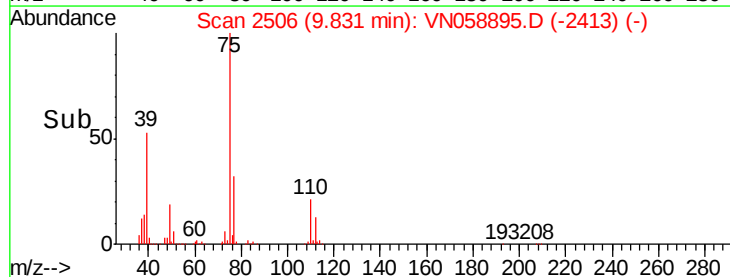
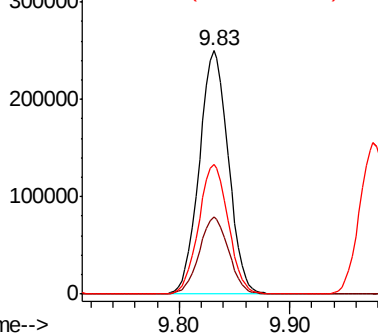
39 53.4 43.5 65.3

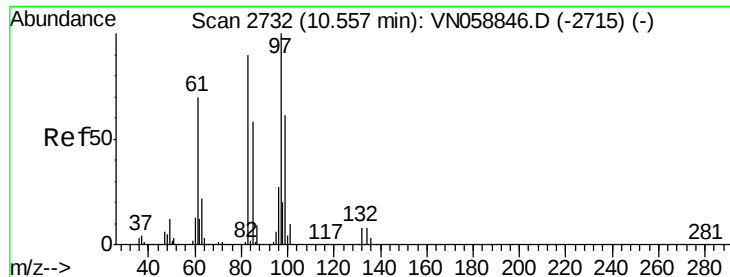


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

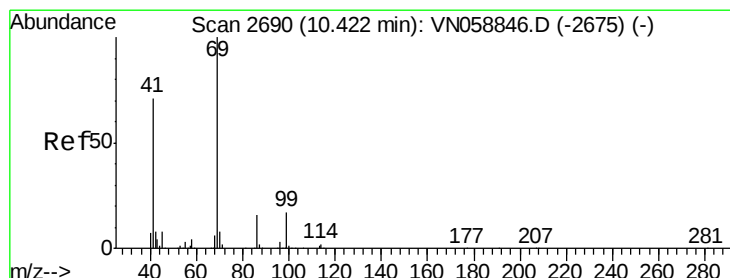
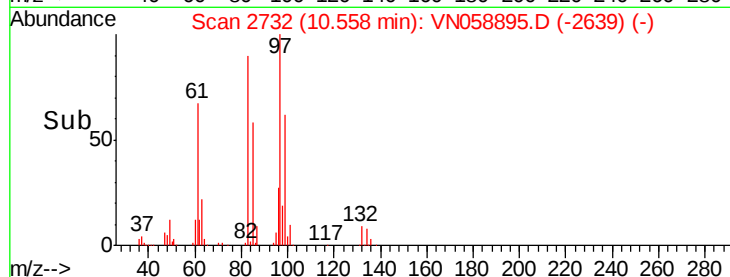
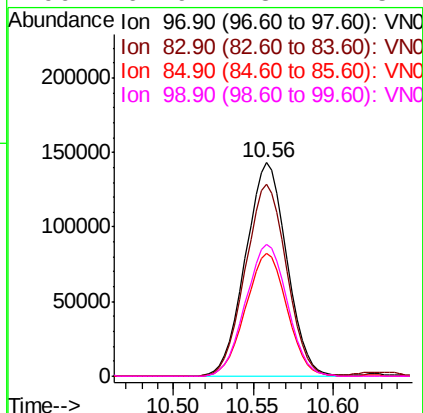
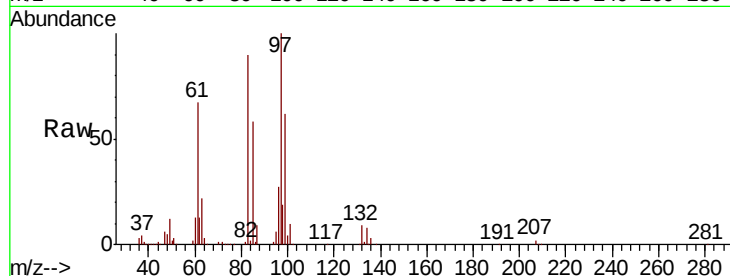




#55
 1,1,2-Trichloroethane
 Concen: 49.856 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

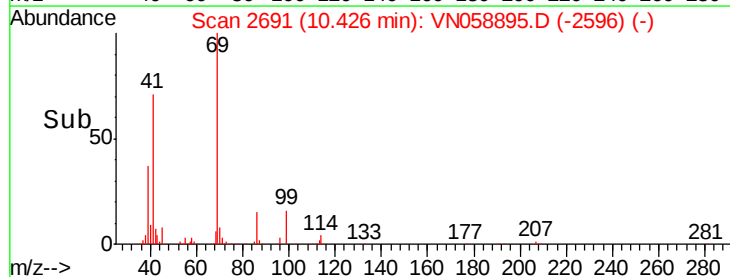
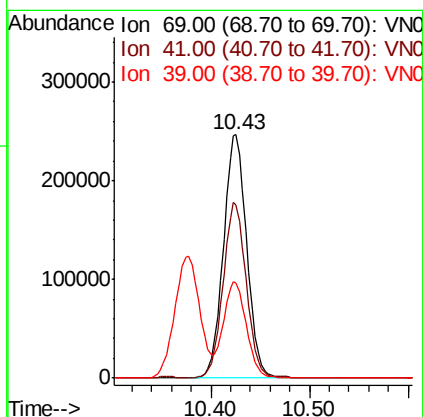
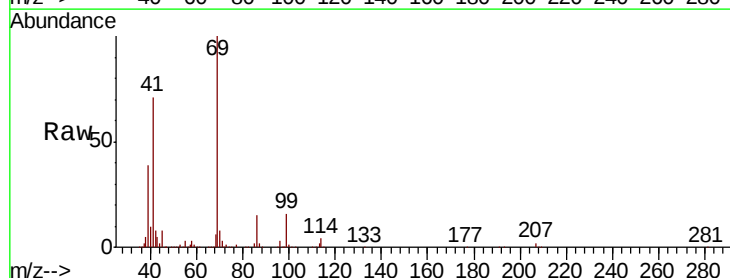
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

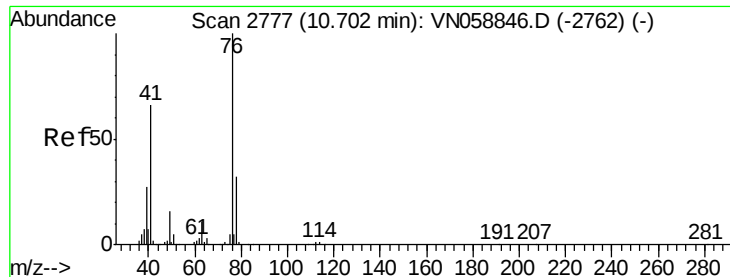
Tot Ion: 97 Resp: 252892
 Ion Ratio Lower Upper
 97 100
 83 89.8 72.2 108.4
 85 57.8 46.2 69.2
 99 61.9 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 48.231 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion: 69 Resp: 410301
 Ion Ratio Lower Upper
 69 100
 41 70.9 57.2 85.8
 39 39.8 31.0 46.4





#57

1,3-Dichloropropane

Concen: 50.786 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

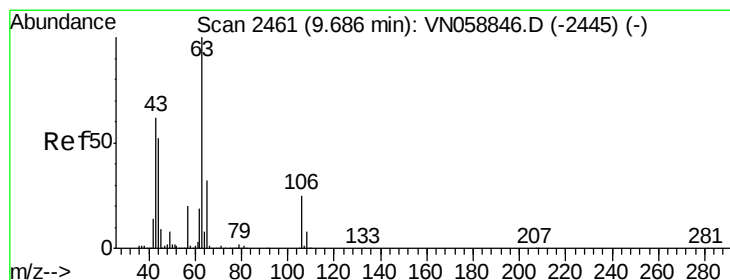
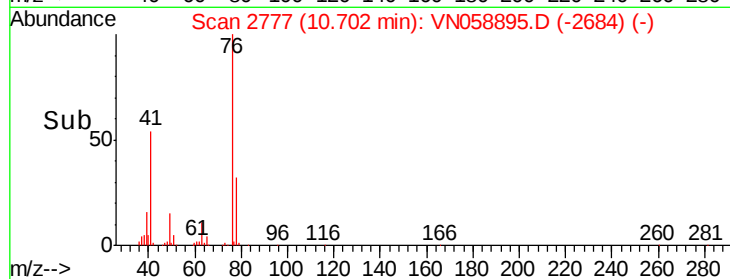
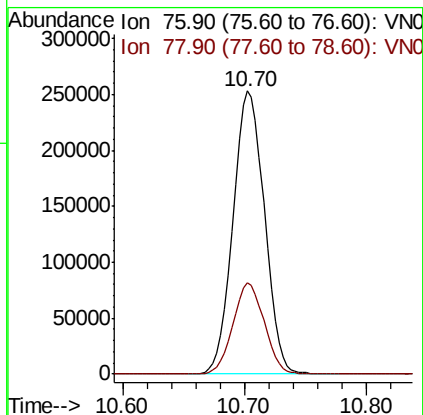
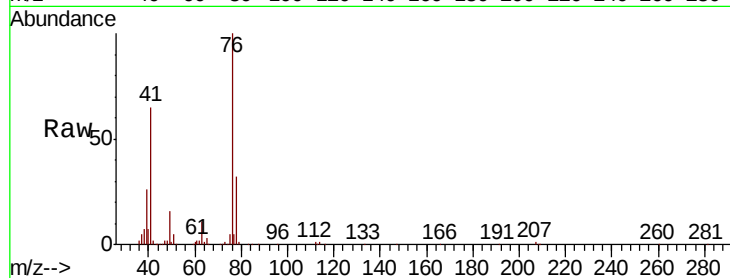
VSTDCCC050EC

Tot Ion: 76 Resp: 452134

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 245.619 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058895.D

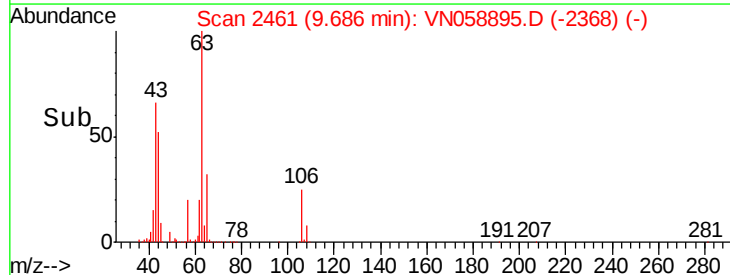
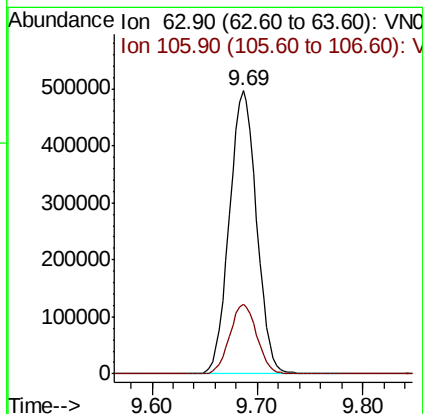
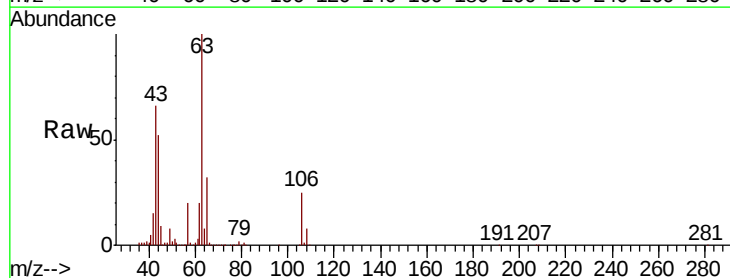
Acq: 21 Oct 2019 17:42

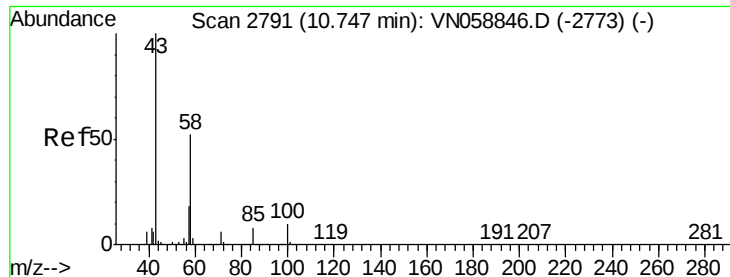
Tgt Ion: 63 Resp: 883385

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8

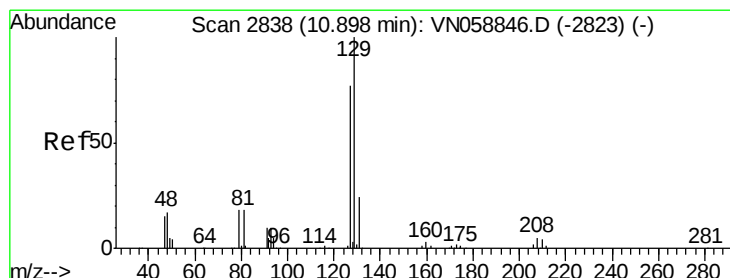
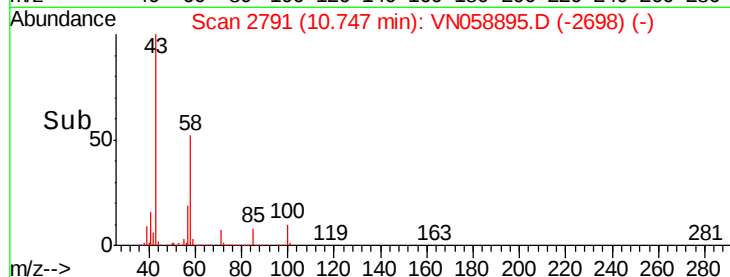
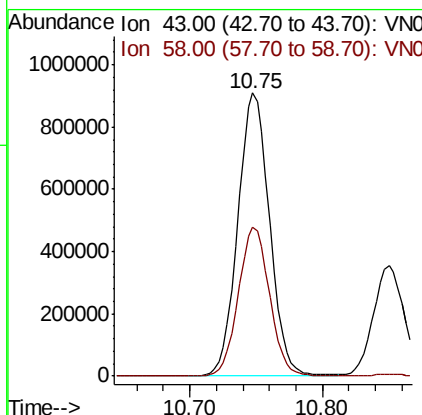
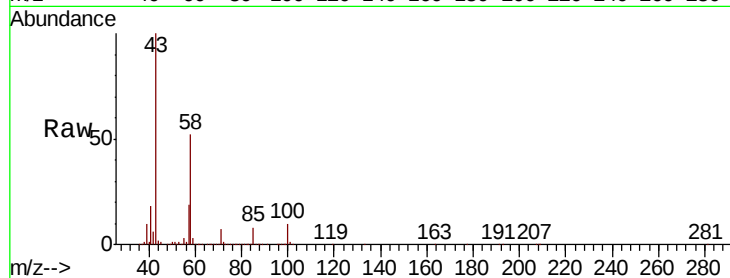




#59
2-Hexanone
Concen: 270.468 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

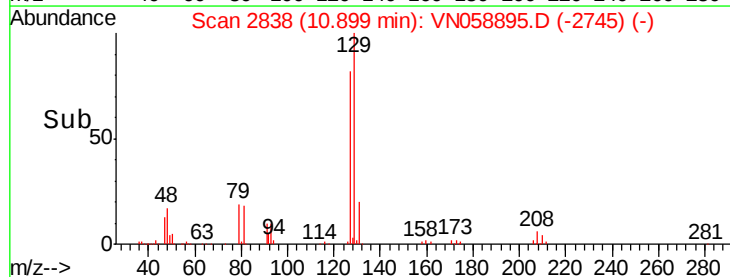
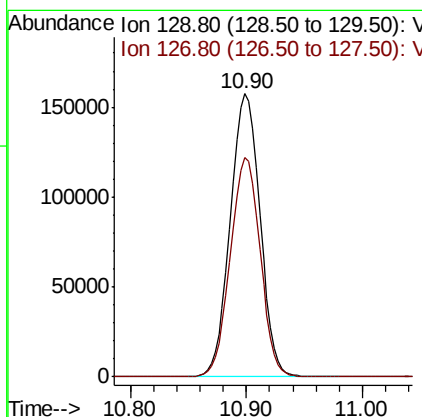
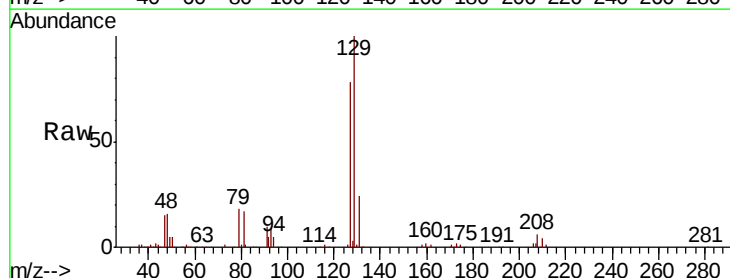
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

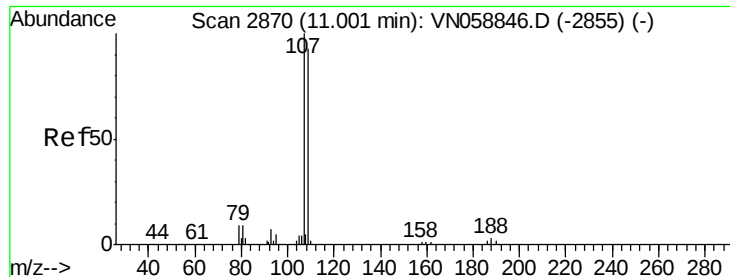
Tot Ion: 43 Resp: 1508439
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7



#60
Dibromochloromethane
Concen: 51.185 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 129 Resp: 279459
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3

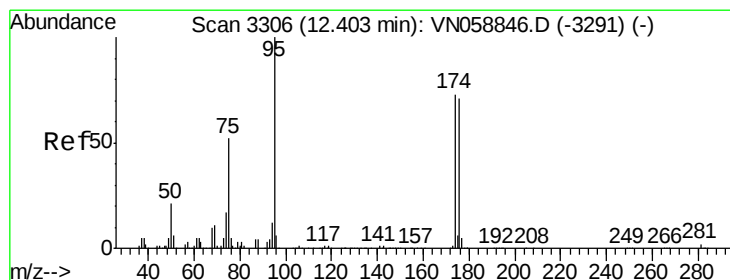
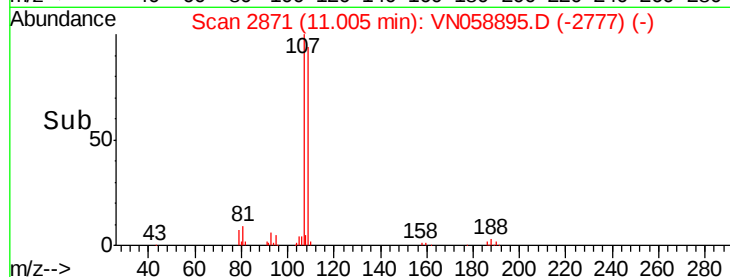
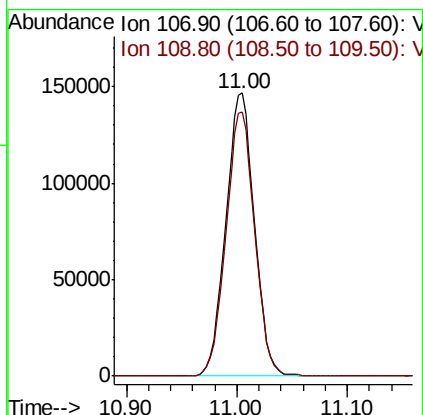
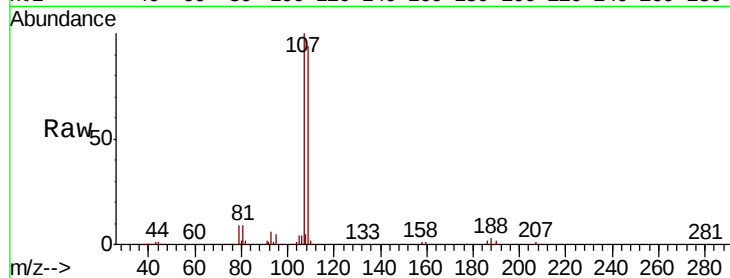




#61
 1,2-Dibromoethane
 Concen: 50.551 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

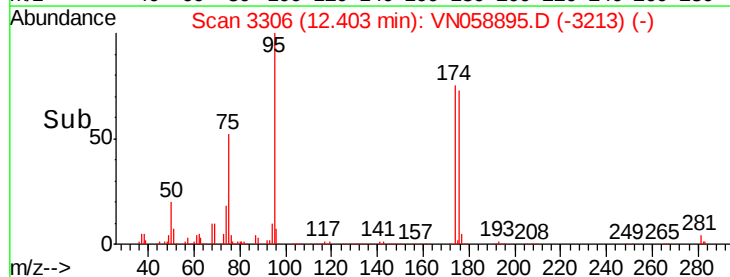
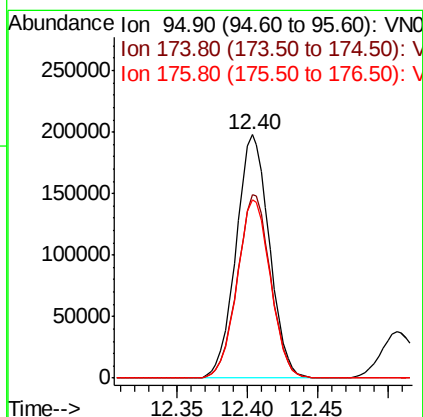
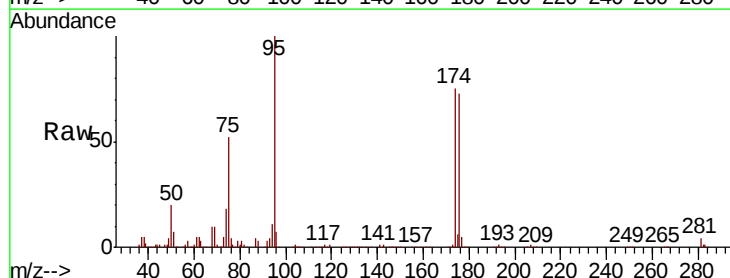
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

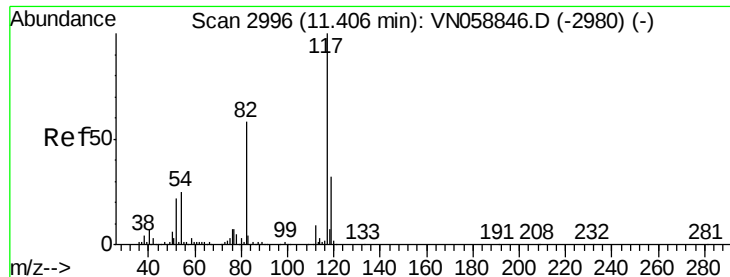
Tot Ion:107 Resp: 262414
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.561 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion: 95 Resp: 327292
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 147.6
 176 73.6 0.0 143.2

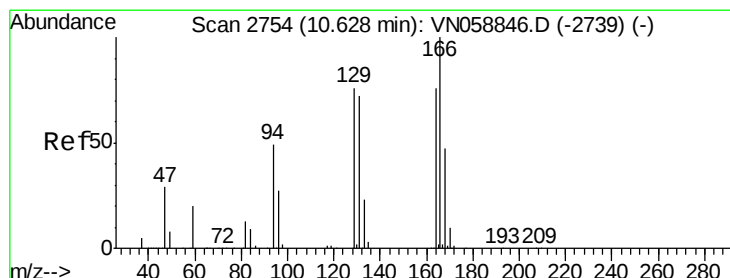
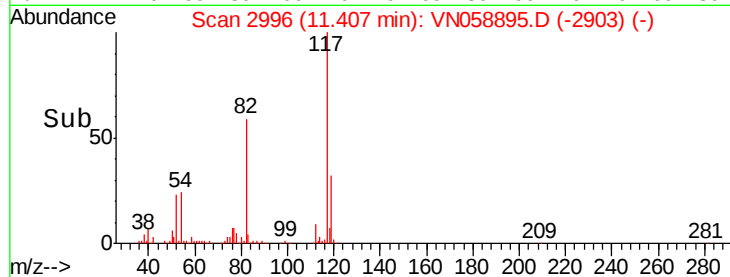
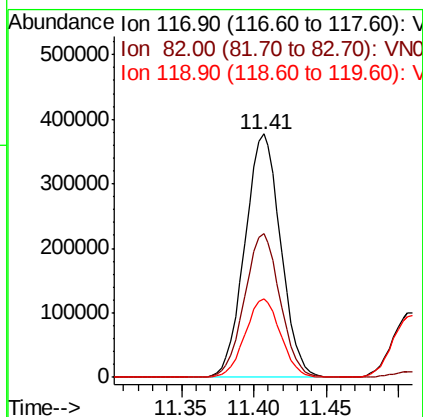
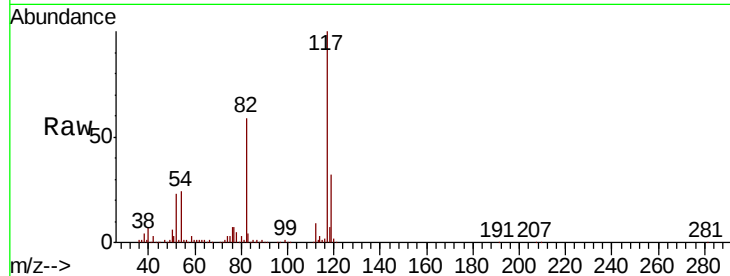




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

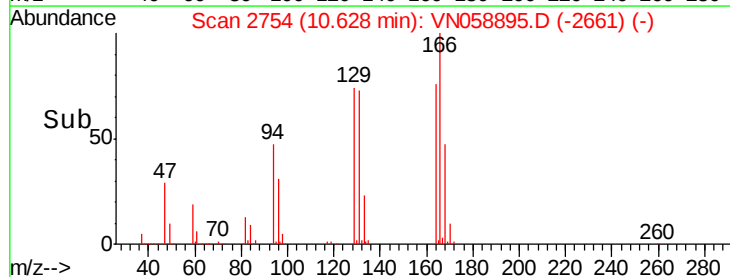
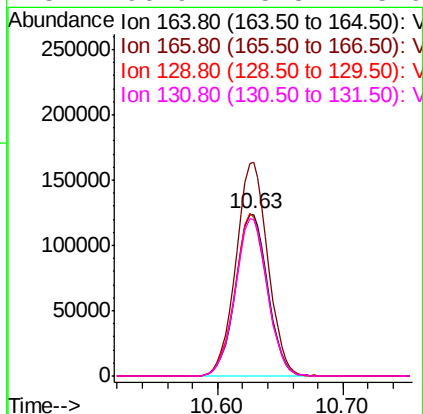
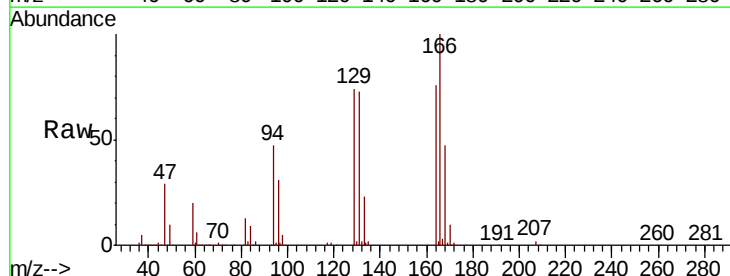
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

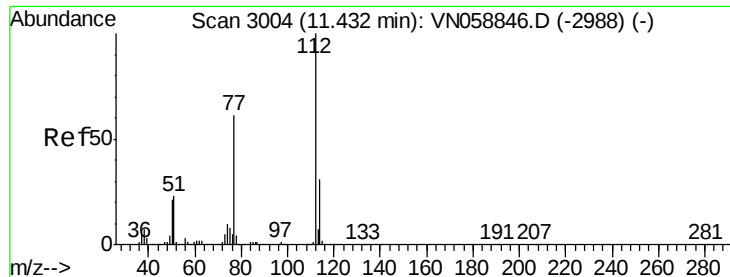
Tot Ion:117 Resp: 647945
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 48.690 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion:164 Resp: 220943
Ion Ratio Lower Upper
164 100
166 132.0 104.8 157.2
129 98.0 79.3 118.9
131 96.9 75.8 113.6

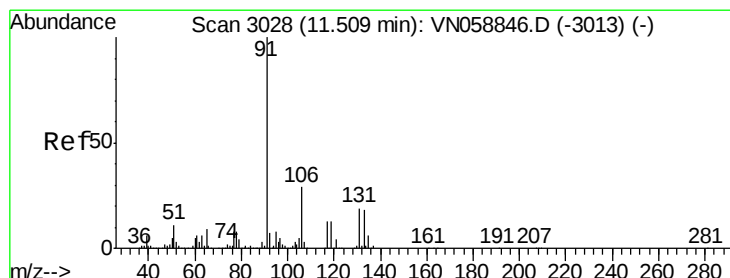
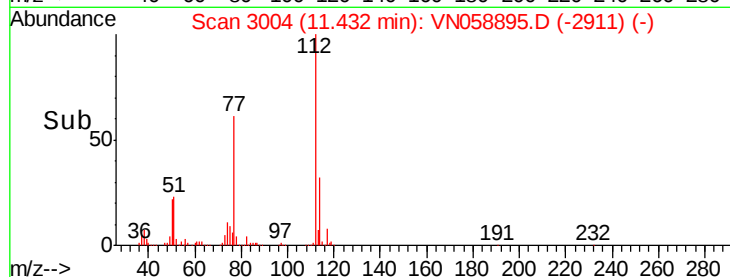
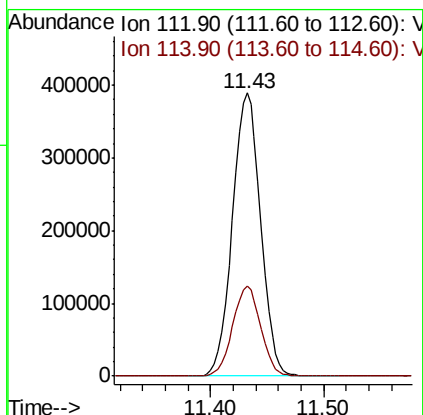
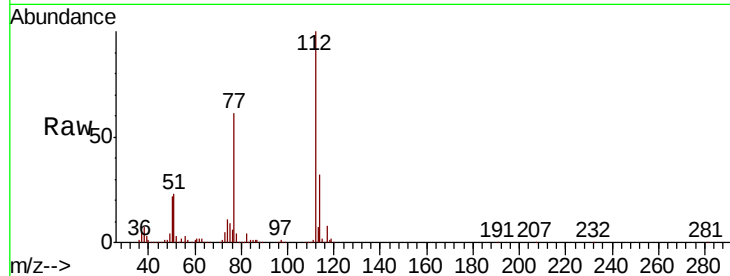




#65
Chlorobenzene
Concen: 51.128 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

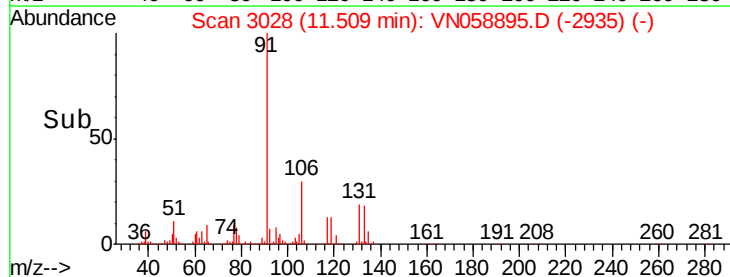
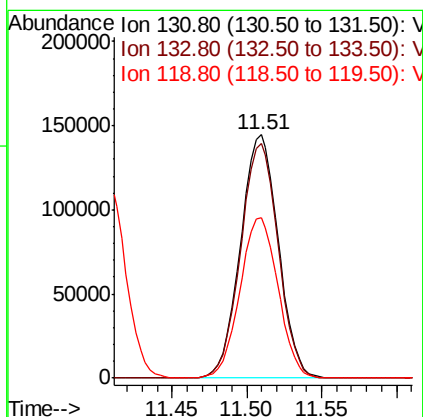
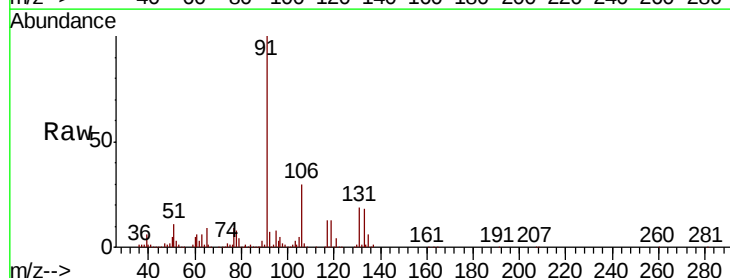
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

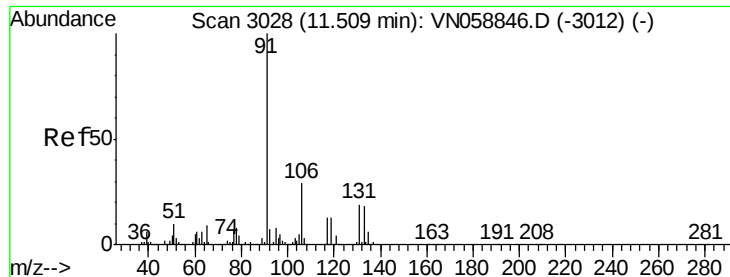
Tot Ion:112 Resp: 674439
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.003 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion:131 Resp: 253887
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.2
119 66.7 33.6 100.8





#67

Ethyl Benzene

Concen: 54.684 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

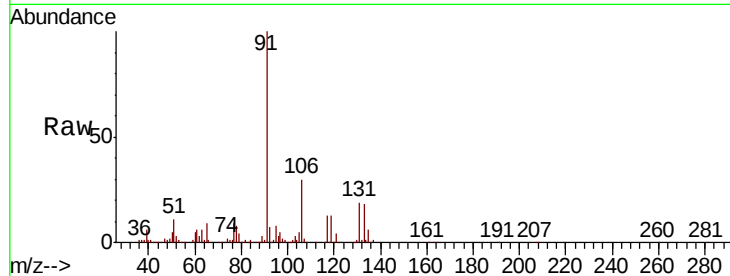
VSTDCCC050EC

Tot Ion: 91 Resp: 1265420

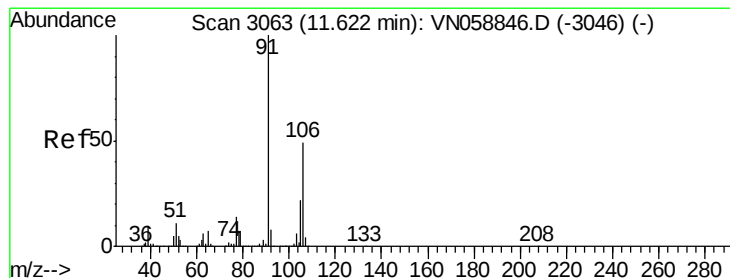
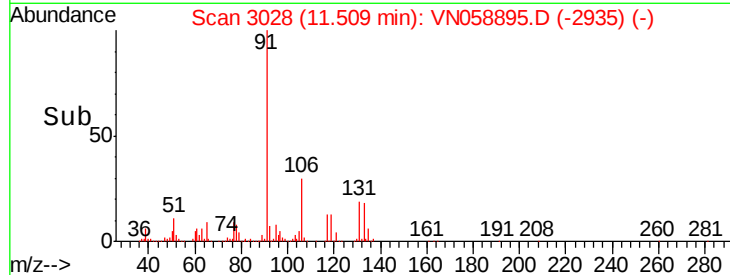
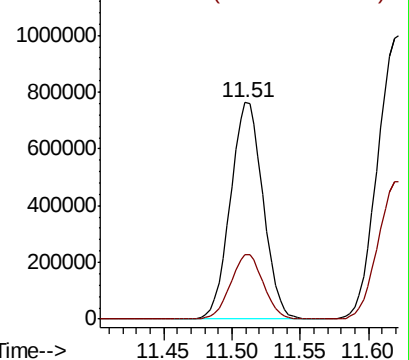
Ion Ratio Lower Upper

91 100

106 30.1 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058895.D (-2935) (-)



#68

m/p-Xylenes

Concen: 108.852 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058895.D

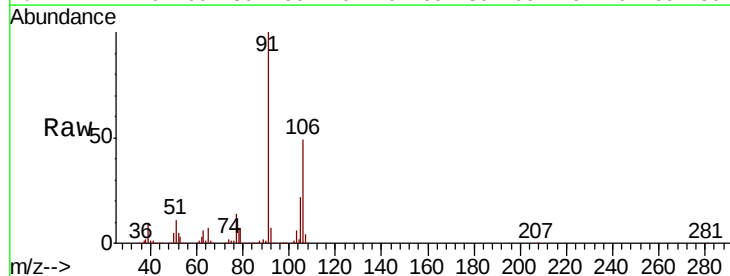
Acq: 21 Oct 2019 17:42

Tgt Ion: 106 Resp: 934121

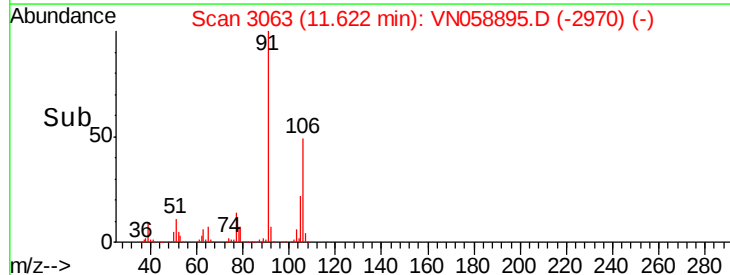
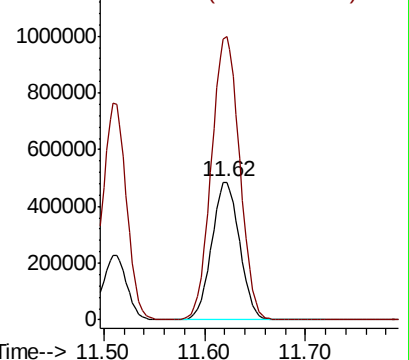
Ion Ratio Lower Upper

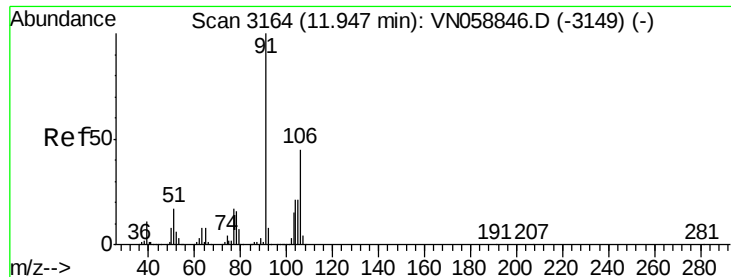
106 100

91 208.1 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058895.D (-2970) (-)





#69

o-Xylene

Concen: 54.416 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

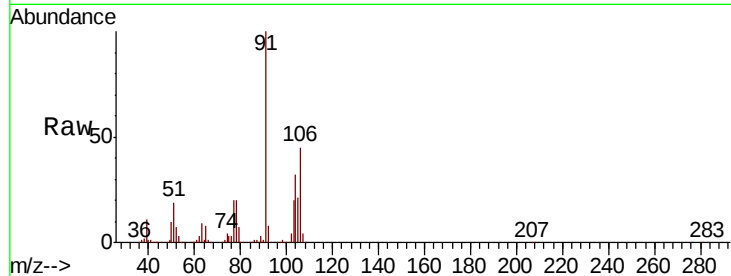
VSTDCCC050EC

Tot Ion:106 Resp: 445369

Ion Ratio Lower Upper

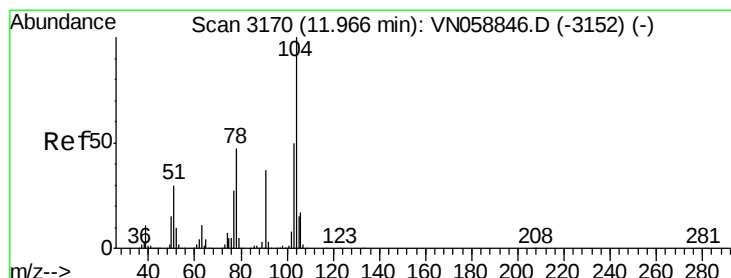
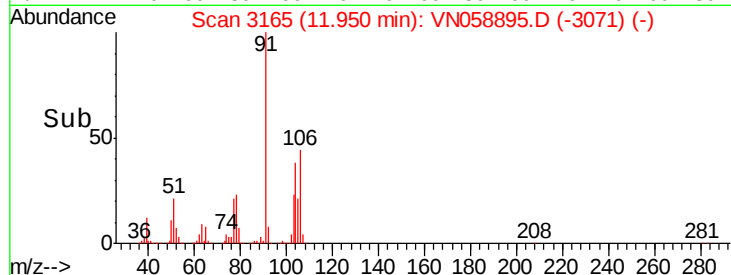
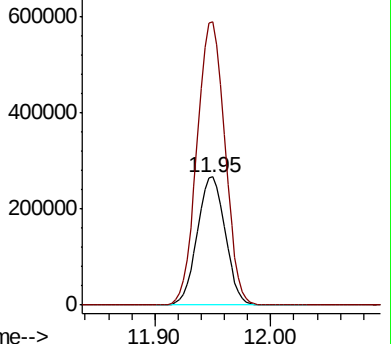
106 100

91 220.9 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 49.215 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

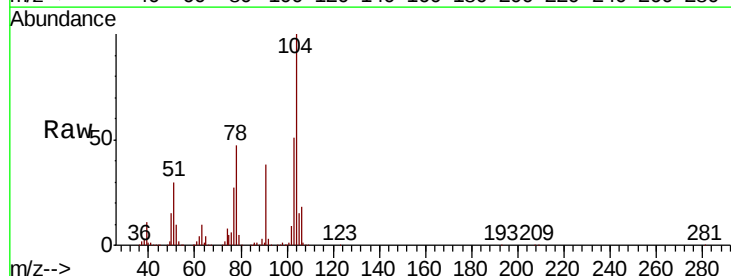
Tgt Ion:104 Resp: 743100

Ion Ratio Lower Upper

104 100

78 53.2 42.8 64.2

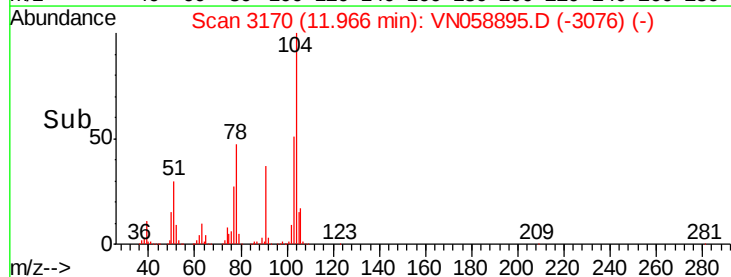
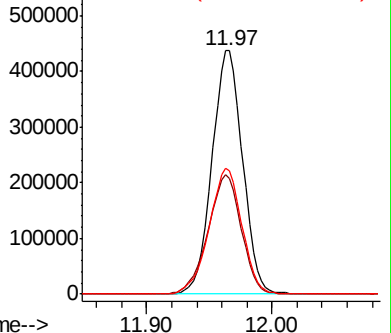
103 55.2 44.3 66.5

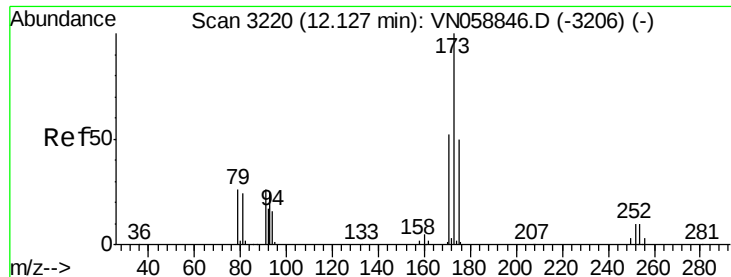


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.682 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

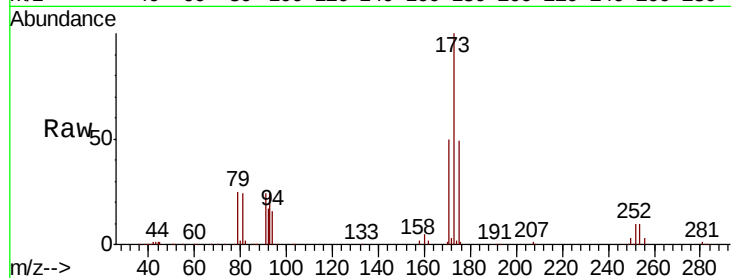
Tot Ion:173 Resp: 199494

Ion Ratio Lower Upper

173 100

175 49.2 24.7 74.1

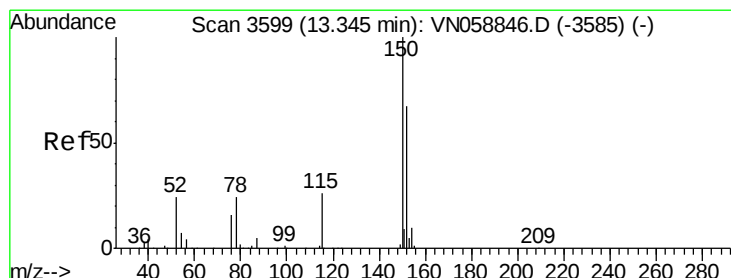
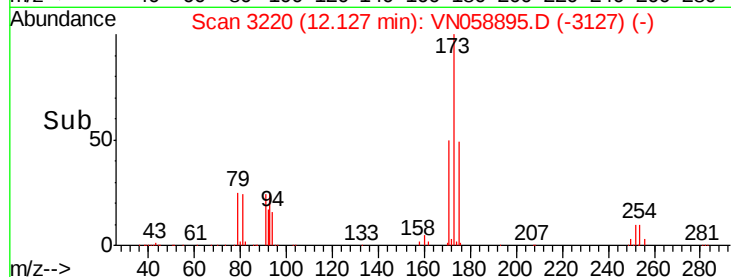
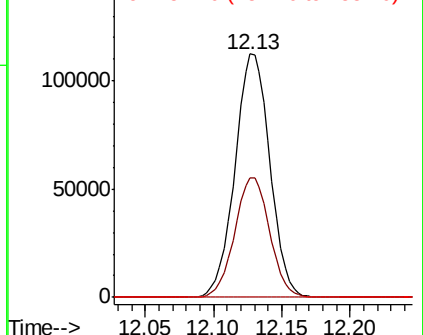
254 0.0 0.0 0.0#



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: VN058895.D

Acq: 21 Oct 2019 17:42

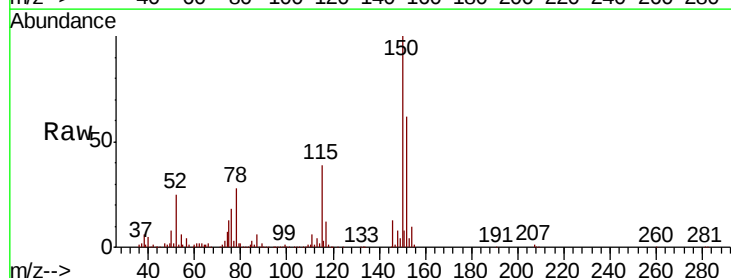
Tgt Ion:152 Resp: 315787

Ion Ratio Lower Upper

152 100

115 61.3 30.5 91.5

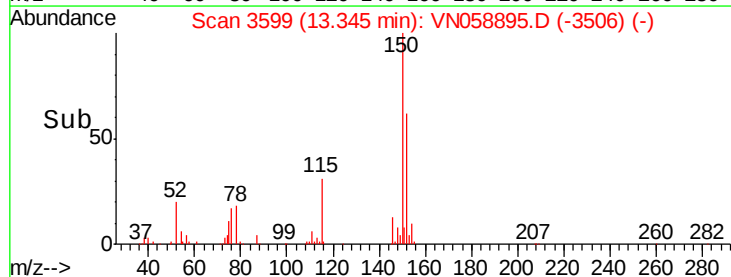
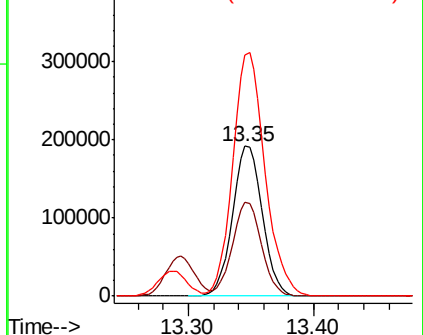
150 175.7 0.0 344.4



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: 52.793 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

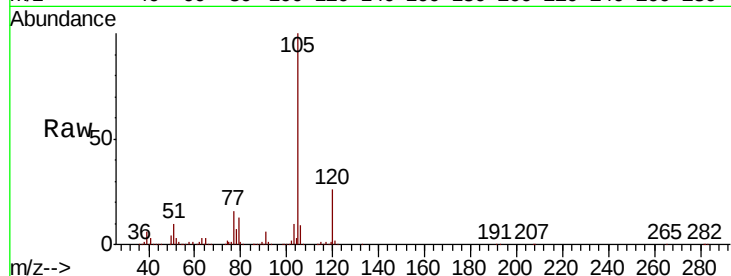
VSTDCCC050EC

Tot Ion:105 Resp: 1218367

Ion Ratio Lower Upper

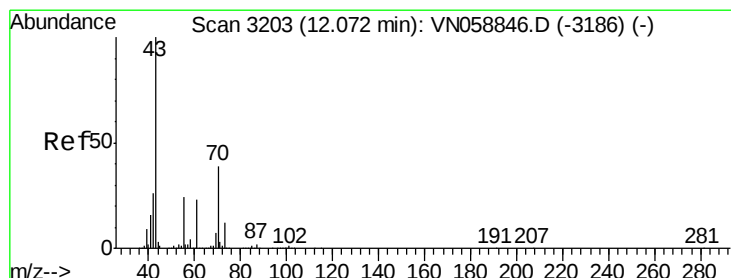
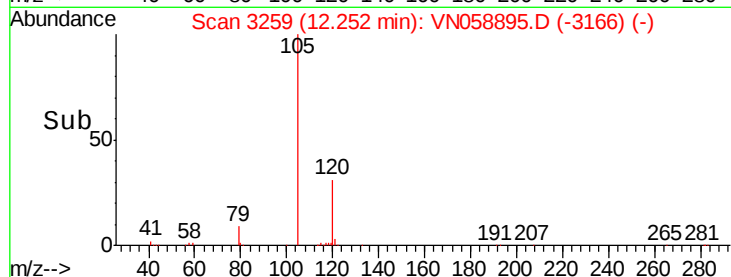
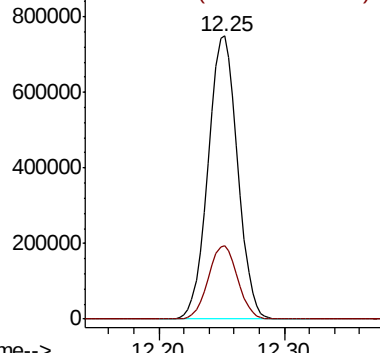
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.412 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion: 43 Resp: 569290

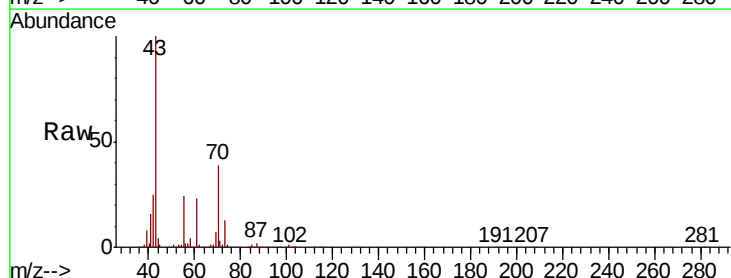
Ion Ratio Lower Upper

43 100

70 39.3 30.9 46.3

55 24.4 19.7 29.5

61 23.0 18.2 27.4

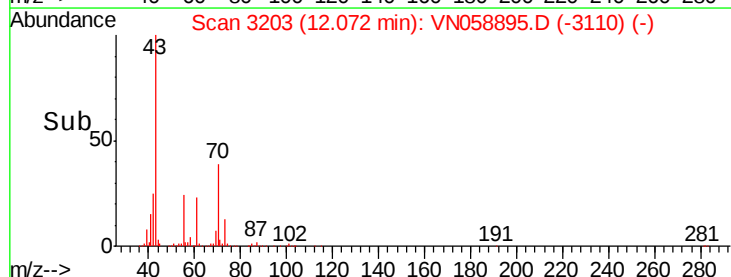
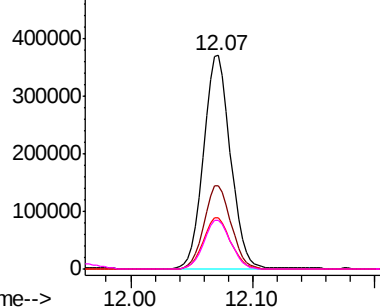


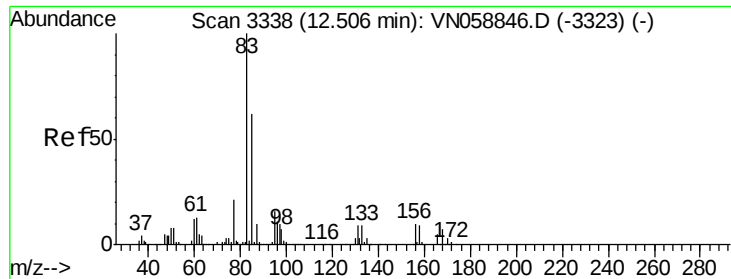
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.858 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

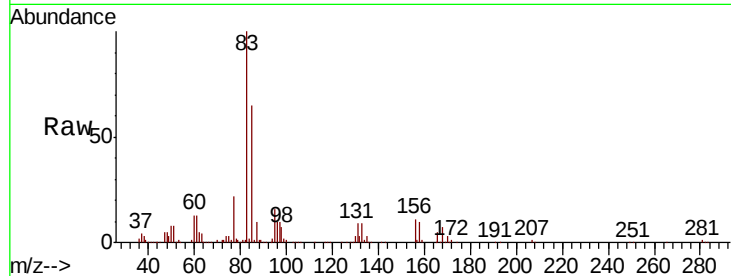
Tot Ion: 83 Resp: 396470

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.1
85	64.7	31.7	95.1

83 100

131 9.6 4.7 14.1

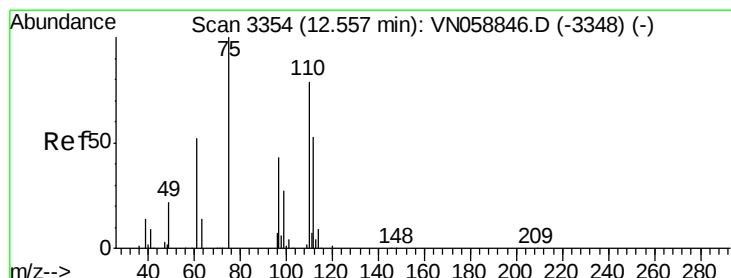
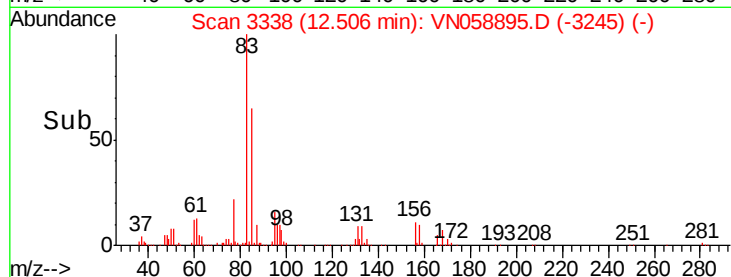
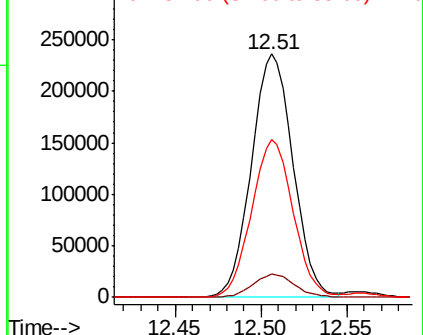
85 64.7 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.880 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058895.D

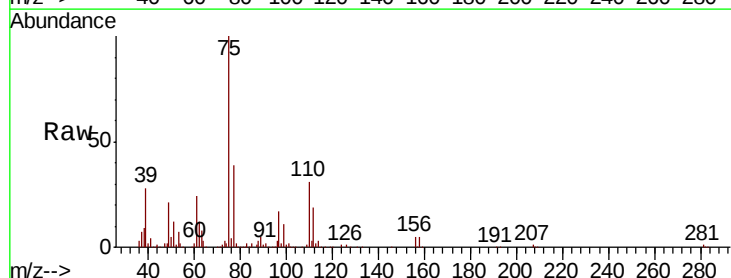
Acq: 21 Oct 2019 17:42

Tgt Ion: 75 Resp: 540707

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

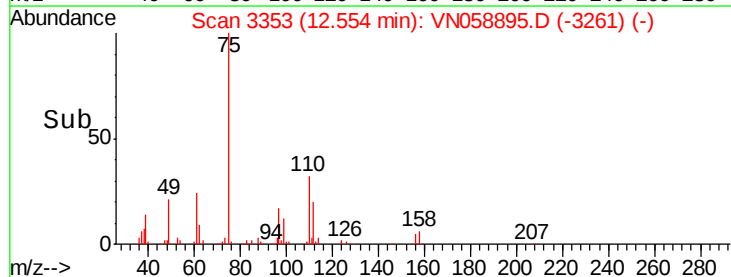
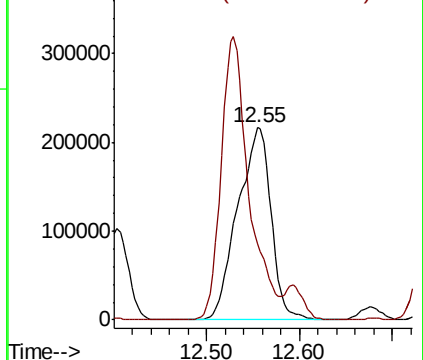
75 100

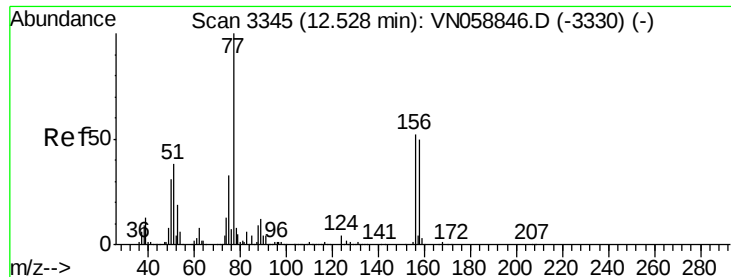
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.729 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

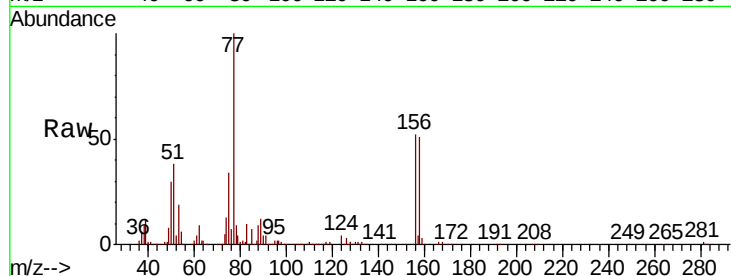
Tot Ion:156 Resp: 282875

Ion Ratio Lower Upper

156 100

77 235.2 118.0 354.0

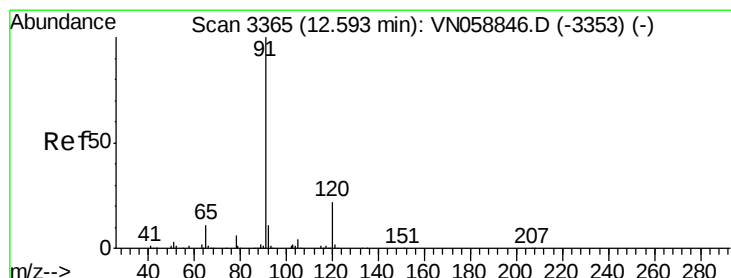
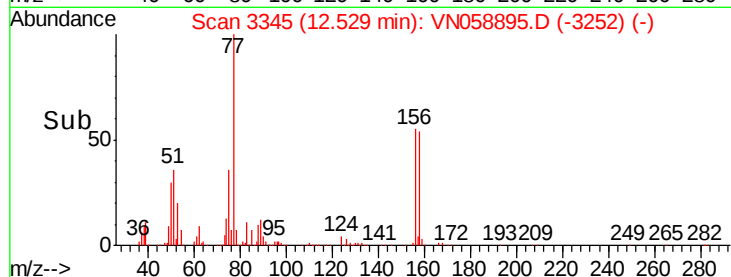
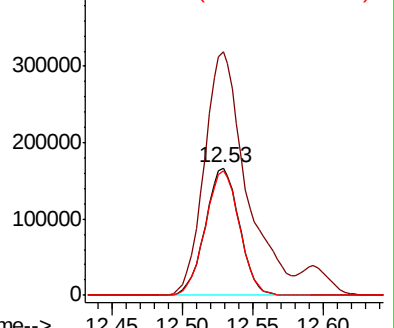
158 98.3 48.3 144.8



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: 53.177 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058895.D

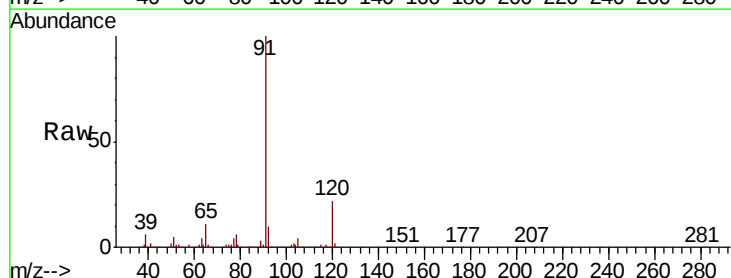
Acq: 21 Oct 2019 17:42

Tgt Ion: 91 Resp: 1450640

Ion Ratio Lower Upper

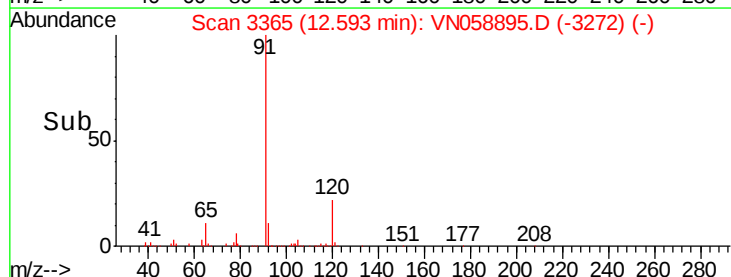
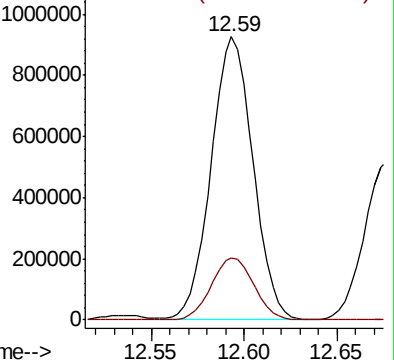
91 100

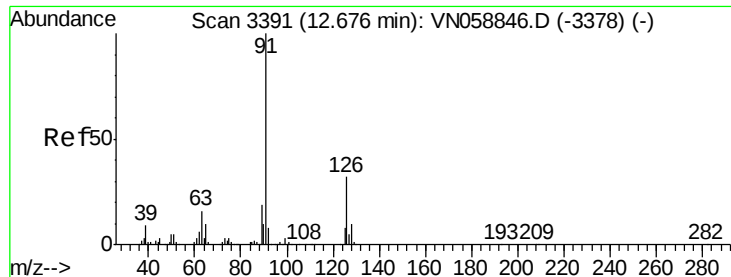
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

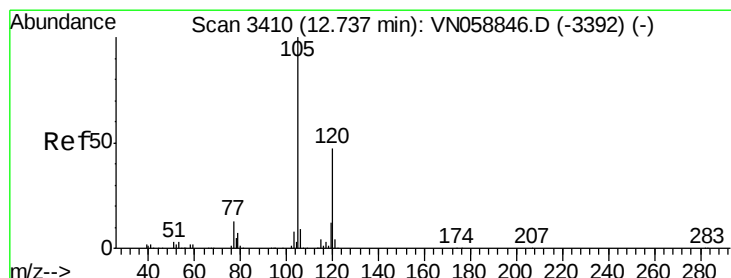
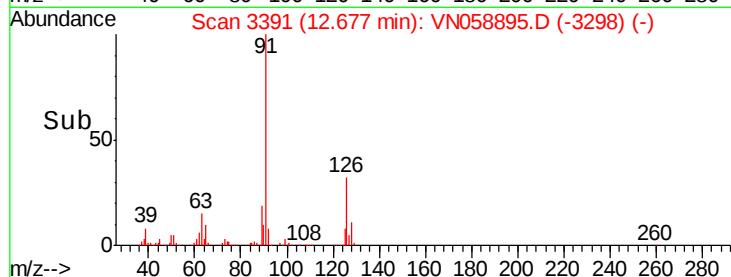
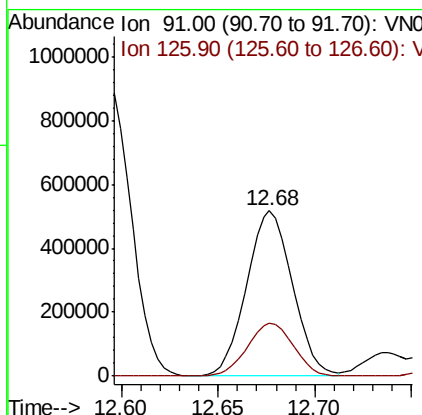
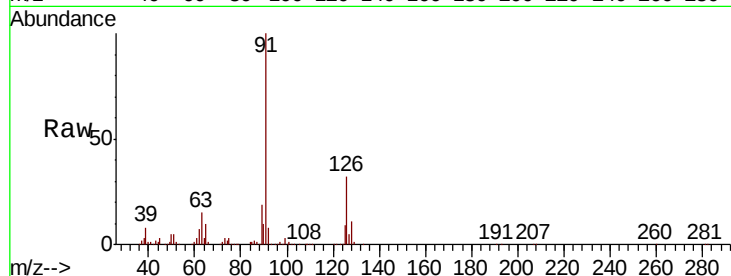




#79
 2-Chlorotoluene
 Concen: 50.818 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

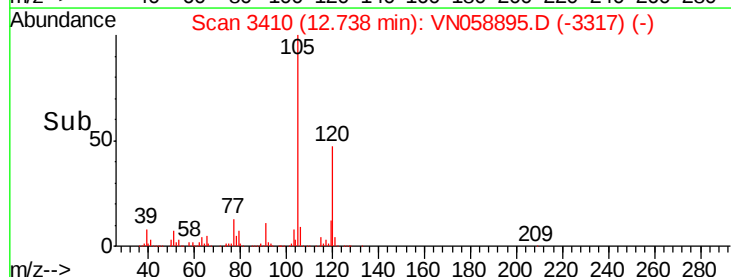
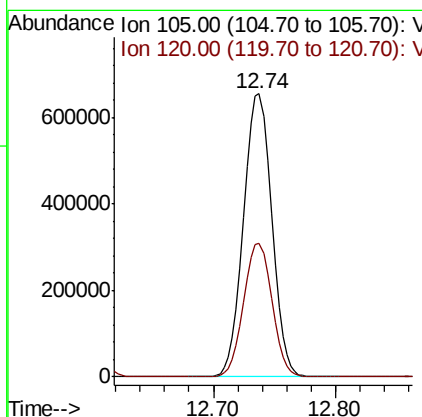
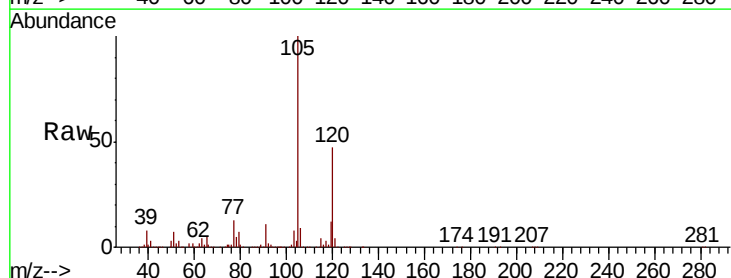
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 848453
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 53.843 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion: 105 Resp: 1044009
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 50.800 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

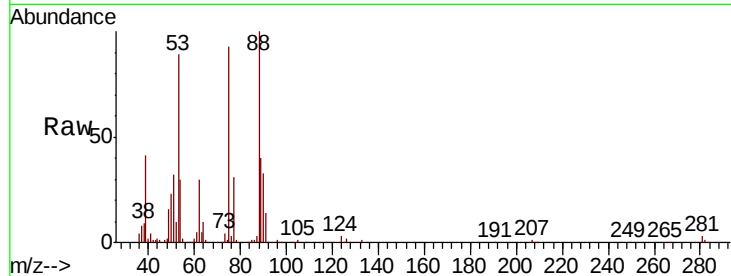
Tot Ion: 75 Resp: 142718

Ion Ratio Lower Upper

75 100

53 98.7 78.6 118.0

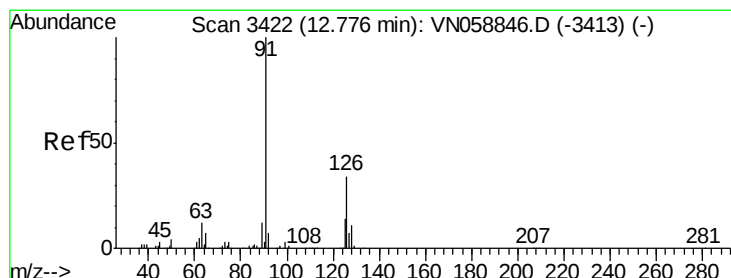
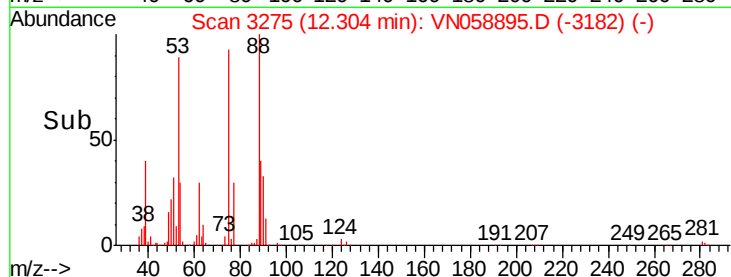
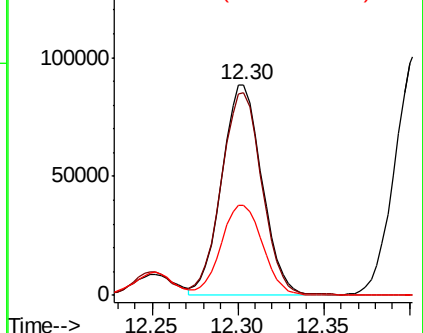
89 44.9 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 51.387 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058895.D

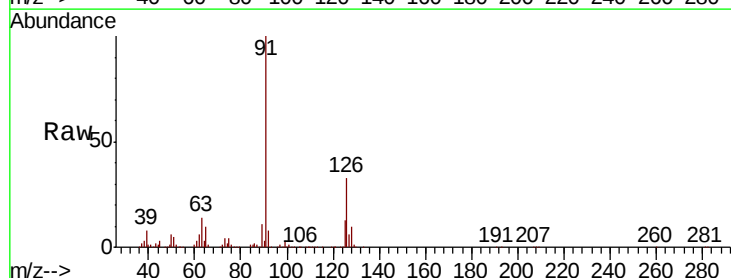
Acq: 21 Oct 2019 17:42

Tgt Ion: 91 Resp: 876769

Ion Ratio Lower Upper

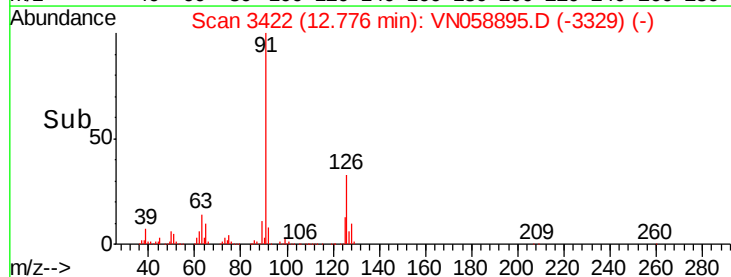
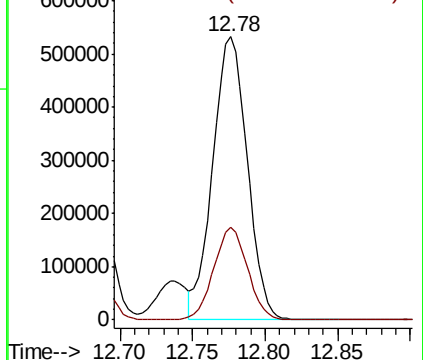
91 100

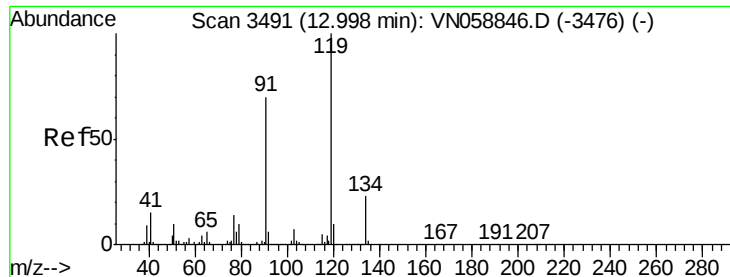
126 32.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

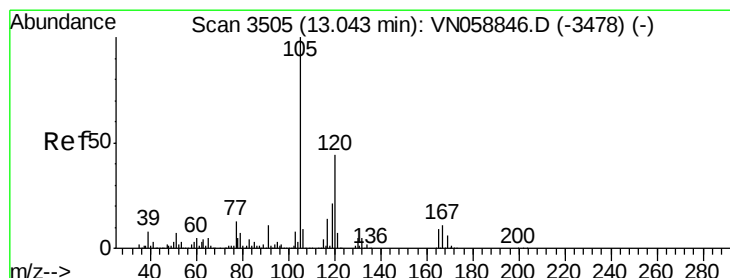
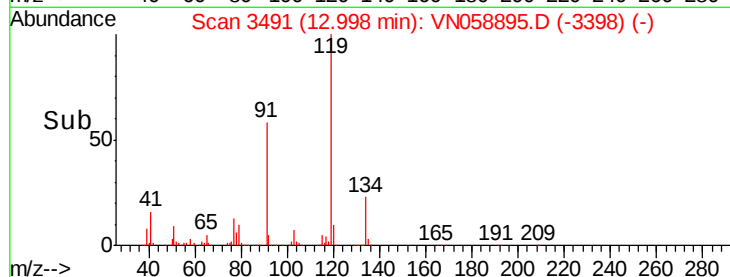
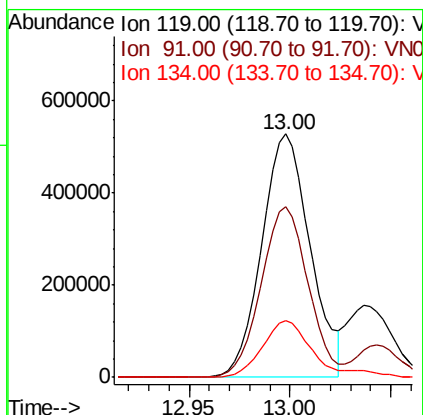
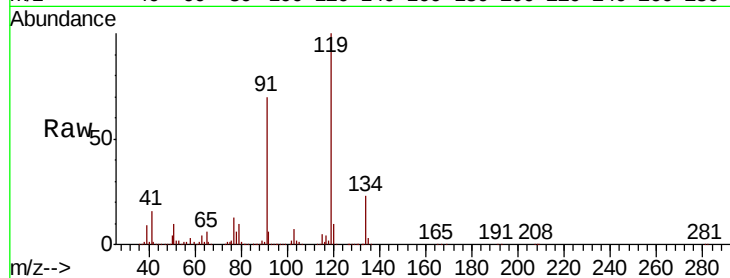




#83
tert-Butylbenzene
Concen: 53.363 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

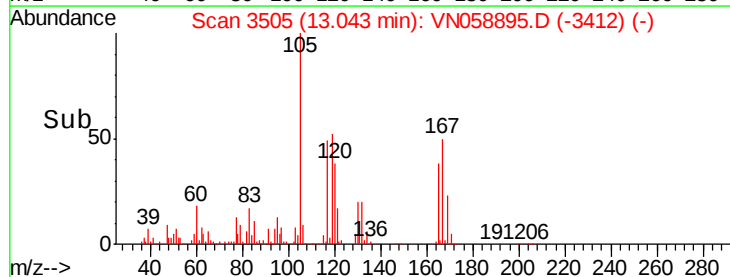
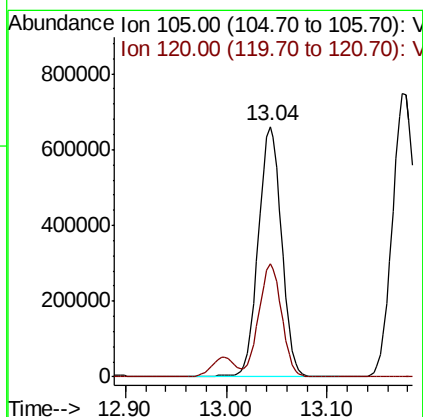
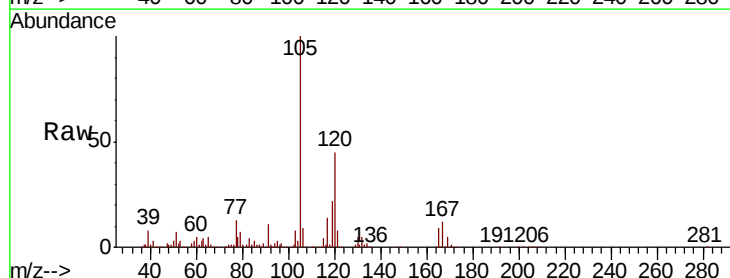
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

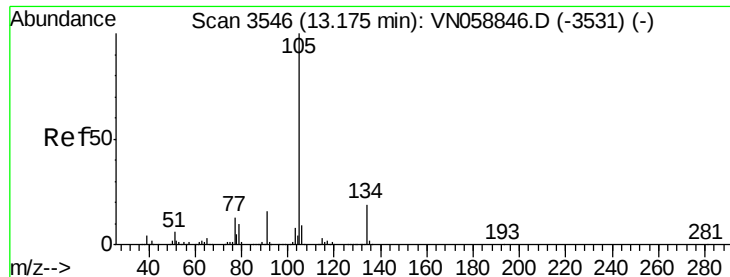
Tot Ion:119 Resp: 884807
Ion Ratio Lower Upper
119 100
91 68.1 34.1 102.3
134 24.7 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 55.026 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion:105 Resp: 1052376
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.8





#85

sec-Butylbenzene

Concen: 54.285 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

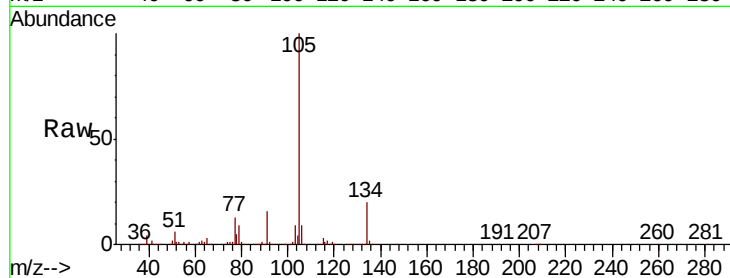
VSTDCCC050EC

Tot Ion:105 Resp: 1200042

Ion Ratio Lower Upper

105 100

134 19.5 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

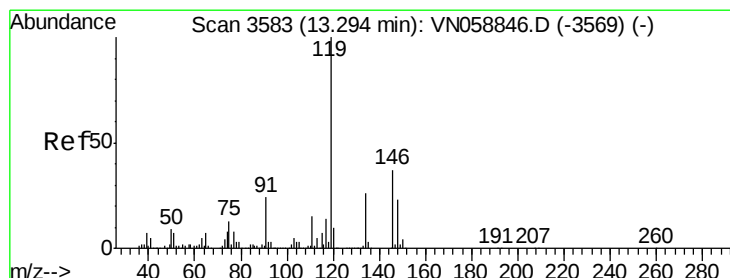
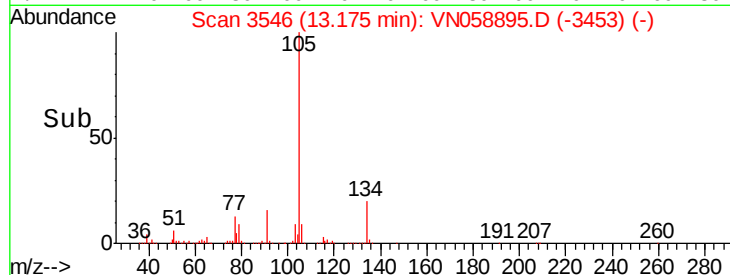
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 55.604 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

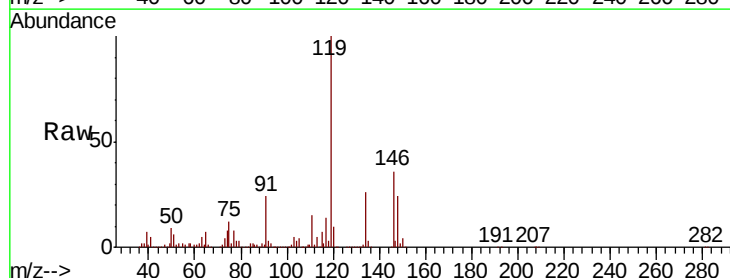
Tgt Ion:119 Resp: 1084595

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.2 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

13.29

800000

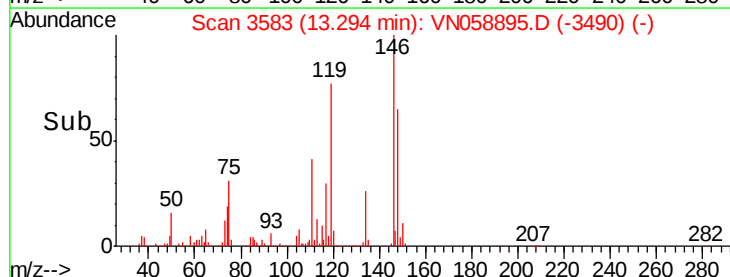
600000

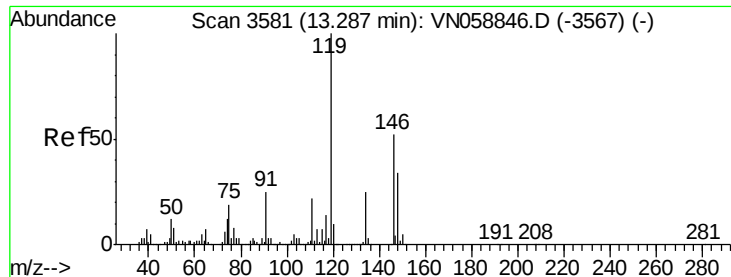
400000

200000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 51.194 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

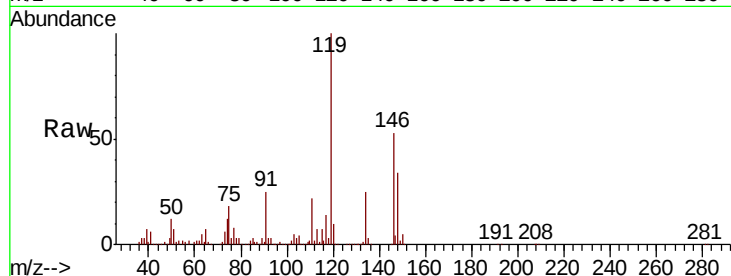
Tot Ion:146 Resp: 520707

Ion Ratio Lower Upper

146 100

111 41.8 21.0 63.0

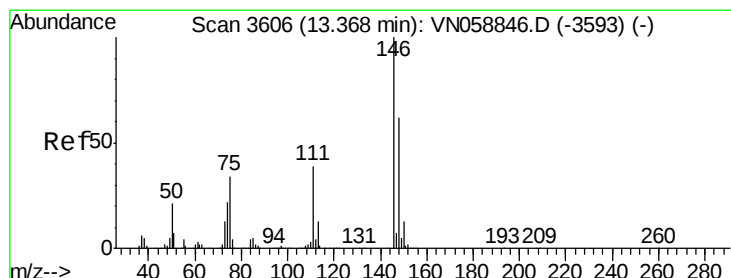
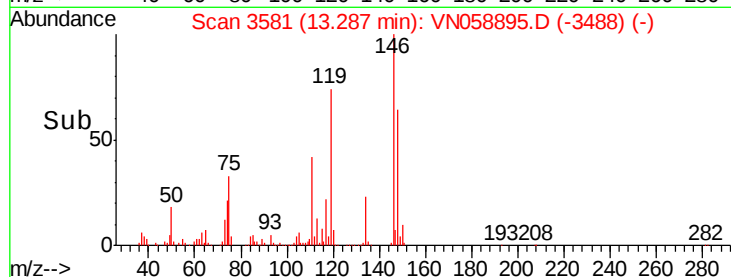
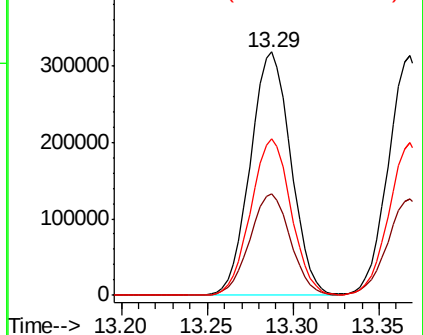
148 63.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.138 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

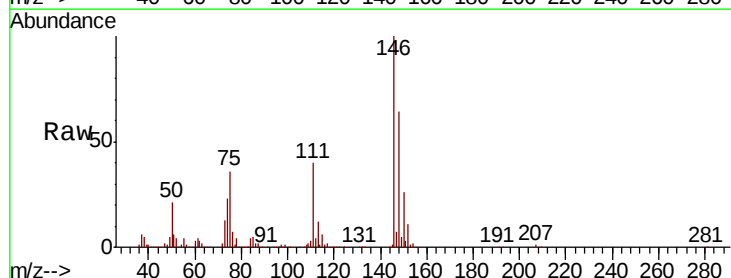
Tgt Ion:146 Resp: 520758

Ion Ratio Lower Upper

146 100

111 40.7 20.2 60.6

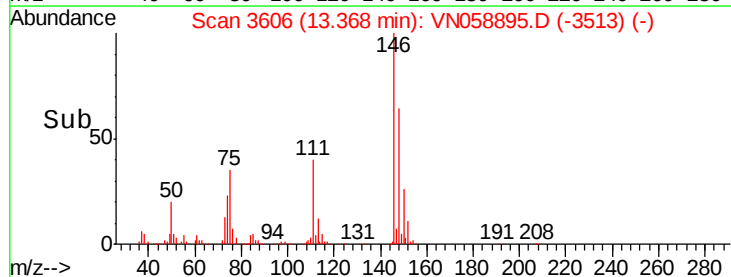
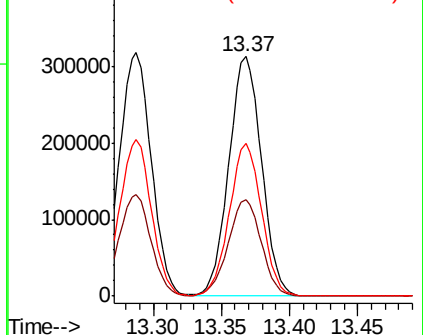
148 62.8 31.6 94.7

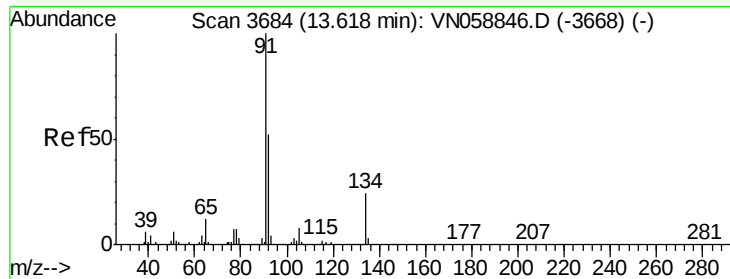


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

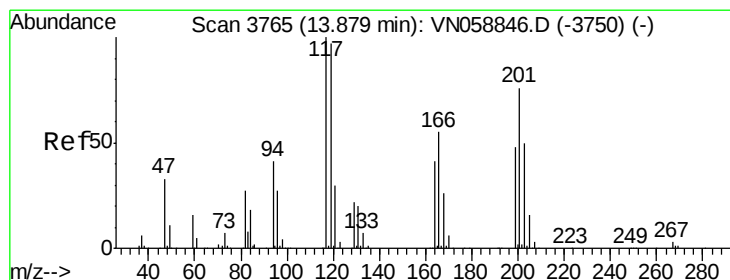
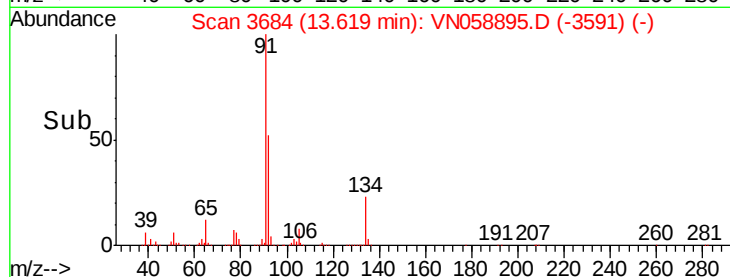
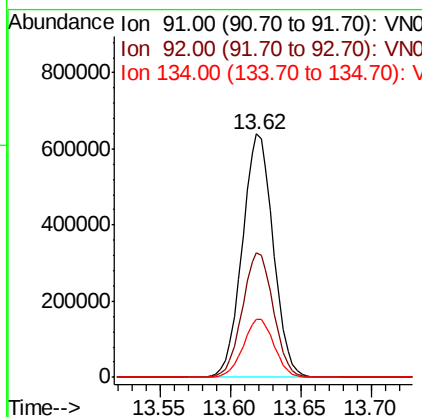
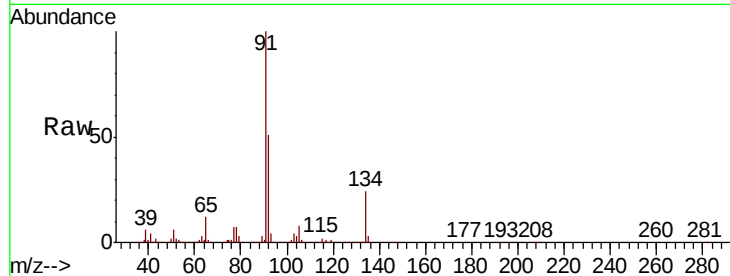




#89
n-Butylbenzene
Concen: 54.748 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

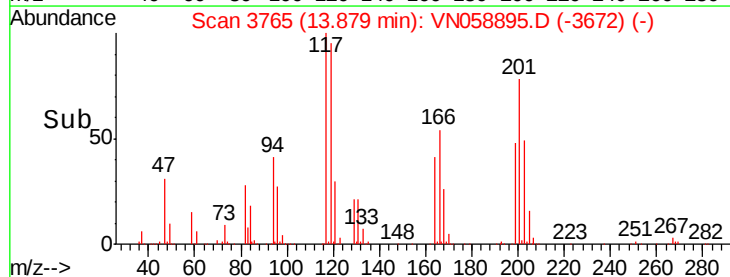
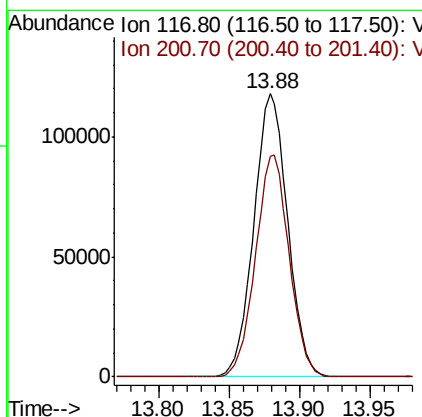
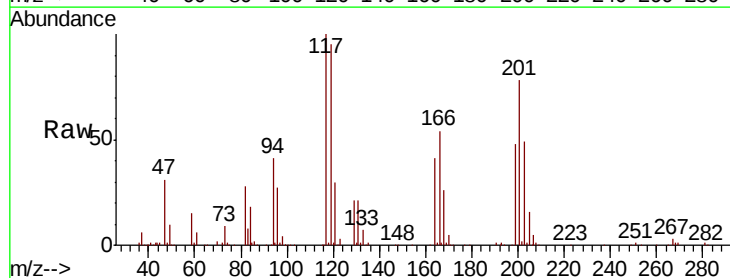
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 980978
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.1
134 24.0 11.9 35.5



#90
Hexachloroethane
Concen: 50.019 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 117 Resp: 197701
Ion Ratio Lower Upper
117 100
201 77.9 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 51.252 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

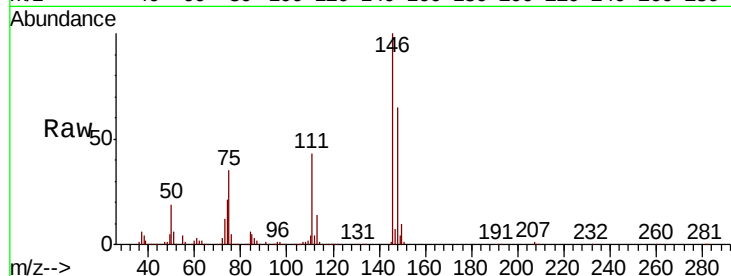
Tot Ion:146 Resp: 512367

Ion Ratio Lower Upper

146 100

111 43.1 21.6 64.8

148 63.8 31.9 95.9

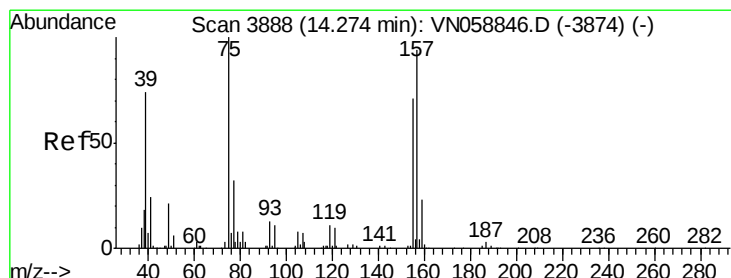
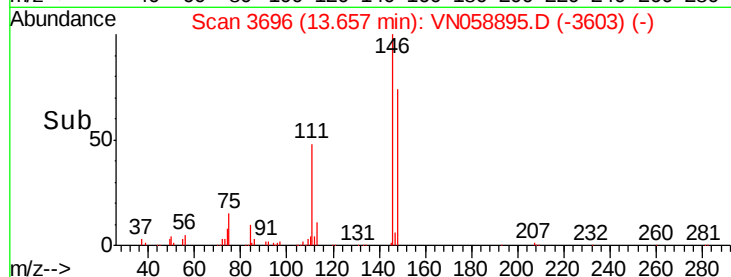
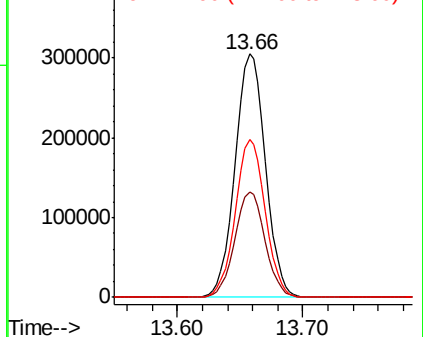


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.375 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

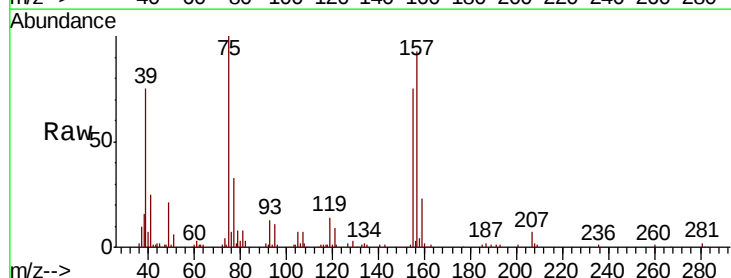
Tgt Ion: 75 Resp: 86951

Ion Ratio Lower Upper

75 100

155 73.3 35.6 106.8

157 93.7 47.4 142.2

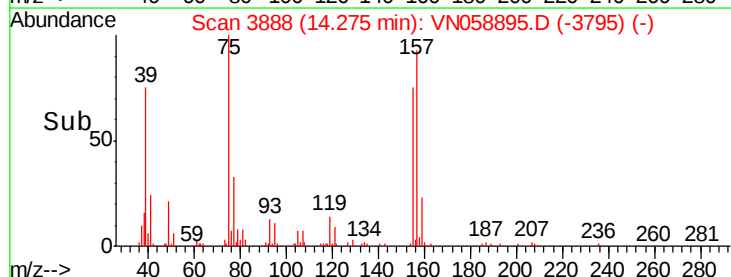
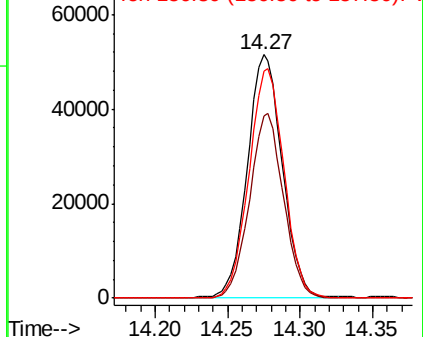


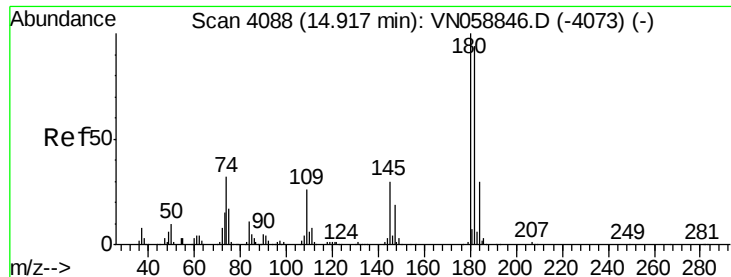
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

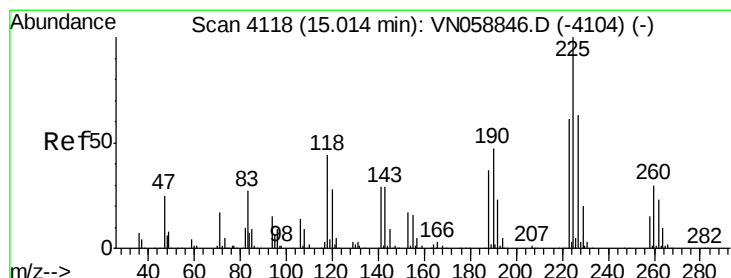
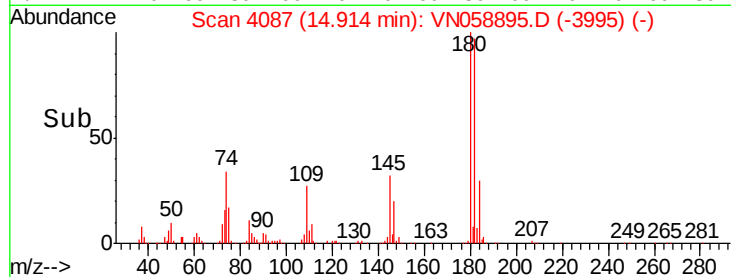
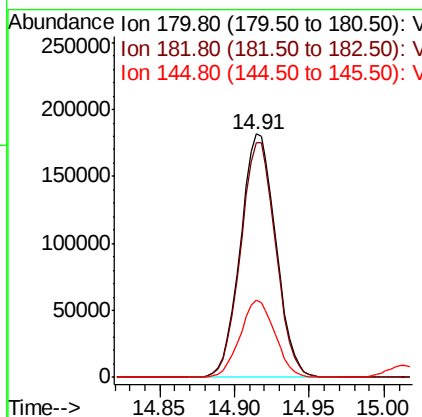
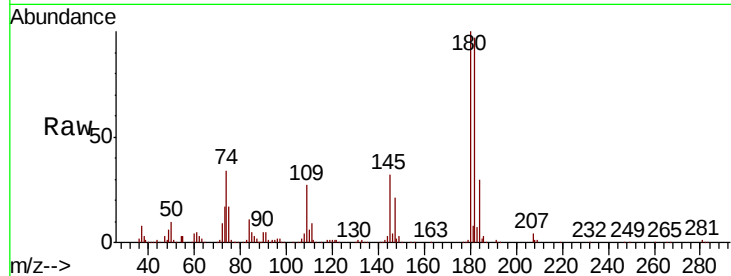




#93
 1,2,4-Trichlorobenzene
 Concen: 47.754 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

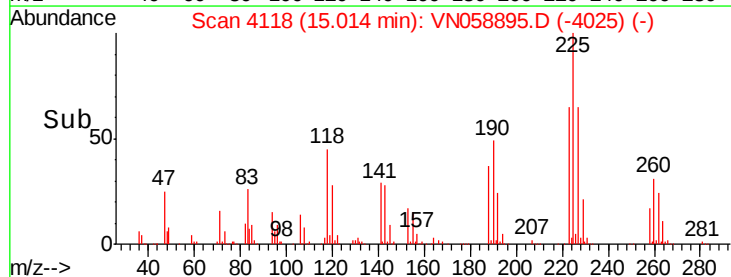
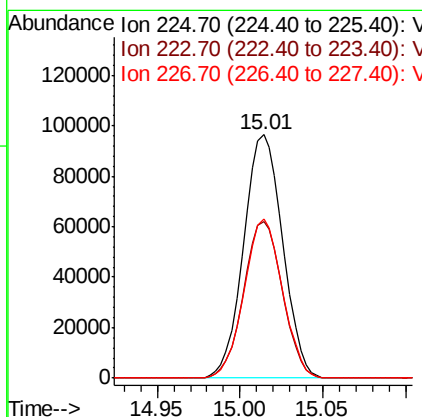
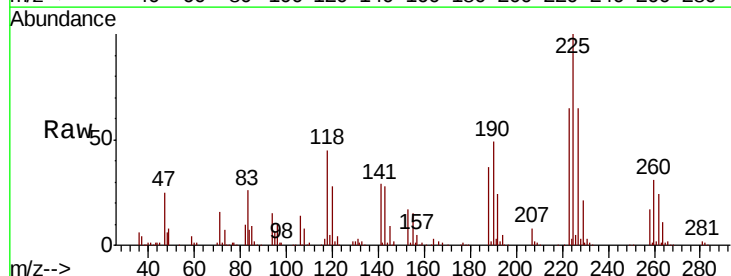
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

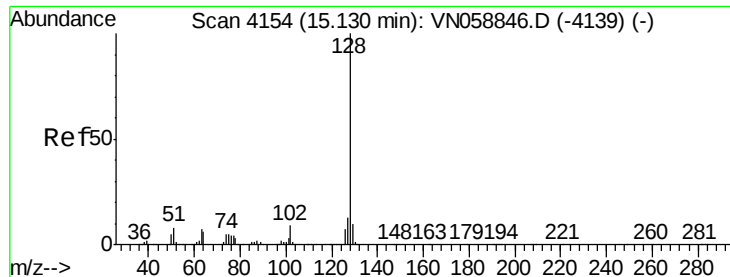
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	31.2	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 48.698 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	30.9	92.5
227	64.0	31.6	94.7





#95

Naphthalene

Concen: 47.868 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

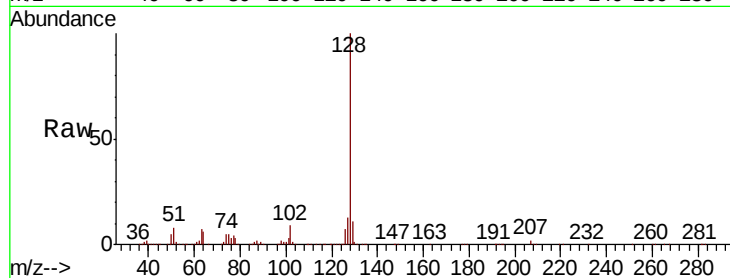
Tot Ion:128 Resp: 864044

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

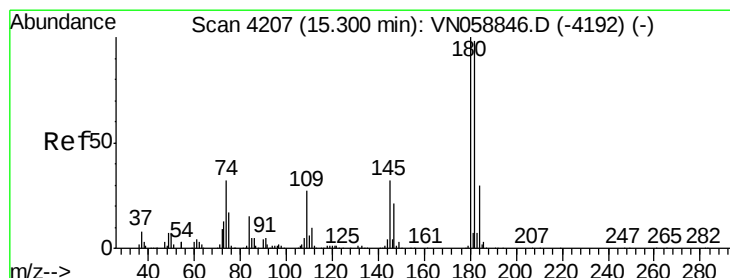
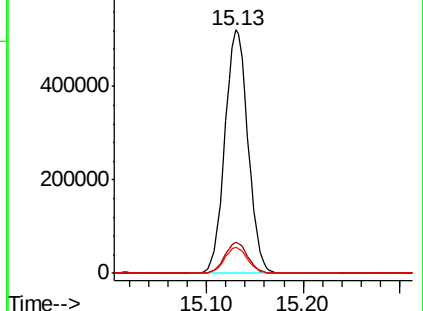
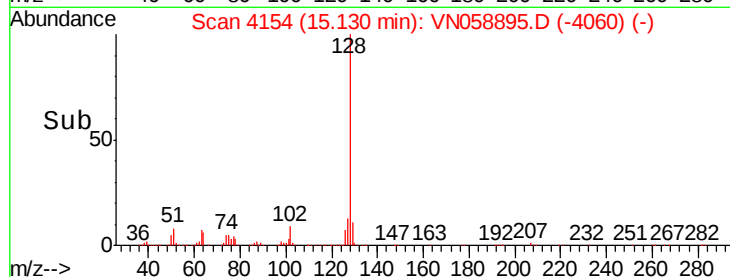
129 10.6 8.4 12.6



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: 47.793 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

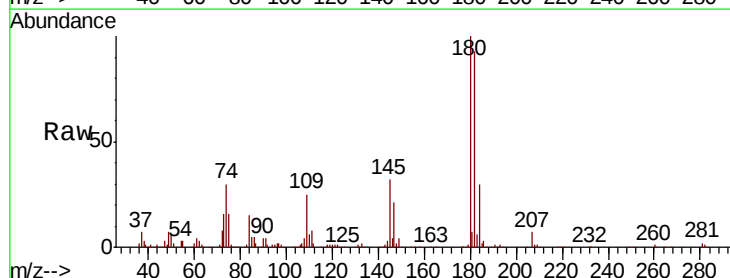
Tgt Ion:180 Resp: 292132

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

145 32.4 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

