

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058673.D
 Acq On : 10 Oct 2019 18:34
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 11 04:15:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75587	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	422377	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	381535	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	195226	29.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.17%
60) 4-Bromofluorobenzene	12.41	95	199825	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	10.08	98	549090	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	86259	19.295	ug/l 100
3) Chloromethane	2.04	50	112995	21.156	ug/l 100
4) Vinyl Chloride	2.17	62	118413	22.089	ug/l 100
5) Bromomethane	2.55	94	74545	24.390	ug/l 100
6) Chloroethane	2.69	64	73650	23.031	ug/l 100
7) Trichlorofluoromethane	3.00	101	144274	22.774	ug/l 100
8) Diethyl Ether	3.39	74	55132	20.029	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82722	19.567	ug/l 100
10) 1,1-Dichloroethene	3.72	96	81905	19.782	ug/l 100
11) Methyl Iodide	3.93	142	110672	24.025	ug/l 100
12) Methyl Acetate	4.30	43	126691	22.075	ug/l 100
13) Acrolein	3.59	56	67459	259.384	ug/l 100
14) Acrylonitrile	4.96	53	246083	105.728	ug/l 100
15) Acetone	3.80	58	72453	112.442	ug/l 100
16) Carbon Disulfide	4.03	76	238099	20.220	ug/l 100
17) Allyl chloride	4.30	41	161428	20.577	ug/l 100
18) Methylene Chloride	4.53	84	98455	20.091	ug/l 100
19) trans-1,2-Dichloroethene	5.02	96	89609	19.369	ug/l 100
20) Diisopropyl ether	5.93	45	328435	19.810	ug/l 100
21) 1,1-Dichloroethane	5.83	63	182504	19.738	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	106122	19.667	ug/l 100
23) tert-Butyl Alcohol	4.76	59	101078	114.546	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	302405	20.188	ug/l 100
25) Chloroform	7.36	83	182493	19.514	ug/l 100
26) Cyclohexane	7.64	56	157401	18.475	ug/l 100
29) 1,1-Dichloropropene	7.78	75	135540	19.624	ug/l 100
30) 2-Butanone	6.81	43	370495	113.644	ug/l 100
31) 2,2-Dichloropropane	6.80	77	154246	21.207	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	159424	21.014	ug/l 100
33) Carbon Tetrachloride	7.76	117	137049	21.180	ug/l 100
34) Benzene	8.03	78	401105	20.342	ug/l 100
36) 1,2-Dichloroethane	8.11	62	154228	19.985	ug/l 100
37) Trichloroethene	8.82	130	98550	19.999	ug/l 100
38) Methylcyclohexane	9.07	83	154642	18.627	ug/l 100
39) 1,2-Dichloropropane	9.11	63	111271	20.544	ug/l 100
40) Dibromomethane	9.20	93	69626	20.430	ug/l 100
41) Bromodichloromethane	9.39	83	141424	20.778	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.87	43	1396618	114.192	ug/l	100
43) Ethyl Acetate	6.91	43	151392	23.157	ug/l	100
44) Isopropyl Acetate	8.15	43	240360	21.118	ug/l	100
45) 1,4-Dioxane	9.19	88	36120	387.108	ug/l	100
46) Methyl methacrylate	9.19	41	108163	20.164	ug/l	100
47) n-amyl Acetate	12.07	43	208185	20.857	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	160771	21.302	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	171155	20.707	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	98954	20.703	ug/l	100
51) Ethyl methacrylate	10.43	69	153017	20.179	ug/l	100
52) 1,3-Dichloropropane	10.71	76	176038	20.759	ug/l	100
53) Dibromochloromethane	10.90	129	104015	21.227	ug/l	100
54) 1,2-Dibromoethane	11.00	107	101094	20.649	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	408557	121.300	ug/l	100
56) Bromoform	12.13	173	70523	22.239	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	745076	120.189	ug/l	100
59) 2-Hexanone	10.75	43	561987	119.104	ug/l	100
61) Tetrachloroethene	10.63	164	86900	21.270	ug/l	100
62) Toluene	10.15	91	428160	20.415	ug/l	100
64) Chlorobenzene	11.43	112	260168	20.177	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	96773	20.979	ug/l	100
66) Ethyl Benzene	11.51	91	473103	20.735	ug/l	100
67) m/p-Xylenes	11.62	106	350600	39.964	ug/l	100
68) o-Xylene	11.95	106	168783	19.809	ug/l	100
69) Styrene	11.97	104	274084	19.308	ug/l	100
70) Isopropylbenzene	12.25	105	461146	20.857	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	153841	21.403	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	203890	32.749	ug/l	60
73) Bromobenzene	12.53	156	109878	20.357	ug/l	100
74) n-propylbenzene	12.60	91	547195	21.403	ug/l	100
75) 2-Chlorotoluene	12.68	91	321167	20.107	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	392229	20.586	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	50758	23.732	ug/l	100
78) 4-Chlorotoluene	12.78	91	328003	20.047	ug/l	100
79) tert-butylbenzene	13.00	119	334450	20.189	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	390198	20.575	ug/l	100
81) sec-Butylbenzene	13.18	105	453474	20.970	ug/l	100
82) p-Isopropyltoluene	13.30	119	403099	20.654	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	198066	19.934	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	198233	19.972	ug/l	100
85) n-Butylbenzene	13.62	91	358198	19.833	ug/l	100
86) Hexachloroethane	13.88	117	71972	21.902	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	194676	20.079	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	34135	23.345	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	120893	18.989	ug/l	100
90) Hexachlorobutadiene	15.02	225	63088	20.314	ug/l	100
91) Naphthalene	15.13	128	359059	20.256	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	118267	19.270	ug/l	100

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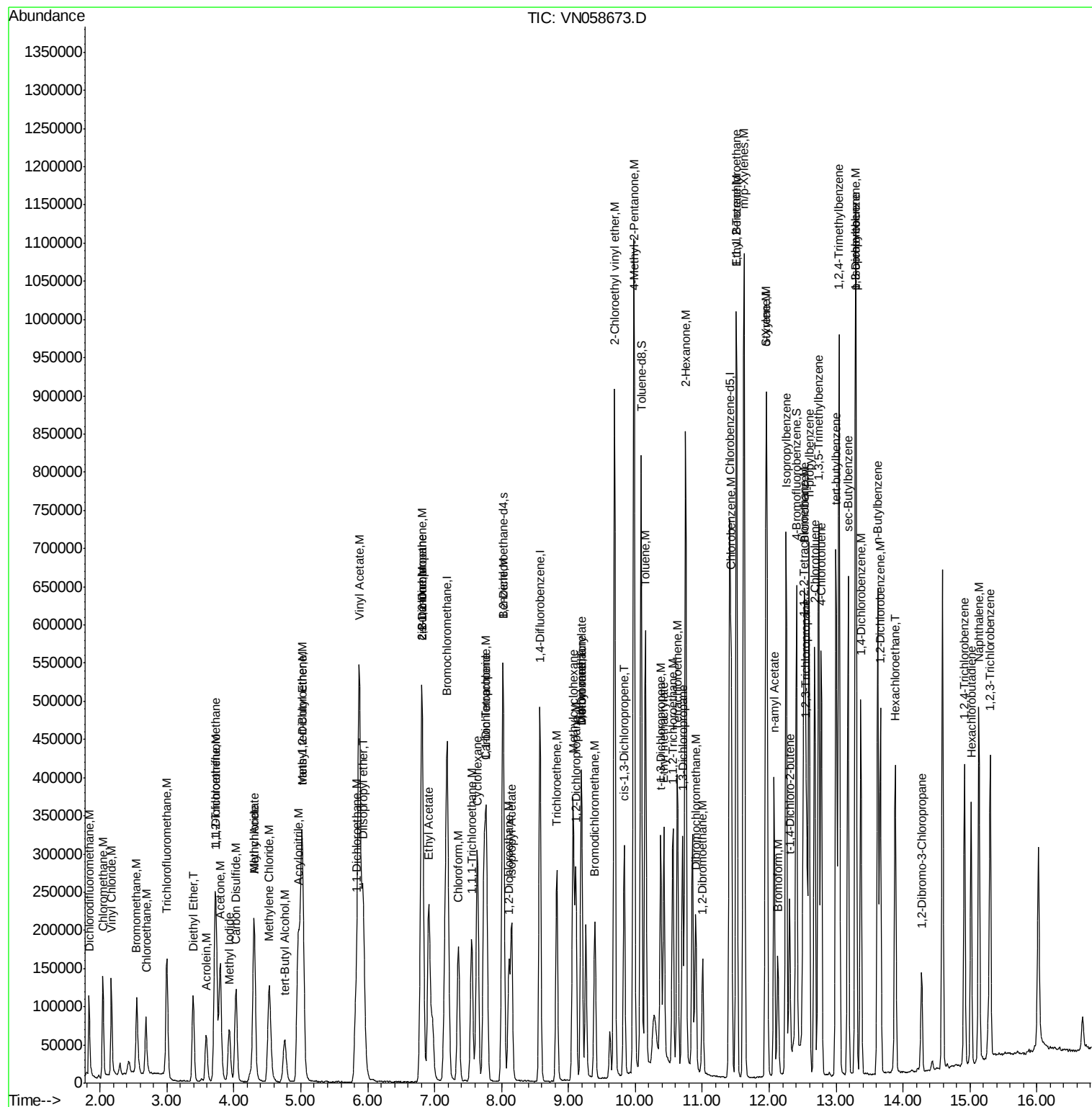
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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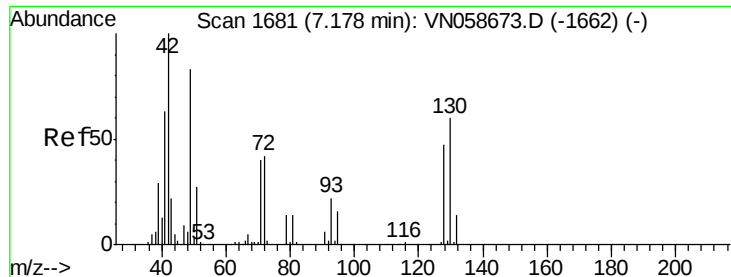
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

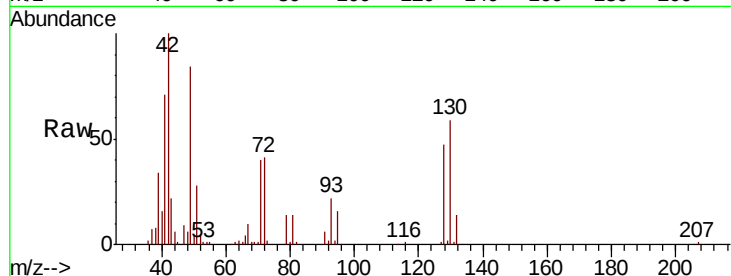
Tot Ion:128 Resp: 75587

Ion Ratio Lower Upper

128 100

49 181.4 0.0 453.5

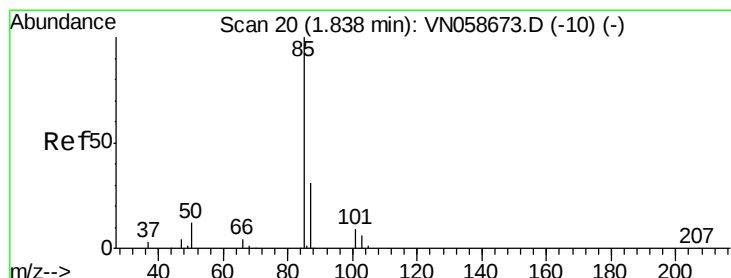
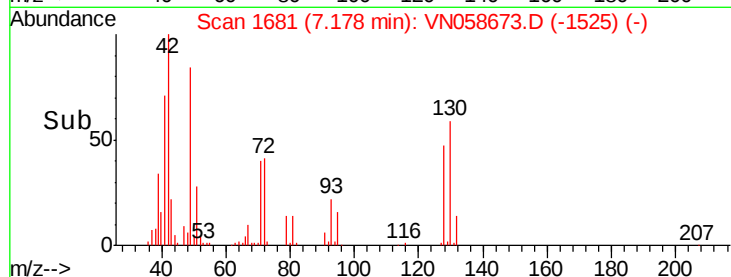
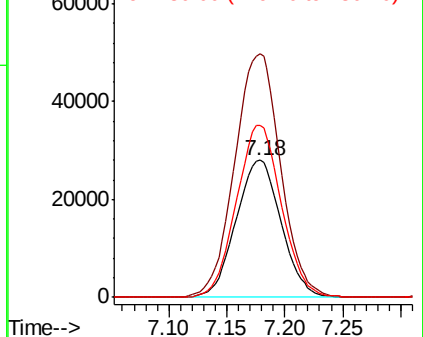
130 125.7 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.295 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058673.D

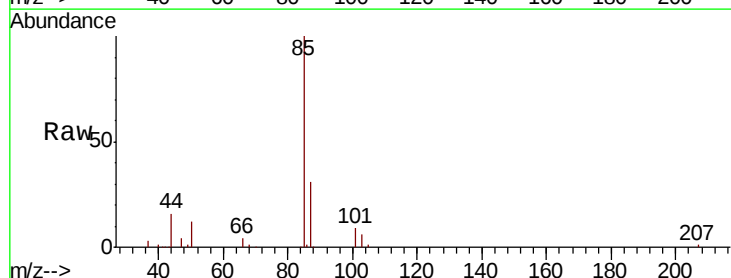
Acq: 10 Oct 2019 18:34

Tgt Ion: 85 Resp: 86259

Ion Ratio Lower Upper

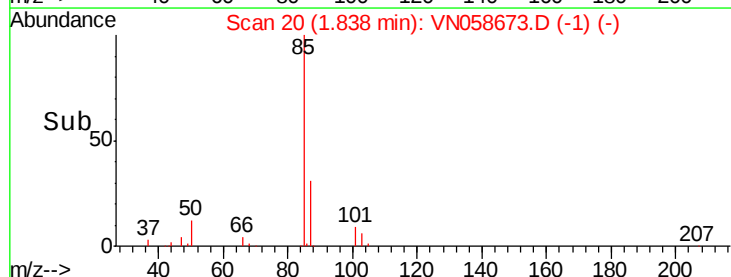
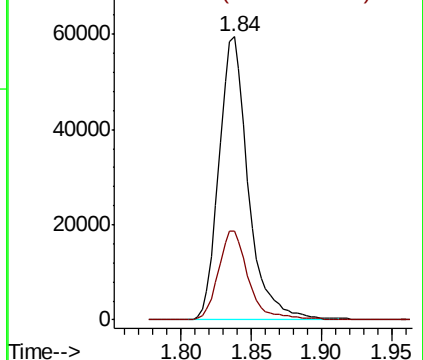
85 100

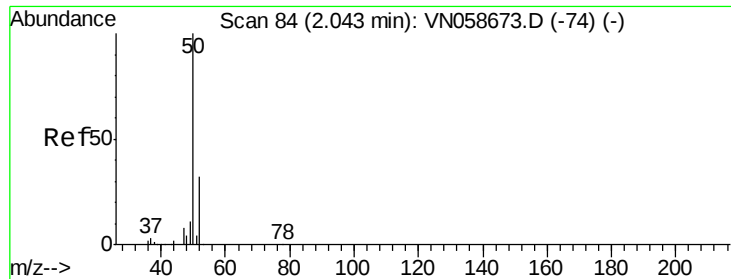
87 31.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

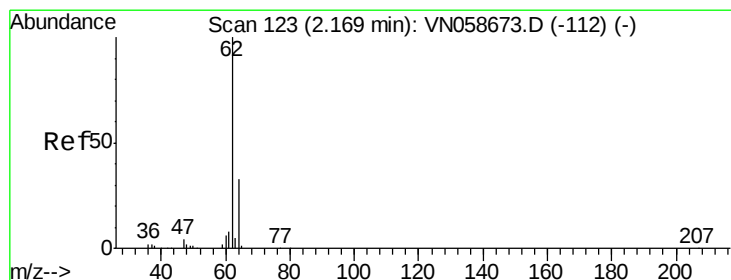
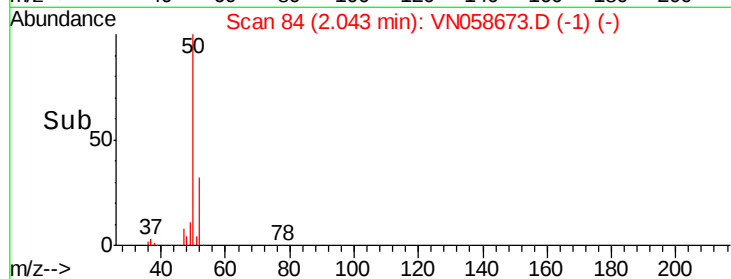
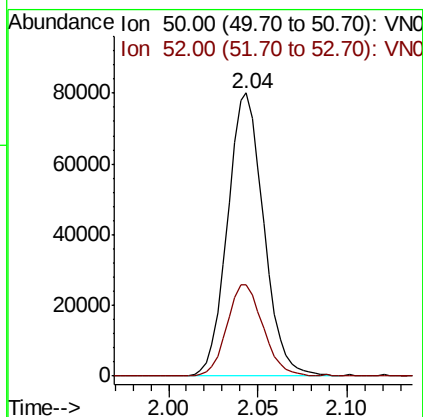
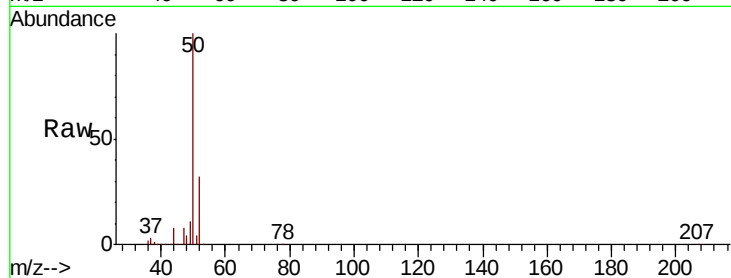




#3
Chloromethane
Concen: 21.156 ug/l
RT: 2.04 min Scan# 84
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

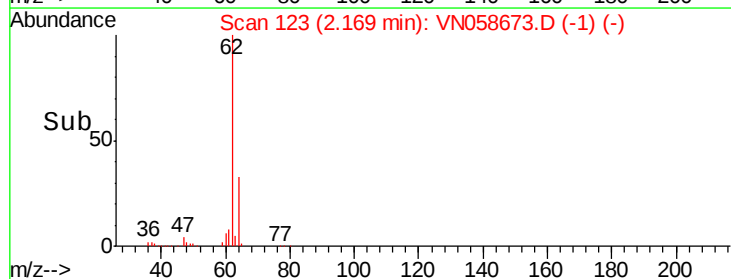
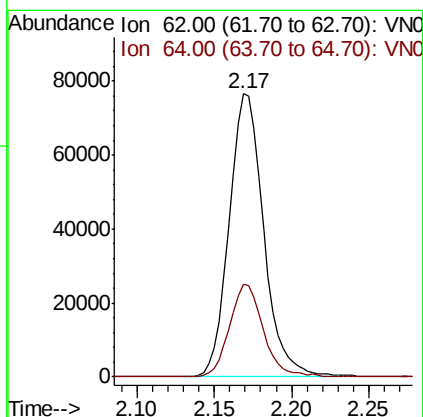
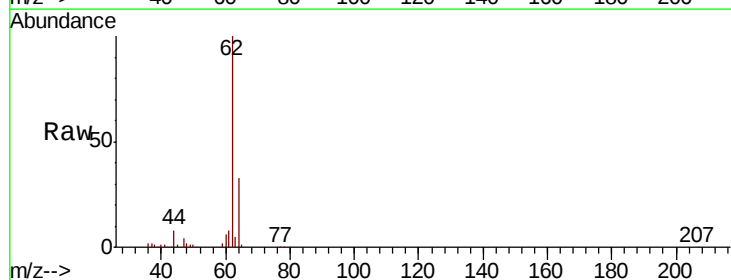
Instrument :
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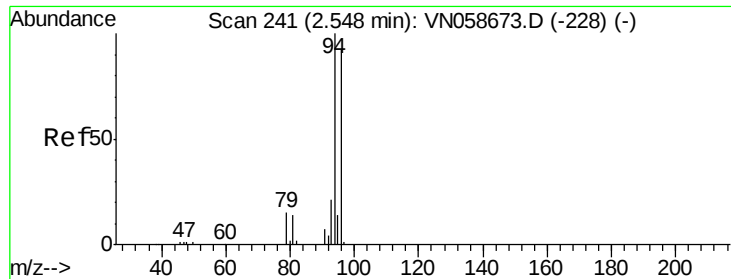
Tot Ion: 50 Resp: 112995
Ion Ratio Lower Upper
50 100
52 32.3 25.8 38.8



#4
Vinyl Chloride
Concen: 22.089 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 62 Resp: 118413
Ion Ratio Lower Upper
62 100
64 32.6 26.1 39.1





#5

Bromomethane

Concen: 24.390 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

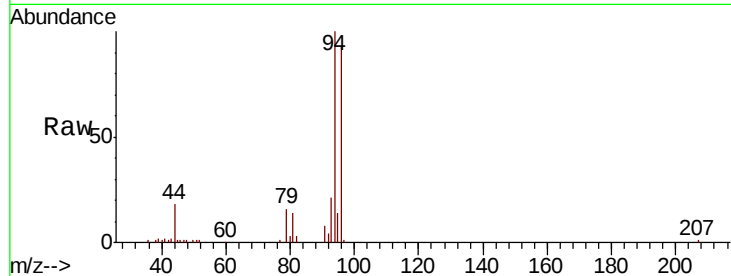
VSTDICCC020

Tot Ion: 94 Resp: 74545

Ion Ratio Lower Upper

94 100

96 92.1 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

40000

30000

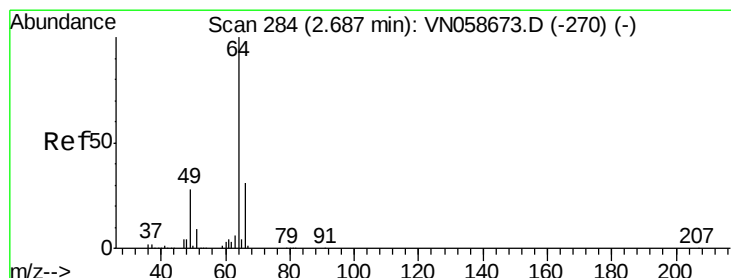
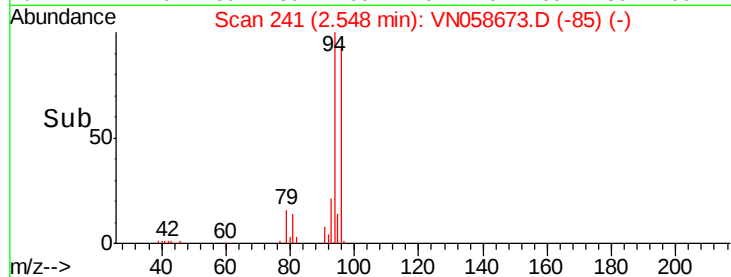
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 23.031 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058673.D

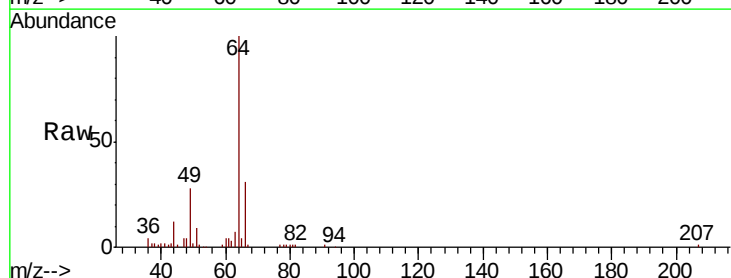
Acq: 10 Oct 2019 18:34

Tgt Ion: 64 Resp: 73650

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

40000

30000

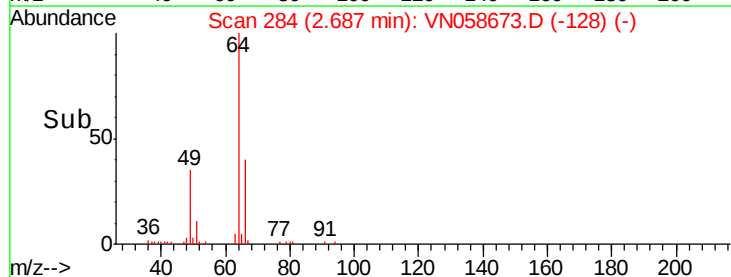
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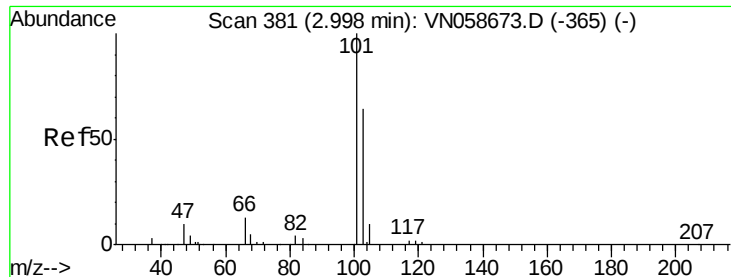
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Time-->

2.60 2.70 2.80



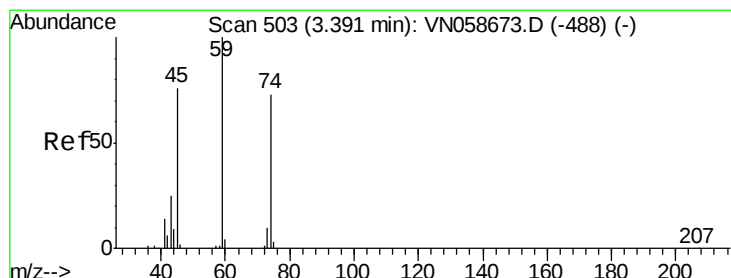
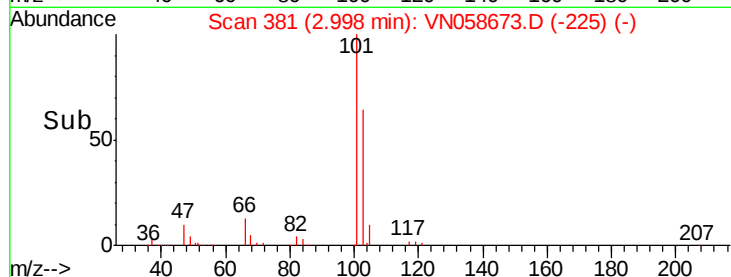
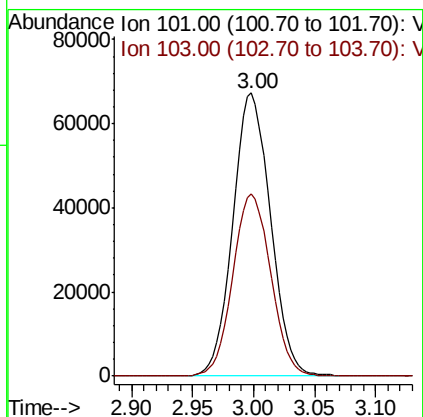
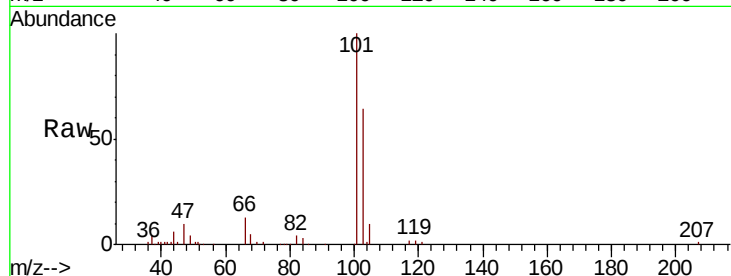


#7

Trichlorofluoromethane
 Concen: 22.774 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Instrument :
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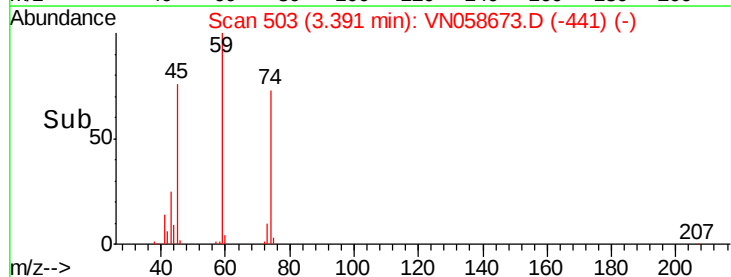
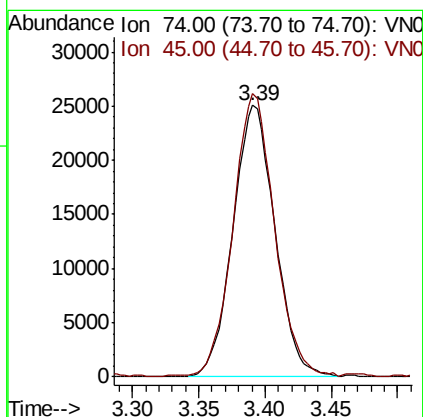
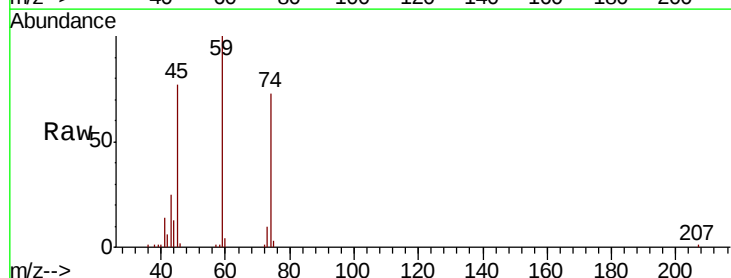
Tot Ion:101 Resp: 144274
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

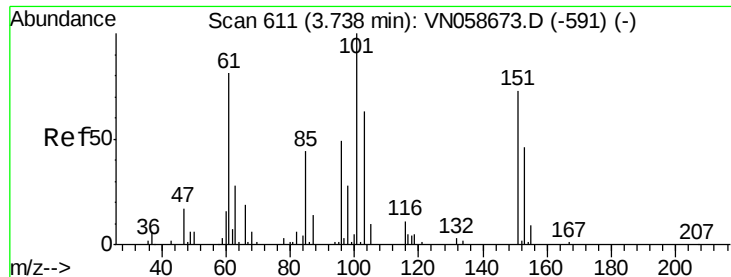


#8

Diethyl Ether
 Concen: 20.029 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion: 74 Resp: 55132
 Ion Ratio Lower Upper
 74 100
 45 103.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.567 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

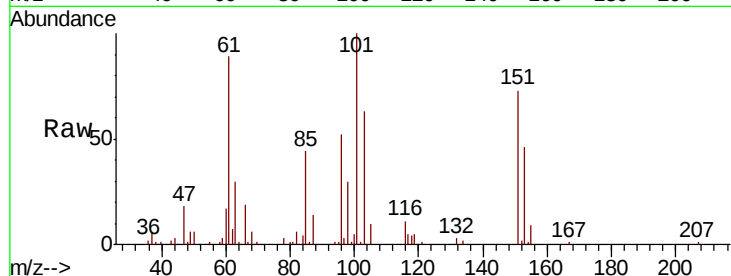
Tot Ion:101 Resp: 82722

Ion Ratio Lower Upper

101 100

85 46.9 0.0 93.8

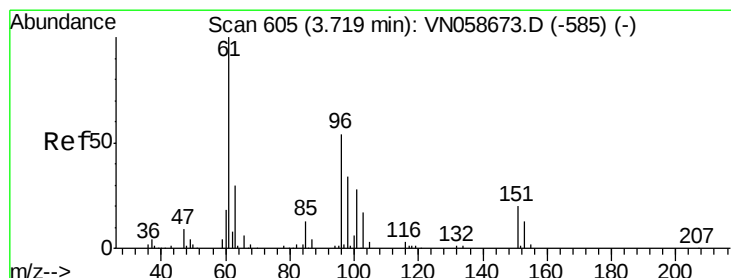
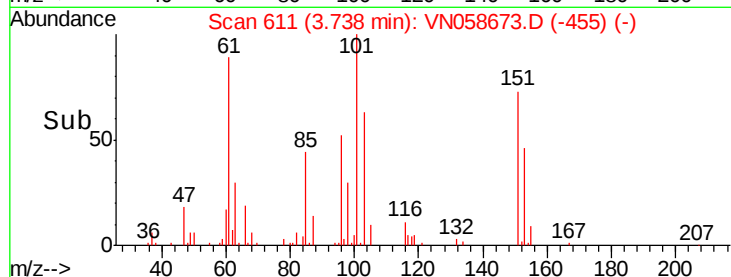
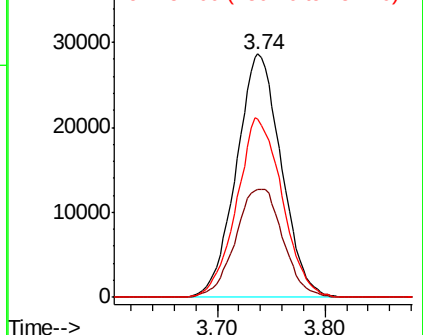
151 74.8 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.782 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

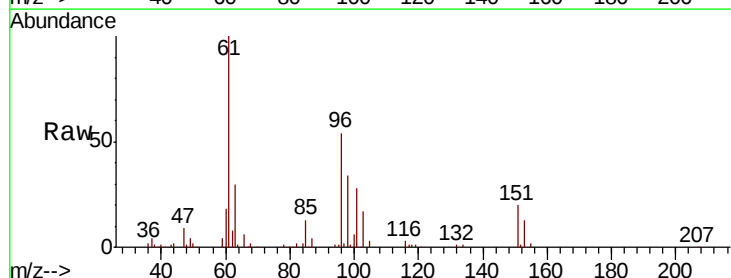
Tgt Ion: 96 Resp: 81905

Ion Ratio Lower Upper

96 100

61 185.6 148.5 222.7

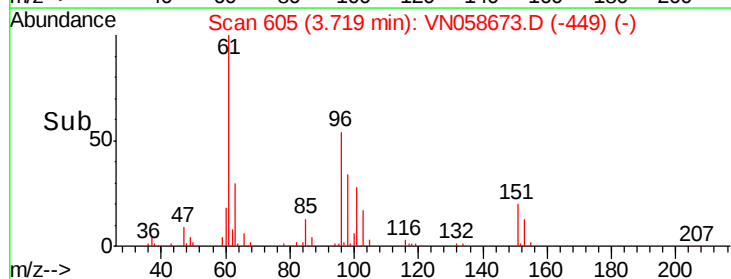
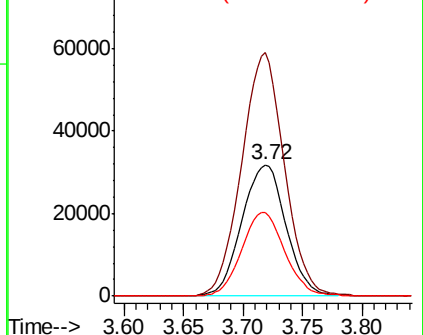
98 63.8 51.0 76.6

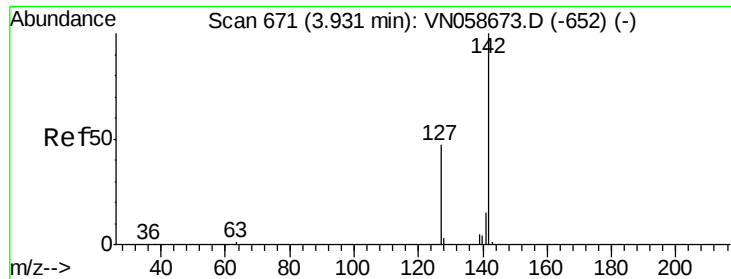


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

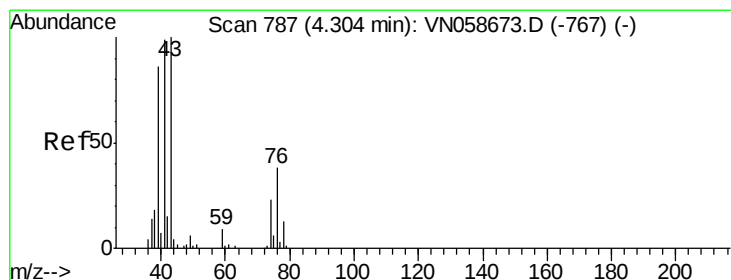
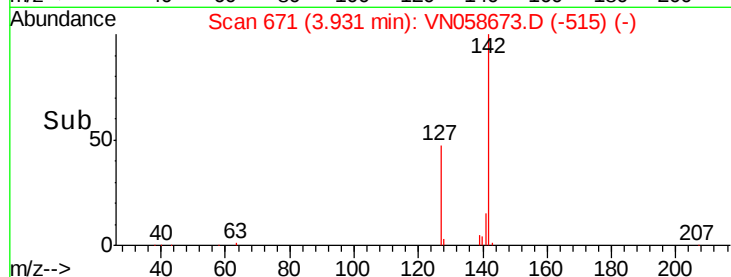
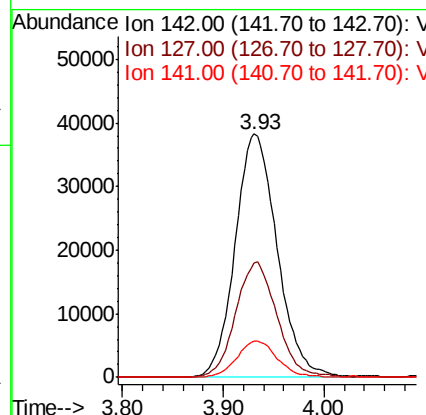
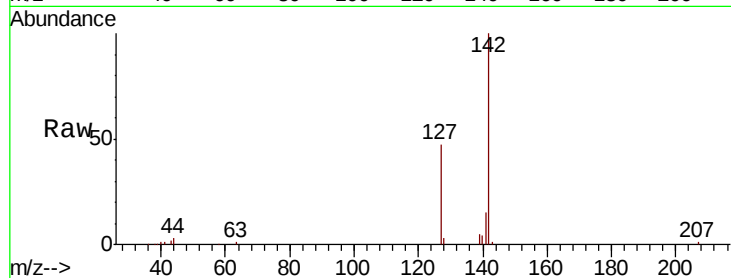




#11
Methyl Iodide
Concen: 24.025 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

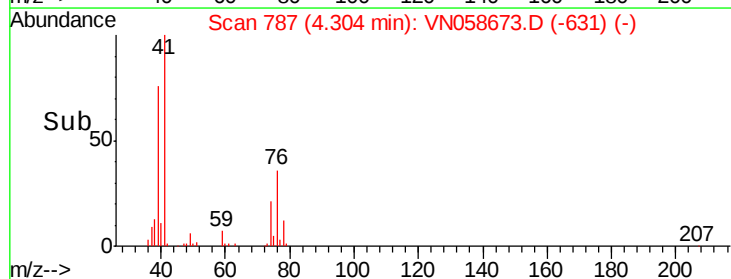
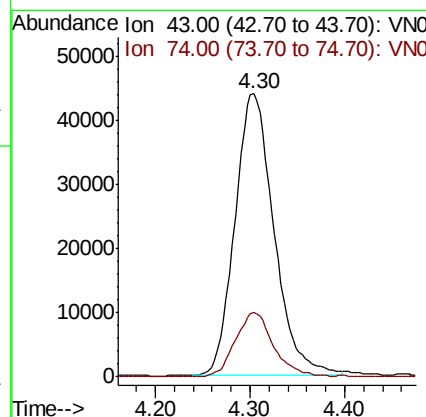
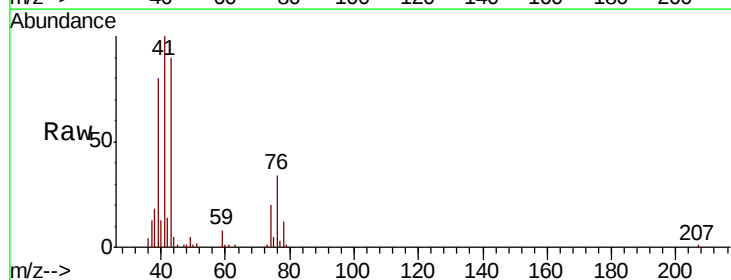
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

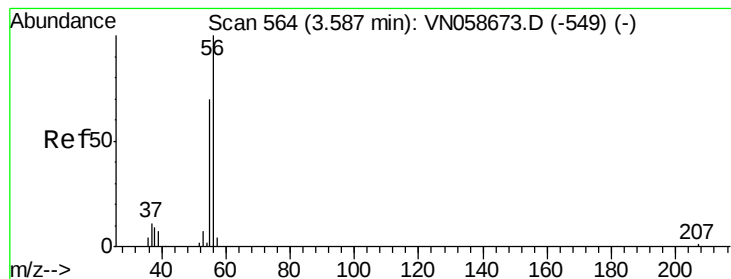
Tot Ion:142 Resp: 110672
Ion Ratio Lower Upper
142 100
127 47.1 23.5 70.6
141 14.8 7.4 22.2



#12
Methyl Acetate
Concen: 22.075 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 43 Resp: 126691
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1





#13

Acrolein

Concen: 259.384 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

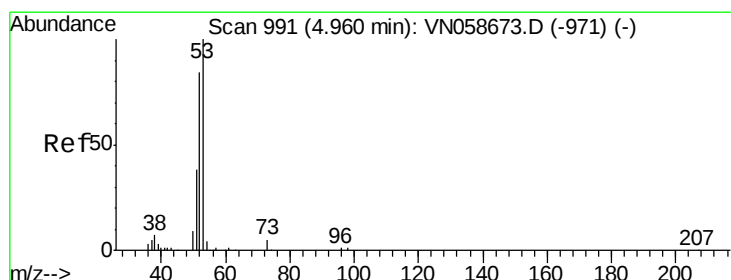
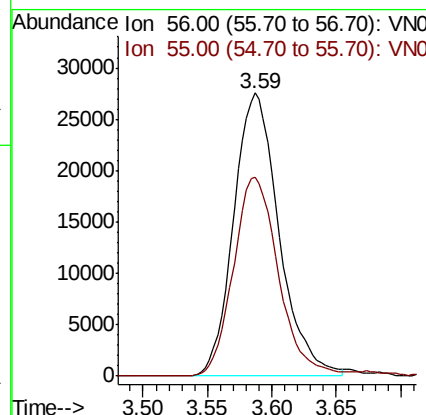
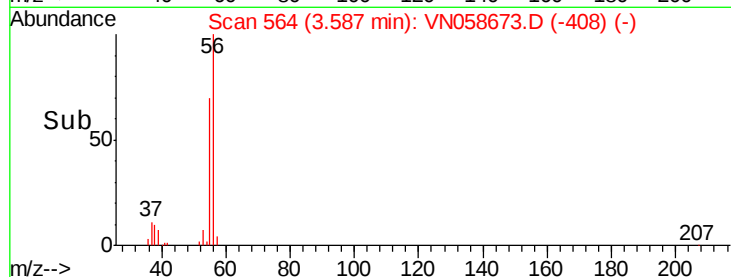
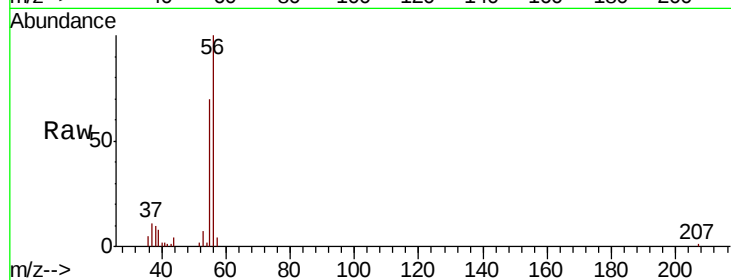
VSTDICCC020

Tot Ion: 56 Resp: 67459

Ion Ratio Lower Upper

56 100

55 69.9 55.9 83.9



#14

Acrylonitrile

Concen: 105.728 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

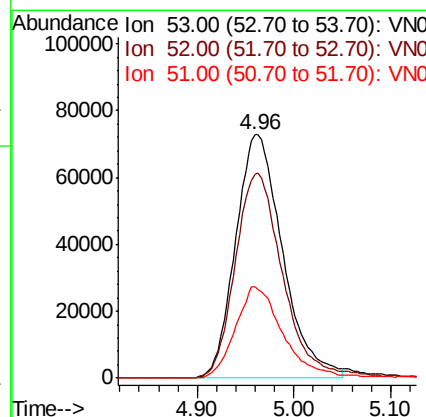
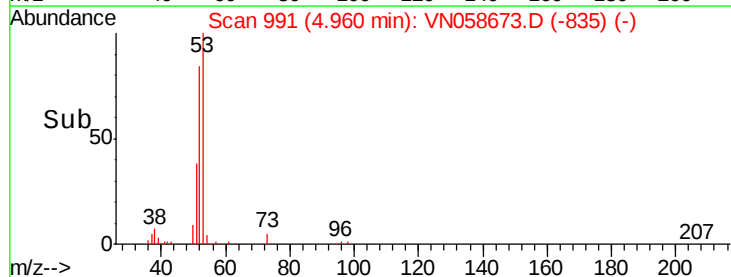
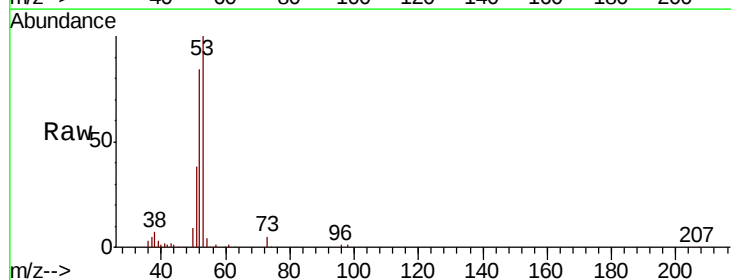
Tgt Ion: 53 Resp: 246083

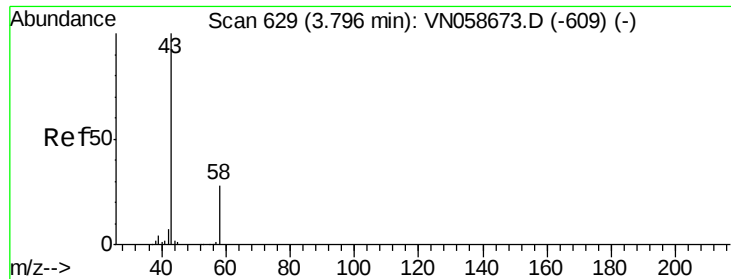
Ion Ratio Lower Upper

53 100

52 84.4 42.2 126.6

51 37.6 18.8 56.4





#15

Acetone

Concen: 112.442 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

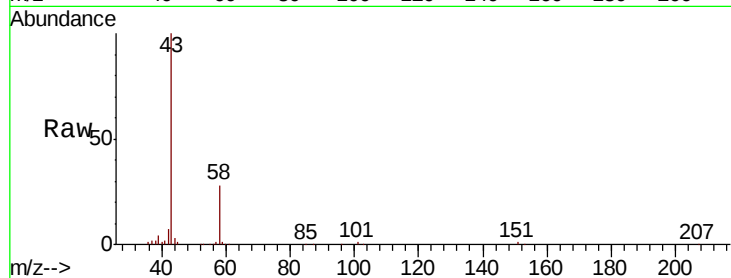
VSTDICCC020

Tot Ion: 58 Resp: 72453

Ion Ratio Lower Upper

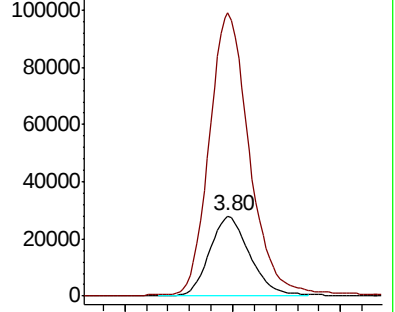
58 100

43 352.1 281.7 422.5

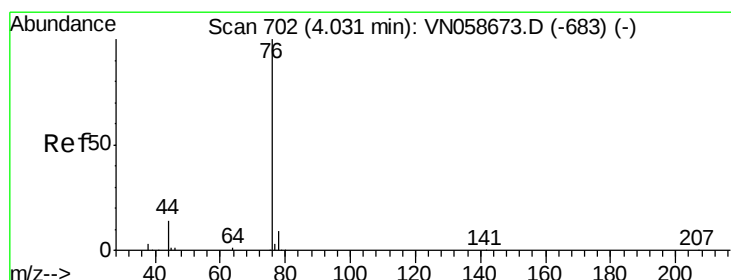
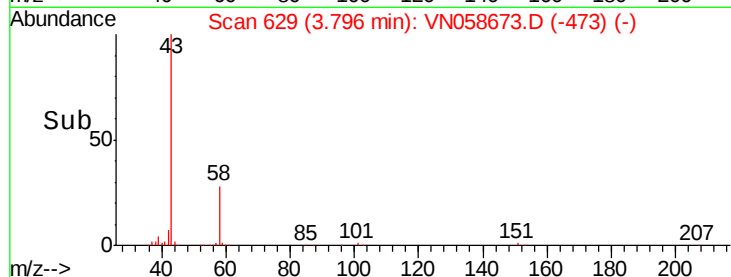


Abundance Ion 58.00 (57.70 to 58.70): VN058673.D (-609) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-609) (-)



Time-->



#16

Carbon Disulfide

Concen: 20.220 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058673.D

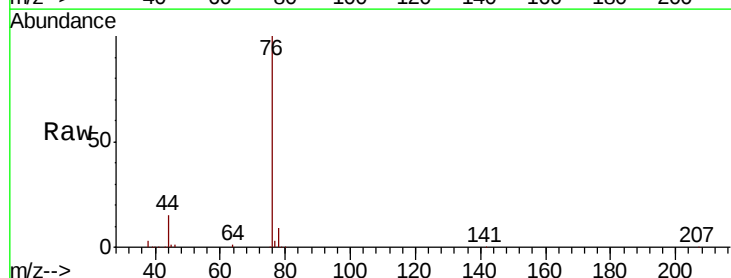
Acq: 10 Oct 2019 18:34

Tgt Ion: 76 Resp: 238099

Ion Ratio Lower Upper

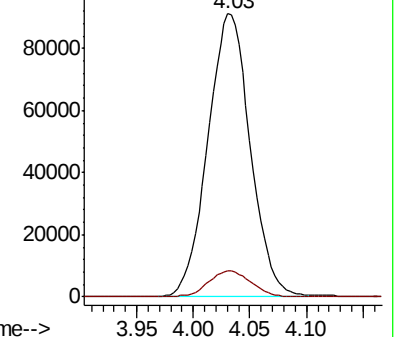
76 100

78 9.2 7.4 11.0

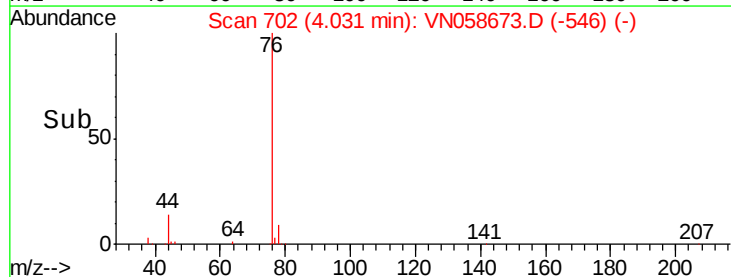


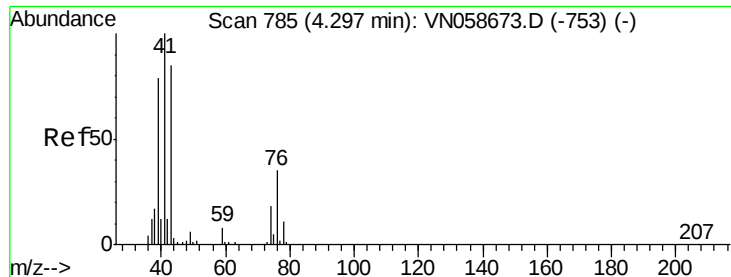
Abundance Ion 76.00 (75.70 to 76.70): VN058673.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN058673.D (-683) (-)



Time-->

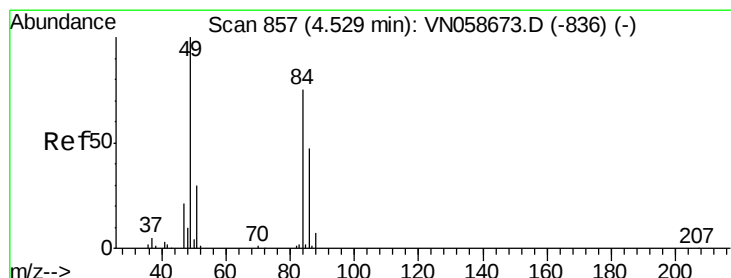
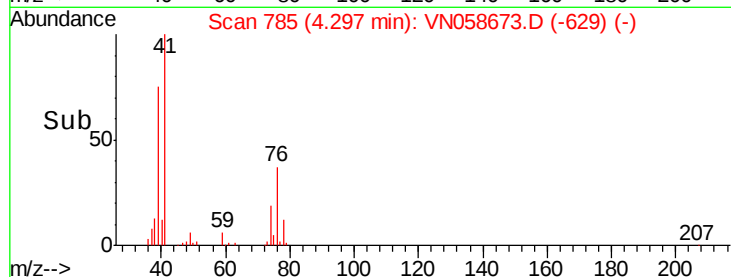
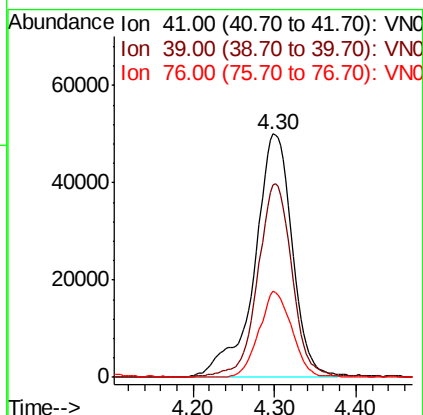
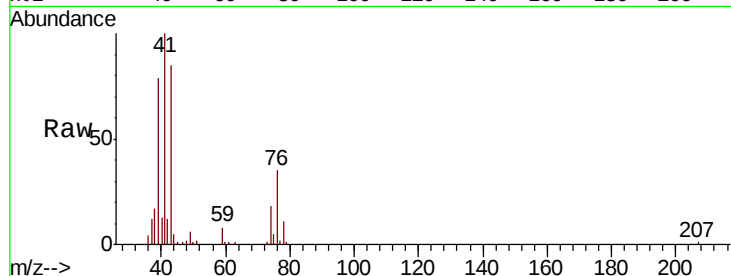




#17
Allvl chloride
Concen: 20.577 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

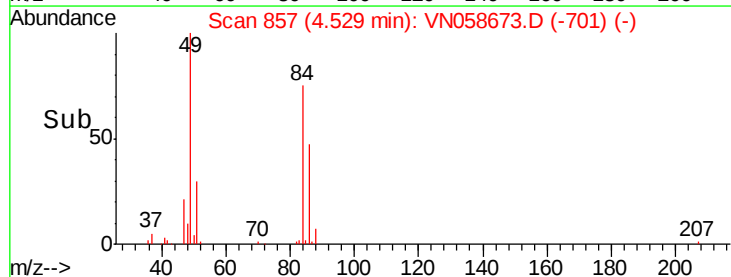
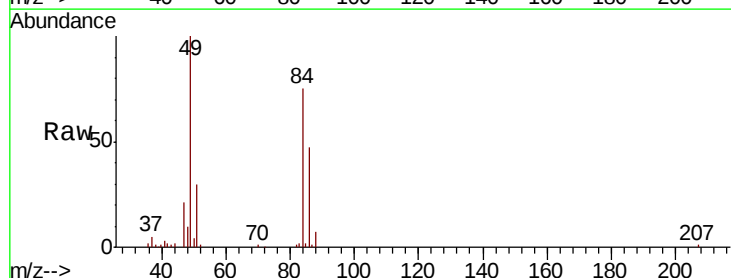
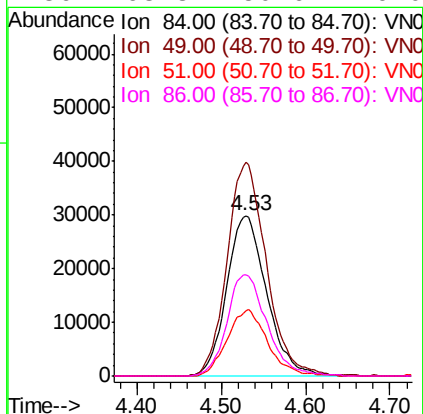
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

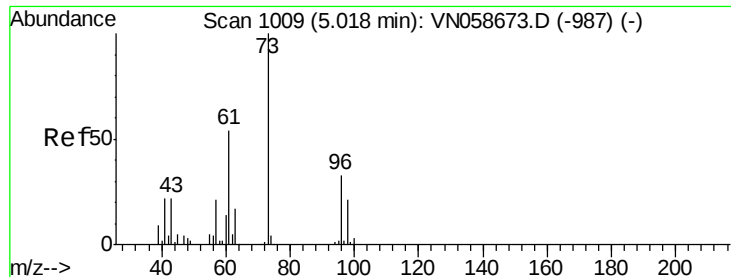
Tot Ion: 41 Resp: 161428
Ion Ratio Lower Upper
41 100
39 79.2 39.6 118.8
76 35.3 17.6 52.9



#18
Methylene Chloride
Concen: 20.091 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 84 Resp: 98455
Ion Ratio Lower Upper
84 100
49 133.3 106.6 160.0
51 40.5 32.4 48.6
86 63.3 50.6 76.0

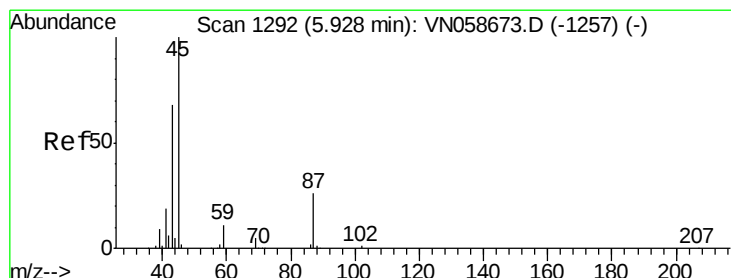
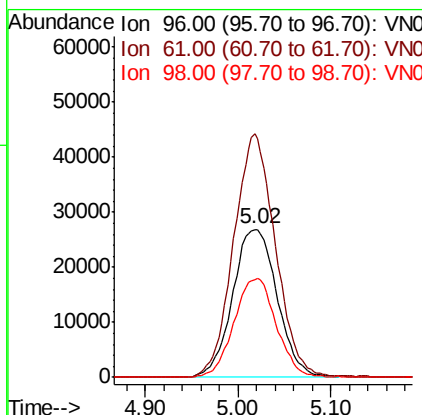
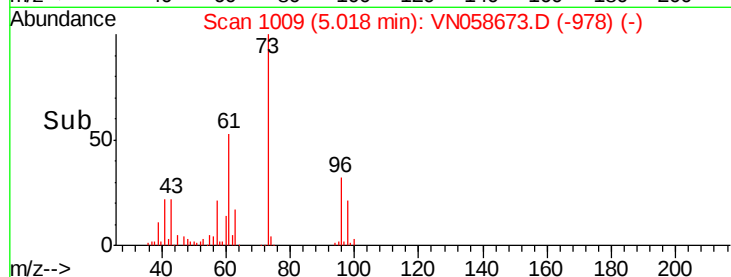
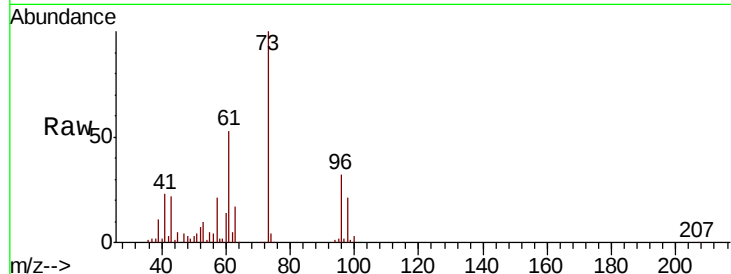




#19
trans-1,2-Dichloroethene
Concen: 19.369 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

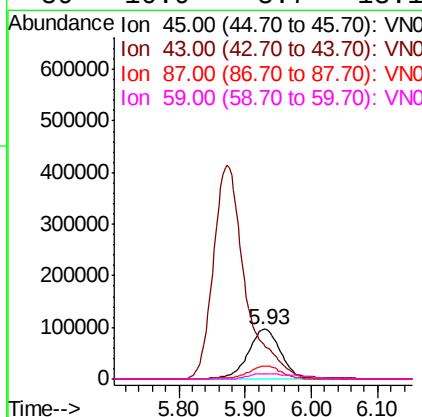
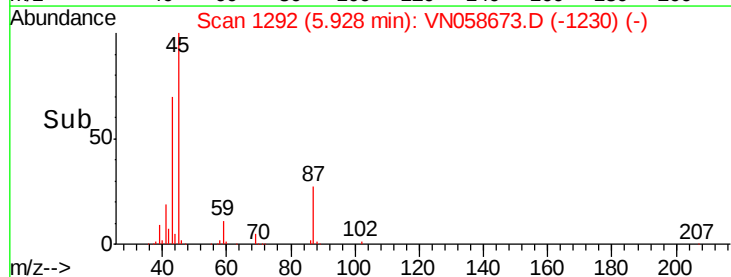
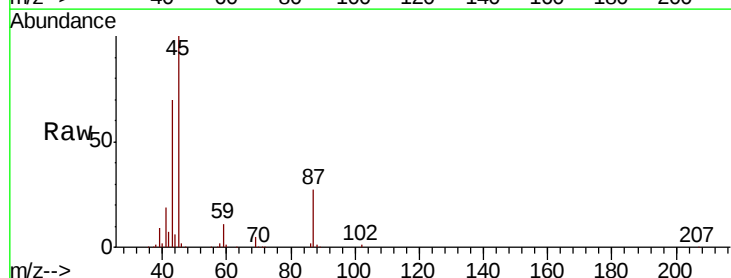
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

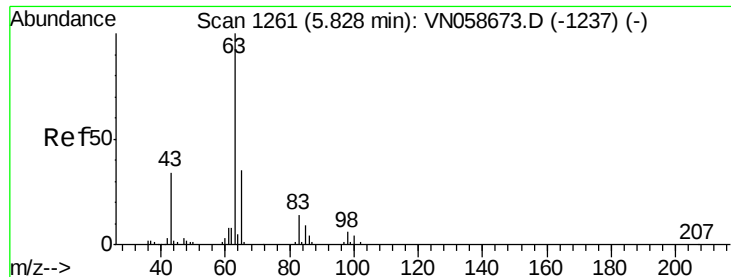
Tot Ion: 96 Resp: 89609
Ion Ratio Lower Upper
96 100
61 164.7 131.8 197.6
98 65.8 52.6 79.0



#20
Diisopropyl ether
Concen: 19.810 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 45 Resp: 328435
Ion Ratio Lower Upper
45 100
43 68.4 54.7 82.1
87 26.9 21.5 32.3
59 10.9 8.7 13.1

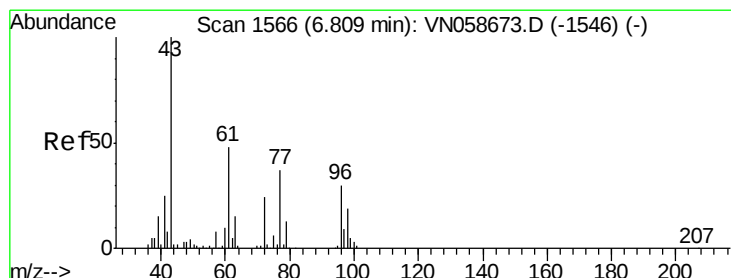
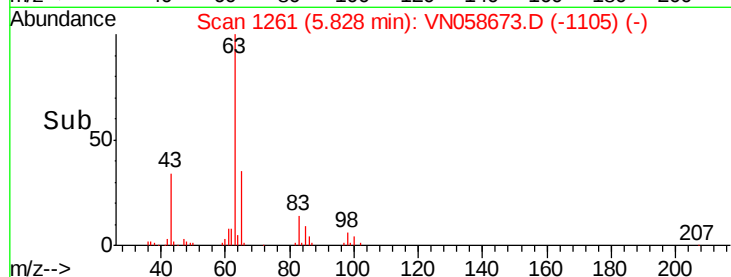
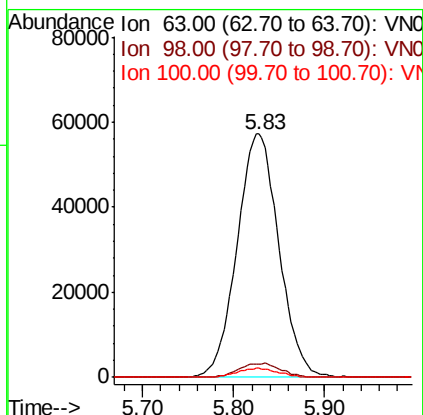
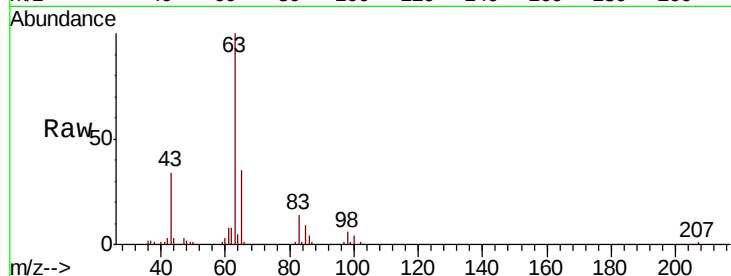




#21
 1,1-Dichloroethane
 Concen: 19.738 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

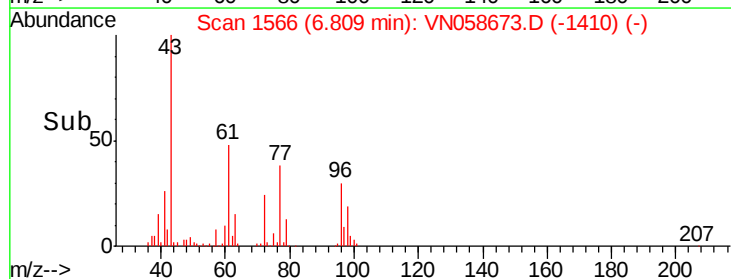
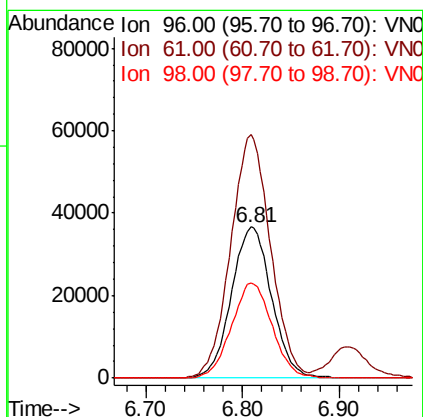
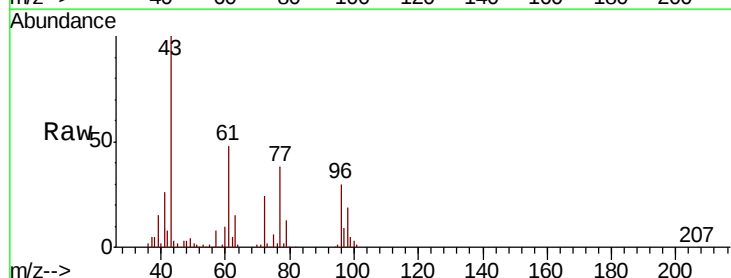
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

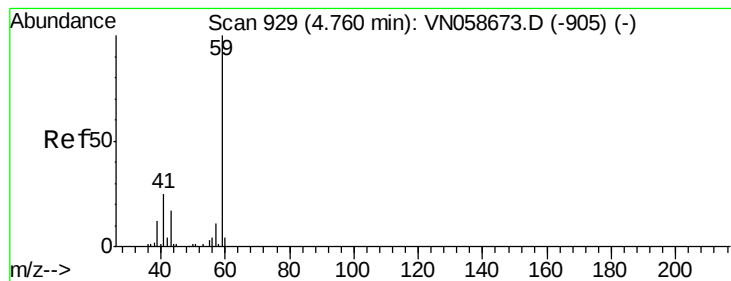
Tot Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.6
100	3.7	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.667 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	127.2	190.8
98	63.1	50.5	75.7





#23

tert-Butyl Alcohol

Concen: 114.546 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

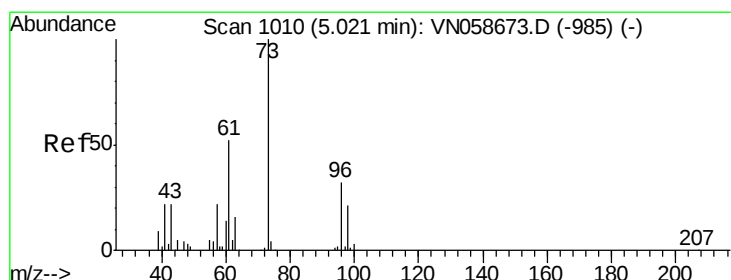
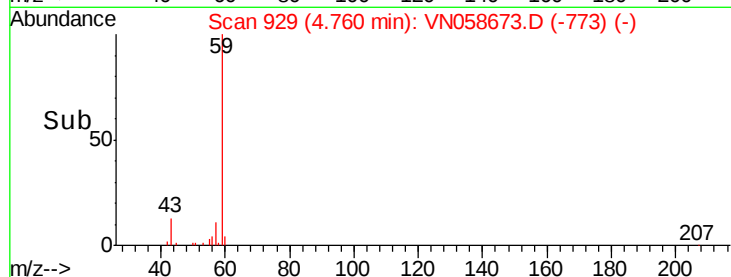
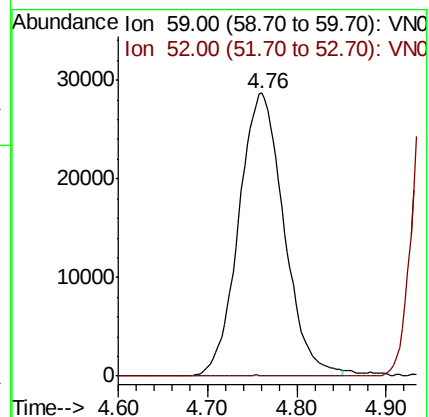
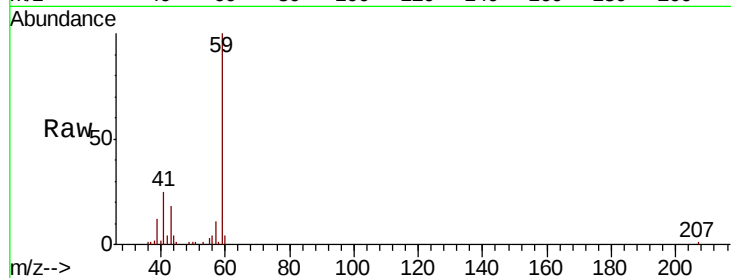
VSTDICCC020

Tot Ion: 59 Resp: 101078

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 20.188 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058673.D

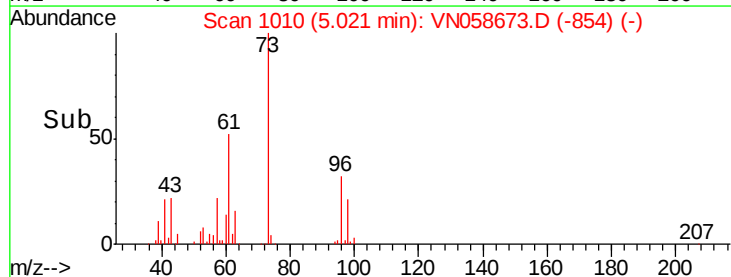
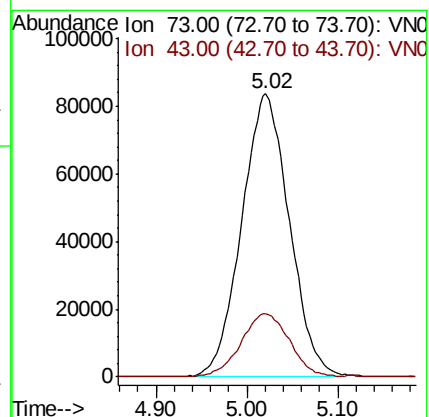
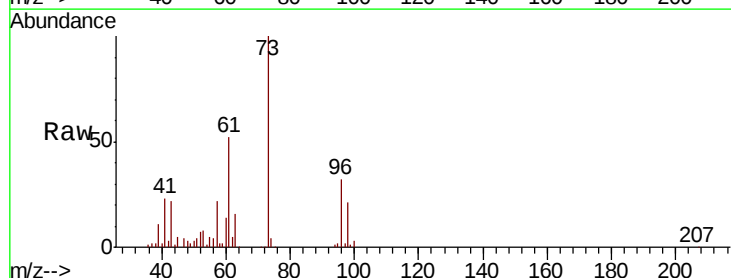
Acq: 10 Oct 2019 18:34

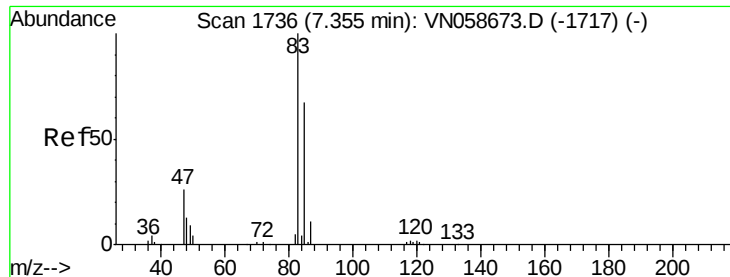
Tgt Ion: 73 Resp: 302405

Ion Ratio Lower Upper

73 100

43 22.4 17.9 26.9

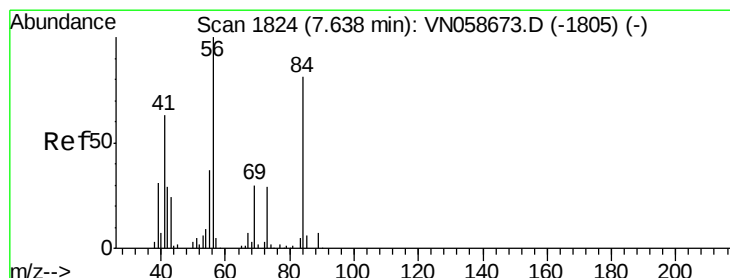
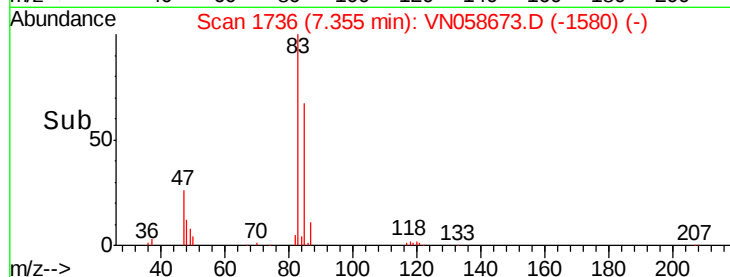
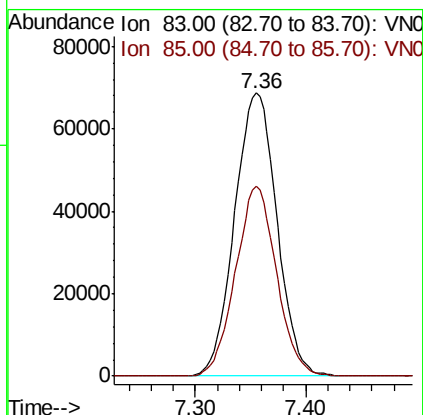
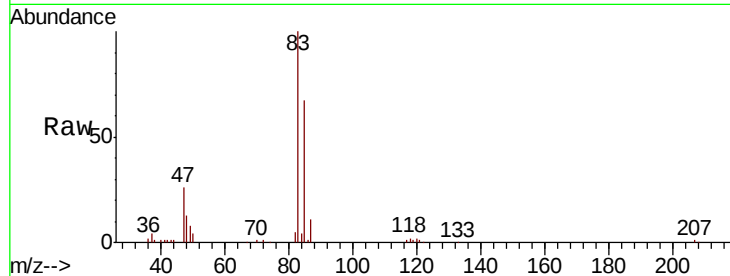




#25
Chloroform
Concen: 19.514 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

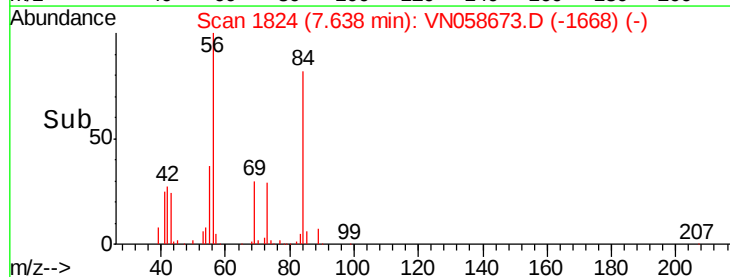
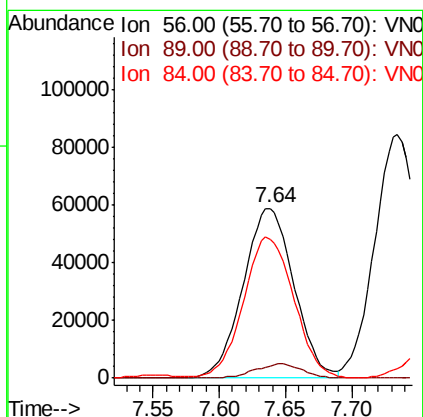
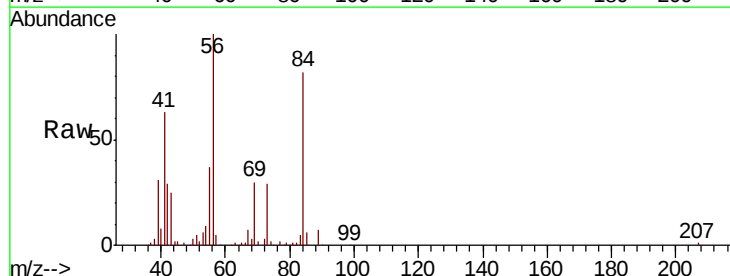
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

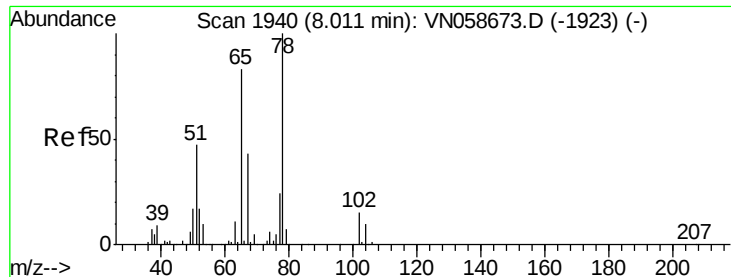
Tot Ion: 83 Resp: 182493
Ion Ratio Lower Upper
83 100
85 67.3 53.8 80.8



#26
Cyclohexane
Concen: 18.475 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 56 Resp: 157401
Ion Ratio Lower Upper
56 100
89 7.7 6.2 9.2
84 82.0 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 29.451 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

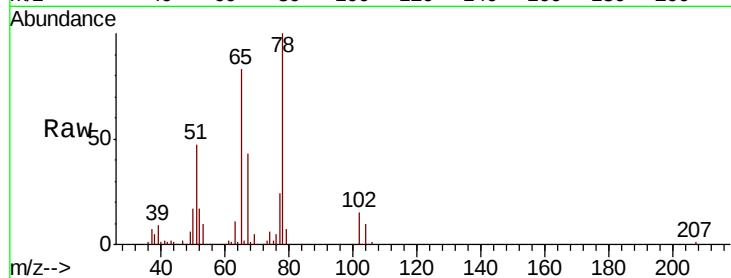
VSTDICCC020

Tot Ion: 65 Resp: 195226

Ion Ratio Lower Upper

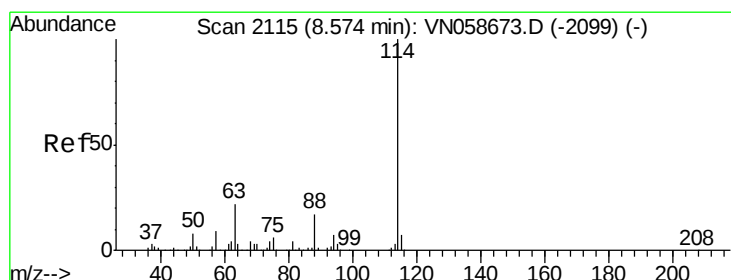
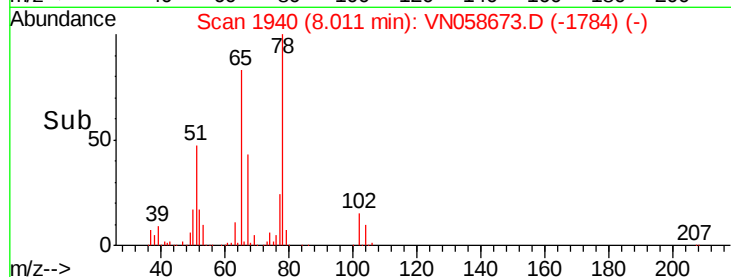
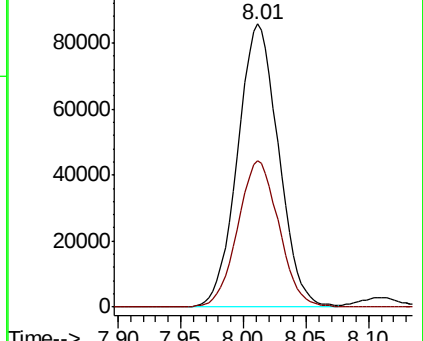
65 100

67 51.9 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN058673.D (-1923) (-)

Ion 67.00 (66.70 to 67.70): VN058673.D (-1923) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

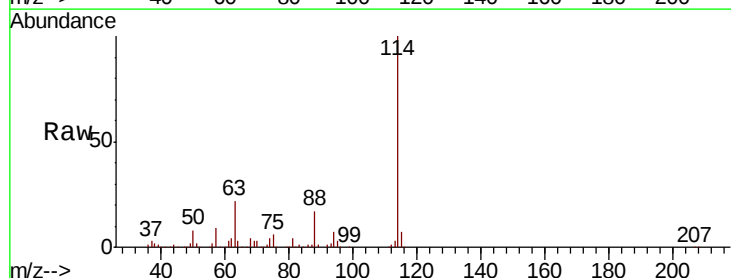
Tgt Ion: 114 Resp: 422377

Ion Ratio Lower Upper

114 100

63 22.6 18.1 27.1

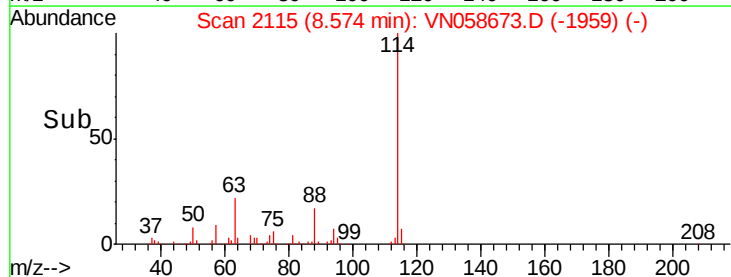
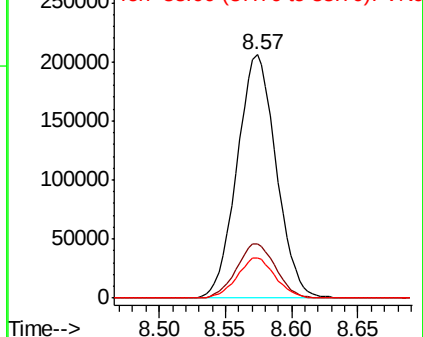
88 16.2 13.0 19.4

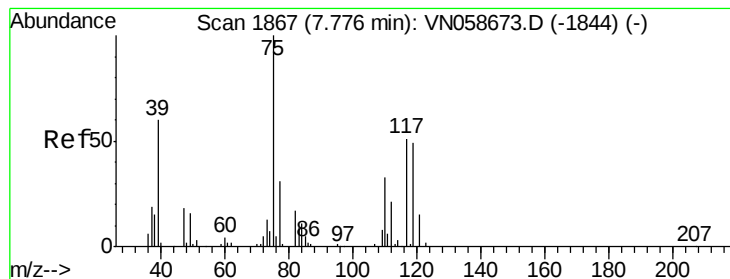


Abundance Ion 114.00 (113.70 to 114.70): VN058673.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058673.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058673.D (-2099) (-)





#29

1,1-Dichloropropene

Concen: 19.624 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

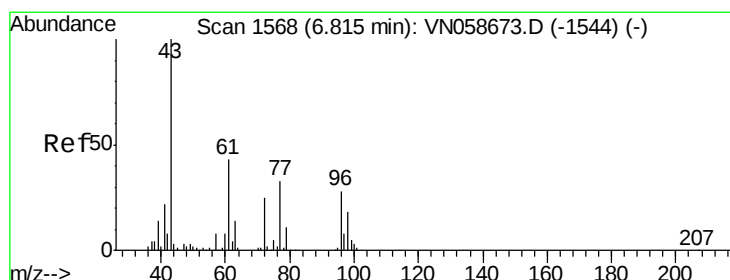
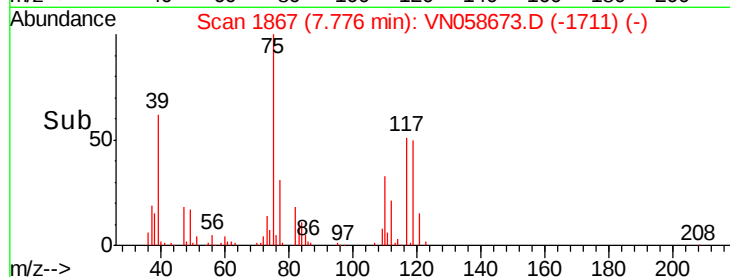
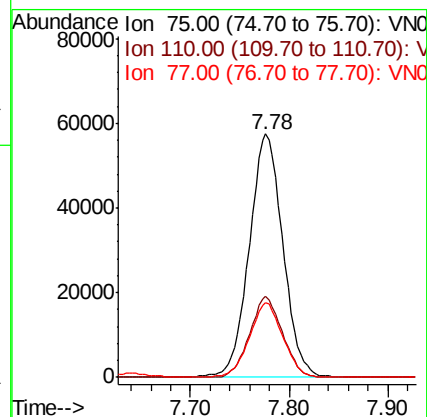
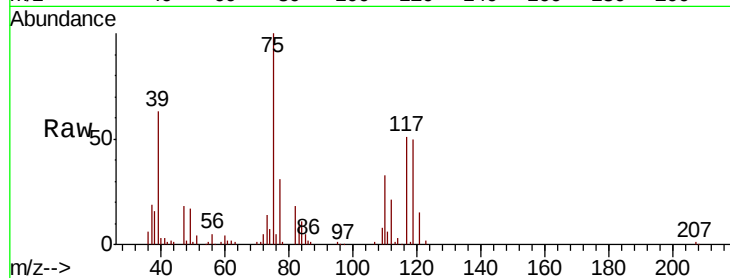
Tot Ion: 75 Resp: 135540

Ion Ratio Lower Upper

75 100

110 32.3 0.0 64.6

77 30.4 0.0 60.8



#30

2-Butanone

Concen: 113.644 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

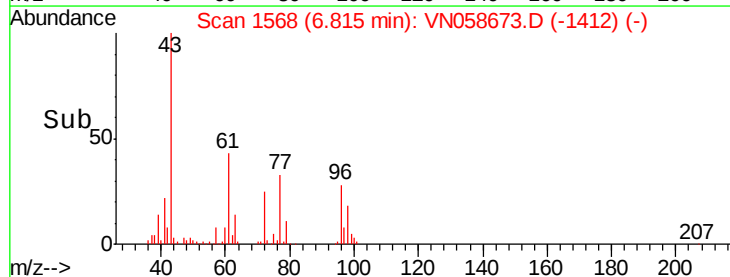
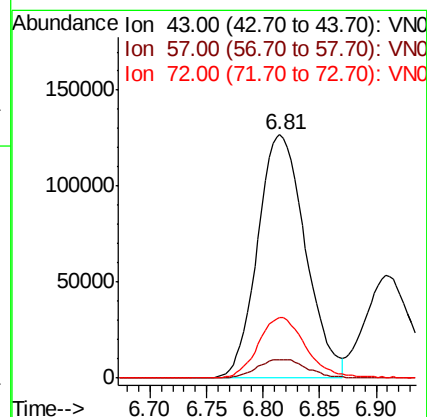
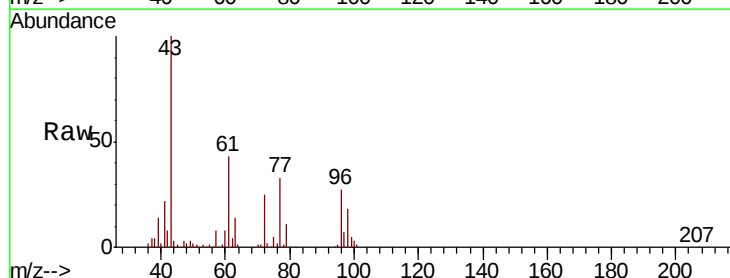
Tgt Ion: 43 Resp: 370495

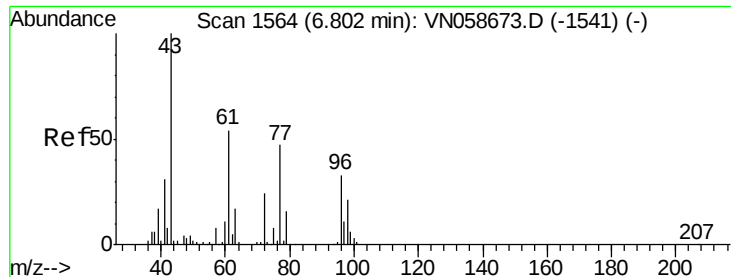
Ion Ratio Lower Upper

43 100

57 8.1 6.5 9.7

72 25.1 20.1 30.1





#31

2,2-Dichloropropane

Concen: 21.207 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

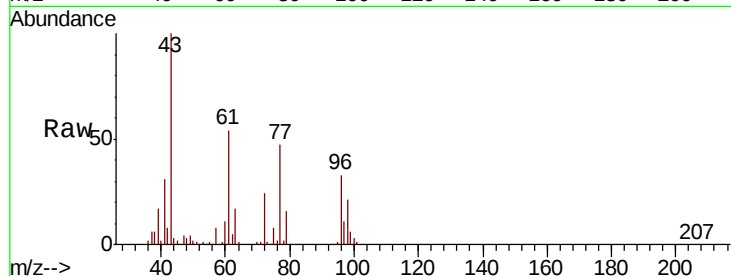
VSTDICCC020

Tot Ion: 77 Resp: 154246

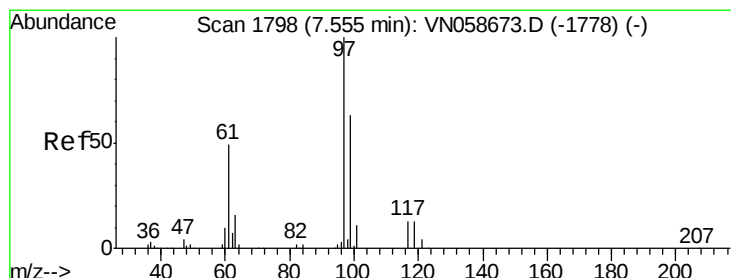
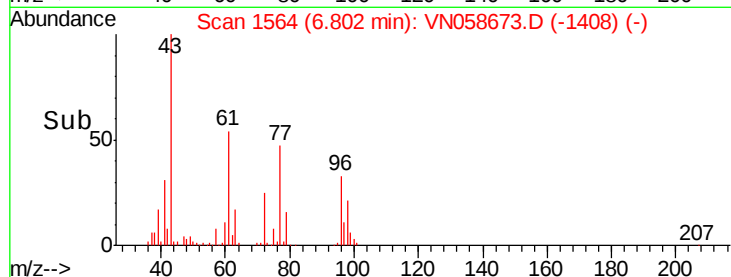
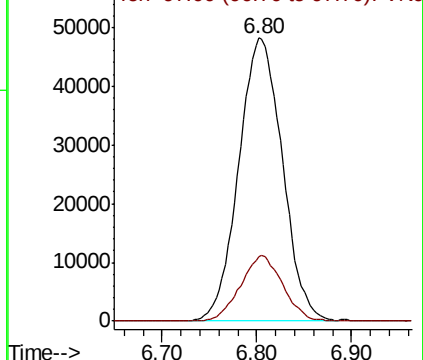
Ion Ratio Lower Upper

77 100

97 22.4 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VNO
Ion 97.00 (96.70 to 97.70): VNO



#32

1,1,1-Trichloroethane

Concen: 21.014 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

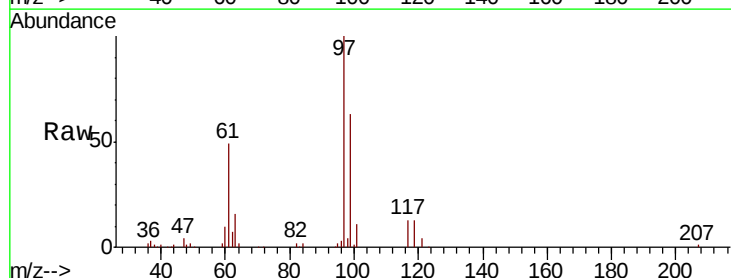
Tgt Ion: 97 Resp: 159424

Ion Ratio Lower Upper

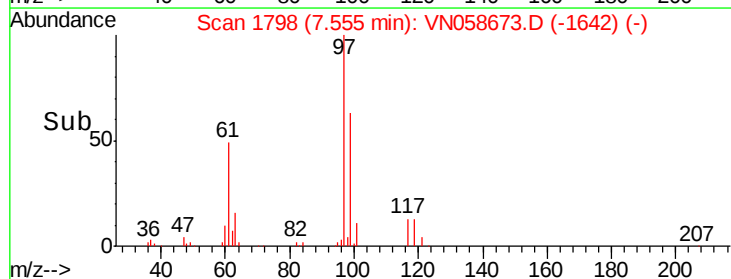
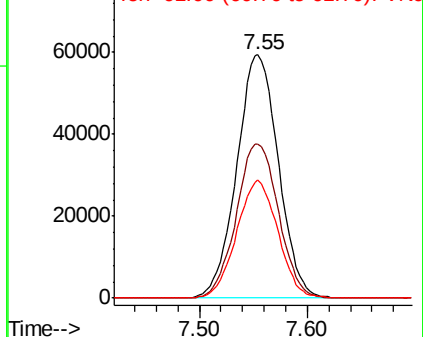
97 100

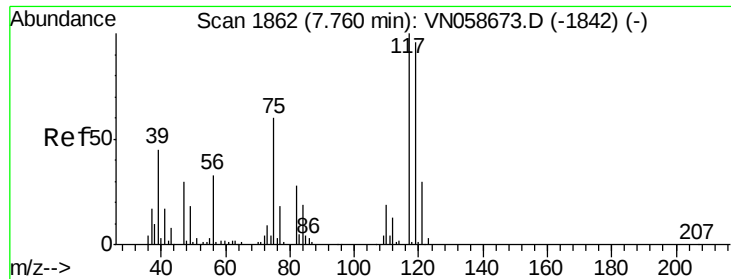
99 64.1 51.3 76.9

61 48.0 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 99.00 (98.70 to 99.70): VNO
Ion 61.00 (60.70 to 61.70): VNO

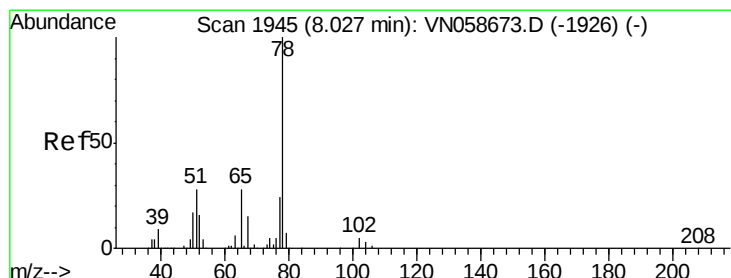
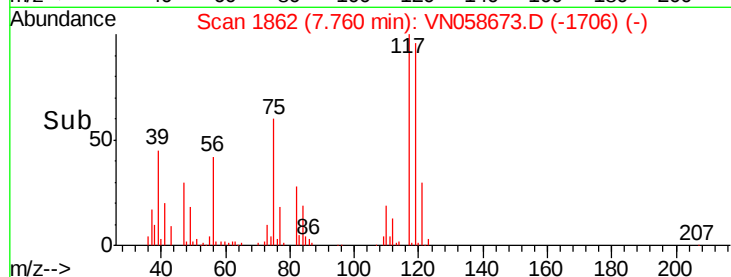
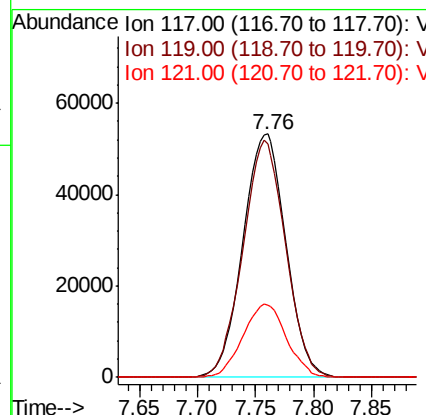
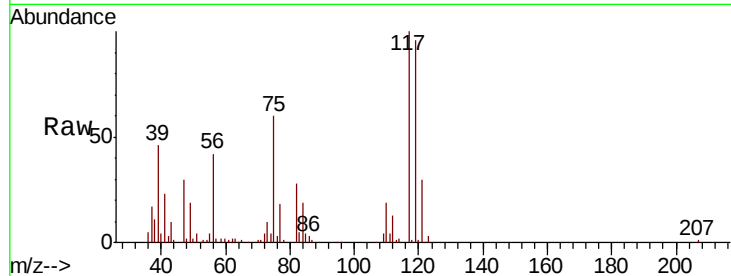




#33
Carbon Tetrachloride
Concen: 21.180 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

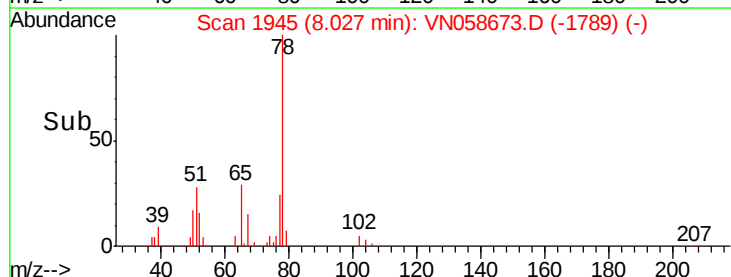
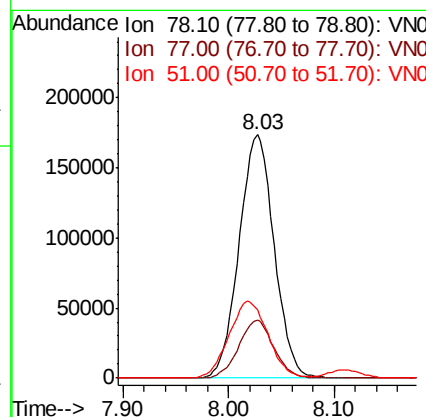
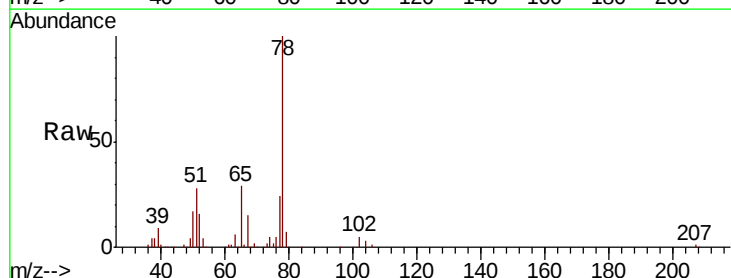
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

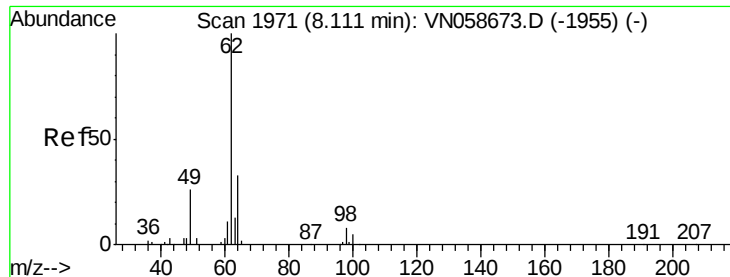
Tot Ion:117 Resp: 137049
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
121 29.8 23.8 35.8



#34
Benzene
Concen: 20.342 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 78 Resp: 401105
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8
51 27.6 22.1 33.1

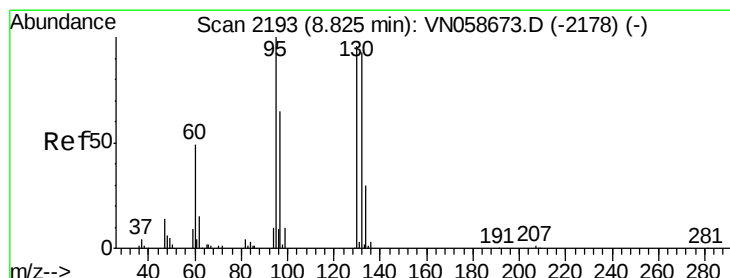
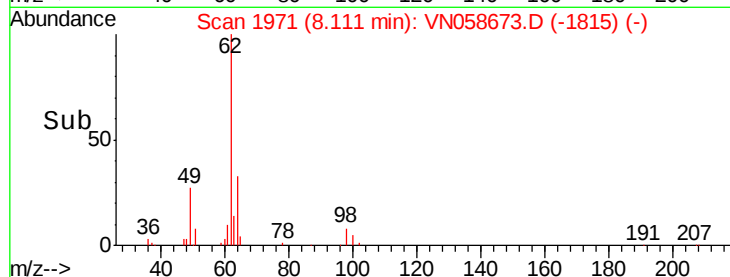
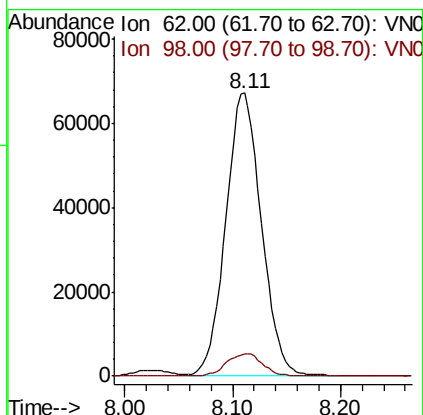
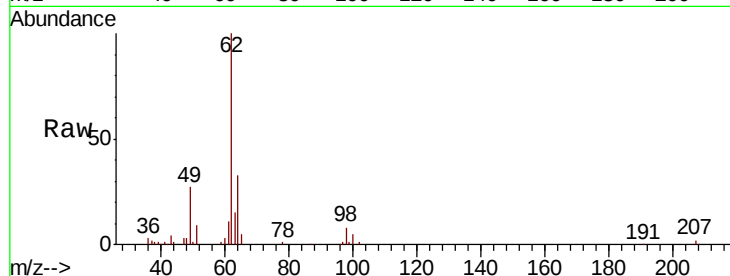




#36
 1,2-Dichloroethane
 Concen: 19.985 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

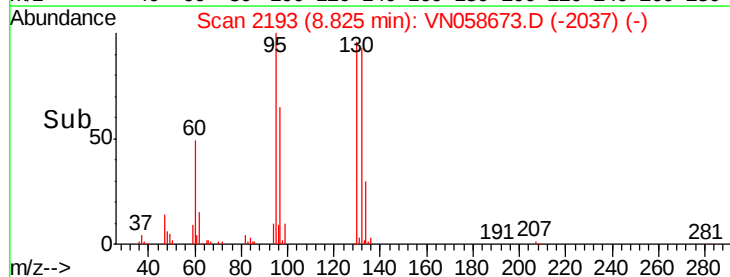
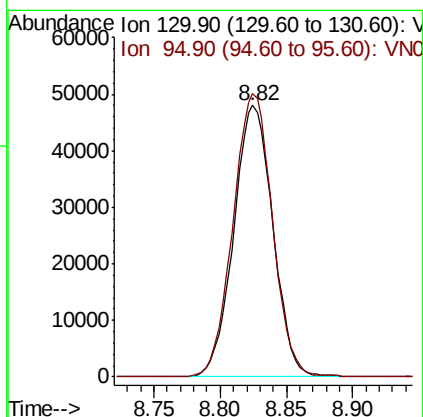
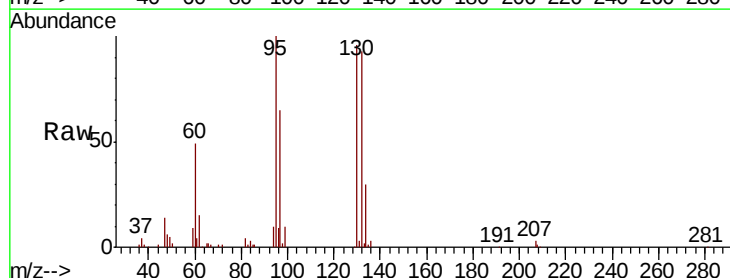
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

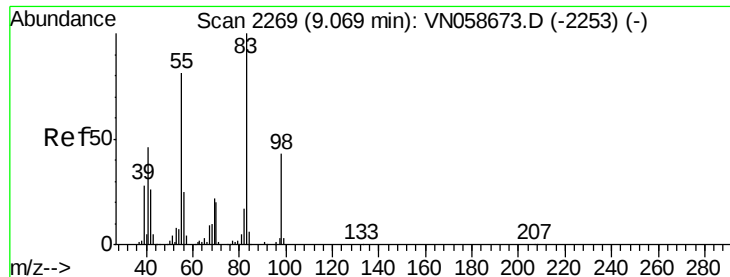
Tot Ion: 62 Resp: 154228
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.4 9.6



#37
 Trichloroethene
 Concen: 19.999 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion: 130 Resp: 98550
 Ion Ratio Lower Upper
 130 100
 95 104.0 83.2 124.8

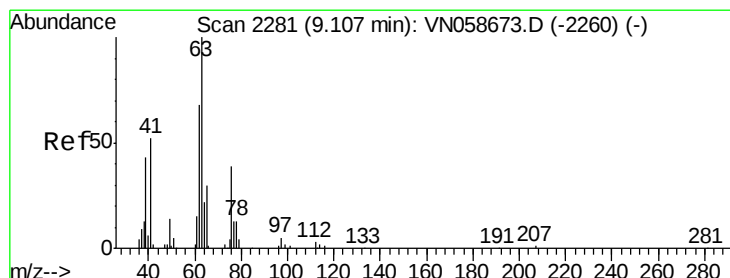
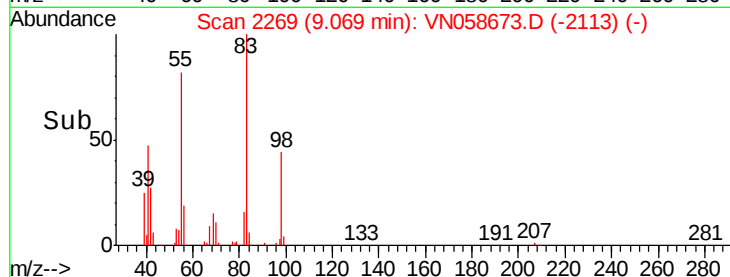
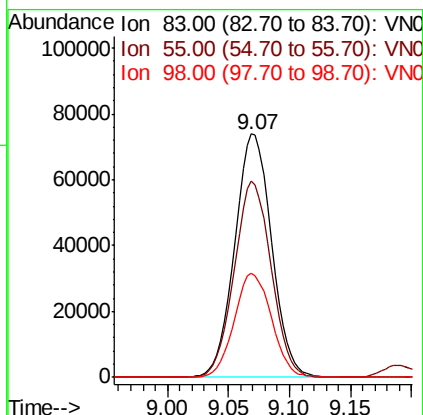
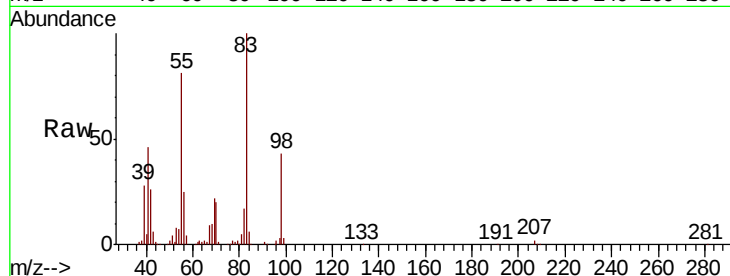




#38
Methvlcvclohexane
Concen: 18.627 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

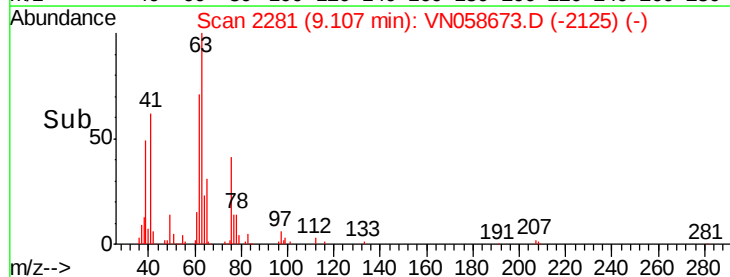
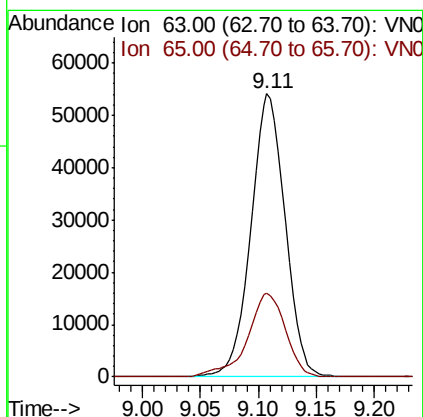
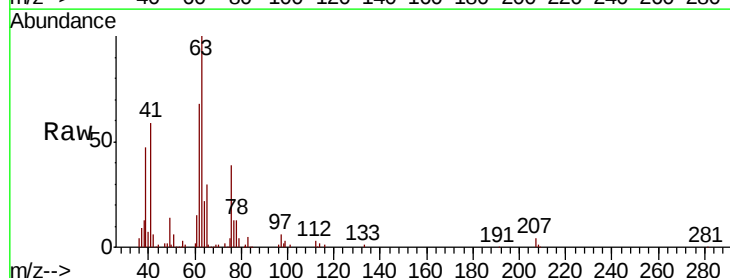
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

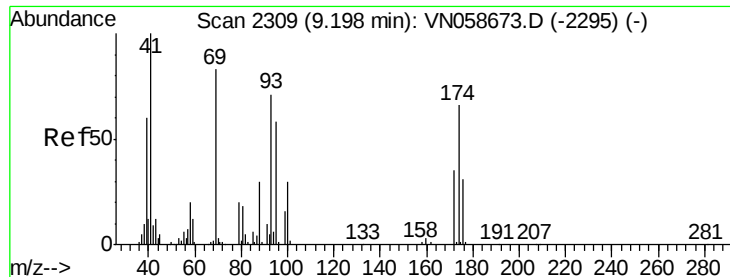
Tot Ion: 83 Resp: 154642
Ion Ratio Lower Upper
83 100
55 80.7 40.4 121.1
98 43.3 21.6 65.0



#39
1,2-Dichloropropane
Concen: 20.544 ug/l
RT: 9.11 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 63 Resp: 111271
Ion Ratio Lower Upper
63 100
65 29.7 23.8 35.6





#40

Dibromomethane

Concen: 20.430 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

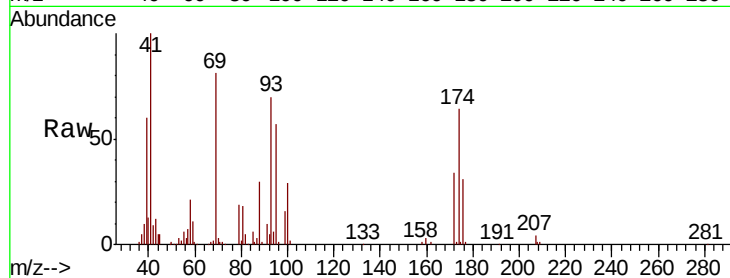
Tot Ion: 93 Resp: 69626

Ion Ratio Lower Upper

93 100

95 83.8 0.0 167.6

174 93.6 0.0 187.2

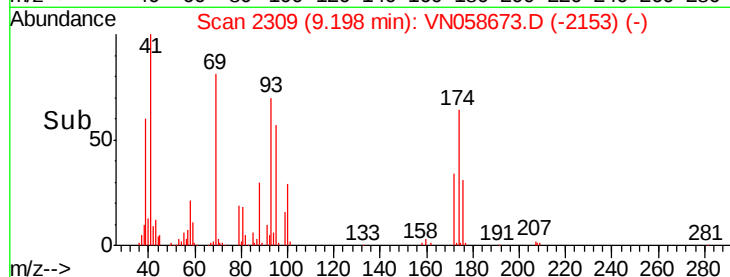


Abundance Ion 93.00 (92.70 to 93.70): VN058673.D (-2295) (-)

Ion 95.00 (94.70 to 95.70): VN058673.D (-2295) (-)

Ion 174.00 (173.70 to 174.70): VN058673.D (-2295) (-)

Time--> 9.10 9.15 9.20 9.25

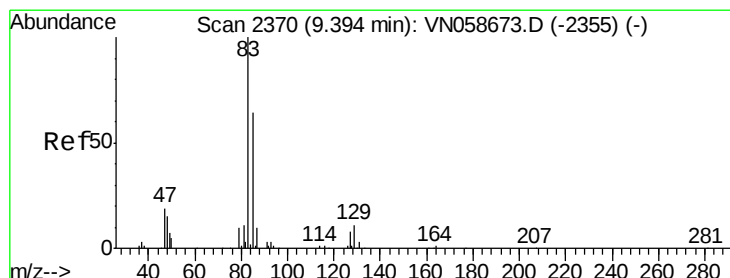


Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2355) (-)

Ion 85.00 (84.70 to 85.70): VN058673.D (-2355) (-)

Ion 127.00 (126.70 to 127.70): VN058673.D (-2355) (-)

Time--> 9.30 9.35 9.40 9.45



#41

Bromodichloromethane

Concen: 20.778 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

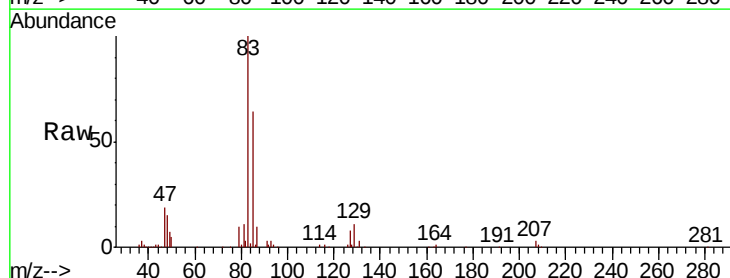
Tgt Ion: 83 Resp: 141424

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.4

127 8.2 6.6 9.8

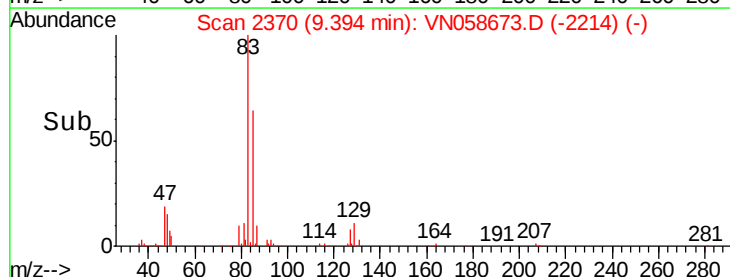


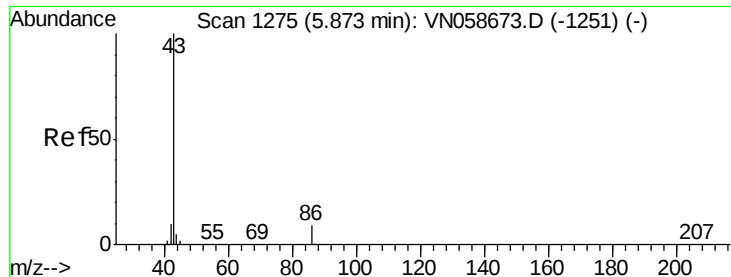
Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2214) (-)

Ion 85.00 (84.70 to 85.70): VN058673.D (-2214) (-)

Ion 127.00 (126.70 to 127.70): VN058673.D (-2214) (-)

Time--> 9.30 9.35 9.40 9.45

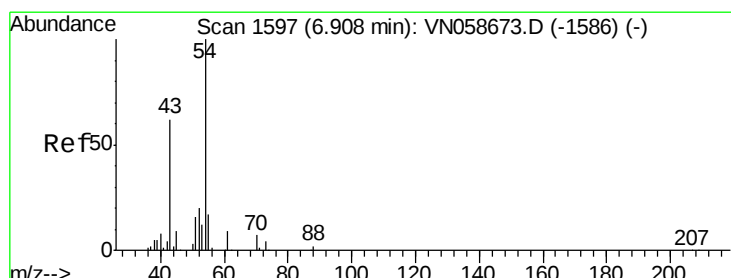
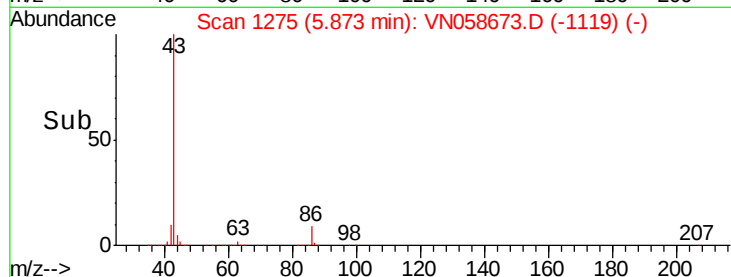
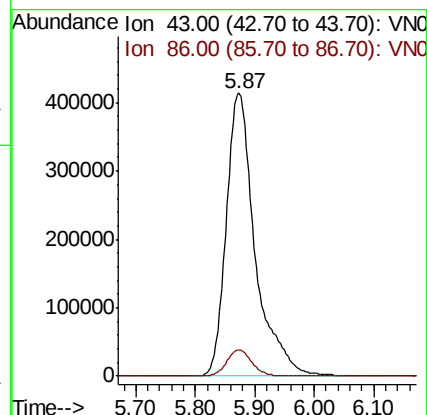
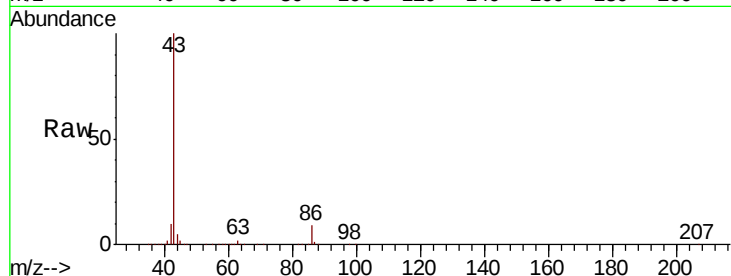




#42
 Vinyl Acetate
 Concen: 114.192 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

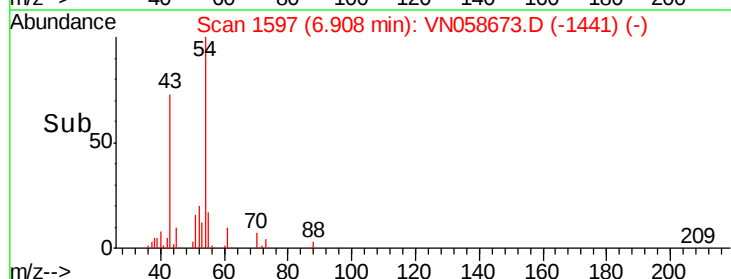
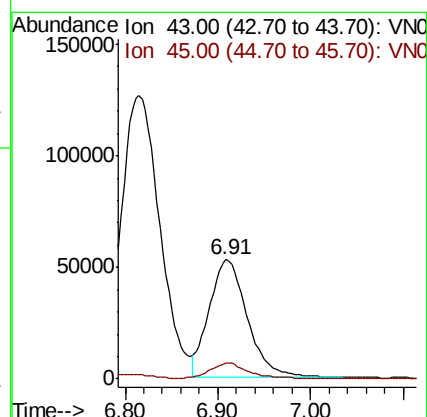
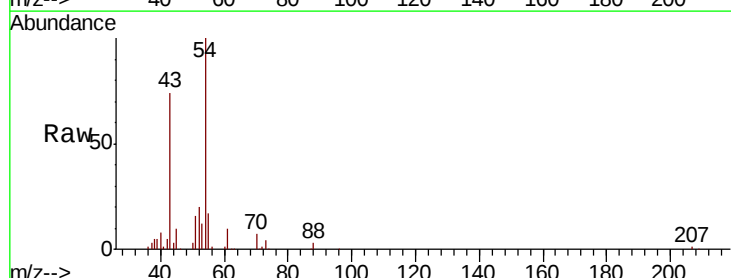
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

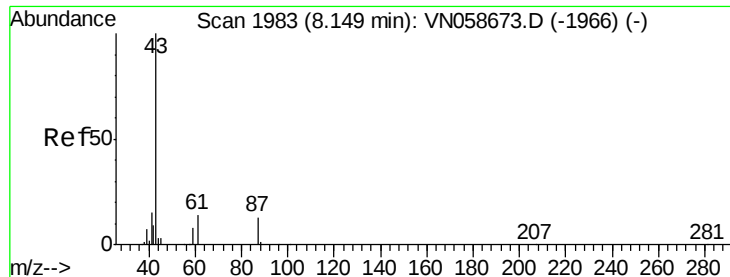
Tot Ion: 43 Resp: 1396618
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#43
 Ethyl Acetate
 Concen: 23.157 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion: 43 Resp: 151392
 Ion Ratio Lower Upper
 43 100
 45 12.1 9.7 14.5





#44

Isopropyl Acetate

Concen: 21.118 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

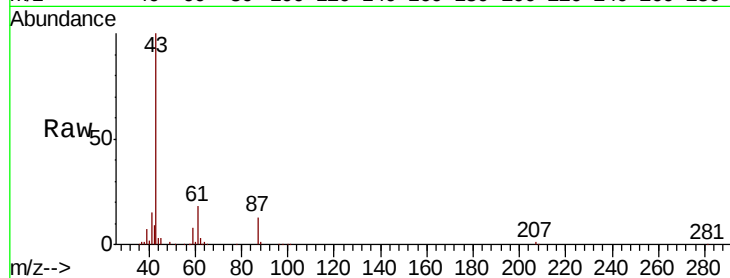
VSTDICCC020

Tot Ion: 43 Resp: 240360

Ion Ratio Lower Upper

43 100

61 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

8.15

120000

100000

80000

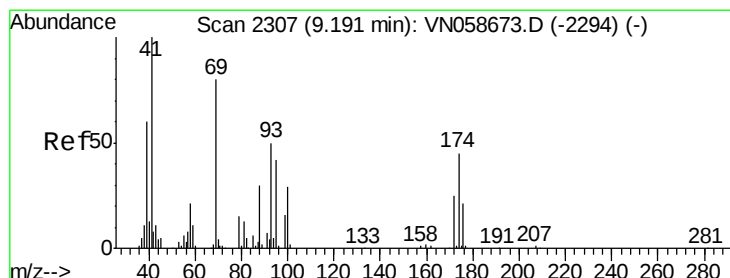
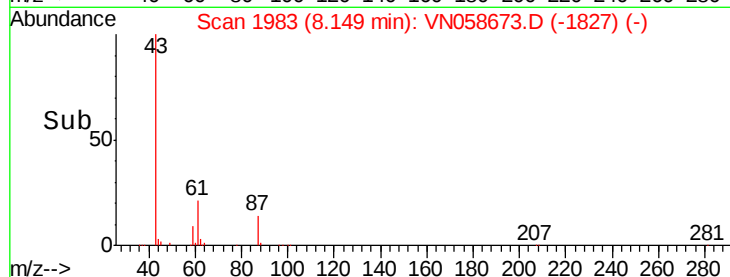
60000

40000

20000

0

Time-->



#45

1,4-Dioxane

Concen: 387.108 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

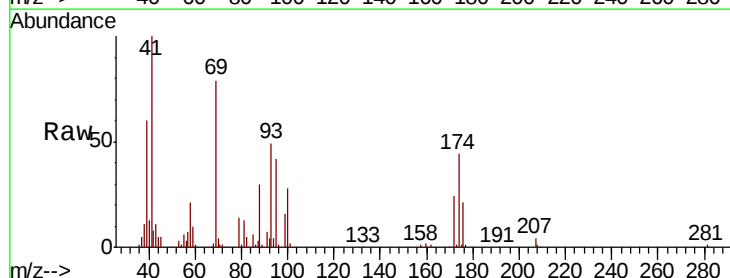
Tgt Ion: 88 Resp: 36120

Ion Ratio Lower Upper

88 100

43 37.3 29.8 44.8

58 72.8 58.2 87.4



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

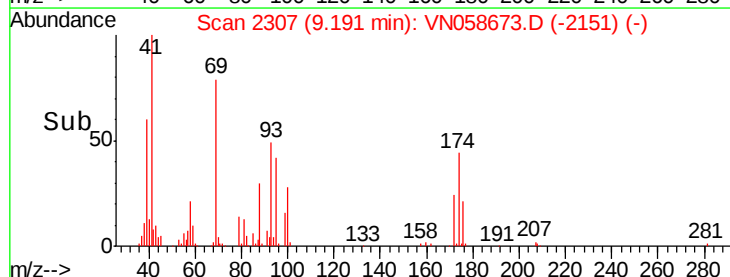
150000

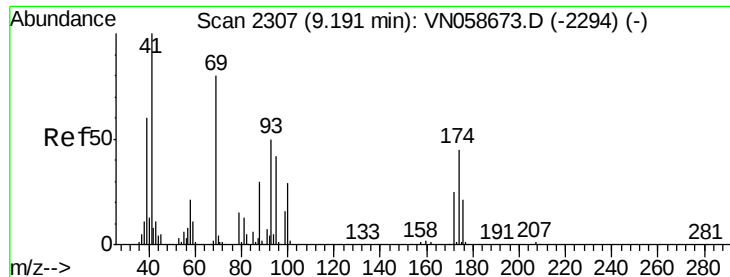
100000

50000

0

Time-->

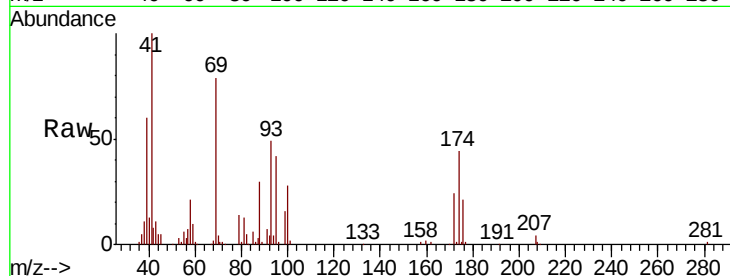




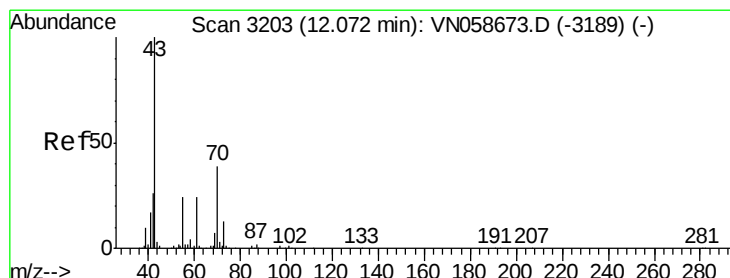
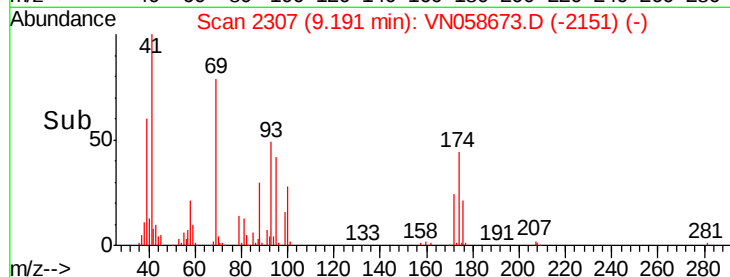
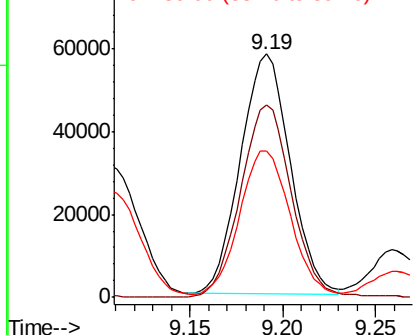
#46
Methyl methacrylate
Concen: 20.164 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
69	80.3	40.2	120.5
39	59.9	29.9	89.8

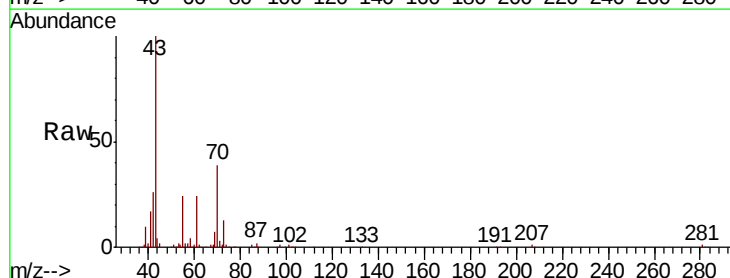


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

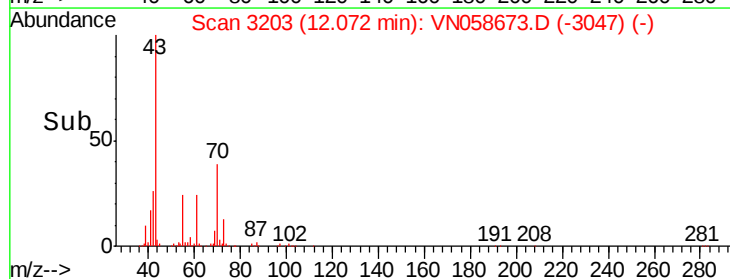
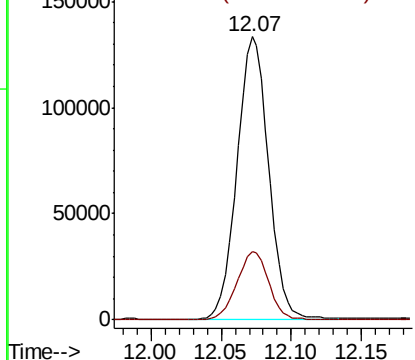


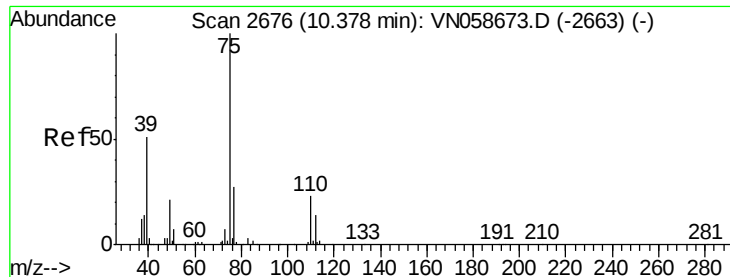
#47
n-ethyl acetate
Concen: 20.857 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
43	100		
55	24.5	19.6	29.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 21.302 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

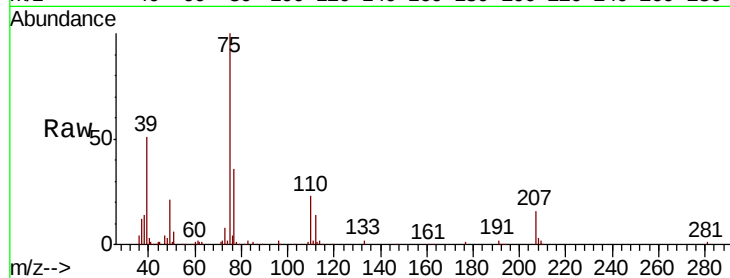
VSTDICCC020

Tot Ion: 75 Resp: 160771

Ion Ratio Lower Upper

75 100

77 33.7 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

80000

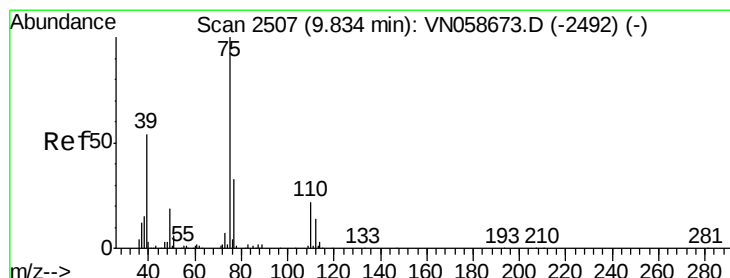
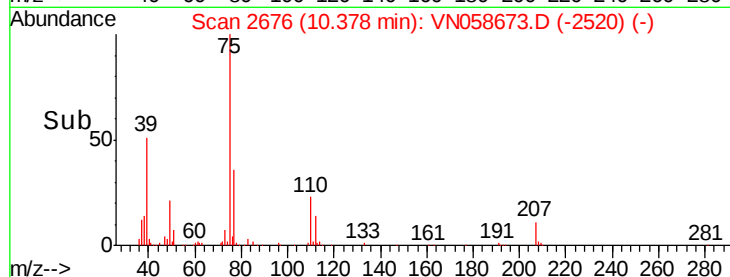
60000

40000

20000

0

Time--> 10.30 10.40



#49

cis-1,3-Dichloropropene

Concen: 20.707 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

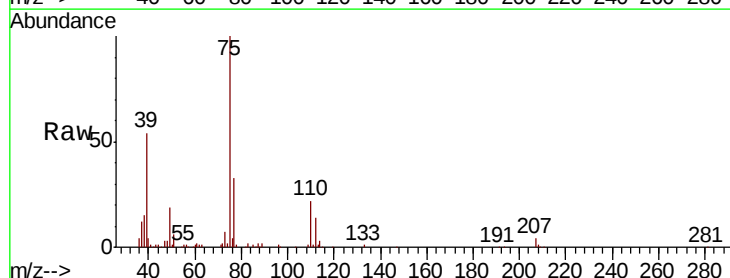
Tgt Ion: 75 Resp: 171155

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

39 53.9 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

120000

100000

80000

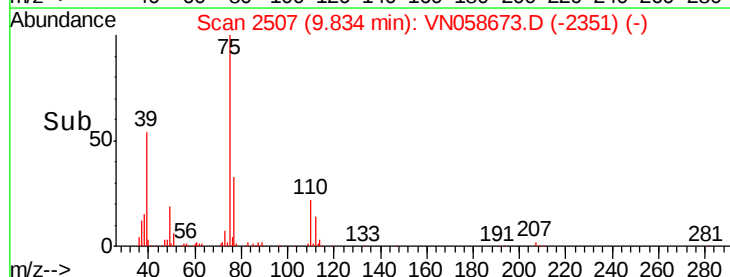
60000

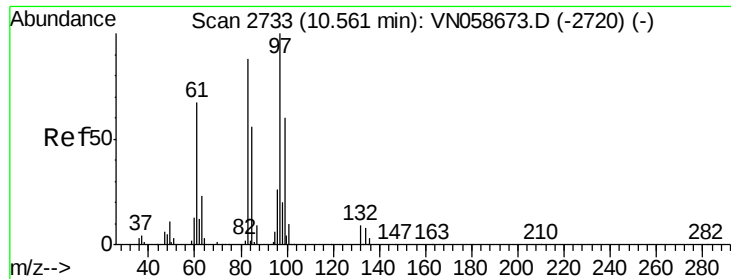
40000

20000

0

Time--> 9.75 9.80 9.85 9.90

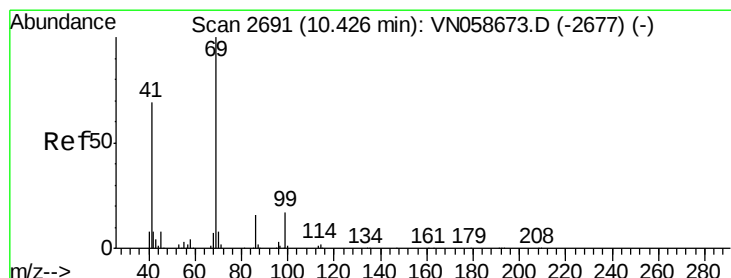
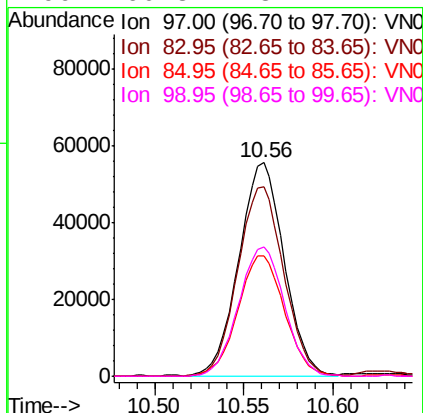
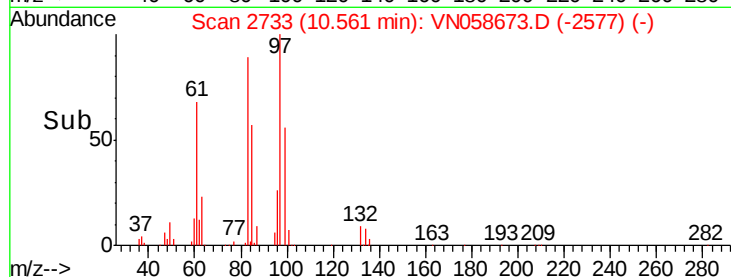
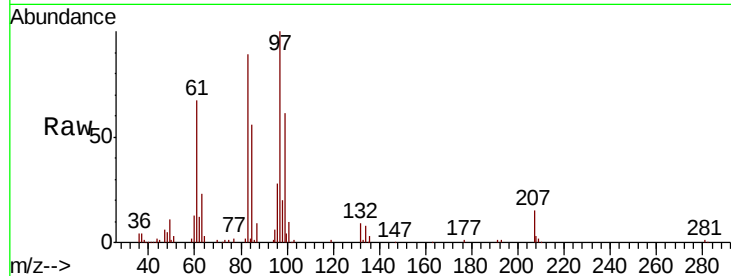




#50
 1,1,2-Trichloroethane
 Concen: 20.703 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

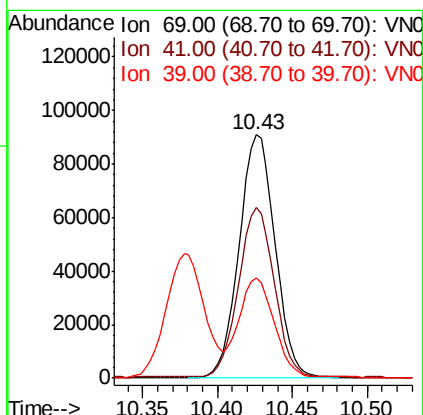
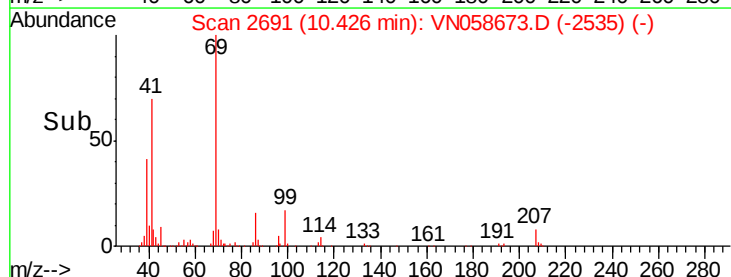
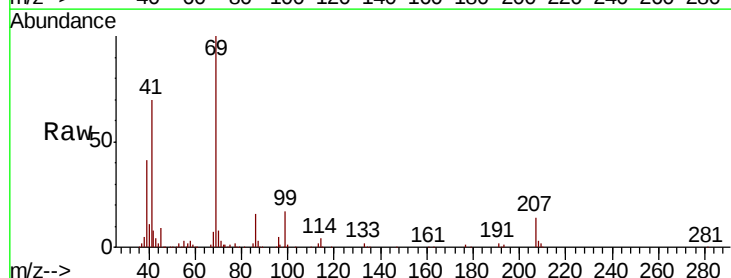
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

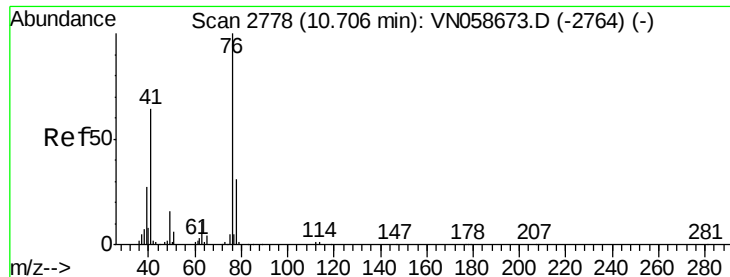
Tot Ion: 97 Resp: 98954
 Ion Ratio Lower Upper
 97 100
 83 88.4 70.7 106.1
 85 56.4 45.1 67.7
 99 60.3 48.2 72.4



#51
 Ethyl methacrylate
 Concen: 20.179 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion: 69 Resp: 153017
 Ion Ratio Lower Upper
 69 100
 41 69.4 34.7 104.1
 39 40.5 20.3 60.8





#52

1,3-Dichloropropane

Concen: 20.759 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

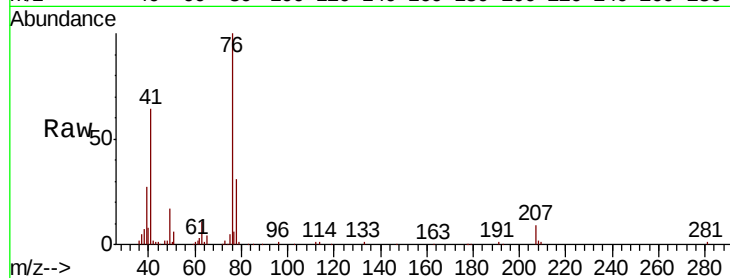
VSTDICCC020

Tot Ion: 76 Resp: 176038

Ion Ratio Lower Upper

76 100

78 31.6 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN058673.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN058673.D (-2764) (-)

10.71

100000

80000

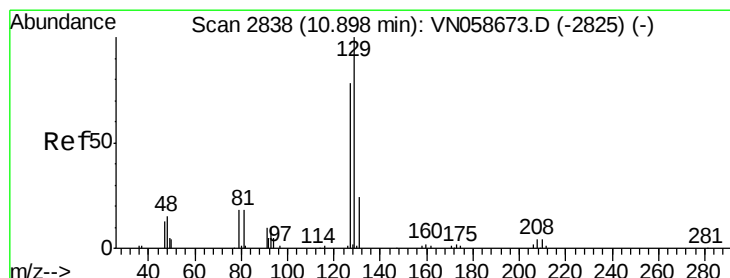
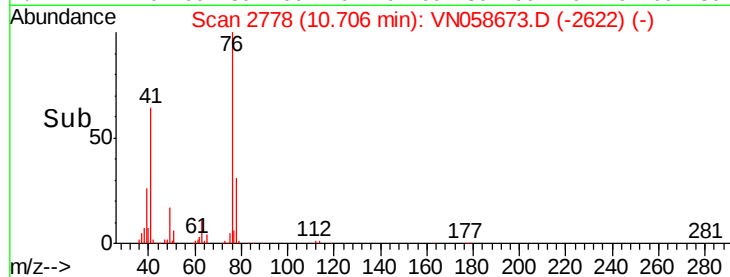
60000

40000

20000

0

Time-->



#53

Dibromochloromethane

Concen: 21.227 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058673.D

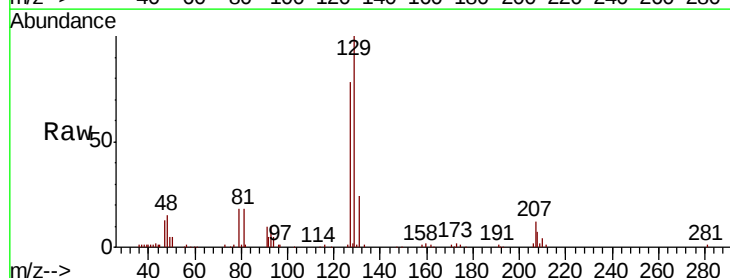
Acq: 10 Oct 2019 18:34

Tgt Ion: 129 Resp: 104015

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): VN058673.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN058673.D (-2825) (-)

10.90

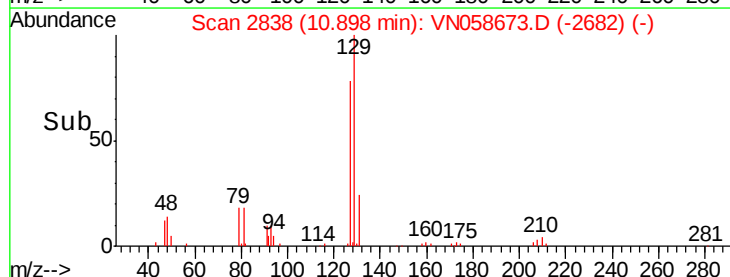
60000

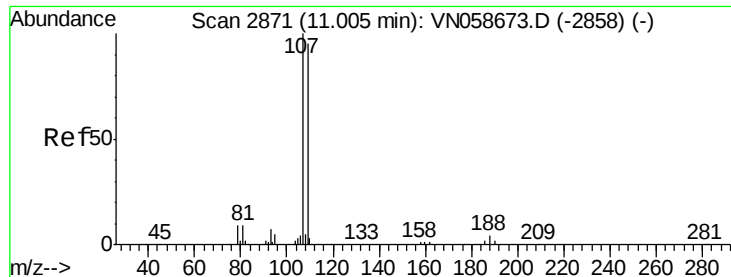
40000

20000

0

Time-->

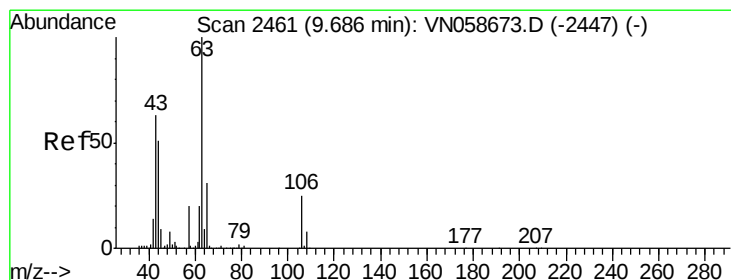
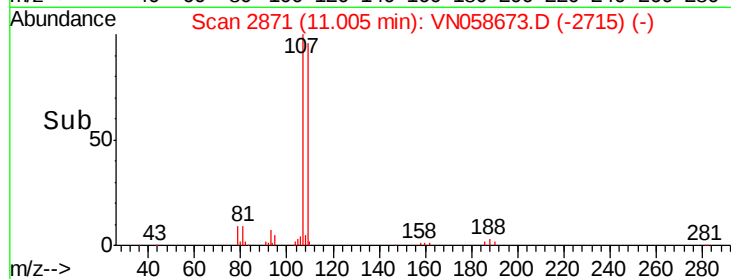
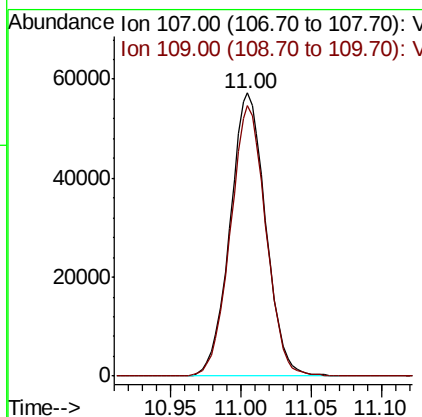
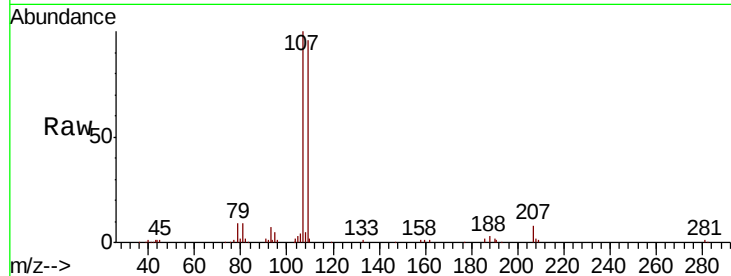




#54
 1,2-Dibromoethane
 Concen: 20.649 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

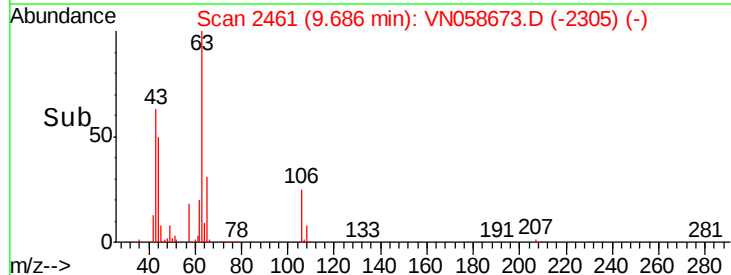
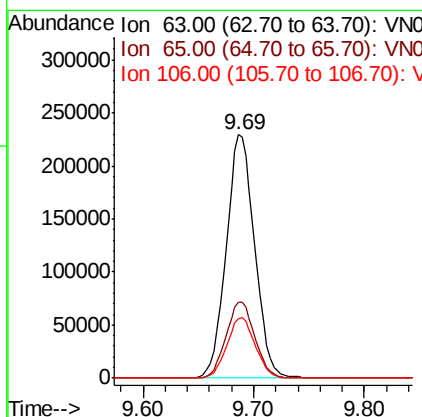
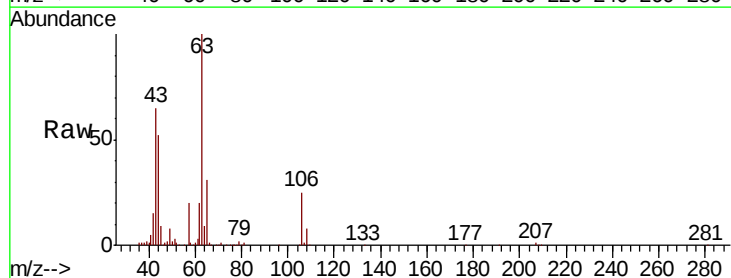
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

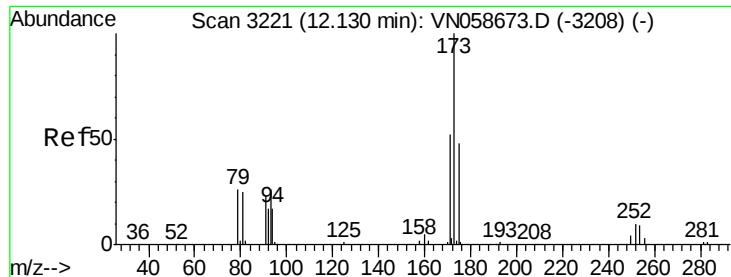
Tot Ion:107 Resp: 101094
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.2 114.4



#55
 2-Chloroethyl vinyl ether
 Concen: 121.300 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion: 63 Resp: 408557
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.3 37.9
 106 24.7 19.8 29.6

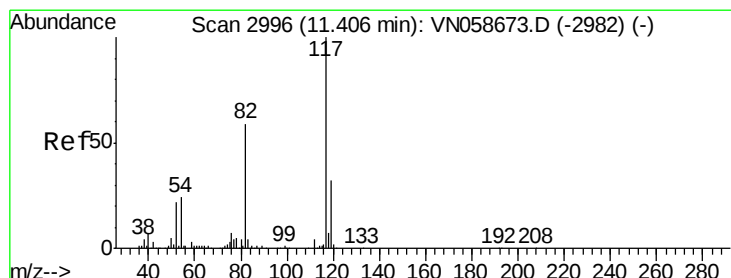
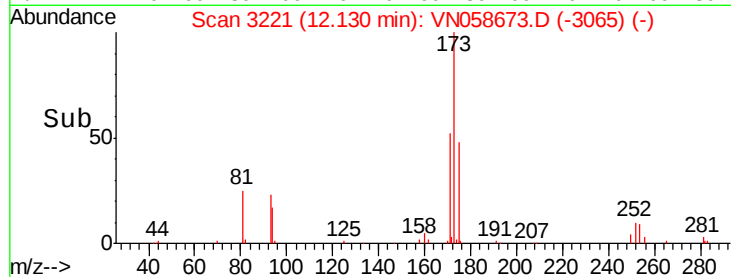
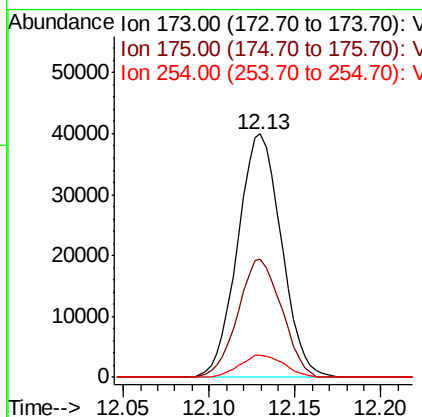
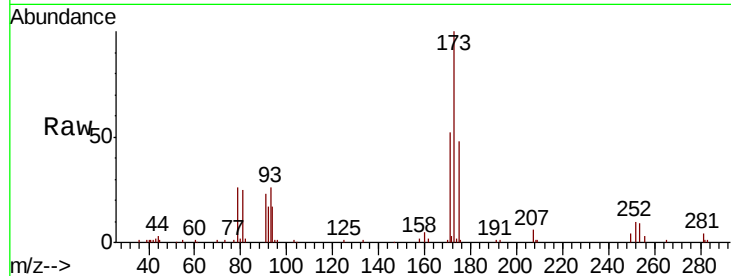




#56
Bromoform
Concen: 22.239 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

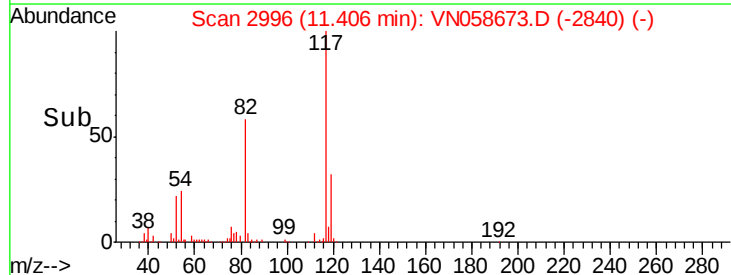
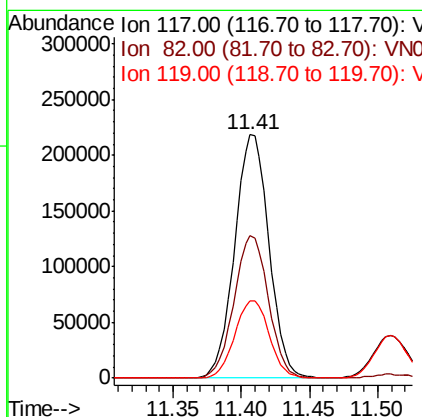
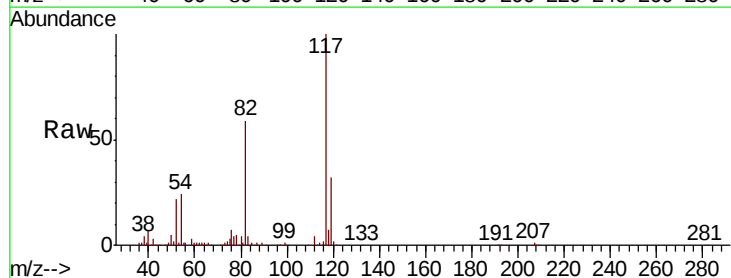
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

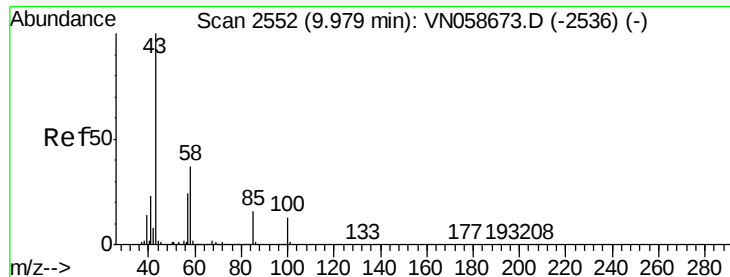
Tot Ion:173 Resp: 70523
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 9.3 7.4 11.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion:117 Resp: 381535
Ion Ratio Lower Upper
117 100
82 58.6 46.9 70.3
119 32.2 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 120.189 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

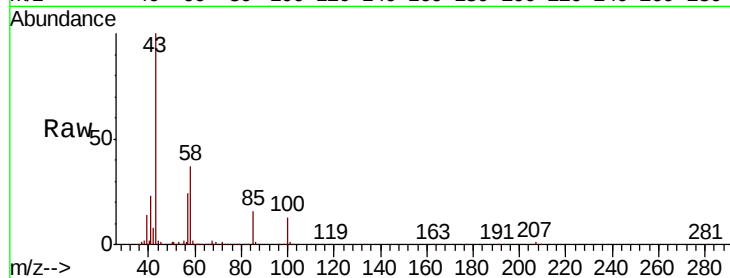
Tot Ion: 43 Resp: 745076

Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1

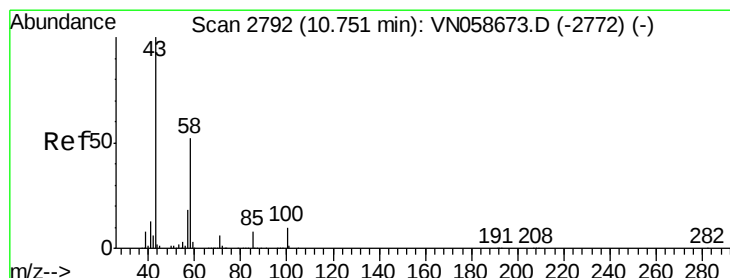
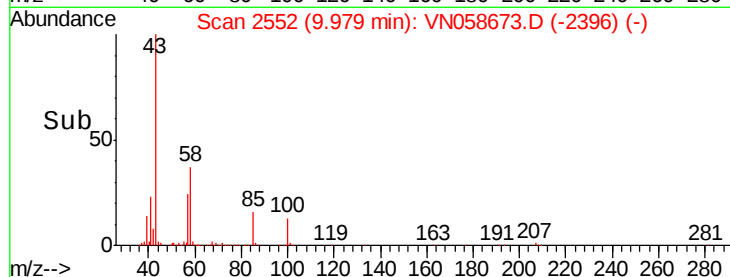
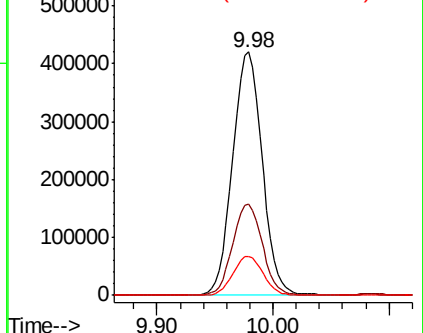
85 16.5 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#59

2-Hexanone

Concen: 119.104 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

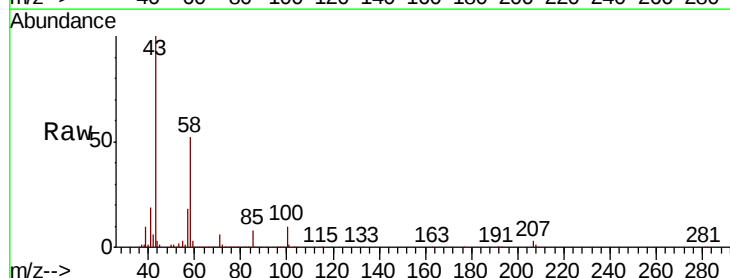
Tgt Ion: 43 Resp: 561987

Ion Ratio Lower Upper

43 100

58 51.7 41.4 62.0

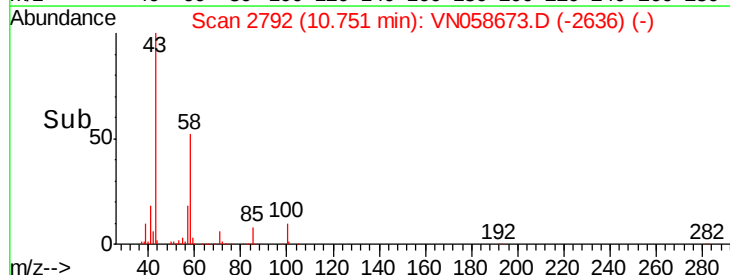
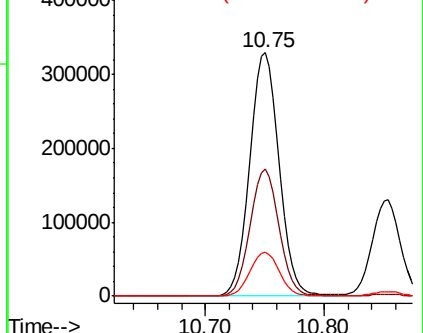
57 18.4 14.7 22.1

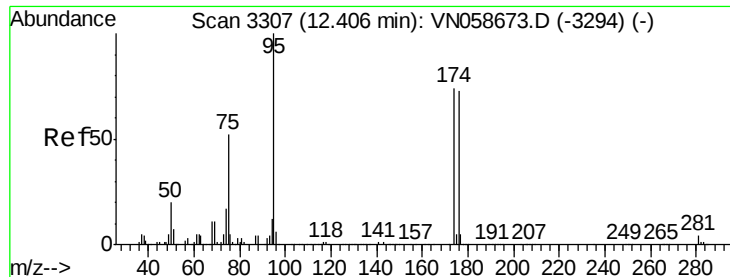


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

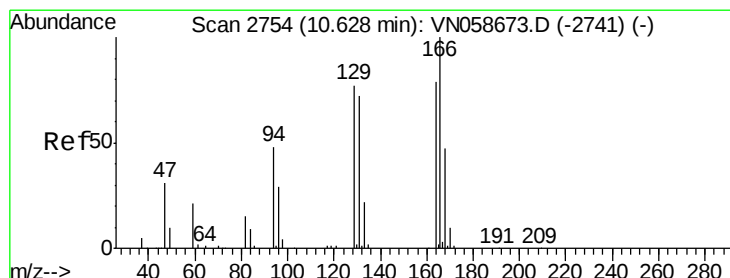
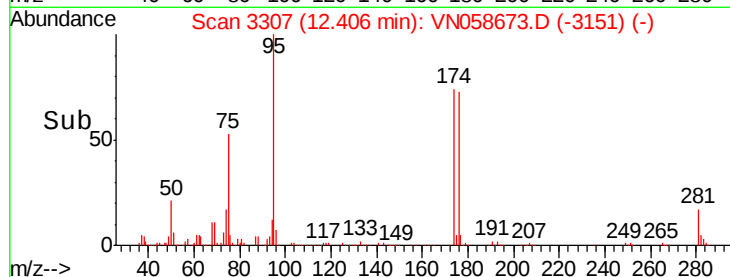
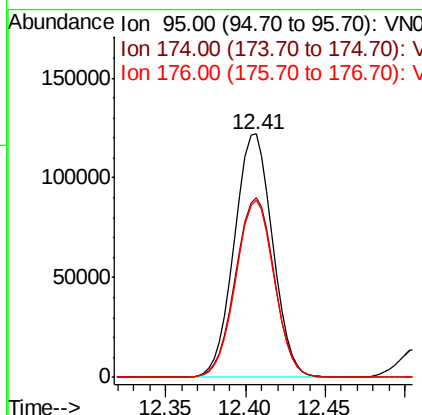
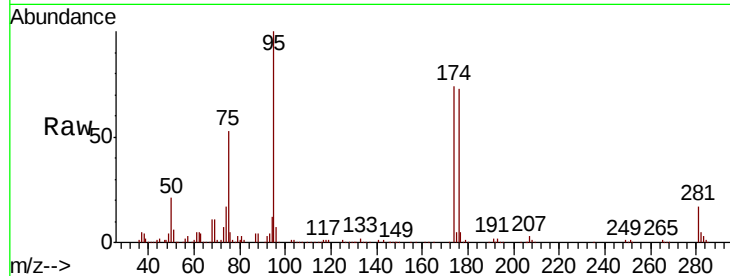




#60
4-Bromofluorobenzene
Concen: 30.111 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

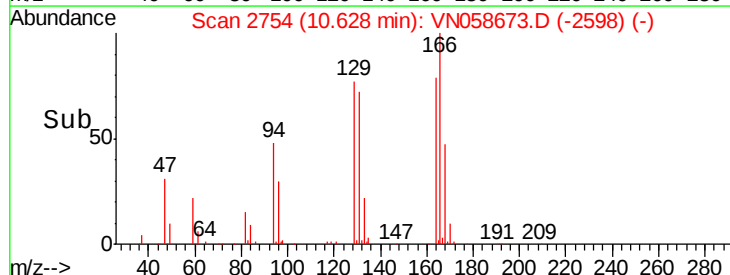
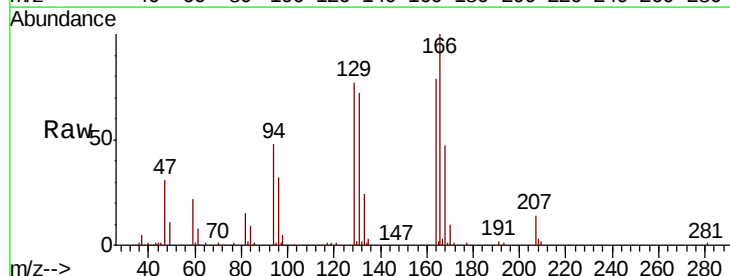
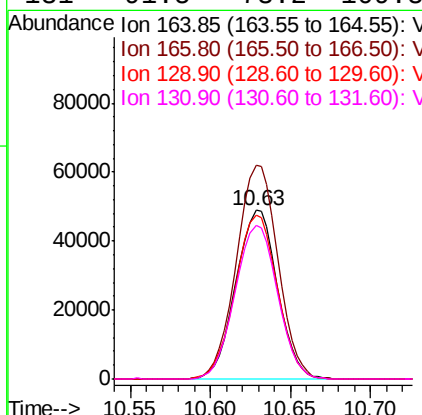
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

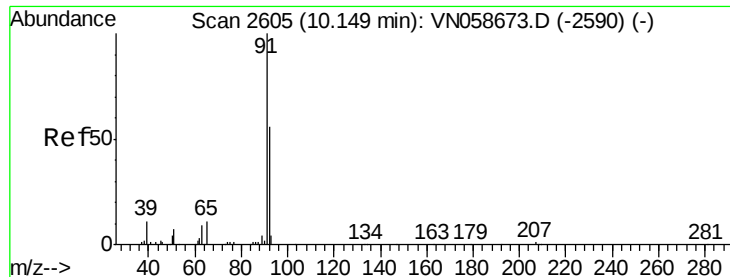
Tot Ion: 95 Resp: 199825
Ion Ratio Lower Upper
95 100
174 74.9 59.9 89.9
176 72.9 58.3 87.5



#61
Tetrachloroethene
Concen: 21.270 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion: 164 Resp: 86900
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.2
129 97.6 78.1 117.1
131 91.5 73.2 109.8





#62

Toluene

Concen: 20.415 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

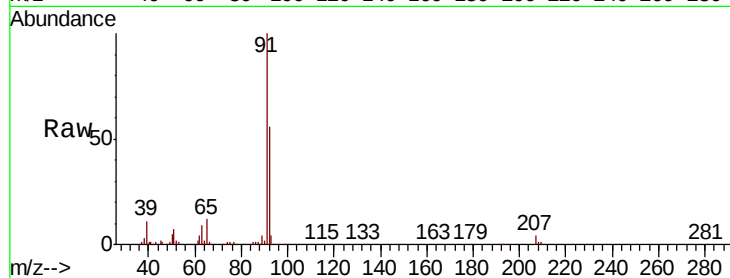
VSTDICCC020

Tot Ion: 91 Resp: 428160

Ion Ratio Lower Upper

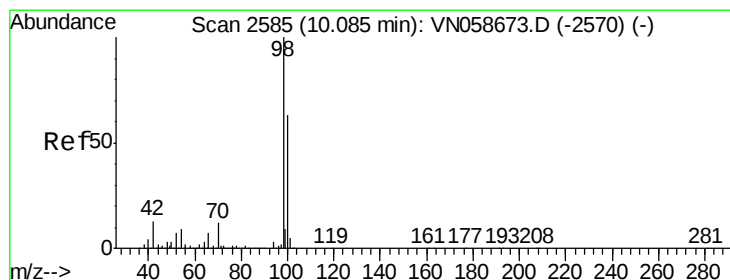
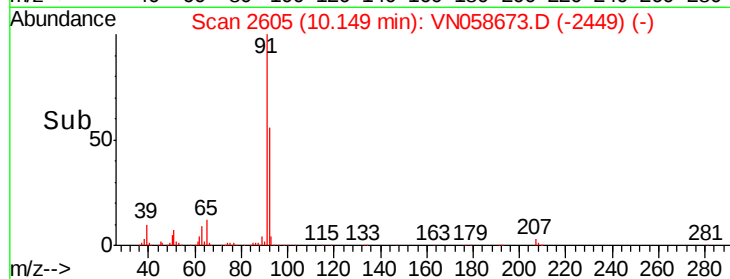
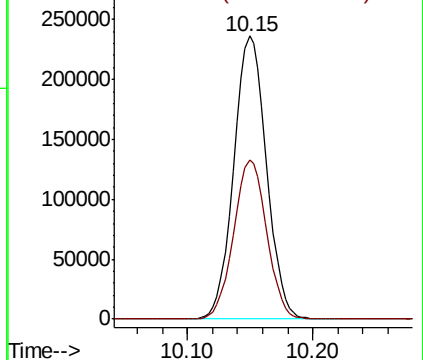
91 100

92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



#63

Toluene-d8

Concen: 30.118 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058673.D

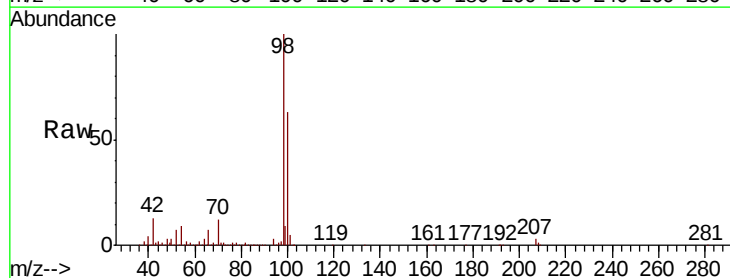
Acq: 10 Oct 2019 18:34

Tgt Ion: 98 Resp: 549090

Ion Ratio Lower Upper

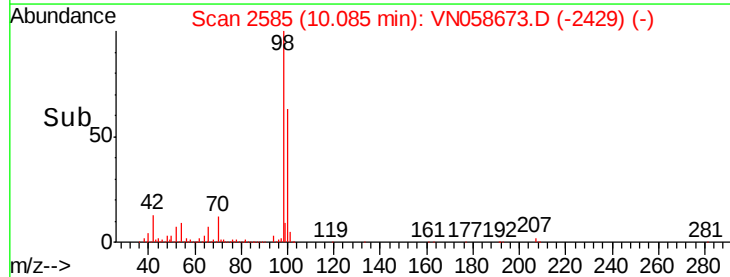
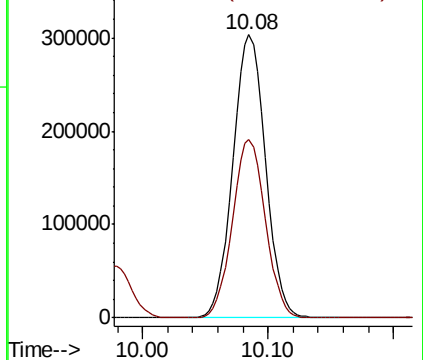
98 100

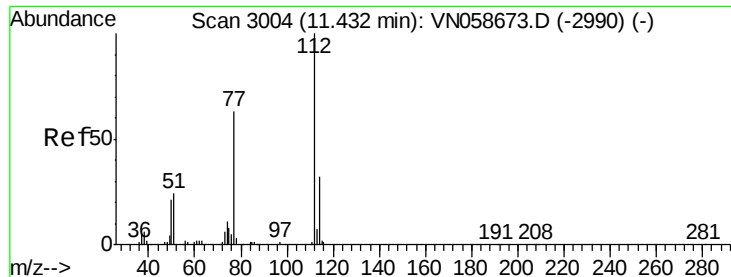
100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#64

Chlorobenzene

Concen: 20.177 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

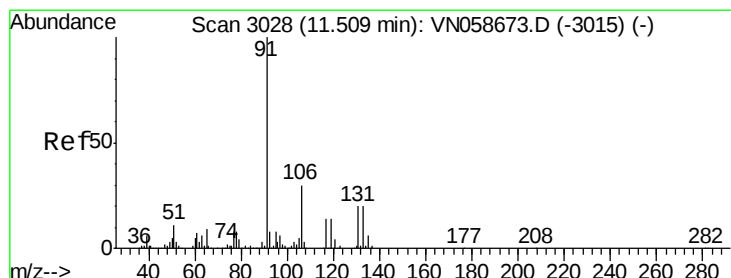
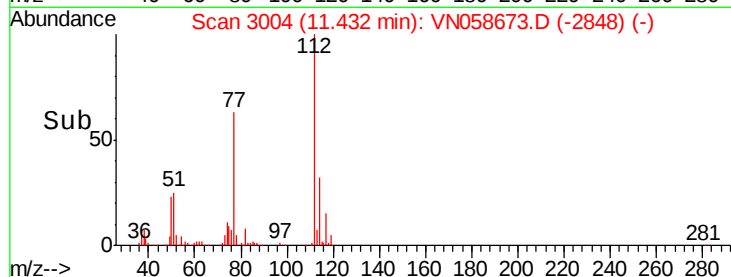
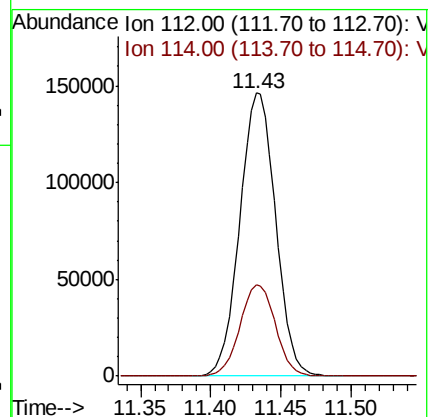
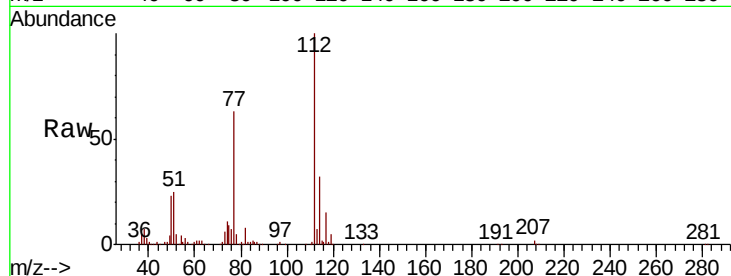
VSTDICCC020

Tot Ion:112 Resp: 260168

Ion Ratio Lower Upper

112 100

114 32.1 25.7 38.5



#65

1,1,1,2-Tetrachloroethane

Concen: 20.979 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

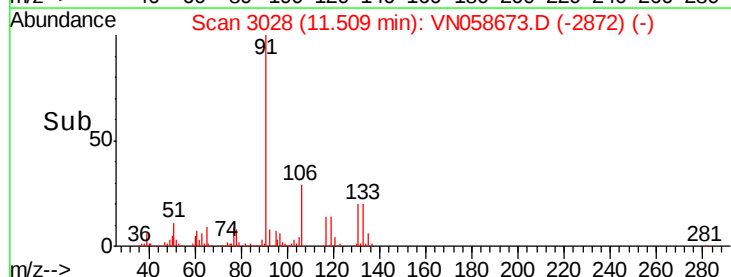
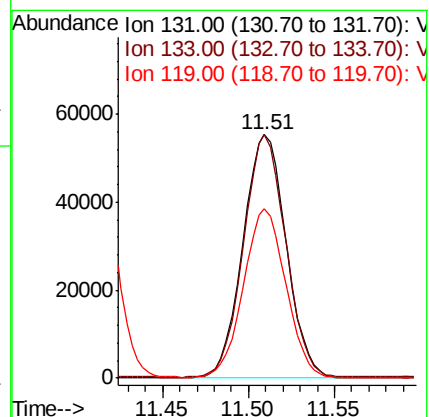
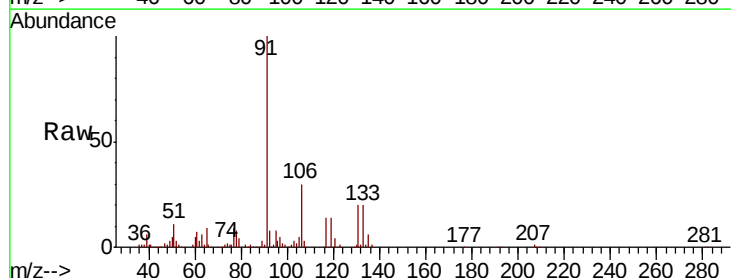
Tgt Ion:131 Resp: 96773

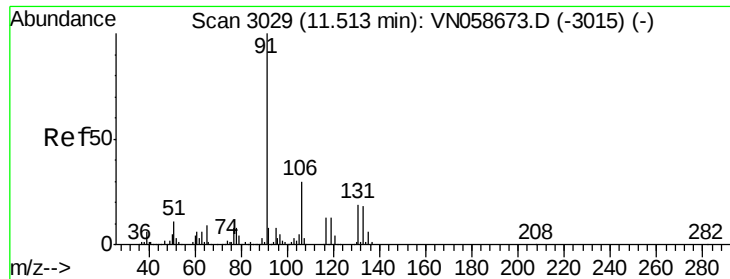
Ion Ratio Lower Upper

131 100

133 97.0 0.0 194.0

119 68.4 0.0 136.8





#66

Ethyl Benzene

Concen: 20.735 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

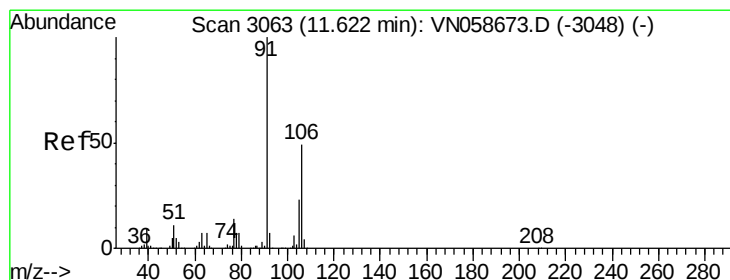
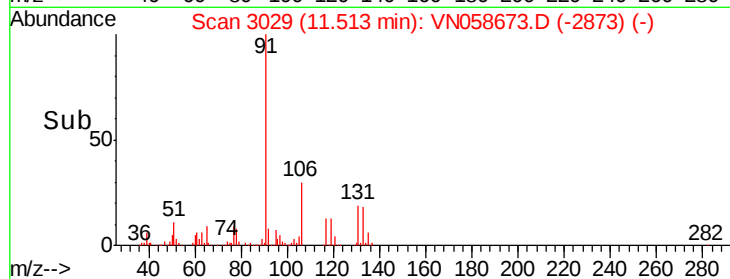
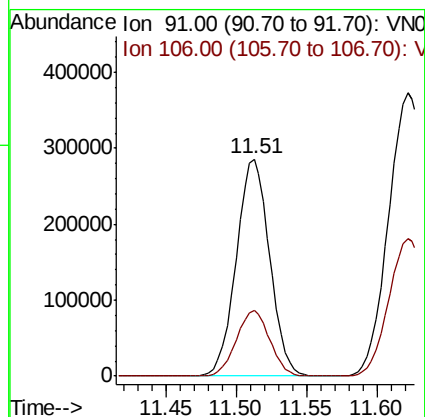
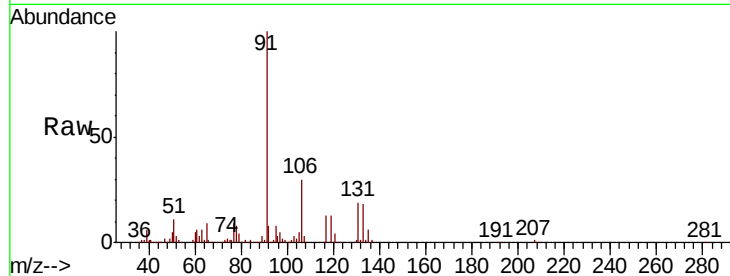
VSTDICCC020

Tot Ion: 91 Resp: 473103

Ion Ratio Lower Upper

91 100

106 30.3 24.2 36.4



#67

m/p-Xylenes

Concen: 39.964 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058673.D

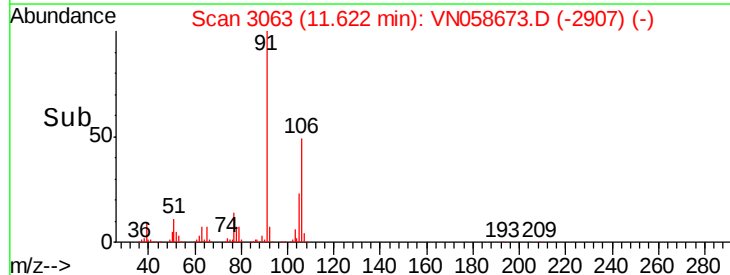
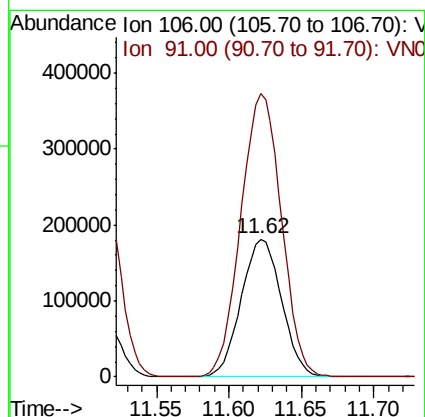
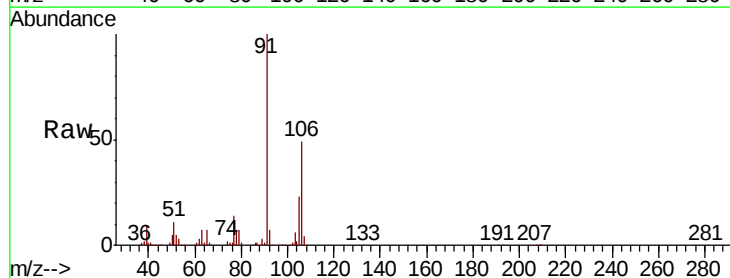
Acq: 10 Oct 2019 18:34

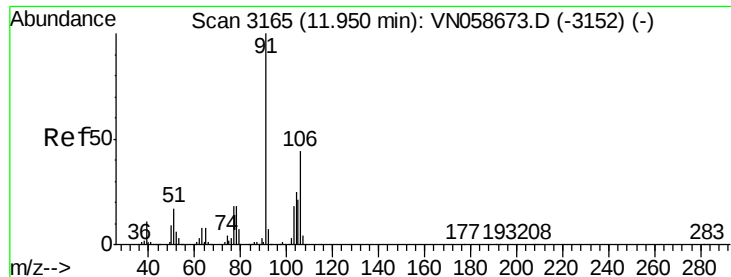
Tgt Ion: 106 Resp: 350600

Ion Ratio Lower Upper

106 100

91 207.0 165.6 248.4

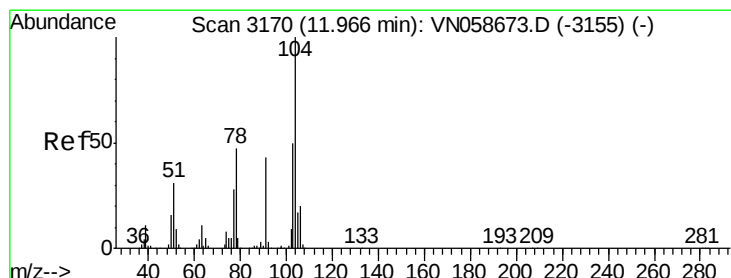
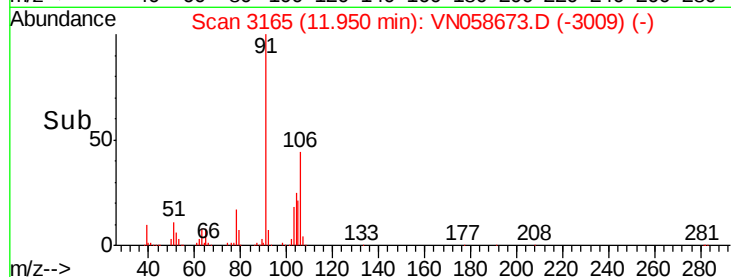
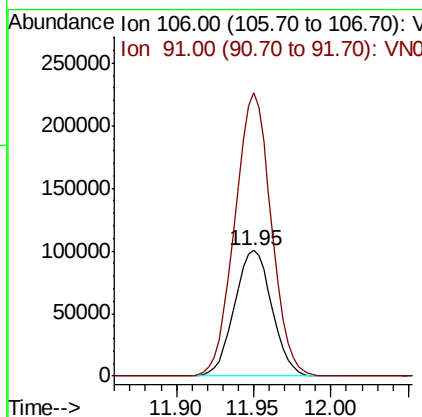
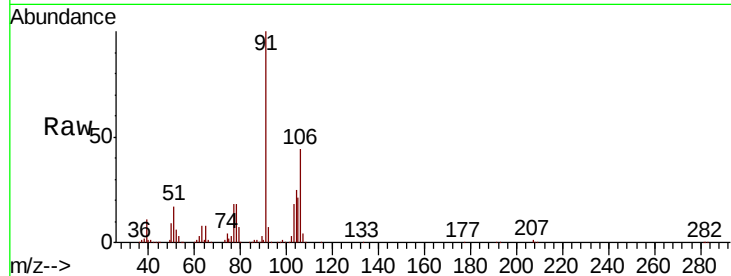




#68
o-Xylene
Concen: 19.809 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

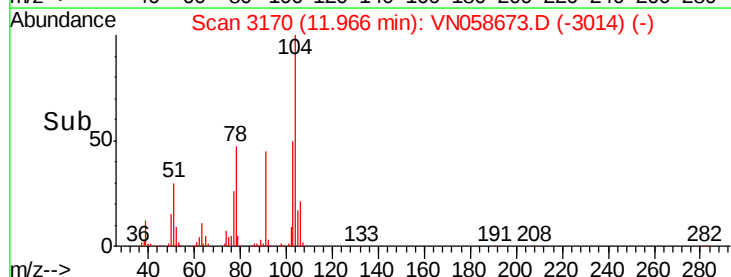
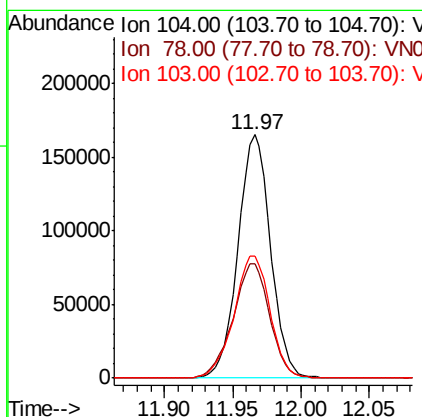
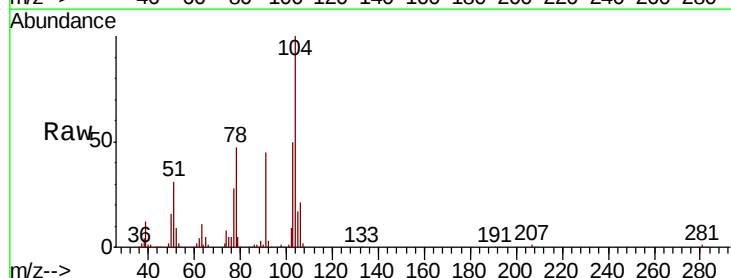
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

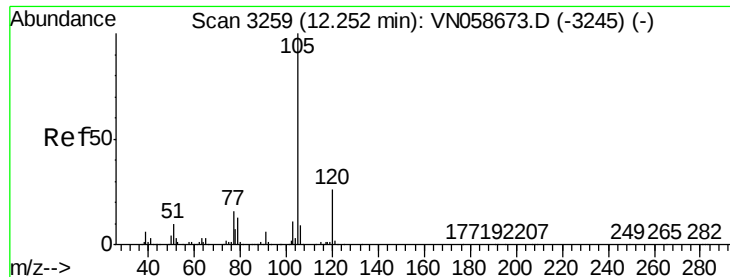
Tot Ion:106 Resp: 168783
Ion Ratio Lower Upper
106 100
91 219.6 109.8 329.4



#69
Styrene
Concen: 19.308 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058673.D
Acq: 10 Oct 2019 18:34

Tgt Ion:104 Resp: 274084
Ion Ratio Lower Upper
104 100
78 53.0 42.4 63.6
103 55.7 44.6 66.8





#70

Isopropylbenzene

Concen: 20.857 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

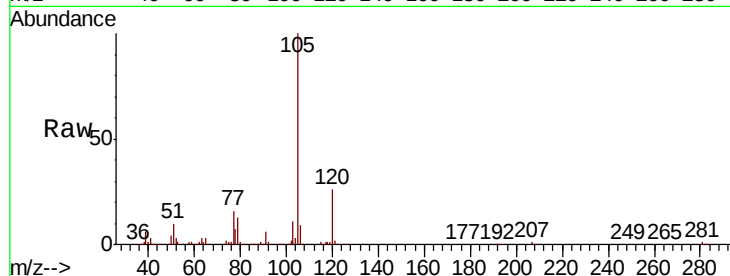
VSTDICCC020

Tot Ion:105 Resp: 461146

Ion Ratio Lower Upper

105 100

120 26.3 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

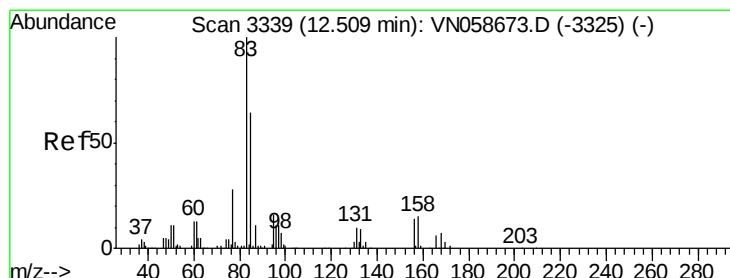
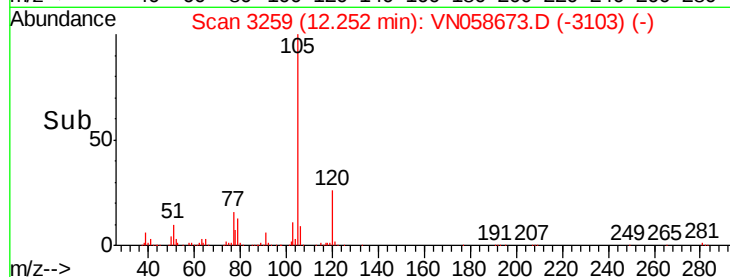
300000

200000

100000

0

Time-->



#71

1,1,2,2-Tetrachloroethane

Concen: 21.403 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

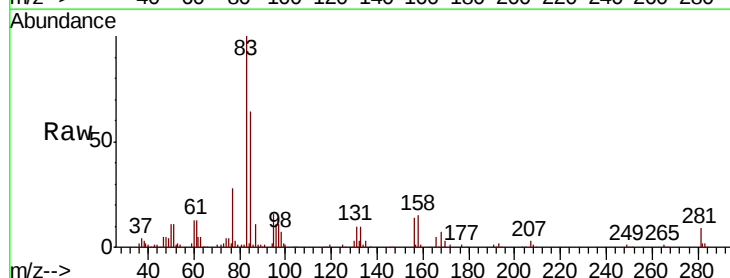
Tgt Ion: 83 Resp: 153841

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 63.1 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VNO

12.51

120000

100000

80000

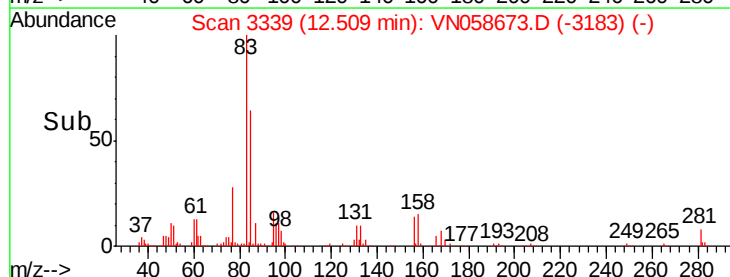
60000

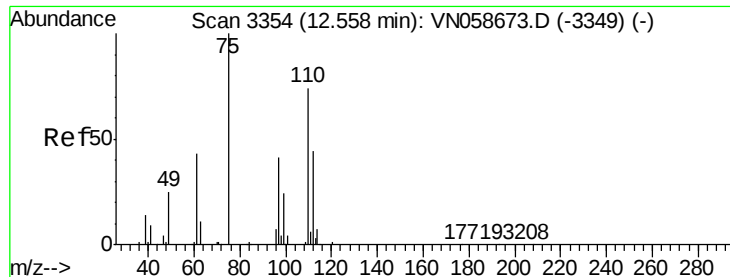
40000

20000

0

Time-->





#72

1,2,3-Trichloropropane

Concen: 32.749 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

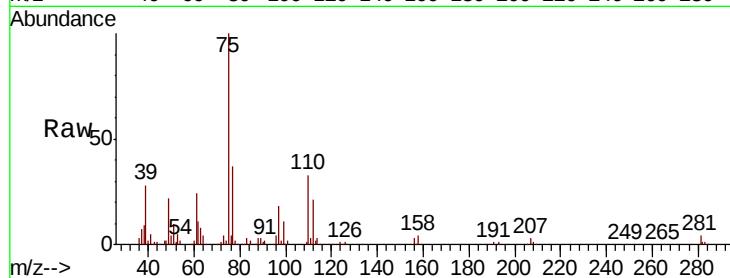
VSTDICCC020

Tot Ion: 75 Resp: 203890

Ion Ratio Lower Upper

75 100

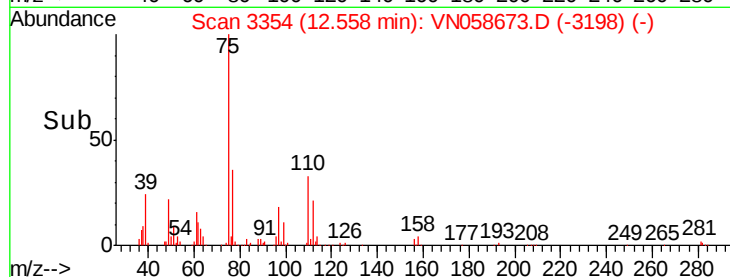
77 122.9 0.0 359.4



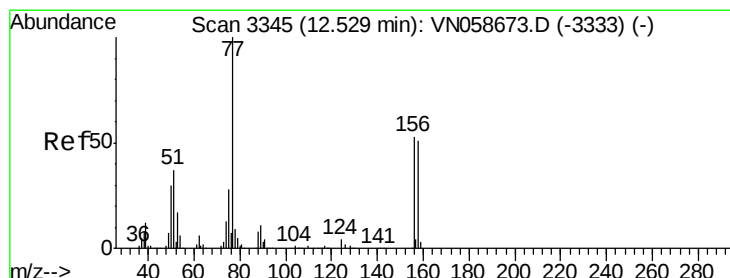
Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.56



Time-->



#73

Bromobenzene

Concen: 20.357 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

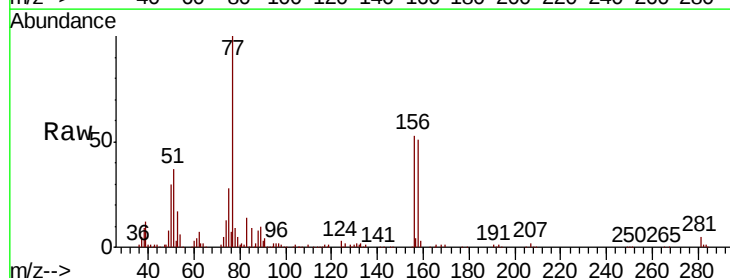
Tgt Ion: 156 Resp: 109878

Ion Ratio Lower Upper

156 100

77 228.0 0.0 456.0

158 97.7 0.0 195.4

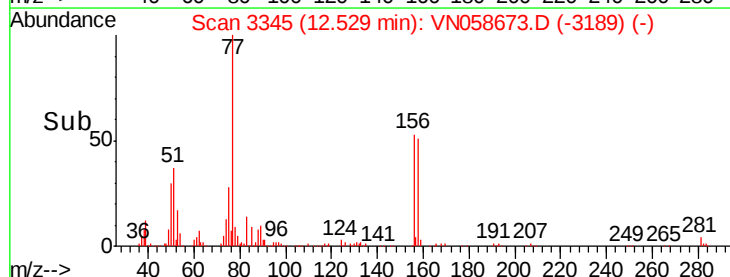


Abundance Ion 156.00 (155.70 to 156.70): V

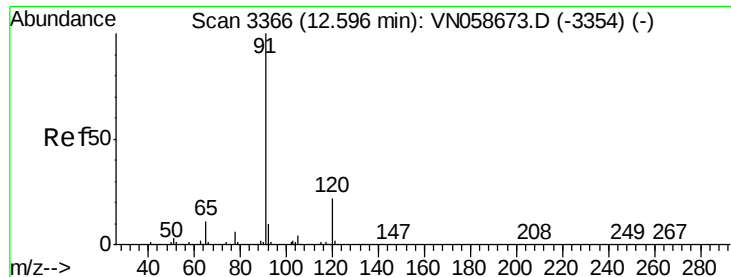
Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V

12.53



Time-->



#74

n-propylbenzene

Concen: 21.403 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

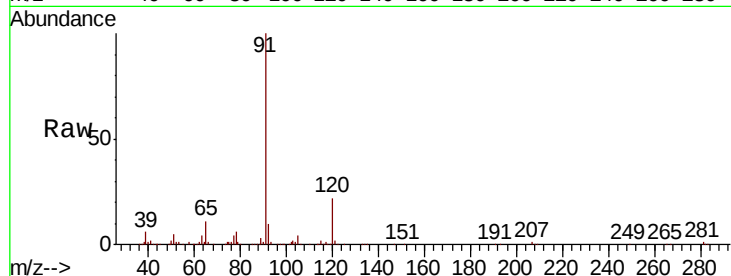
VSTDICCC020

Tot Ion: 91 Resp: 547195

Ion Ratio Lower Upper

91 100

120 21.8 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

300000

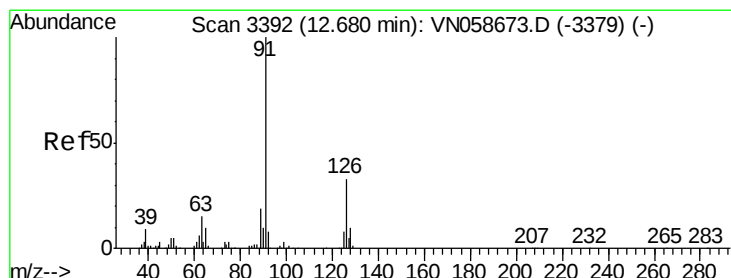
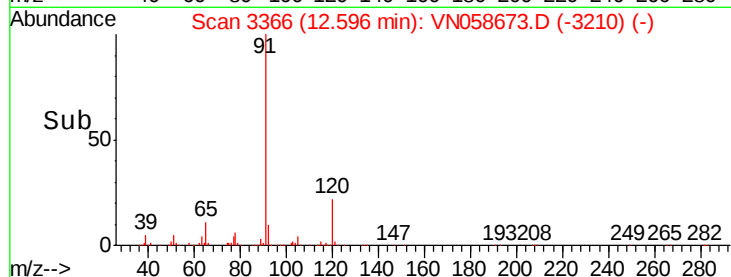
200000

100000

0

12.55 12.60 12.65

Time-->



#75

2-Chlorotoluene

Concen: 20.107 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058673.D

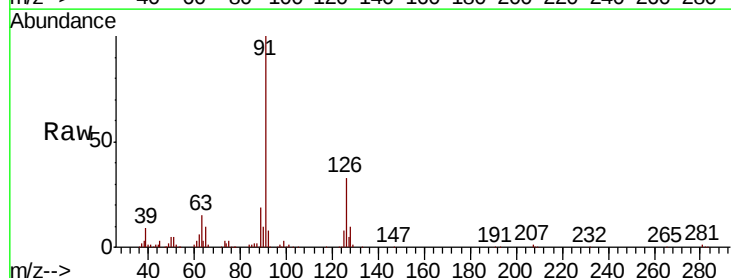
Acq: 10 Oct 2019 18:34

Tgt Ion: 91 Resp: 321167

Ion Ratio Lower Upper

91 100

126 32.7 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

300000

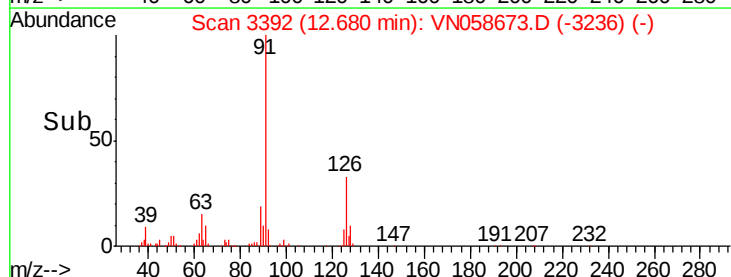
200000

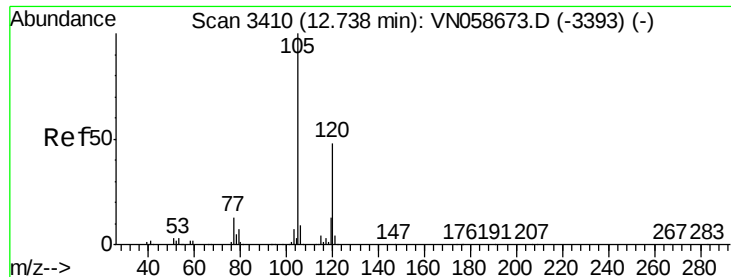
100000

0

12.65 12.70

Time-->

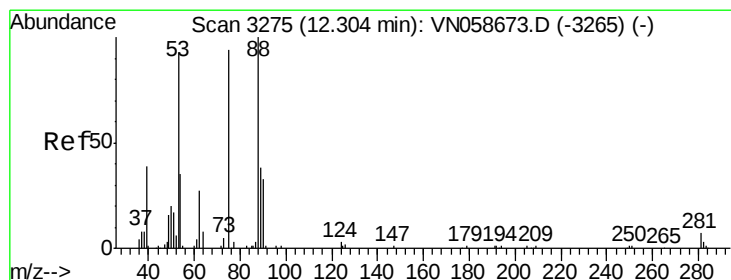
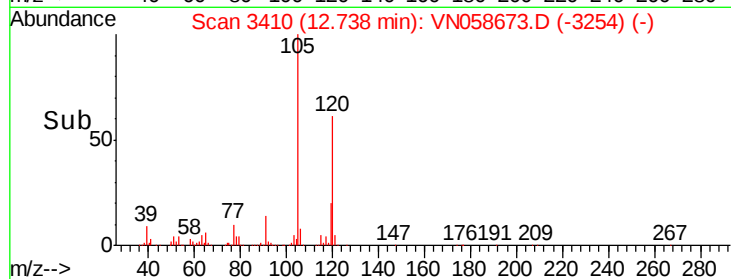
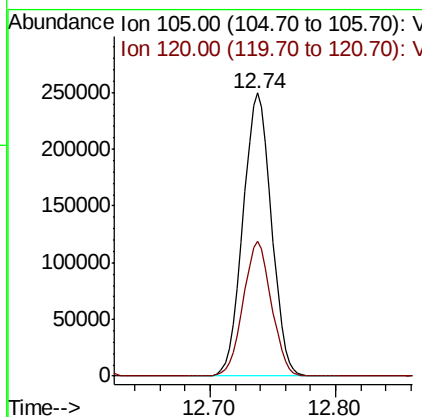
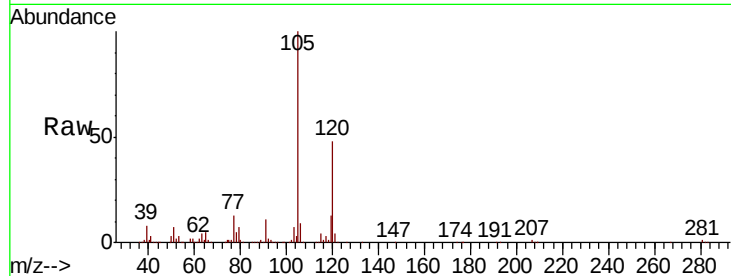




#76
 1,3,5-Trimethylbenzene
 Concen: 20.586 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

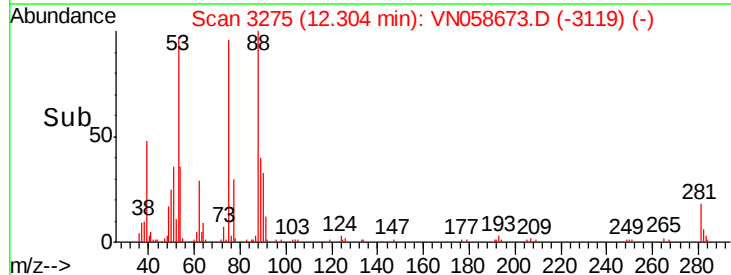
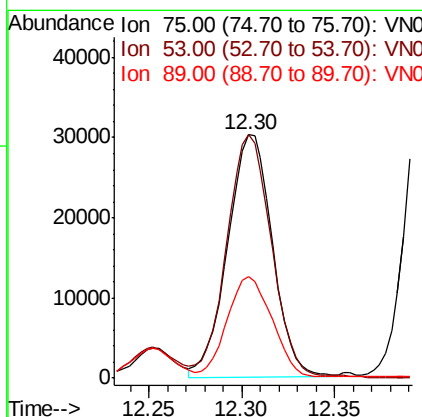
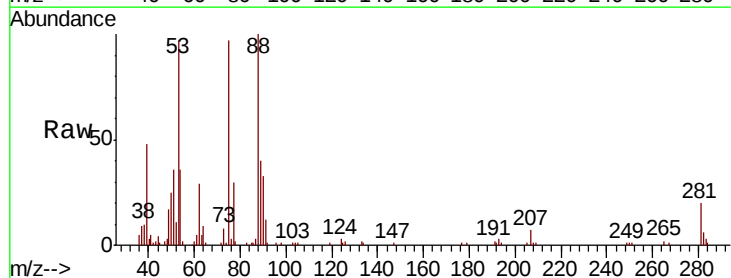
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

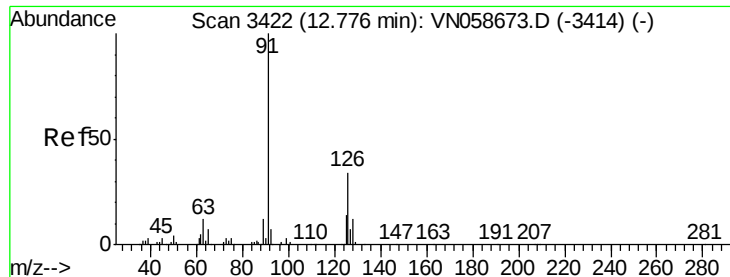
Tot Ion:105 Resp: 392229
 Ion Ratio Lower Upper
 105 100
 120 47.0 0.0 94.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 23.732 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion: 75 Resp: 50758
 Ion Ratio Lower Upper
 75 100
 53 100.0 50.0 150.0
 89 41.4 20.7 62.1





#78

4-Chlorotoluene

Concen: 20.047 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

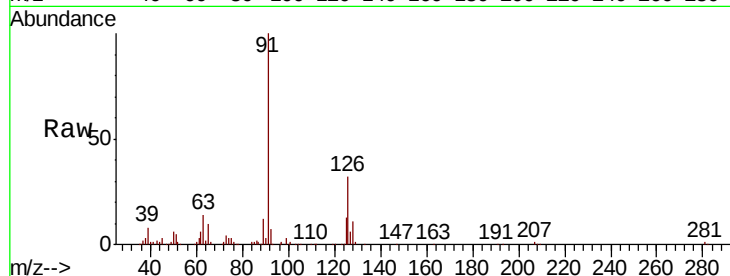
VSTDICCC020

Tot Ion: 91 Resp: 328003

Ion Ratio Lower Upper

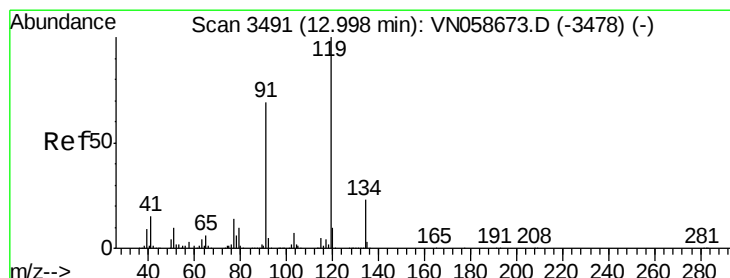
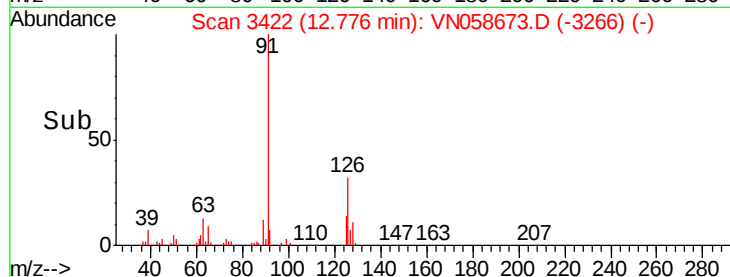
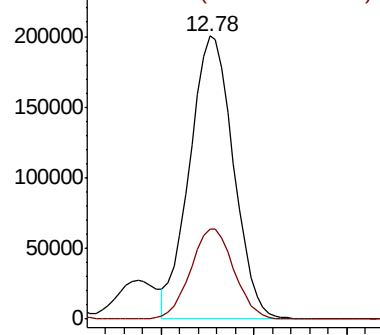
91 100

126 31.7 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#79

tert-butylbenzene

Concen: 20.189 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

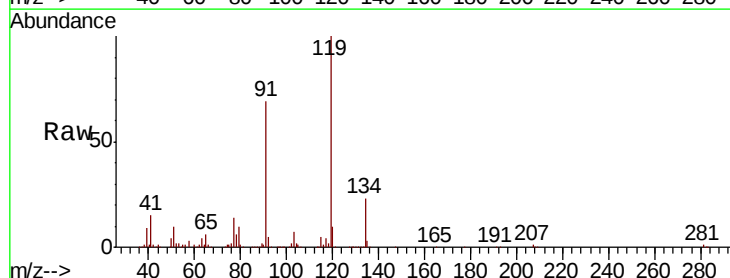
Tgt Ion: 119 Resp: 334450

Ion Ratio Lower Upper

119 100

91 68.2 0.0 136.4

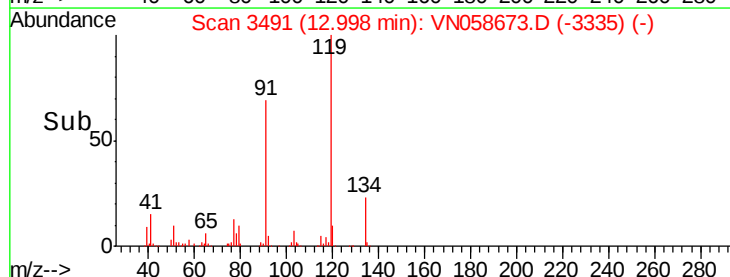
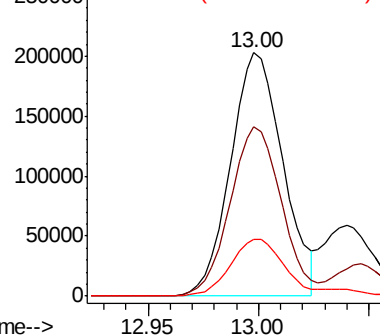
134 23.6 0.0 47.2

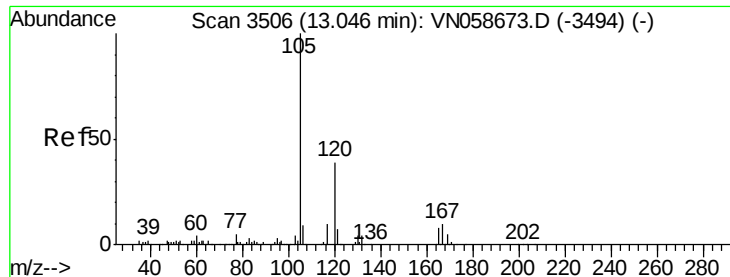


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

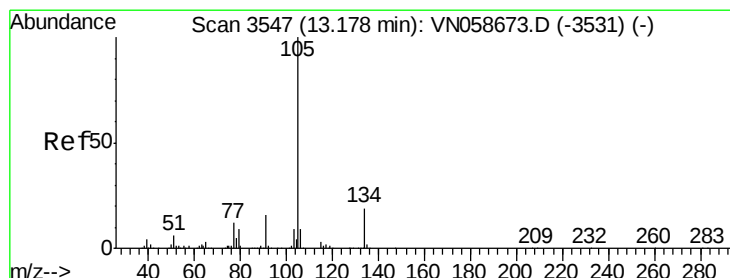
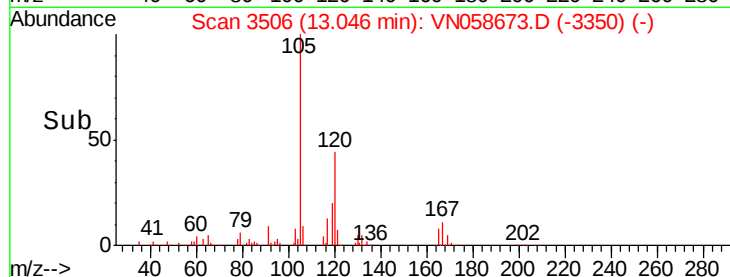
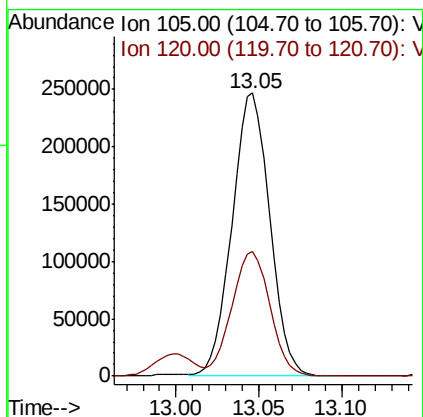
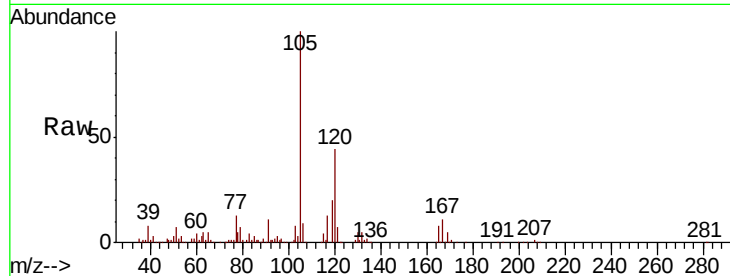




#80
 1,2,4-Trimethylbenzene
 Concen: 20.575 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

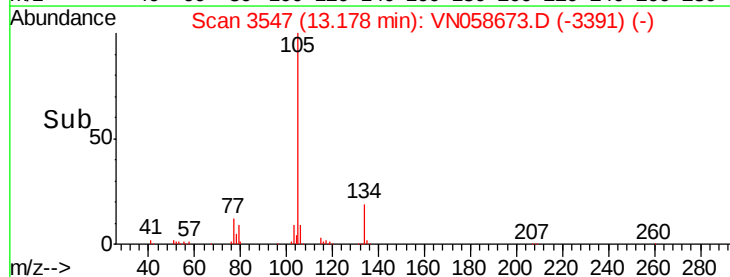
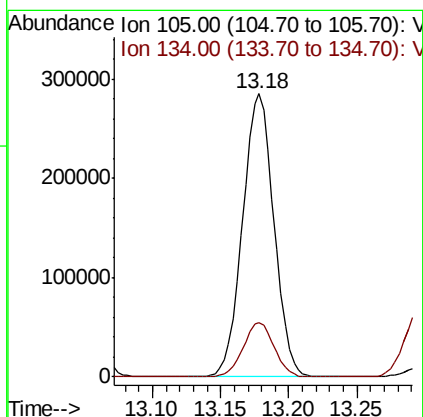
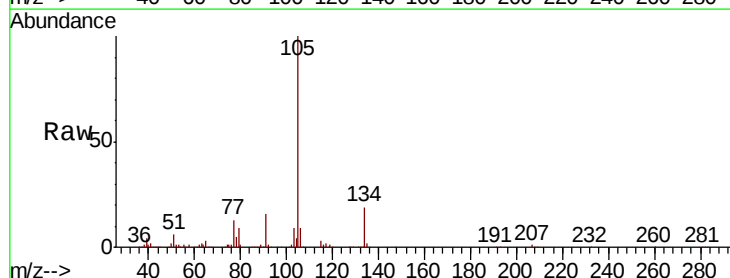
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

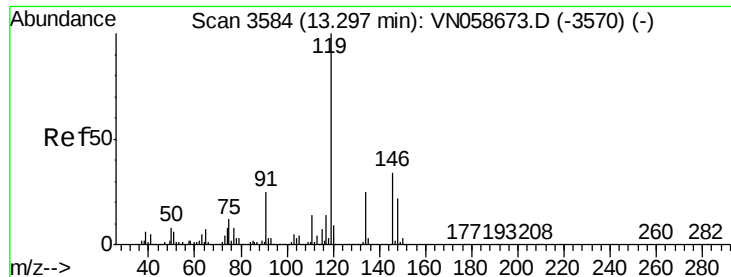
Tot Ion:105 Resp: 390198
 Ion Ratio Lower Upper
 105 100
 120 44.6 0.0 89.2



#81
 sec-Butylbenzene
 Concen: 20.970 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion:105 Resp: 453474
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 38.0

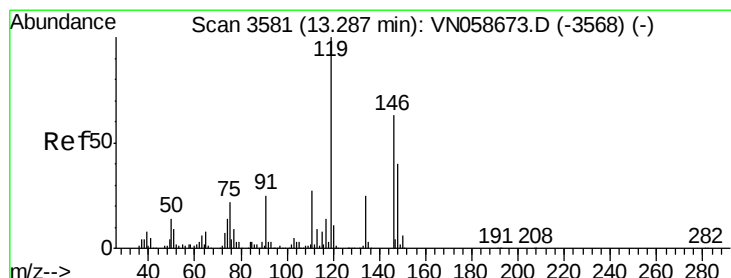
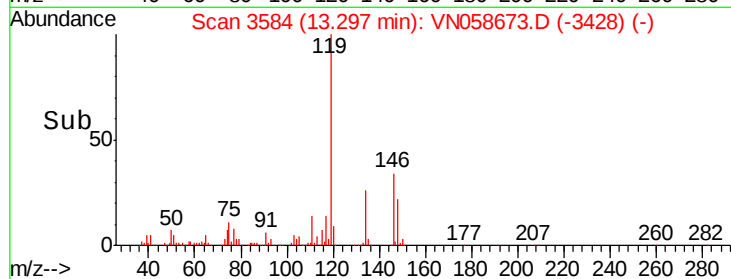
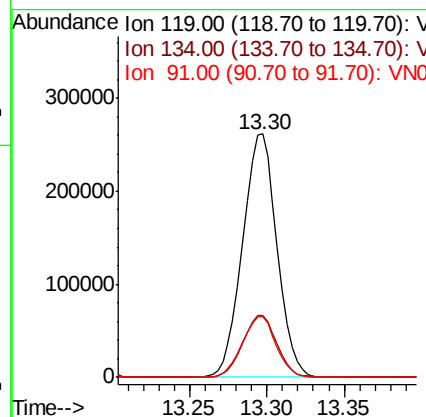
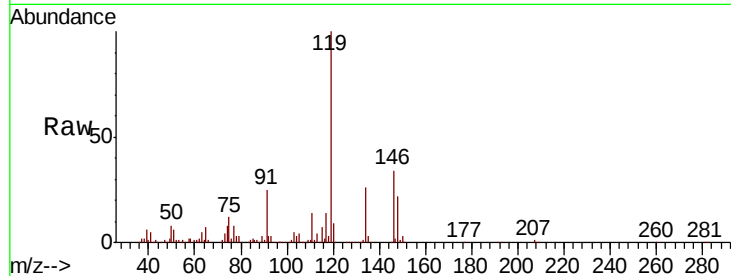




#82
 p-Isopropyltoluene
 Concen: 20.654 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

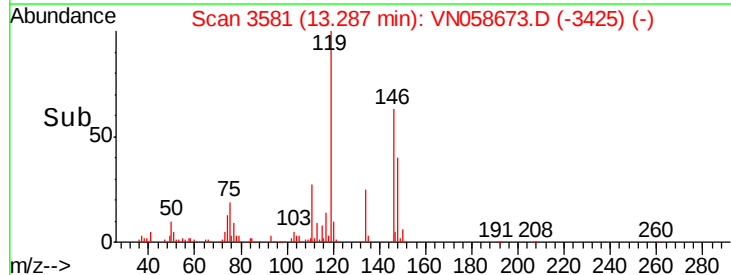
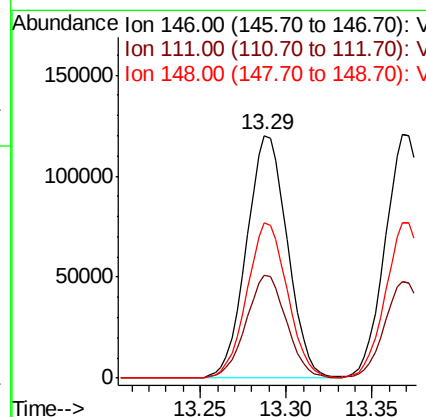
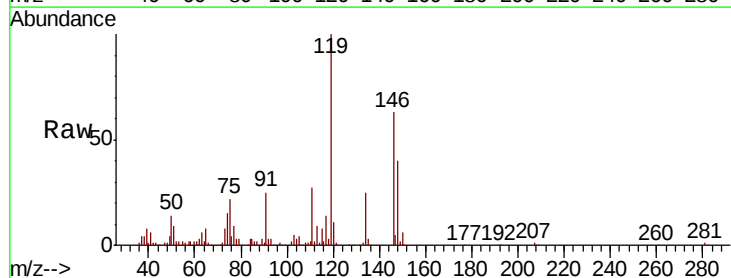
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

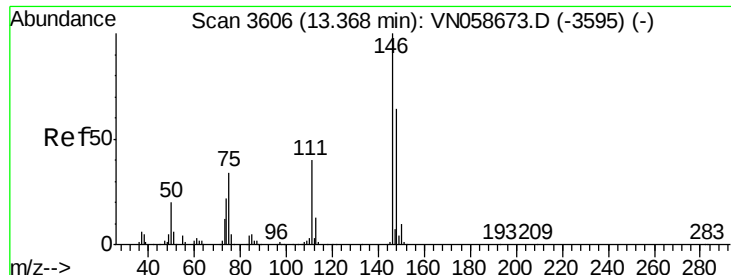
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.8
91	24.7	0.0	49.4



#83
 1,3-Dichlorobenzene
 Concen: 19.934 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.4	31.7	95.1





#84

1,4-Dichlorobenzene

Concen: 19.972 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

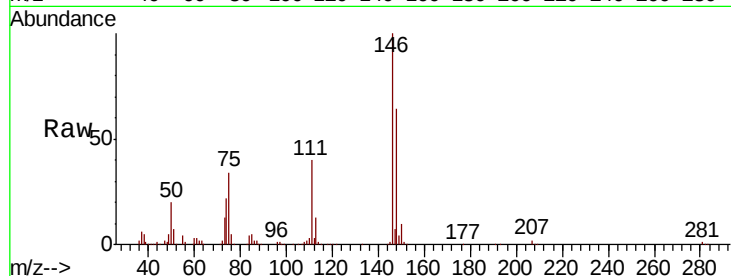
Tot Ion:146 Resp: 198233

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.4

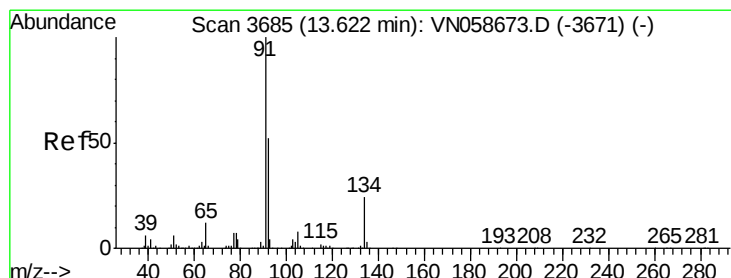
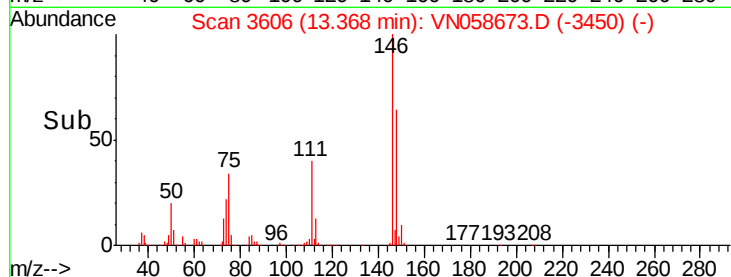
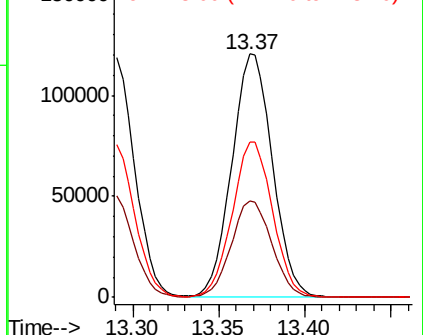
148 63.2 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 19.833 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

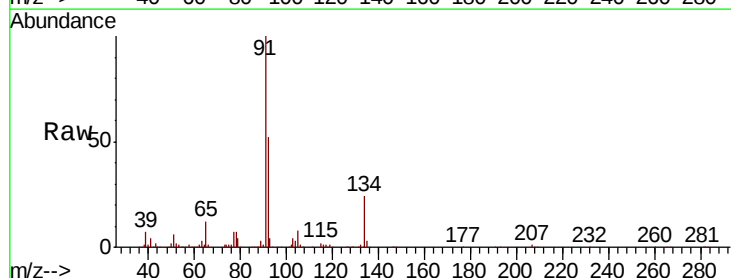
Tgt Ion: 91 Resp: 358198

Ion Ratio Lower Upper

91 100

92 51.4 0.0 102.8

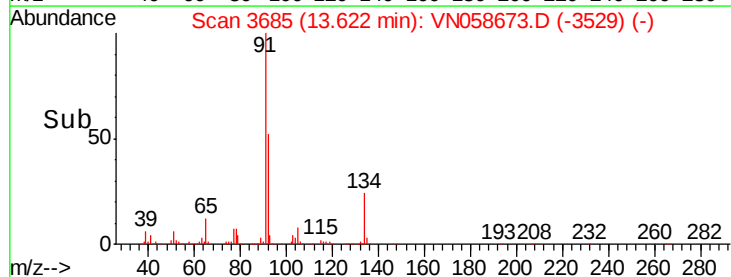
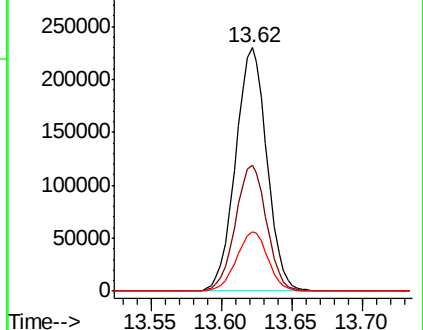
134 24.3 0.0 48.6

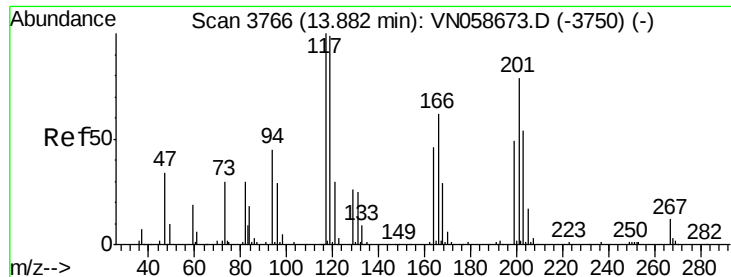


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 21.902 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

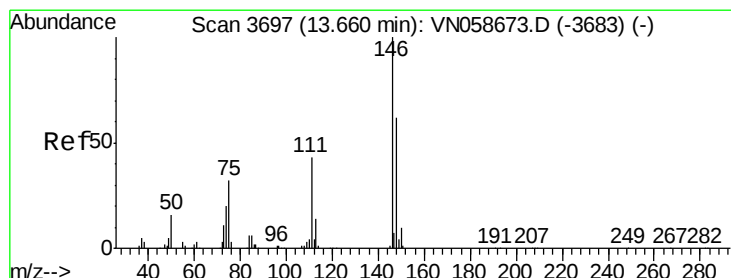
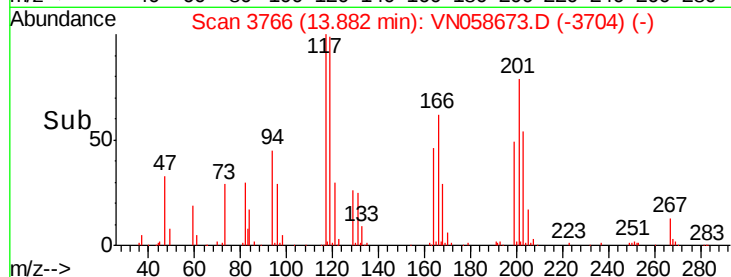
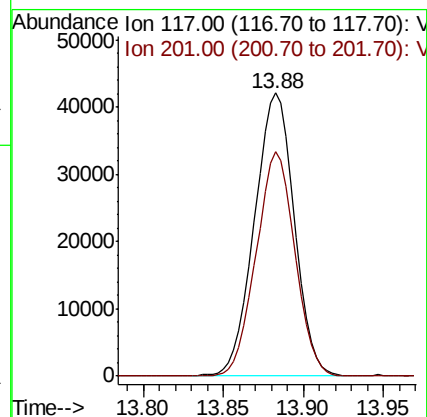
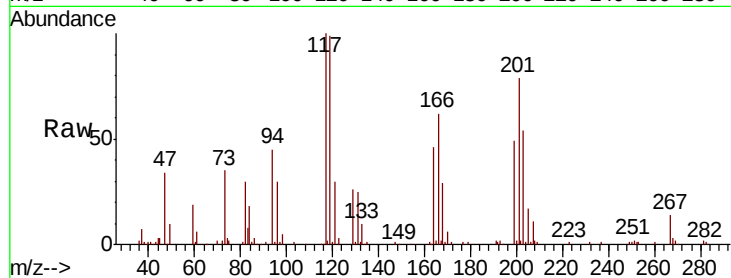
VSTDICCC020

Tot Ion:117 Resp: 71972

Ion Ratio Lower Upper

117 100

201 77.4 38.7 116.1



#87

1,2-Dichlorobenzene

Concen: 20.079 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

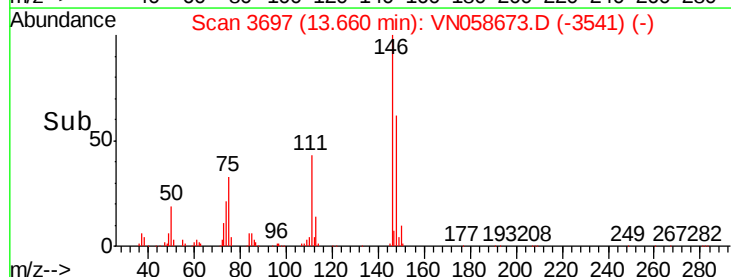
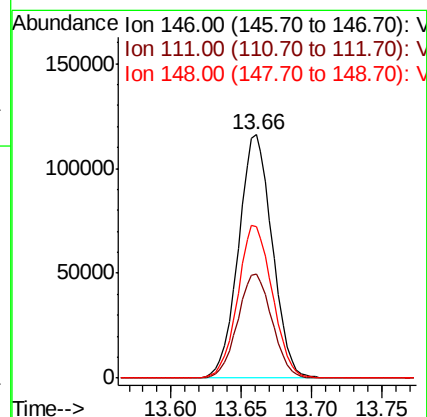
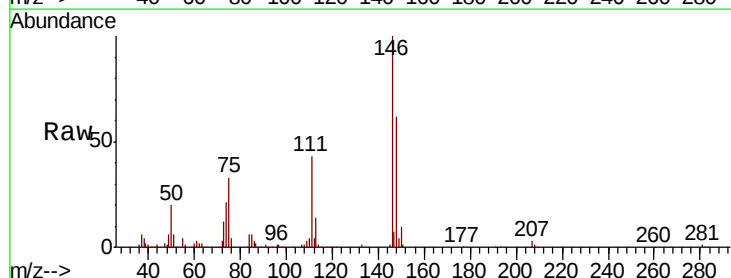
Tgt Ion:146 Resp: 194676

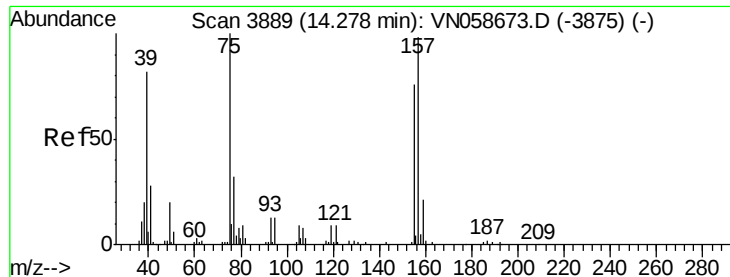
Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.4

148 64.3 32.1 96.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 23.345 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

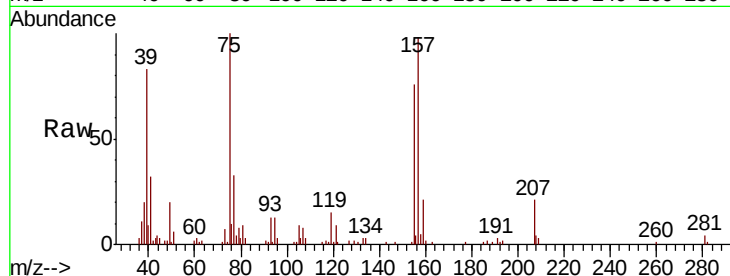
Tot Ion: 75 Resp: 34135

Ion Ratio Lower Upper

75 100

155 72.9 58.3 87.5

157 93.8 75.0 112.6



Abundance Ion 75.00 (74.70 to 75.70): VN058673.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN058673.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN058673.D (-3875) (-)

14.28

25000

20000

15000

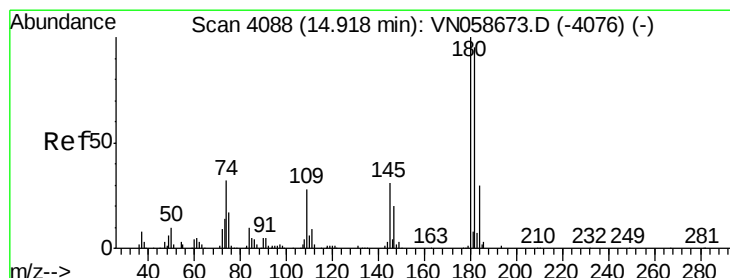
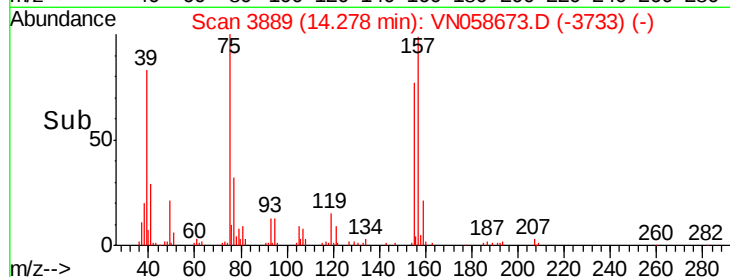
10000

5000

0

14.20 14.25 14.30 14.35

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 18.989 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

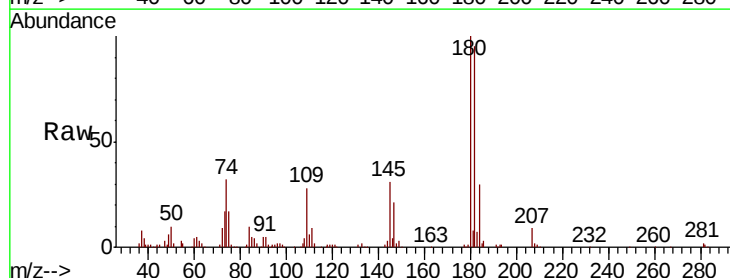
Tgt Ion: 180 Resp: 120893

Ion Ratio Lower Upper

180 100

182 94.1 75.3 112.9

145 31.0 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): VN058673.D (-4076) (-)

Ion 182.00 (181.70 to 182.70): VN058673.D (-4076) (-)

Ion 145.00 (144.70 to 145.70): VN058673.D (-4076) (-)

14.92

100000

80000

60000

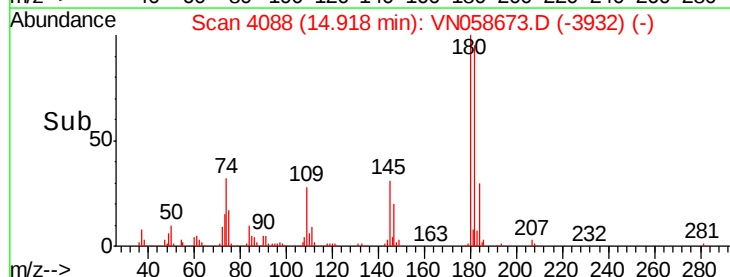
40000

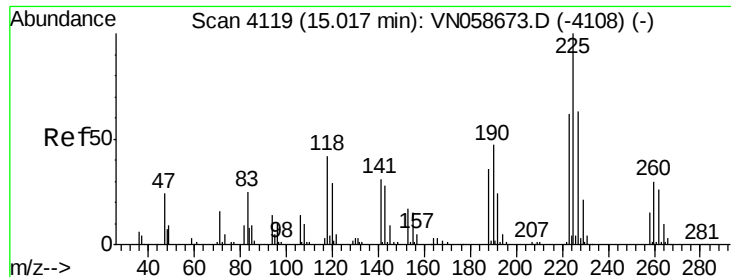
20000

0

14.85 14.90 14.95

Time-->





#90

Hexachlorobutadiene

Concen: 20.314 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

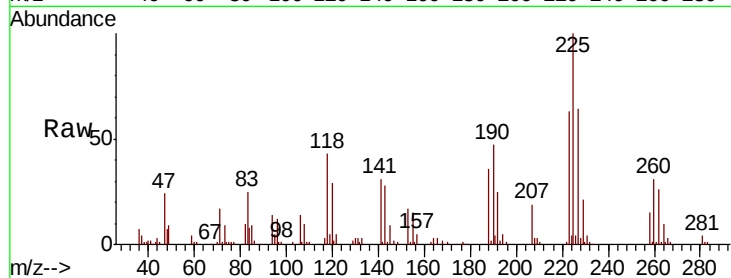
Tot Ion:225 Resp: 63088

Ion Ratio Lower Upper

225 100

223 63.1 0.0 126.2

227 63.5 0.0 127.0

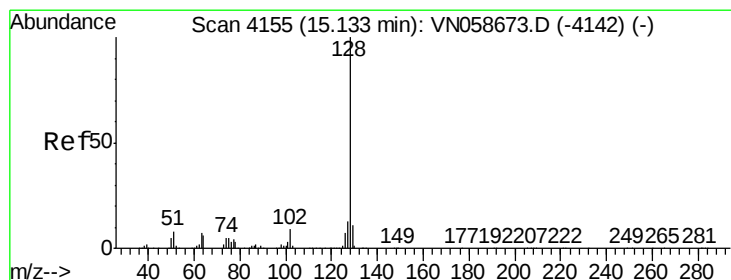
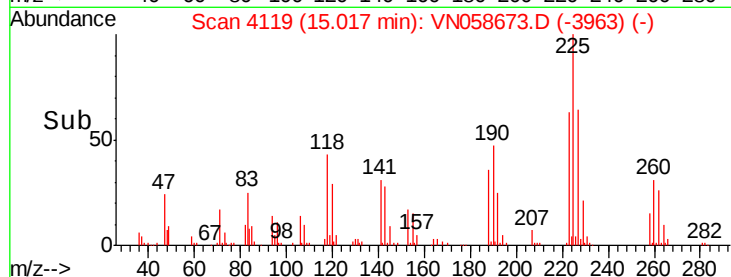
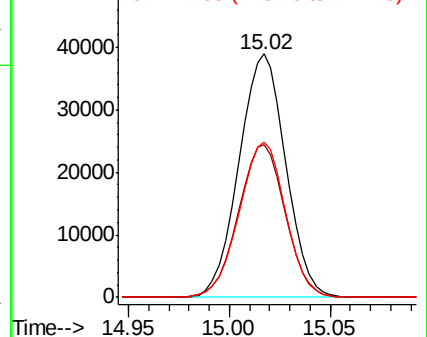


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 20.256 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058673.D

Acq: 10 Oct 2019 18:34

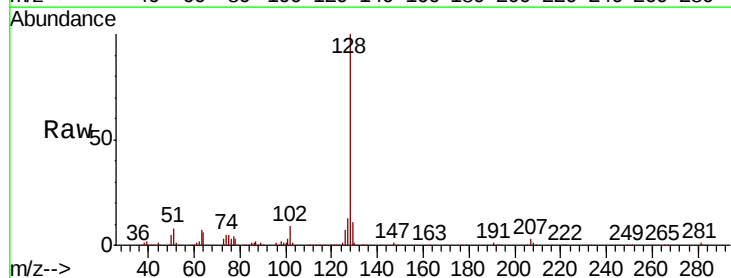
Tgt Ion:128 Resp: 359059

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 8.6 13.0

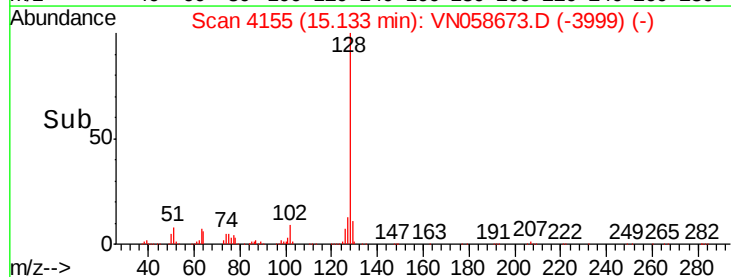
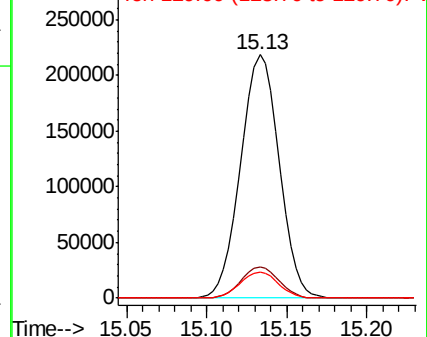


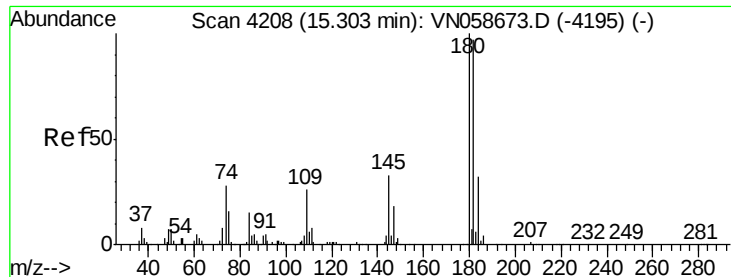
Abundance

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

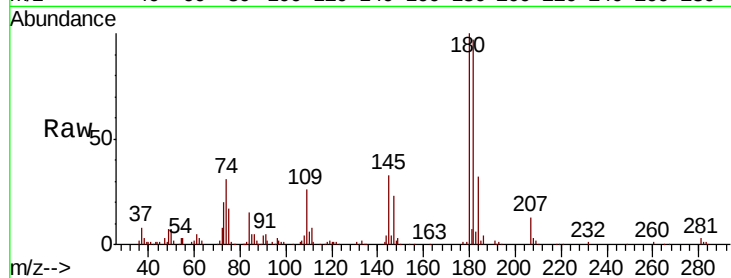




#92
 1,2,3-Trichlorobenzene
 Concen: 19.270 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058673.D
 Acq: 10 Oct 2019 18:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	193.4
145	32.9	0.0	65.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

