

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058953.D
 Acq On : 24 Oct 2019 12:16
 Operator : JC/SP
 Sample : VN1025WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:17:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	57338	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	308685	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	288278	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	152405	31.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.40%
60) 4-Bromofluorobenzene	12.40	95	147972	29.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.80%
63) Toluene-d8	10.08	98	420328	30.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67738	21.804	ug/l 99
3) Chloromethane	2.04	50	89312	21.522	ug/l 98
4) Vinyl Chloride	2.17	62	93137	21.715	ug/l 98
5) Bromomethane	2.55	94	53493	20.201	ug/l 98
6) Chloroethane	2.69	64	62735	23.270	ug/l 98
7) Trichlorofluoromethane	3.00	101	119703	22.675	ug/l 98
8) Diethyl Ether	3.39	74	43232	21.472	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67364	22.054	ug/l 98
10) 1,1-Dichloroethene	3.72	96	63458	21.152	ug/l 95
11) Methyl Iodide	3.93	142	69437	16.619	ug/l 99
12) Methyl Acetate	4.30	43	102057	21.262	ug/l 98
13) Acrolein	3.58	56	42783	80.670	ug/l 95
14) Acrylonitrile	4.96	53	202221	106.924	ug/l 97
15) Acetone	3.79	58	65377	116.454	ug/l 99
16) Carbon Disulfide	4.03	76	184889	21.130	ug/l 100
17) Allyl chloride	4.30	41	114132	19.114	ug/l 97
18) Methylene Chloride	4.53	84	79331	21.837	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	70453	21.572	ug/l 95
20) Diisopropyl ether	5.93	45	267218	21.965	ug/l 97
21) 1,1-Dichloroethane	5.82	63	149572	22.202	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	81538	20.939	ug/l 97
23) tert-Butyl Alcohol	4.75	59	75613	97.745	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	226765	20.261	ug/l 97
25) Chloroform	7.35	83	144775	21.548	ug/l 100
26) Cyclohexane	7.63	56	118372	20.019	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	104217	21.447	ug/l 99
30) 2-Butanone	6.81	43	292492	106.519	ug/l 99
31) 2,2-Dichloropropane	6.80	77	128085	22.364	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	126407	22.492	ug/l 99
33) Carbon Tetrachloride	7.76	117	109101	22.428	ug/l 97
34) Benzene	8.02	78	315809	22.076	ug/l 98
35) Methacrylonitrile	7.19	41	171431	70.673	ug/l # 65
36) 1,2-Dichloroethane	8.11	62	124810	22.819	ug/l 100
37) Trichloroethene	8.82	130	74888	21.309	ug/l 100
38) Methylcyclohexane	9.07	83	111724	19.831	ug/l 97
39) 1,2-Dichloropropane	9.11	63	87640	22.417	ug/l 98
40) Dibromomethane	9.20	93	54743	22.182	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	115742	22.956	ug/l	97
42) Vinyl Acetate	5.87	43	1091786	113.529	ug/l	99
43) Ethyl Acetate	6.91	43	116334	21.585	ug/l	99
44) Isopropyl Acetate	8.15	43	184077	21.086	ug/l	98
45) 1,4-Dioxane	9.19	88	26839	400.373	ug/l	98
46) Methyl methacrylate	9.19	41	81829	20.418	ug/l	95
47) n-amyl Acetate	12.07	43	146507	18.931	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	124089	21.221	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	132124	21.518	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	77905	22.112	ug/l	97
51) Ethyl methacrylate	10.43	69	111639	19.817	ug/l	97
52) 1,3-Dichloropropane	10.70	76	135172	21.544	ug/l	98
53) Dibromochloromethane	10.90	129	82033	21.696	ug/l	100
54) 1,2-Dibromoethane	11.00	107	79442	21.754	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	265853	94.869	ug/l	100
56) Bromoform	12.13	173	58326	22.144	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	579377	110.170	ug/l	99
59) 2-Hexanone	10.75	43	425740	103.263	ug/l	99
61) Tetrachloroethene	10.63	164	68569	22.011	ug/l	98
62) Toluene	10.15	91	335445	21.632	ug/l	99
64) Chlorobenzene	11.43	112	201029	21.205	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	78304	22.027	ug/l	98
66) Ethyl Benzene	11.51	91	355442	20.701	ug/l	98
67) m/p-Xylenes	11.62	106	264694	41.262	ug/l	100
68) o-Xylene	11.95	106	125301	20.149	ug/l	99
69) Styrene	11.97	104	203543	19.812	ug/l	99
70) Isopropylbenzene	12.25	105	340383	20.273	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	119880	21.209	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	155102	30.283	ug/l	62
73) Bromobenzene	12.53	156	82784	20.299	ug/l	97
74) n-propylbenzene	12.59	91	411100	20.918	ug/l	99
75) 2-Chlorotoluene	12.68	91	245232	20.740	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	294301	20.465	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	37292	19.113	ug/l	100
78) 4-Chlorotoluene	12.78	91	249599	20.481	ug/l	100
79) tert-butylbenzene	13.00	119	246891	20.095	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	292601	20.477	ug/l	100
81) sec-Butylbenzene	13.17	105	331116	20.026	ug/l	100
82) p-Isopropyltoluene	13.29	119	295039	19.871	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	149718	20.288	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	141306	19.170	ug/l	99
85) n-Butylbenzene	13.62	91	252066	18.543	ug/l	98
86) Hexachloroethane	13.88	117	57736	21.367	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	146714	20.139	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24969	19.847	ug/l	93
89) 1,2,4-Trichlorobenzene	14.92	180	75147	16.336	ug/l	100
90) Hexachlorobutadiene	15.01	225	45716	19.246	ug/l	98
91) Naphthalene	15.13	128	205347	15.119	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	76158	17.008	ug/l	100

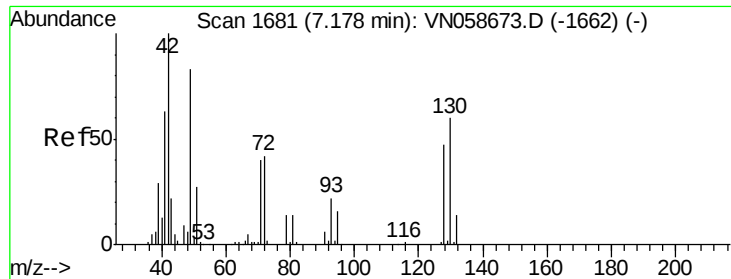
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampled :

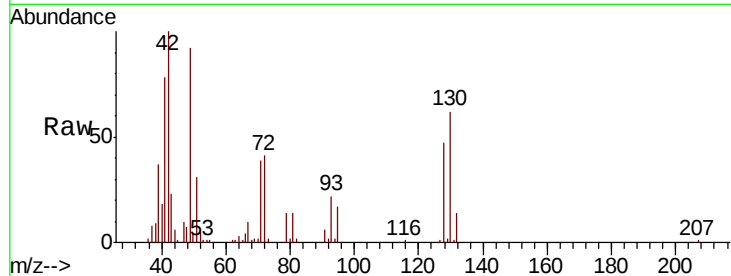
Tot Ion:128 Resp: 57338

Ion Ratio Lower Upper

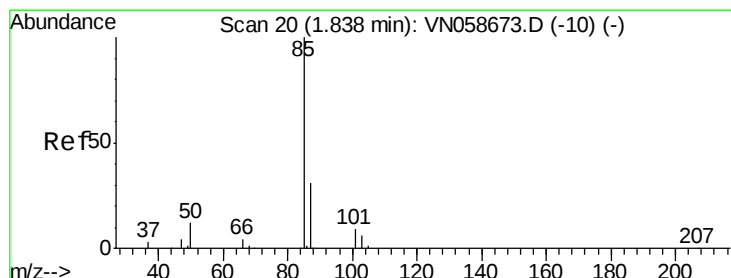
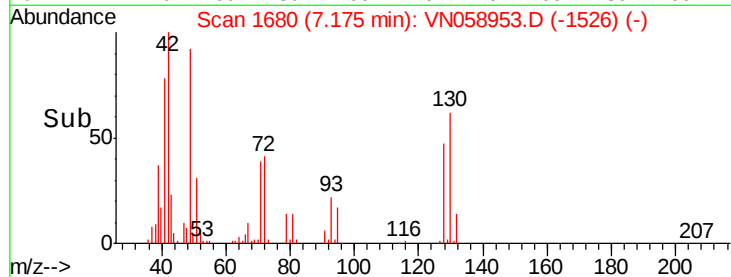
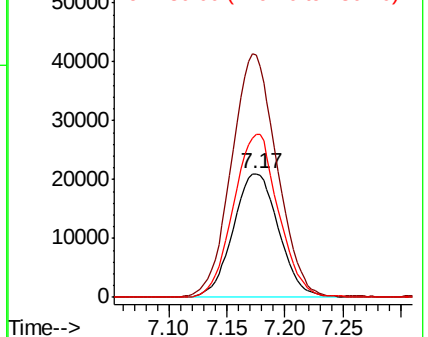
128 100

49 196.5 0.0 453.5

130 130.1 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: 21.804 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058953.D

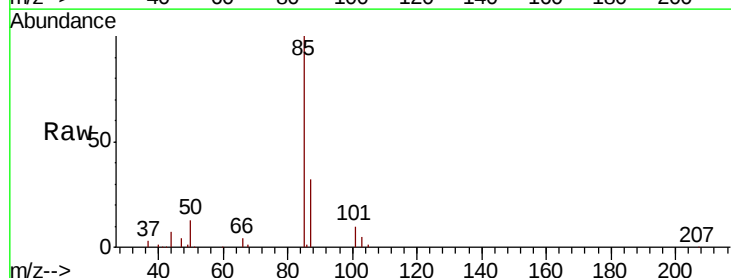
Acq: 24 Oct 2019 12:16

Tgt Ion: 85 Resp: 67738

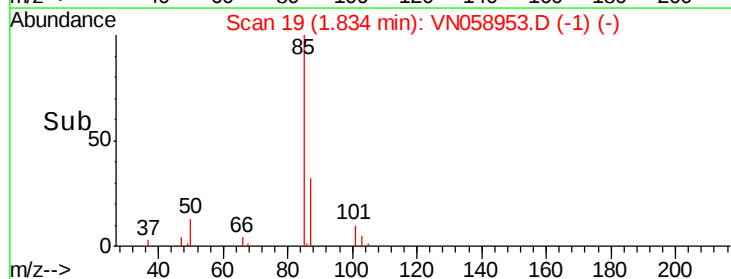
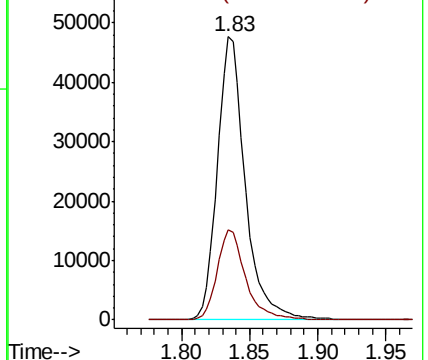
Ion Ratio Lower Upper

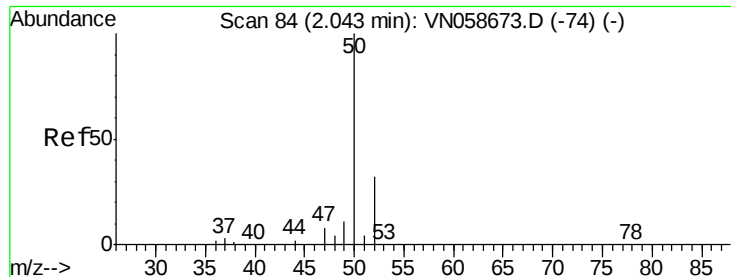
85 100

87 31.9 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: 21.522 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

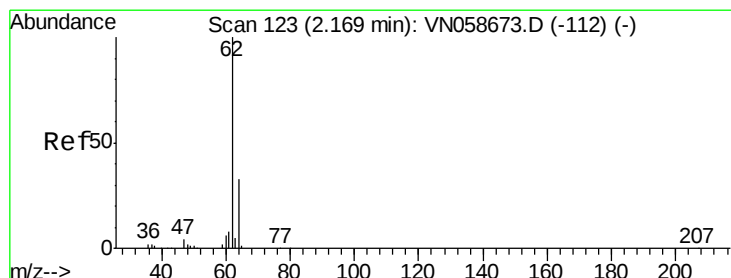
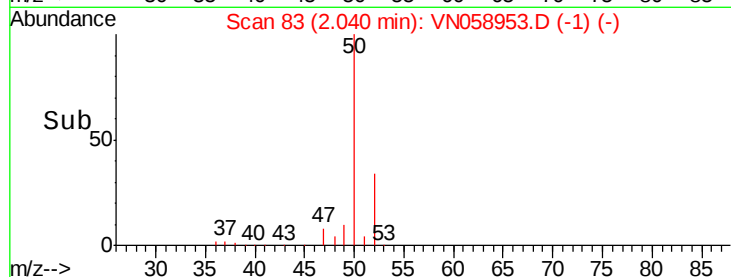
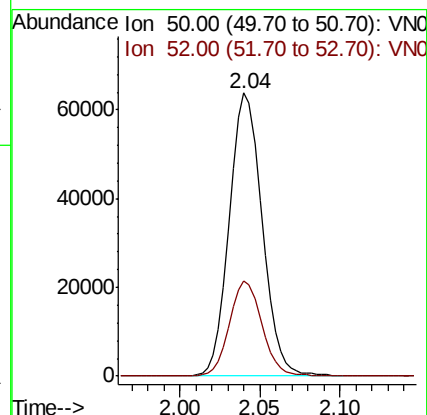
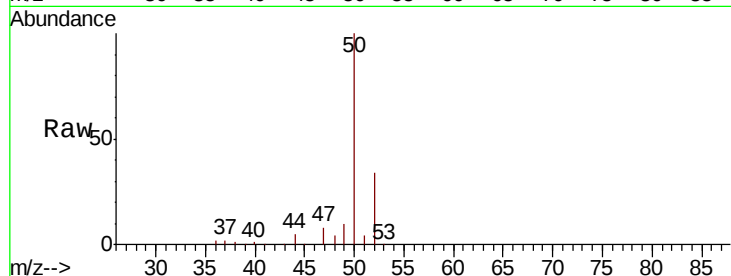
ClientSampled :

Tot Ion: 50 Resp: 89312

Ion Ratio Lower Upper

50 100

52 33.6 25.8 38.8



#4

Vinyl Chloride

Concen: 21.715 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058953.D

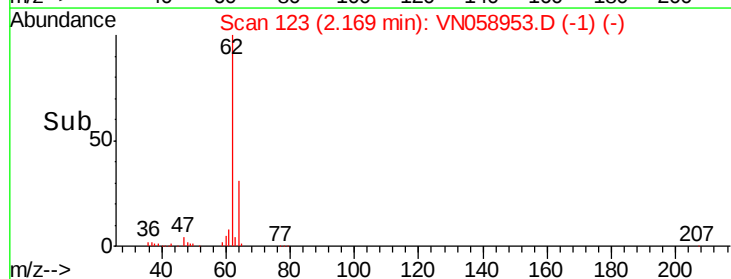
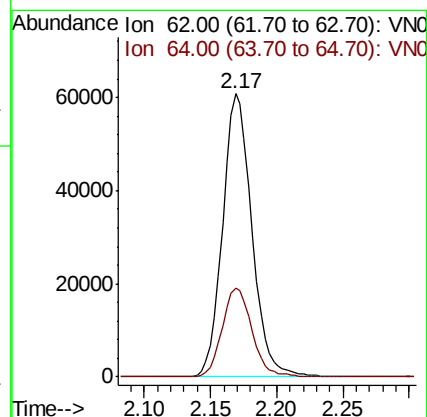
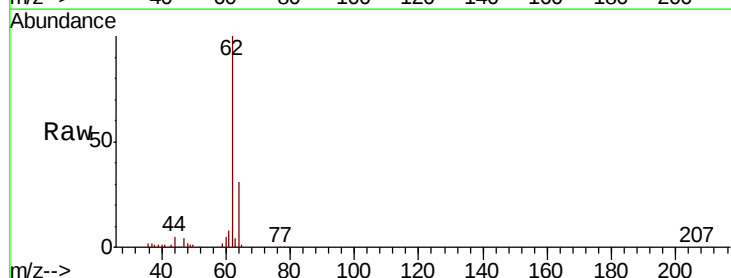
Acq: 24 Oct 2019 12:16

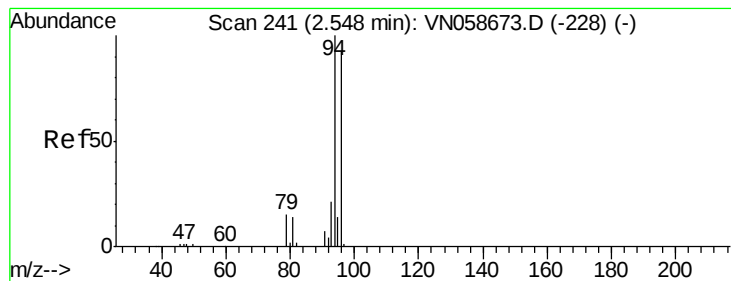
Tgt Ion: 62 Resp: 93137

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 20.201 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

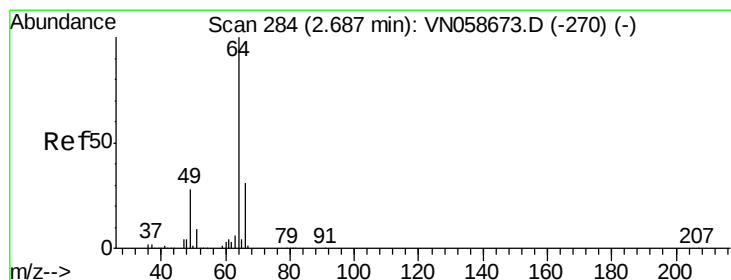
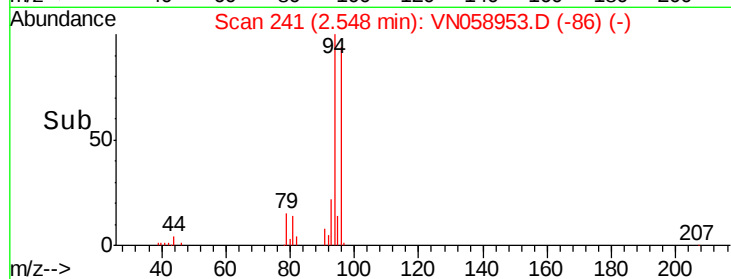
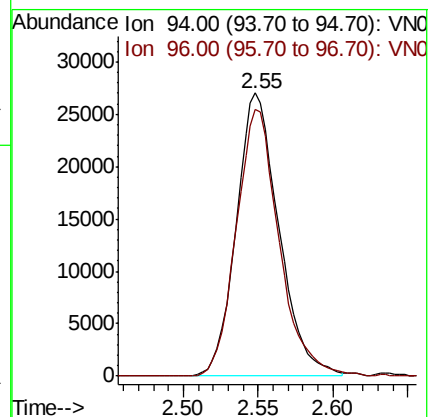
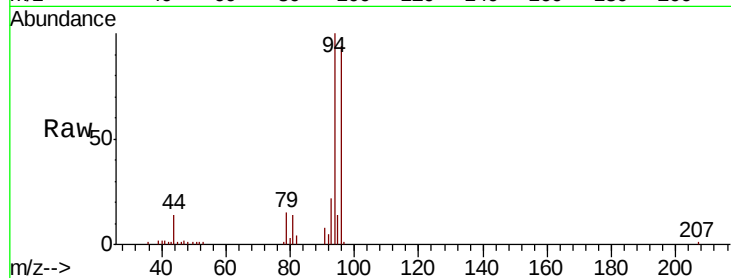
ClientSampleId :

Tot Ion: 94 Resp: 53493

Ion Ratio Lower Upper

94 100

96 94.3 73.7 110.5



#6

Chloroethane

Concen: 23.270 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058953.D

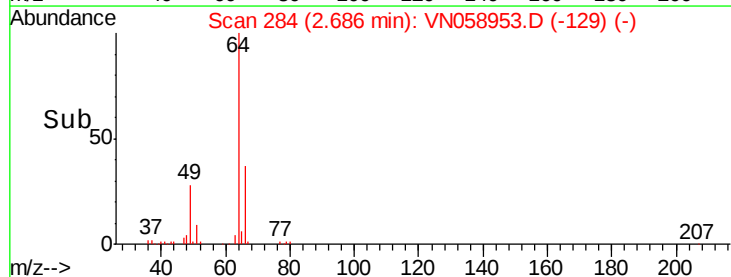
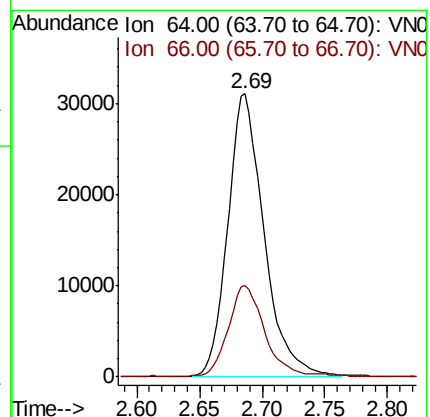
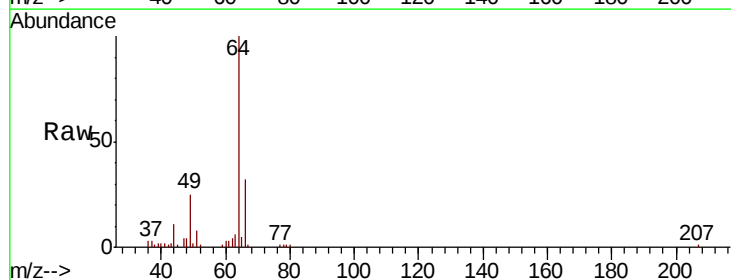
Acq: 24 Oct 2019 12:16

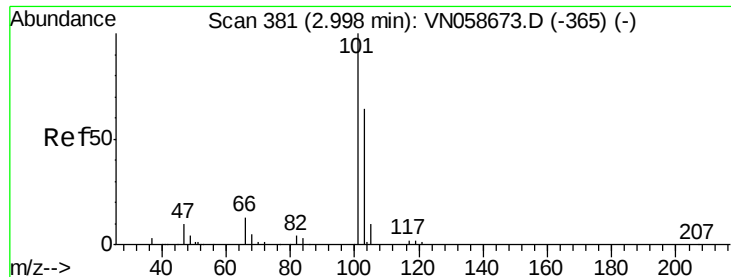
Tgt Ion: 64 Resp: 62735

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8



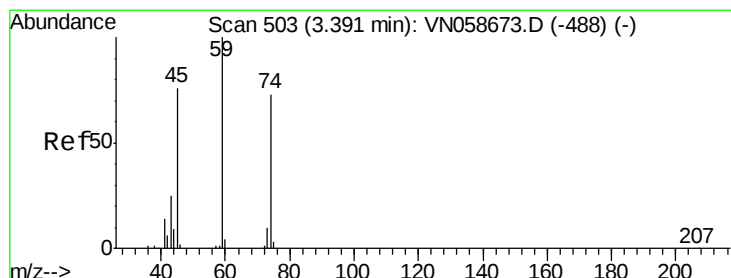
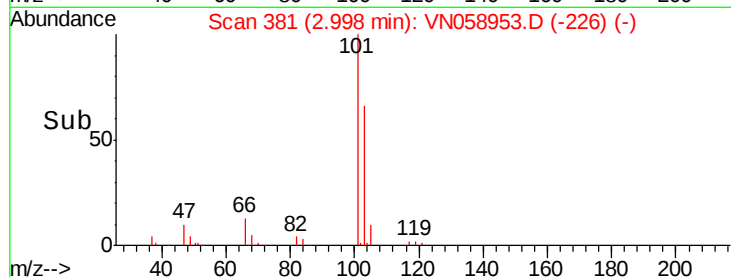
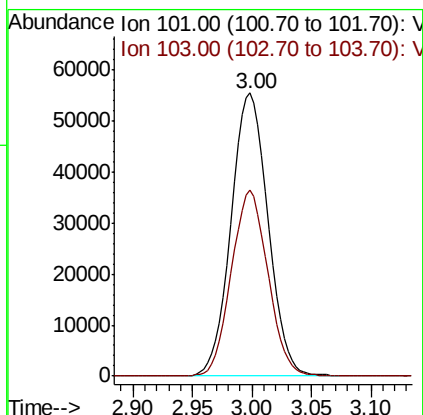
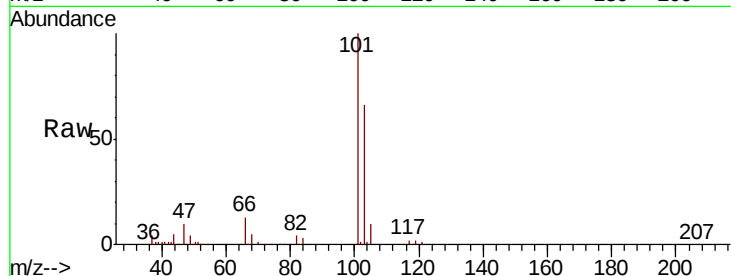


#7

Trichlorofluoromethane
 Concen: 22.675 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :

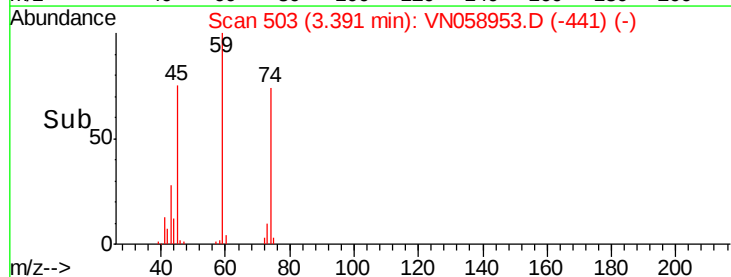
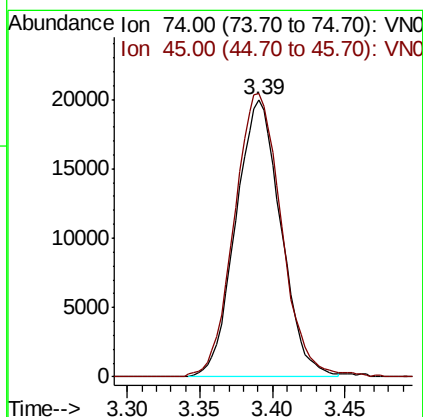
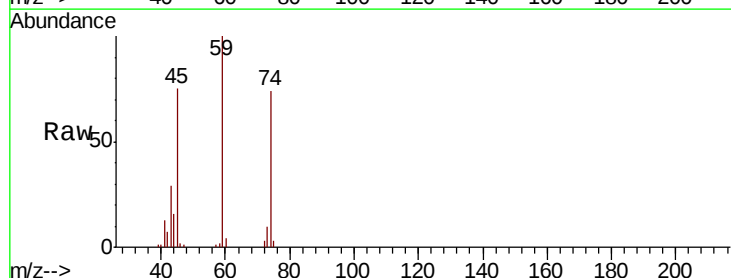
Tot Ion:101 Resp: 119703
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.5 77.3

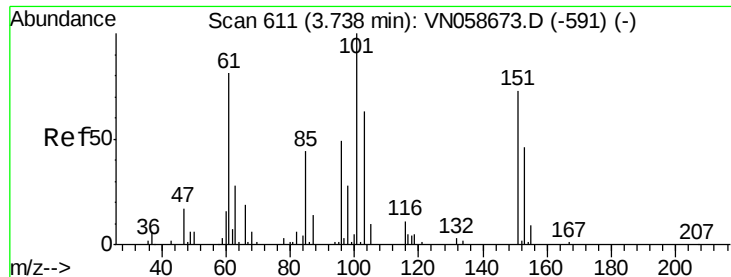


#8

Diethyl Ether
 Concen: 21.472 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion: 74 Resp: 43232
 Ion Ratio Lower Upper
 74 100
 45 106.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.054 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

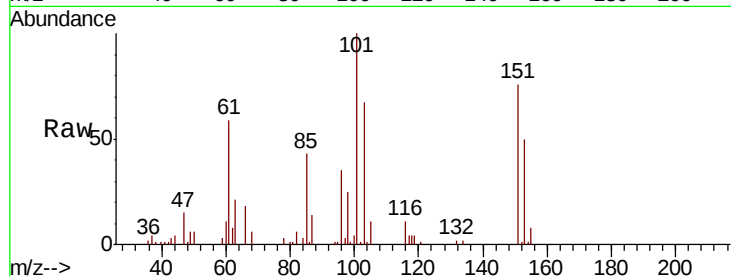
Tot Ion:101 Resp: 67364

Ion Ratio Lower Upper

101 100

85 45.1 0.0 93.8

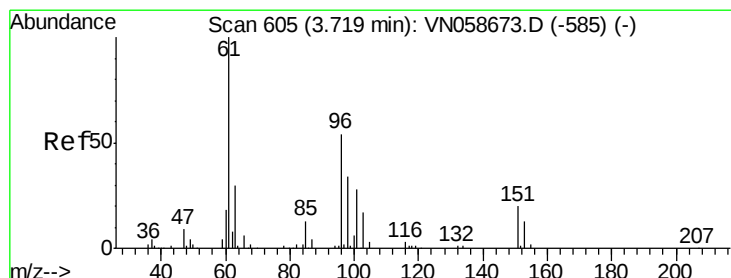
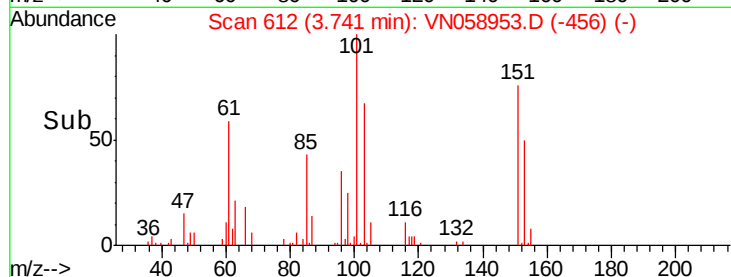
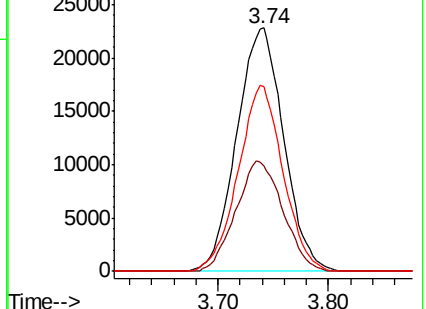
151 72.9 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.152 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

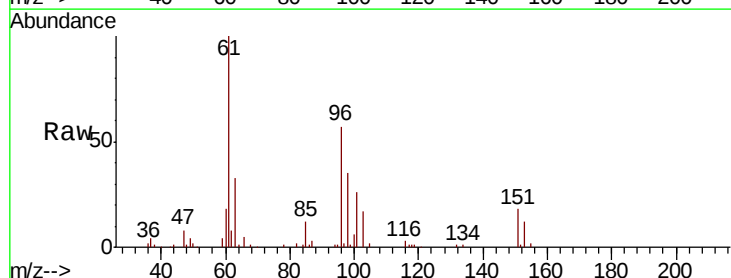
Tgt Ion: 96 Resp: 63458

Ion Ratio Lower Upper

96 100

61 176.1 148.5 222.7

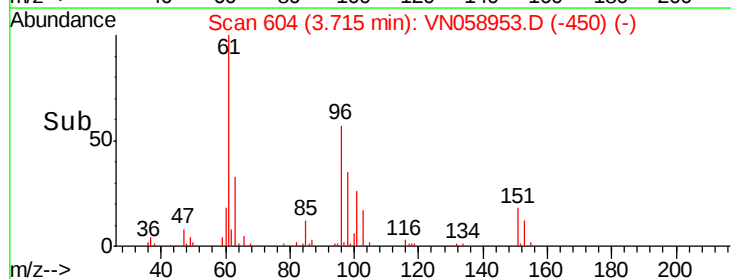
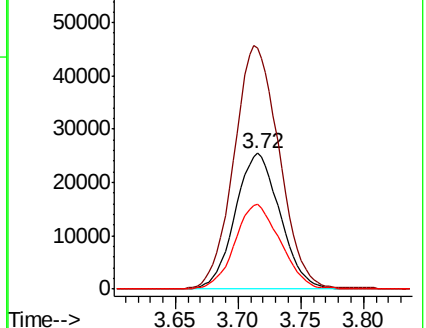
98 61.9 51.0 76.6

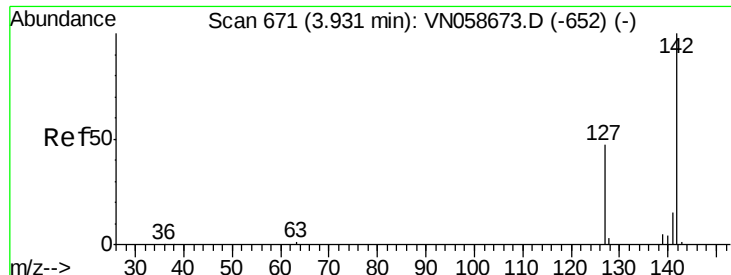


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

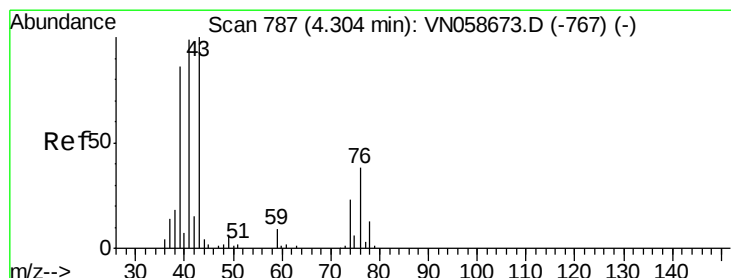
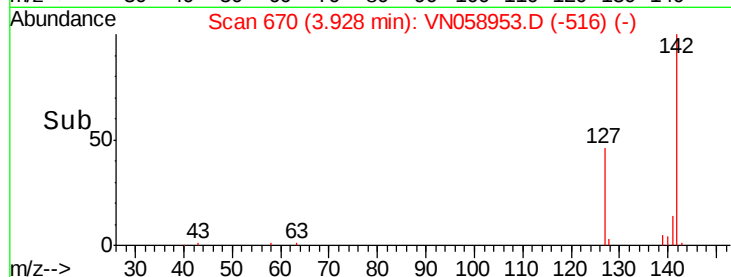
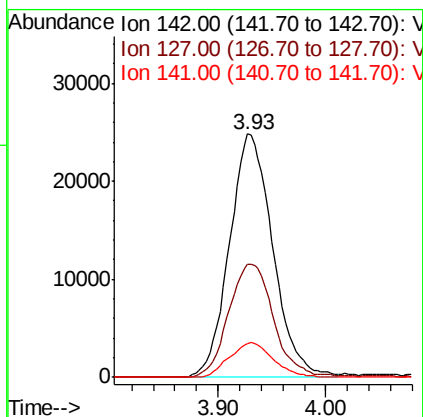
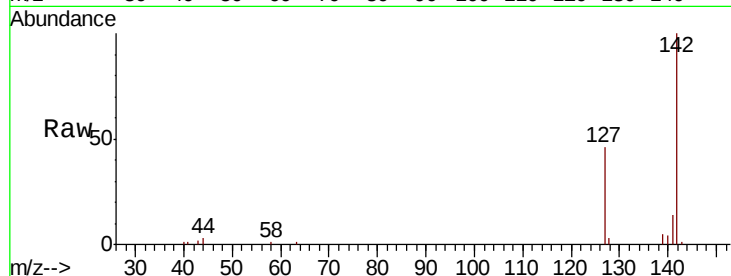




#11
Methyl Iodide
Concen: 16.619 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

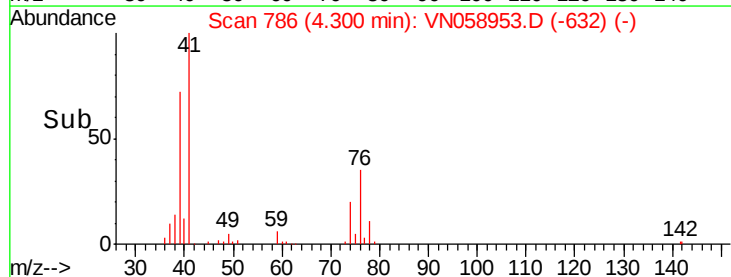
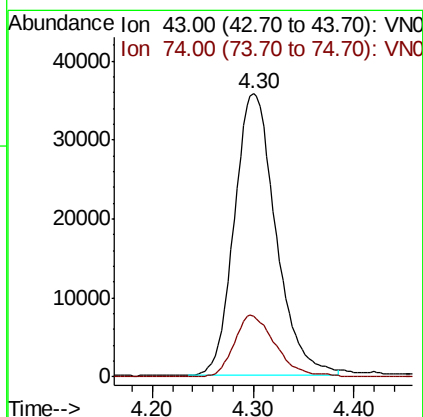
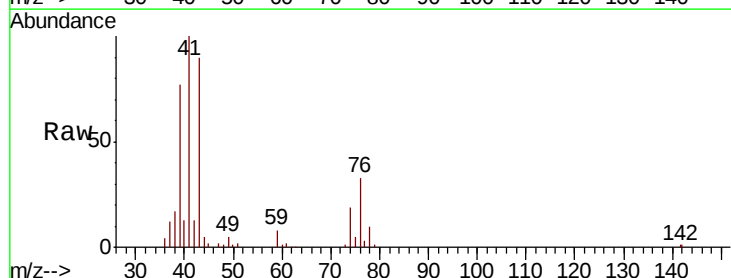
Instrument :
MSVOA_N
ClientSampleId :

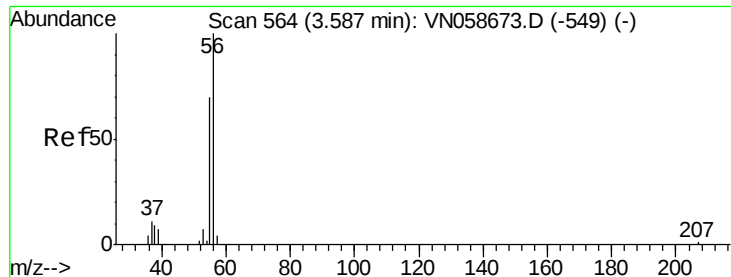
Tot Ion:142 Resp: 69437
Ion Ratio Lower Upper
142 100
127 46.3 23.5 70.6
141 14.1 7.4 22.2



#12
Methyl Acetate
Concen: 21.262 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 43 Resp: 102057
Ion Ratio Lower Upper
43 100
74 21.7 18.1 27.1





#13

Acrolein

Concen: 80.670 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

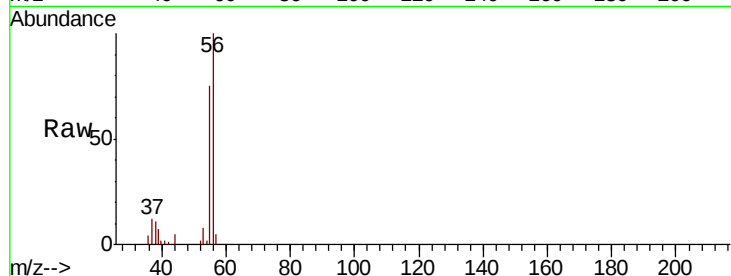
ClientSampleId :

Tot Ion: 56 Resp: 42783

Ion Ratio Lower Upper

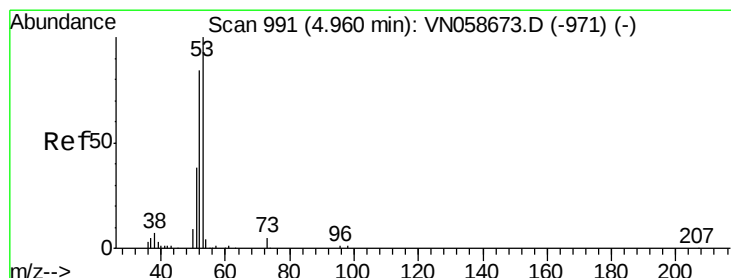
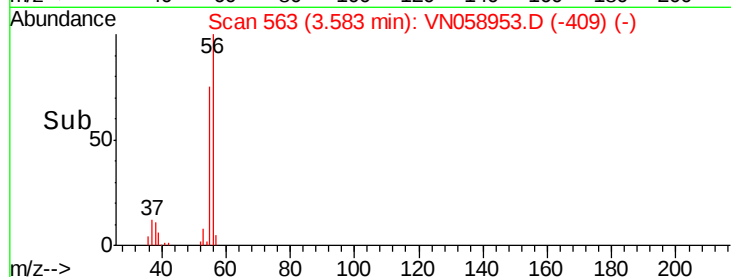
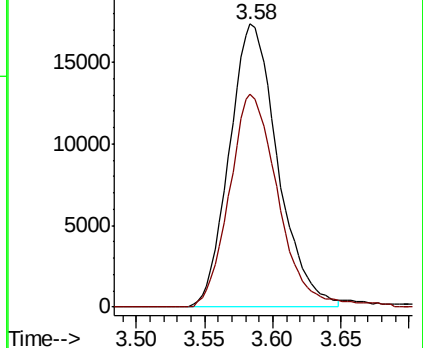
56 100

55 73.9 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN058673.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN058673.D (-549) (-)



#14

Acrylonitrile

Concen: 106.924 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

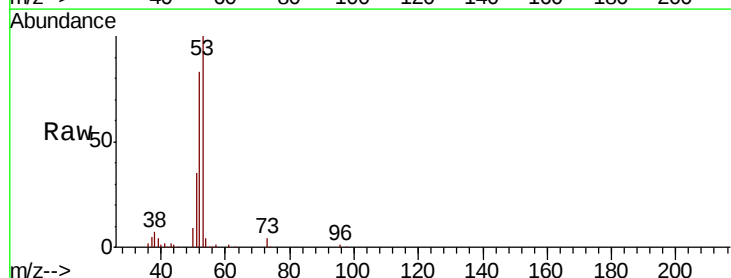
Tgt Ion: 53 Resp: 202221

Ion Ratio Lower Upper

53 100

52 81.7 42.2 126.6

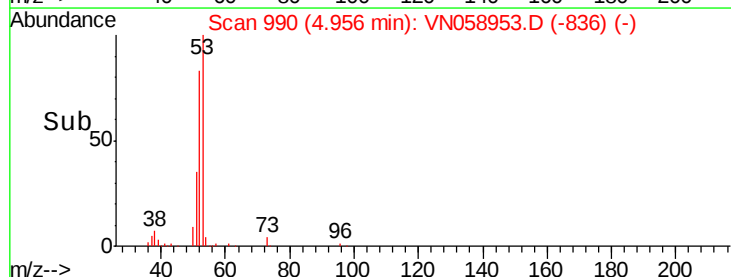
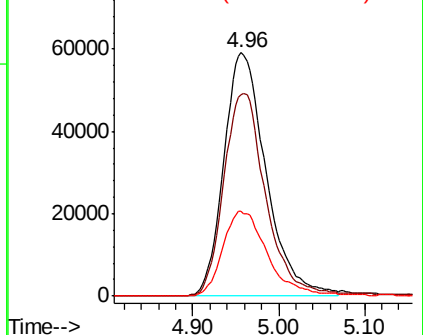
51 36.5 18.8 56.4

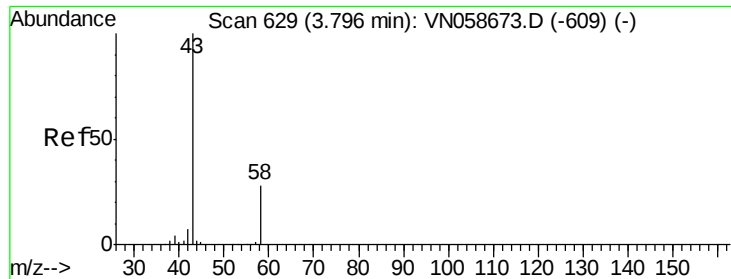


Abundance Ion 53.00 (52.70 to 53.70): VN058673.D (-971) (-)

Ion 52.00 (51.70 to 52.70): VN058673.D (-971) (-)

Ion 51.00 (50.70 to 51.70): VN058673.D (-971) (-)





#15

Acetone

Concen: 116.454 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

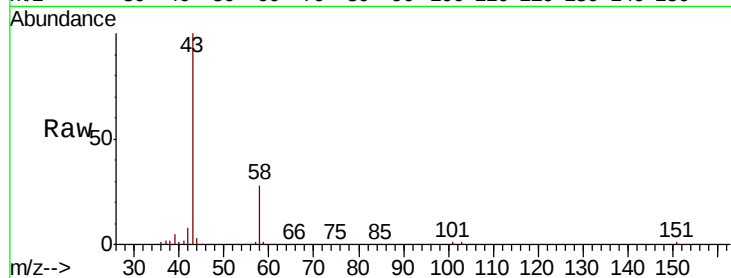
ClientSampled :

Tot Ion: 58 Resp: 65377

Ion Ratio Lower Upper

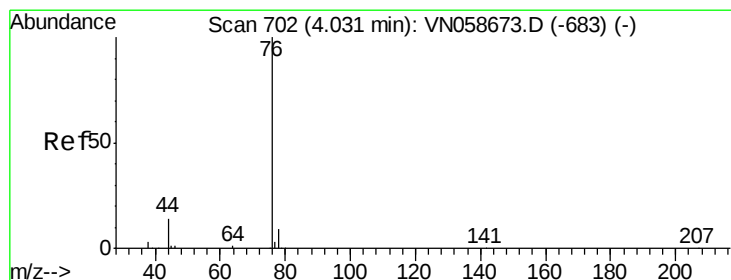
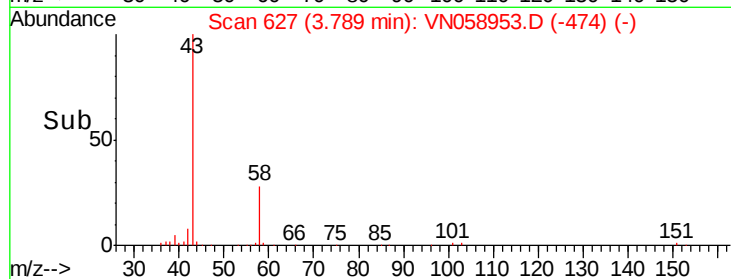
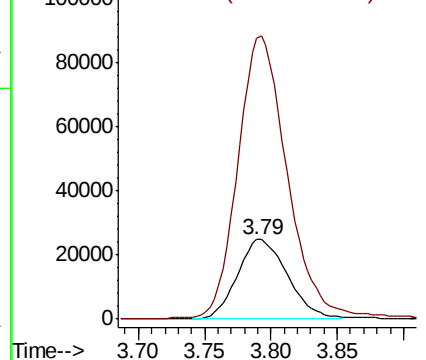
58 100

43 349.3 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN058953.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VN058953.D (-474) (-)



#16

Carbon Disulfide

Concen: 21.130 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058953.D

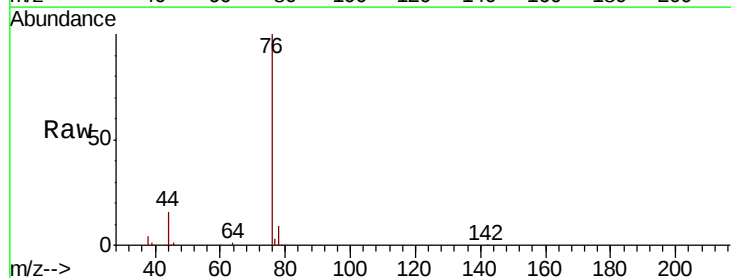
Acq: 24 Oct 2019 12:16

Tgt Ion: 76 Resp: 184889

Ion Ratio Lower Upper

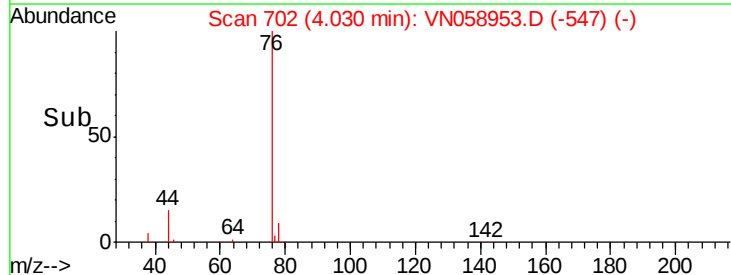
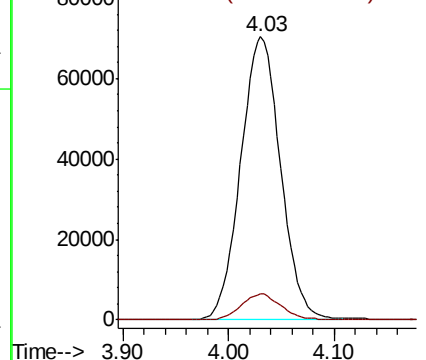
76 100

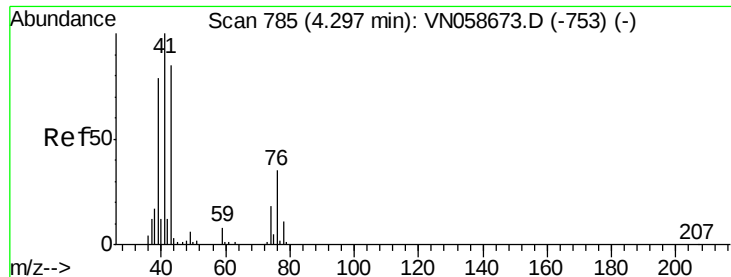
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058953.D (-547) (-)

Ion 78.00 (77.70 to 78.70): VN058953.D (-547) (-)

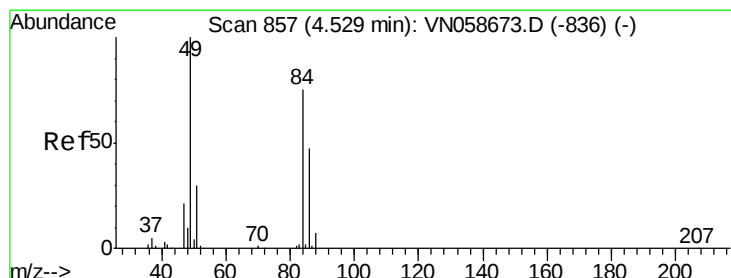
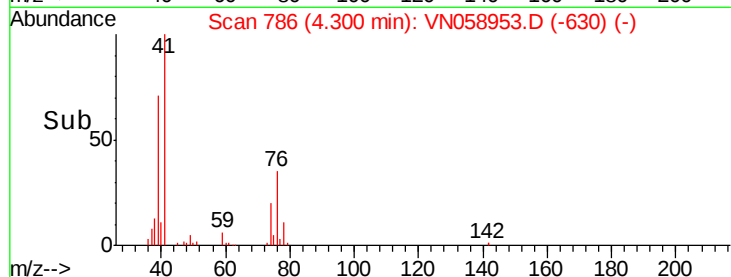
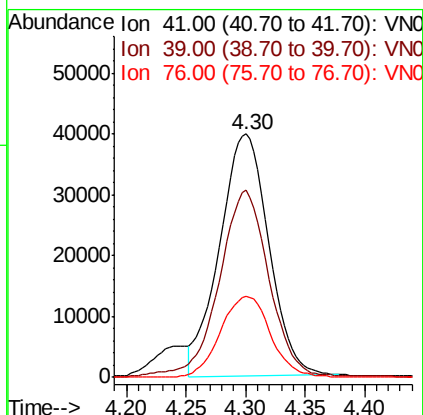
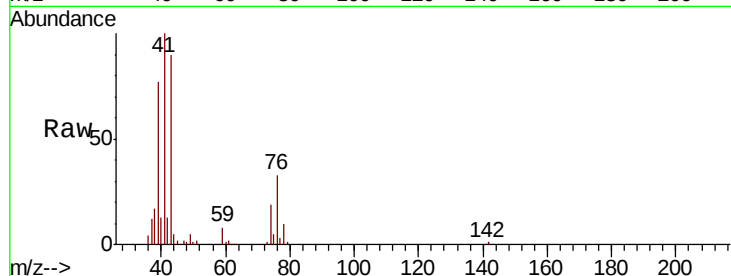




#17
Allvl chloride
Concen: 19.114 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

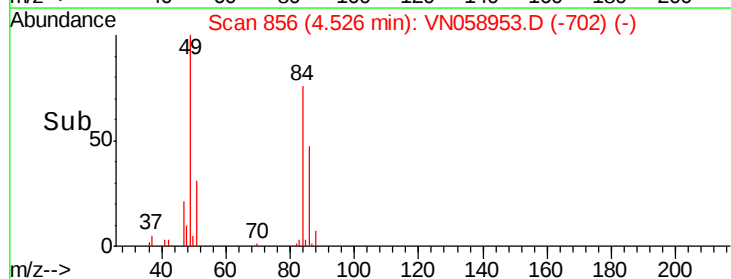
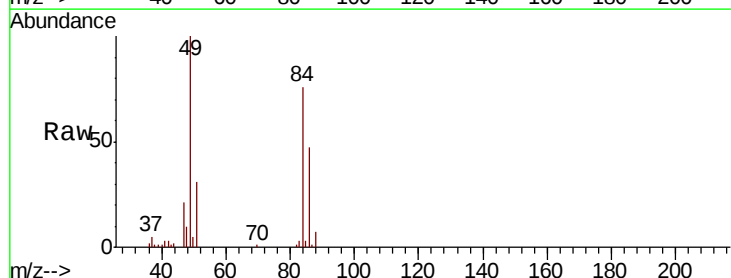
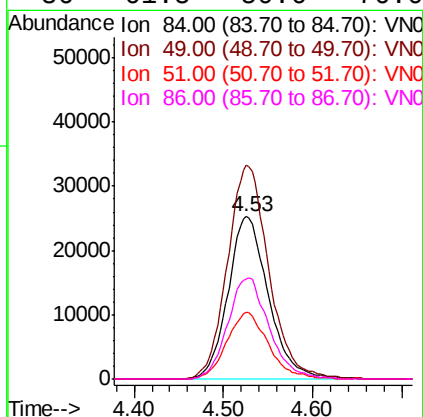
Instrument :
MSVOA_N
ClientSampled :

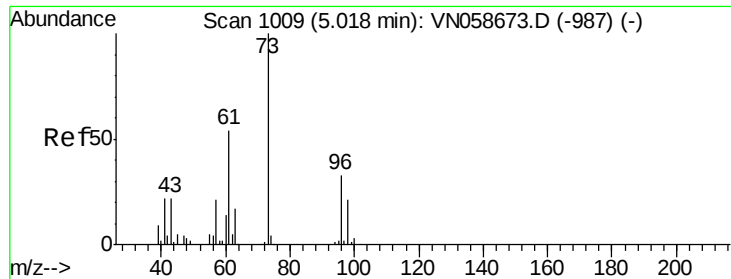
Tot Ion: 41 Resp: 114132
Ion Ratio Lower Upper
41 100
39 76.7 39.6 118.8
76 33.6 17.6 52.9



#18
Methylene Chloride
Concen: 21.837 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 84 Resp: 79331
Ion Ratio Lower Upper
84 100
49 131.0 106.6 160.0
51 41.4 32.4 48.6
86 61.5 50.6 76.0

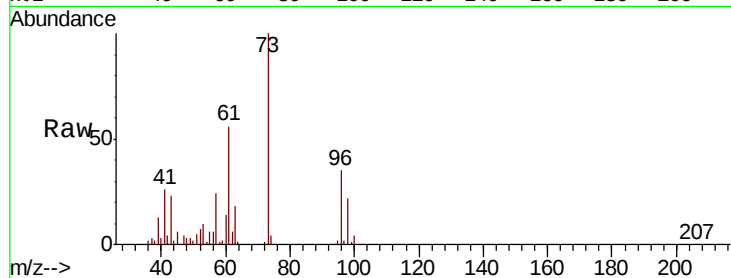




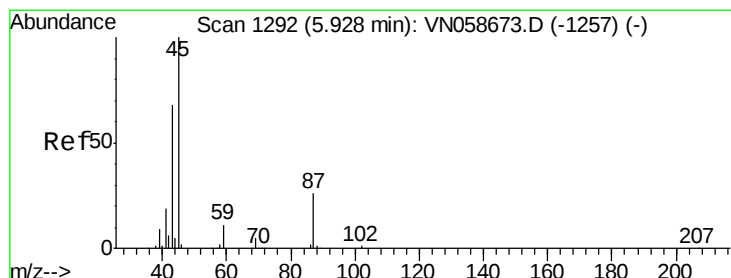
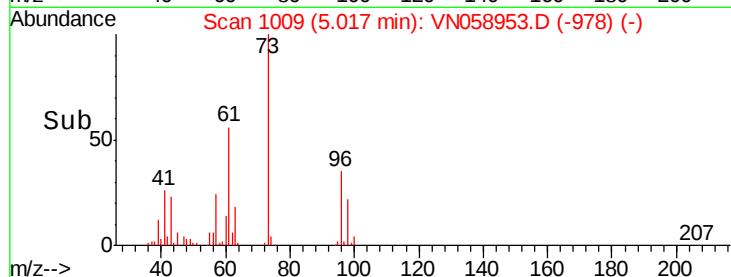
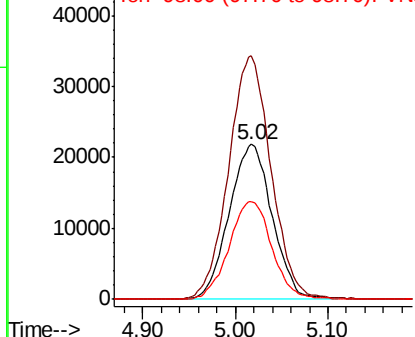
#19
trans-1,2-Dichloroethene
Concen: 21.572 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 70453
Ion Ratio Lower Upper
96 100
61 156.2 131.8 197.6
98 63.4 52.6 79.0

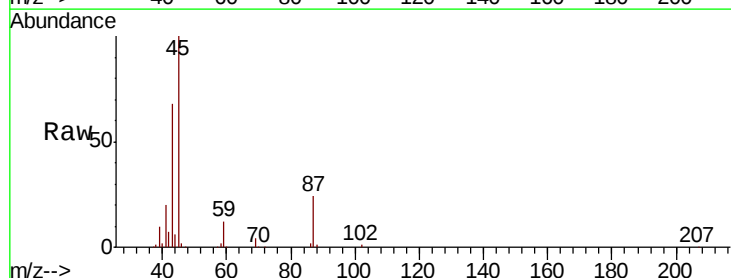


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

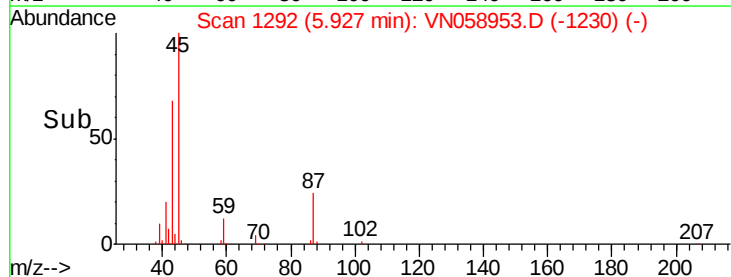
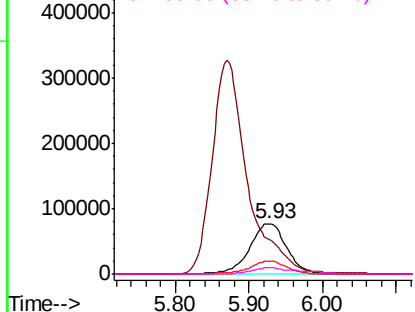


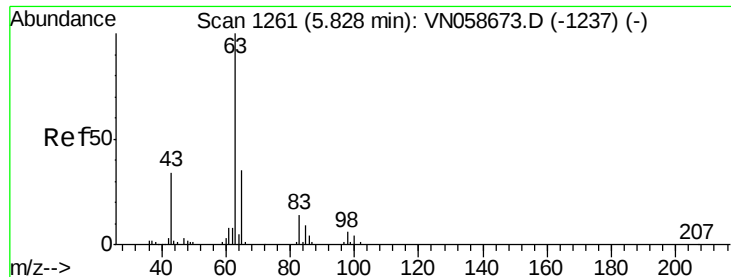
#20
Diisopropyl ether
Concen: 21.965 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 45 Resp: 267218
Ion Ratio Lower Upper
45 100
43 66.2 54.7 82.1
87 24.2 21.5 32.3
59 11.6 8.7 13.1



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





#21

1,1-Dichloroethane

Concen: 22.202 ug/l

RT: 5.82 min Scan# 1260

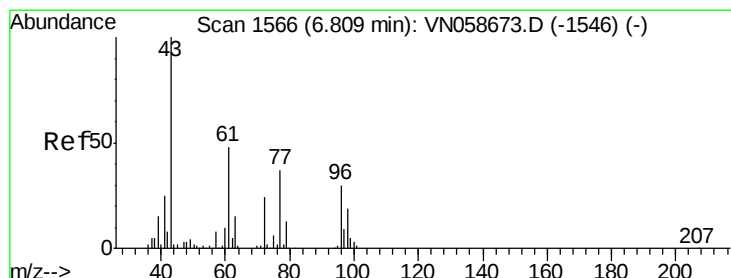
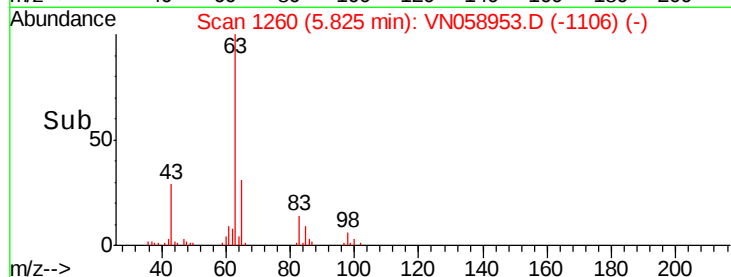
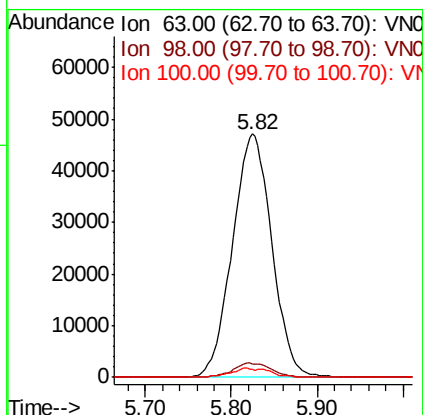
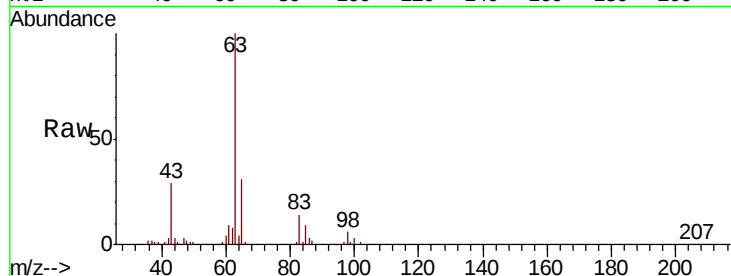
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	63	Resp:	149572
Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.6
100	3.1	1.8	5.5



#22

cis-1,2-Dichloroethene

Concen: 20.939 ug/l

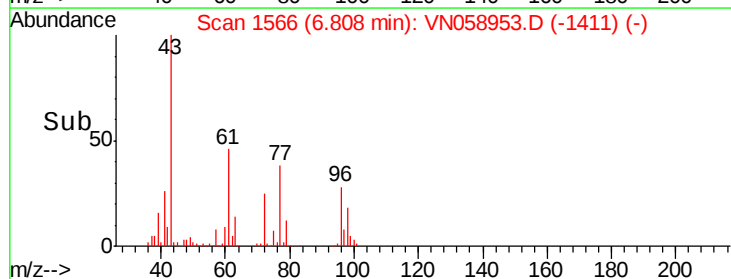
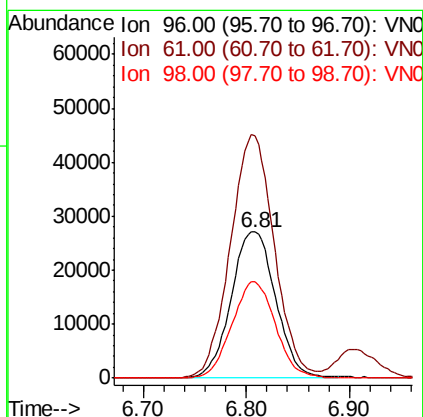
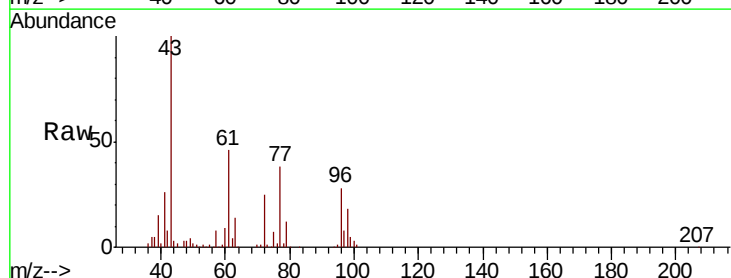
RT: 6.81 min Scan# 1566

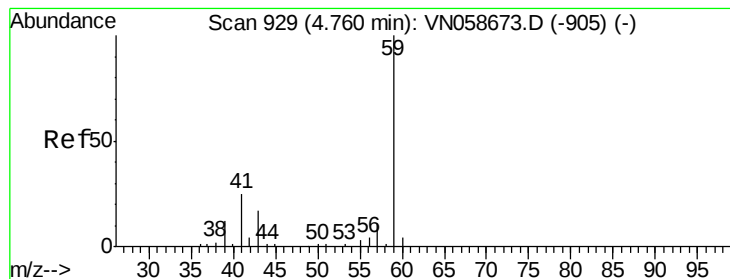
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	96	Resp:	81538
Ion	Ratio	Lower	Upper
96	100		
61	163.7	127.2	190.8
98	64.1	50.5	75.7



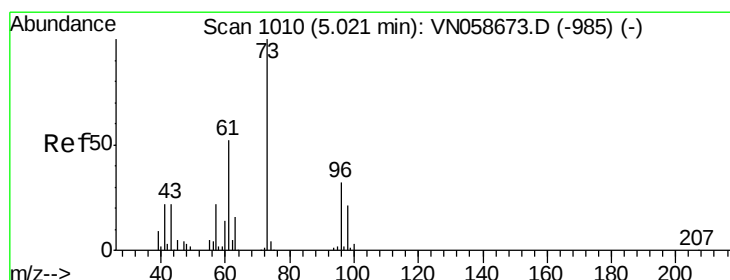
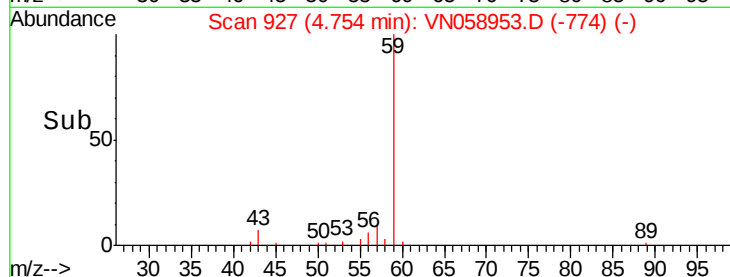
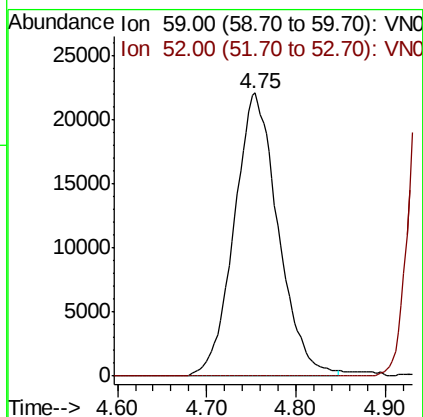
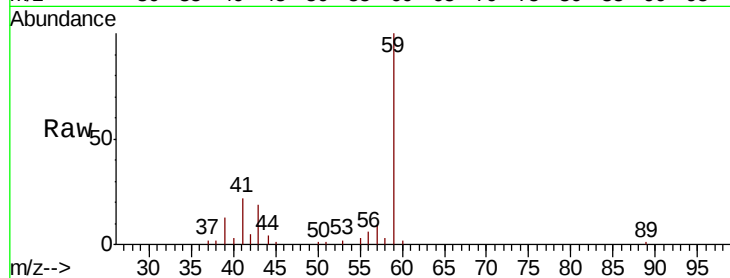


#23

tert-Butyl Alcohol
 Concen: 97.745 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :

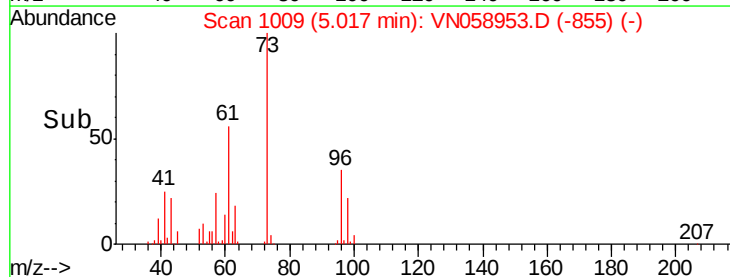
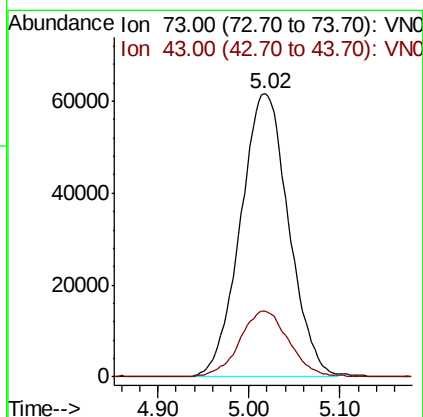
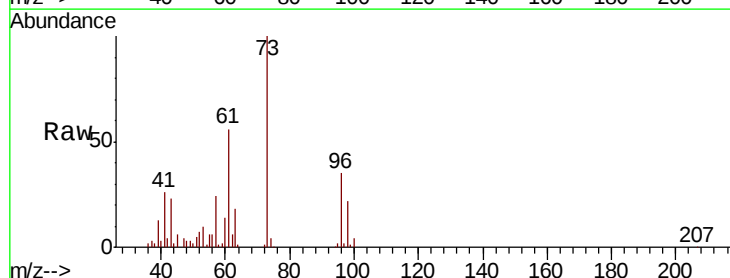
Tot Ion: 59 Resp: 75613
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

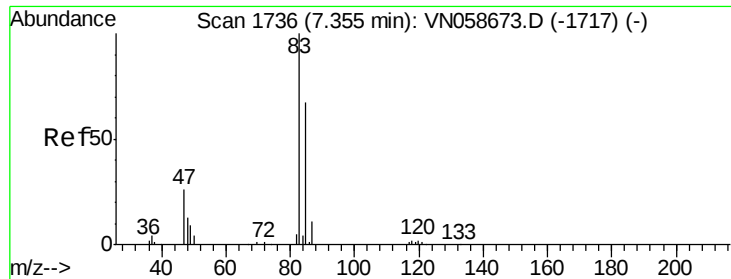


#24

Methyl tert-Butyl Ether
 Concen: 20.261 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion: 73 Resp: 226765
 Ion Ratio Lower Upper
 73 100
 43 23.9 17.9 26.9

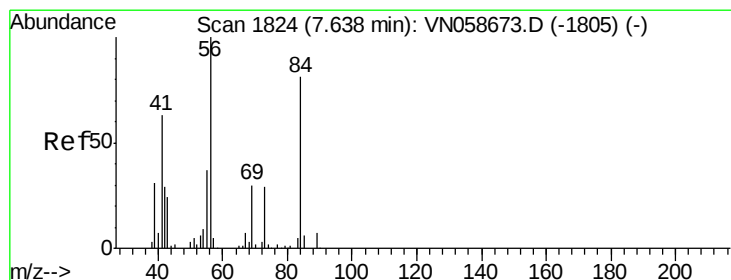
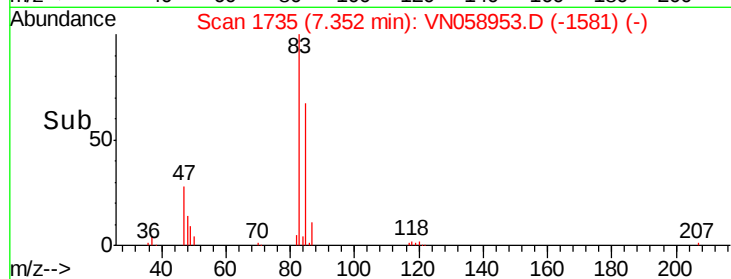
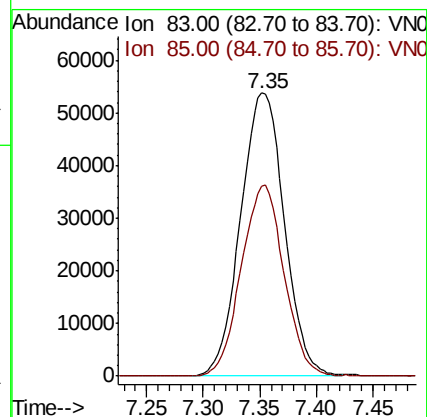
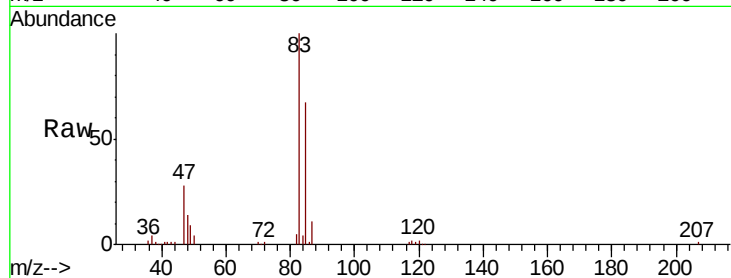




#25
Chloroform
Concen: 21.548 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

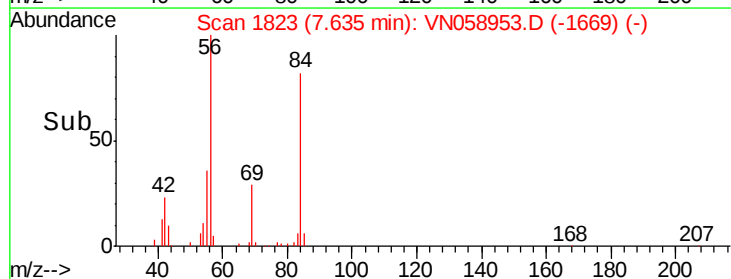
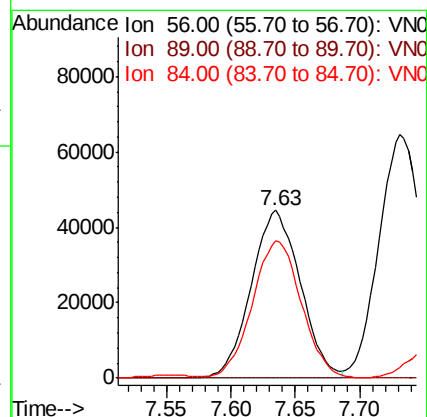
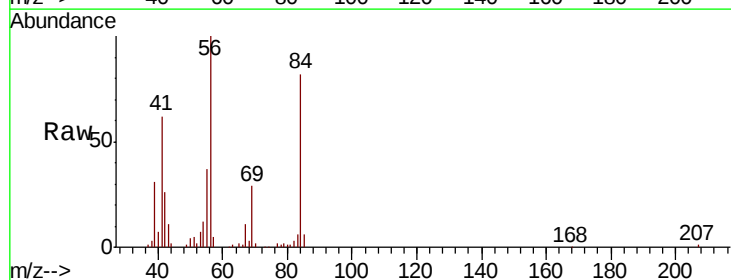
Instrument :
MSVOA_N
ClientSampled :

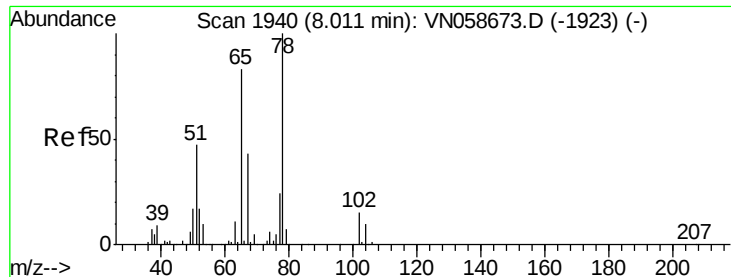
Tot Ion: 83 Resp: 144775
Ion Ratio Lower Upper
83 100
85 67.1 53.8 80.8



#26
Cyclohexane
Concen: 20.019 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 56 Resp: 118372
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 81.3 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 31.317 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

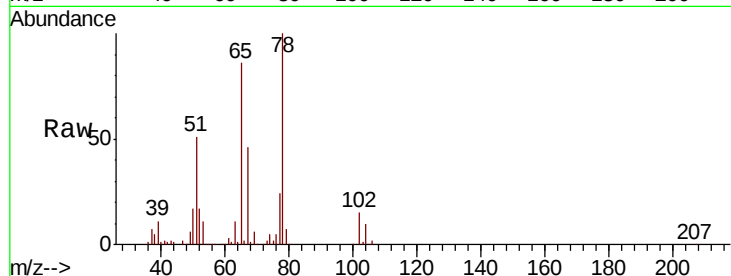
ClientSampleId :

Tot Ion: 65 Resp: 152405

Ion Ratio Lower Upper

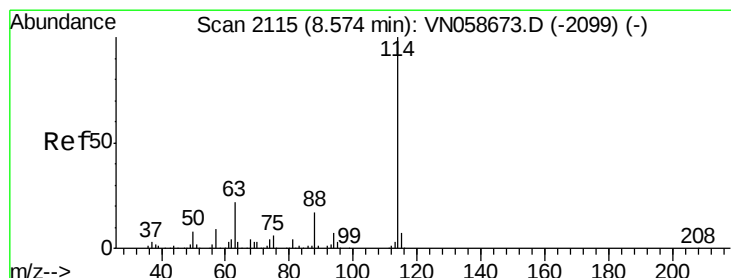
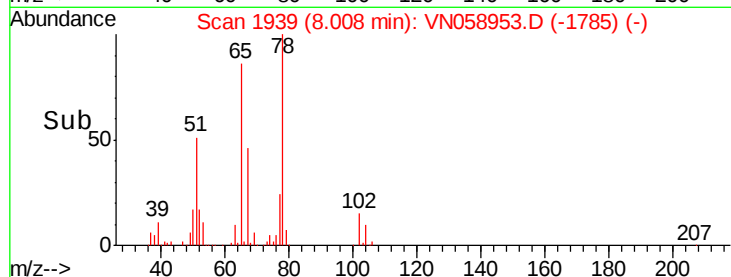
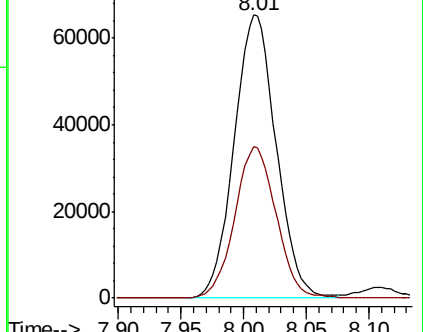
65 100

67 52.4 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# 2114

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

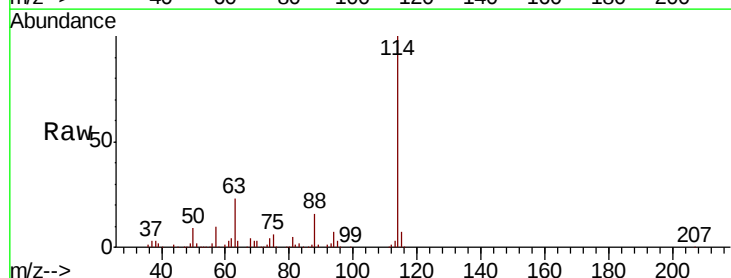
Tgt Ion: 114 Resp: 308685

Ion Ratio Lower Upper

114 100

63 23.0 18.1 27.1

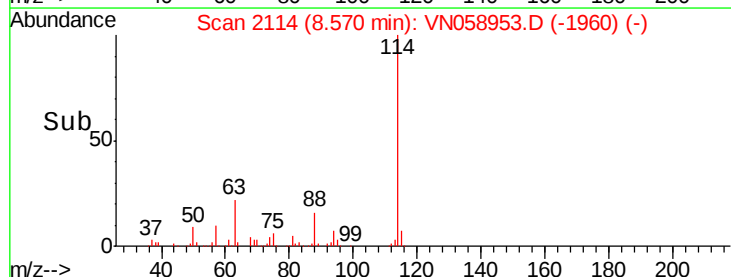
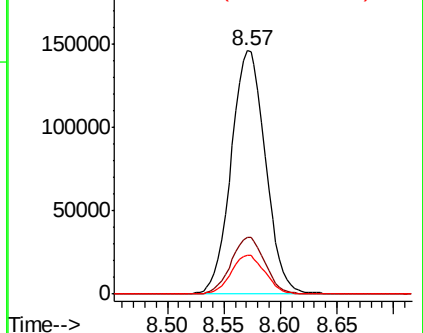
88 15.9 13.0 19.4

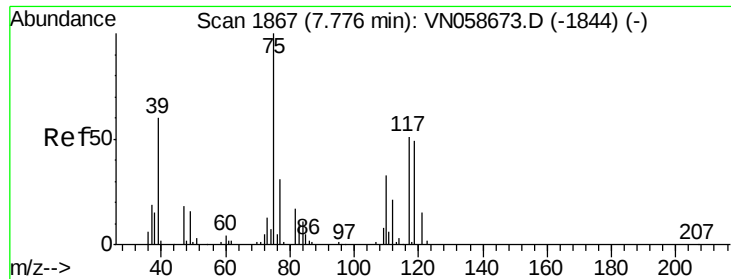


Abundance Ion 114.00 (113.70 to 114.70): VN058673.D (-2099) (-)

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

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

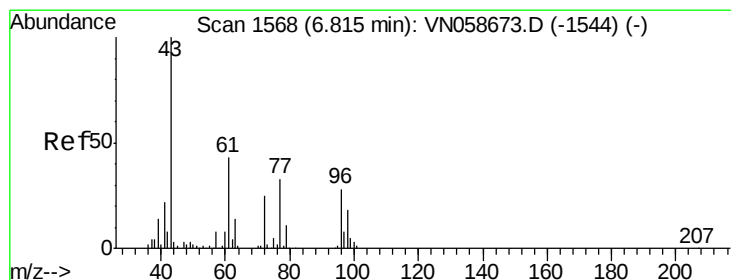
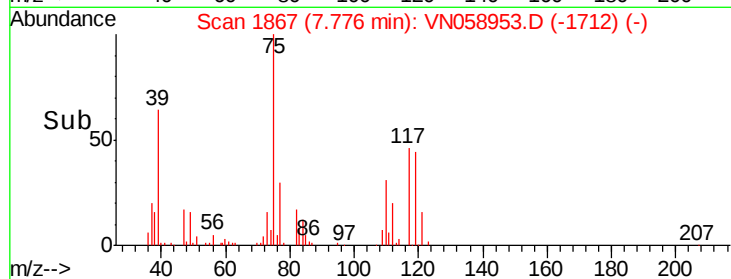
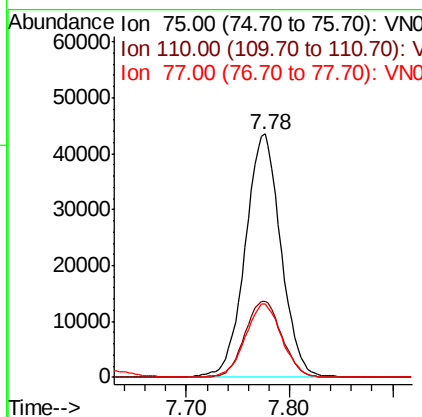
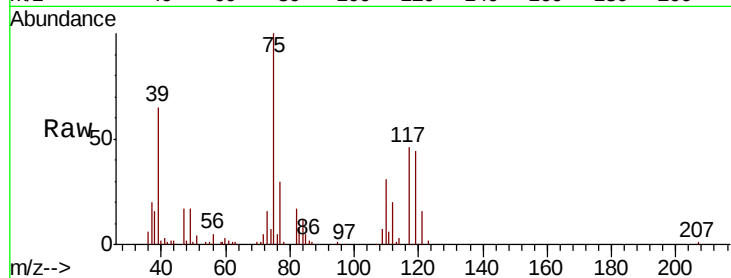




#29
 1,1-Dichloropropene
 Concen: 21.447 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

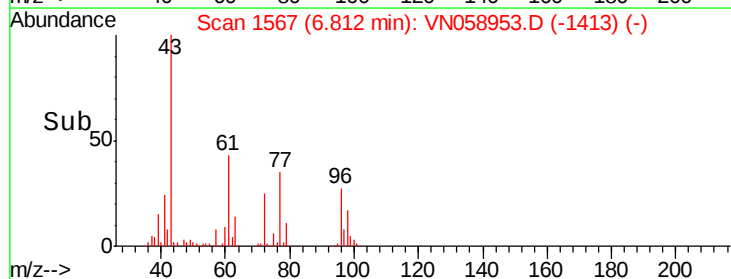
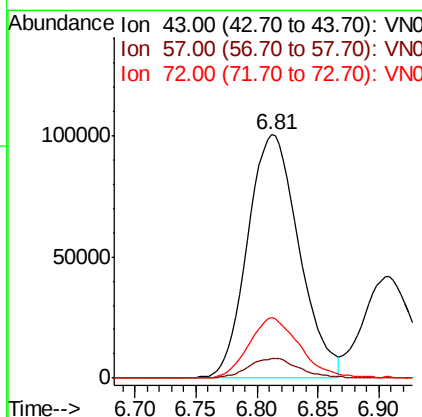
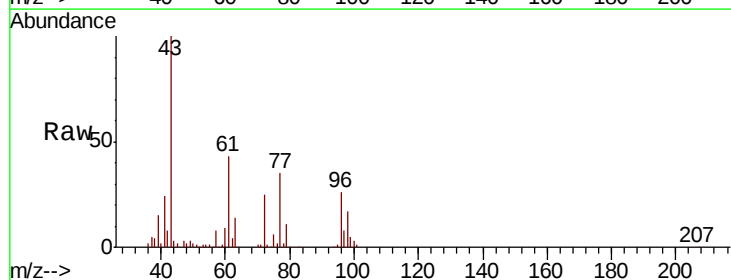
Instrument :
 MSVOA_N
 ClientSampleID :

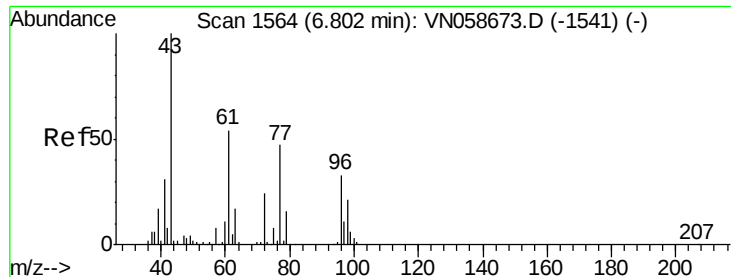
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.5	0.0	64.6
77	31.0	0.0	60.8



#30
 2-Butanone
 Concen: 106.519 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.5	9.7
72	24.7	20.1	30.1

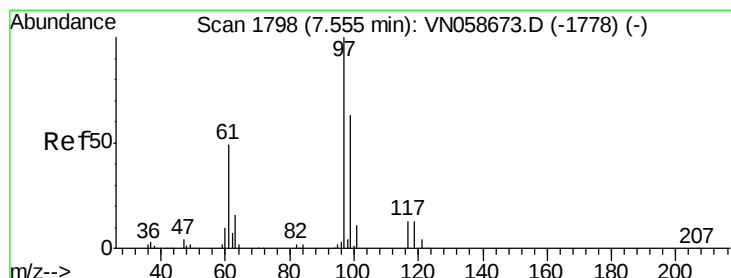
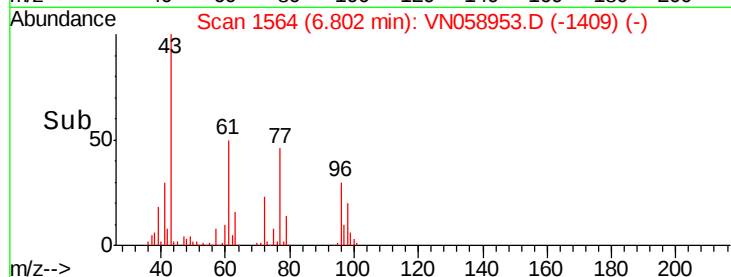
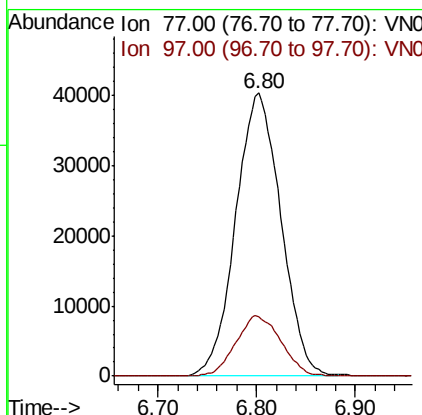
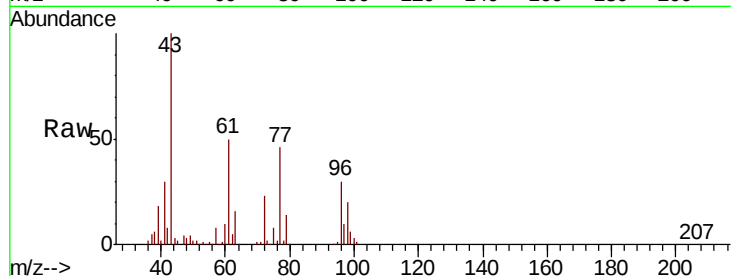




#31
 2,2-Dichloropropane
 Concen: 22.364 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

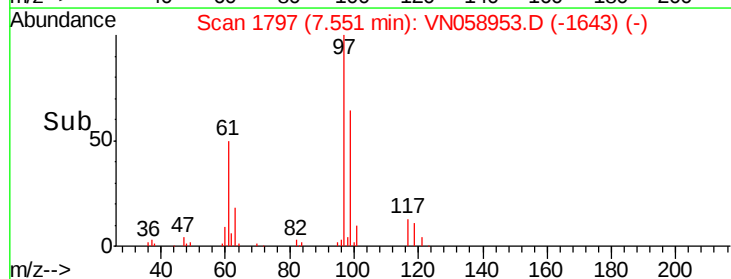
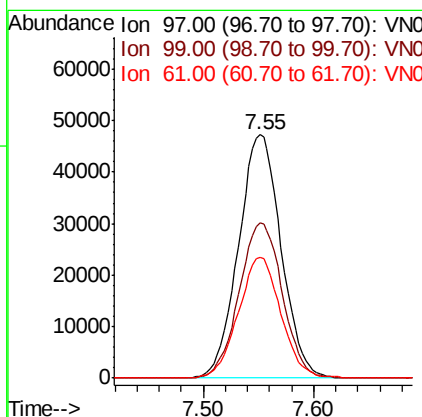
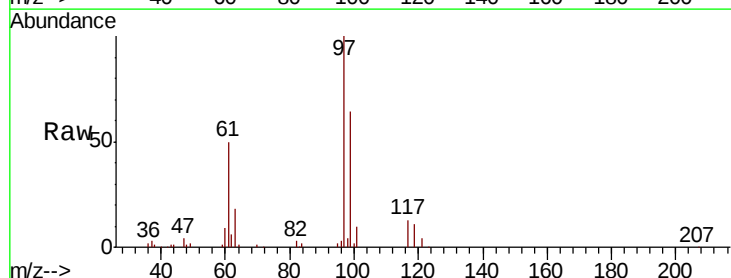
Instrument :
 MSVOA_N
 ClientSampled :

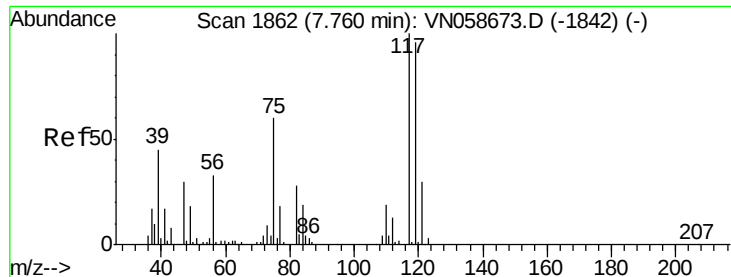
Tot Ion: 77 Resp: 128085
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 22.492 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion: 97 Resp: 126407
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 49.3 38.4 57.6

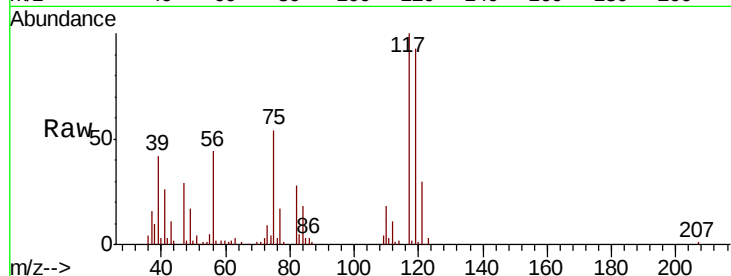




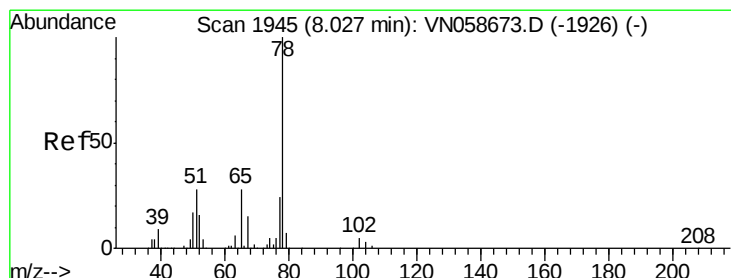
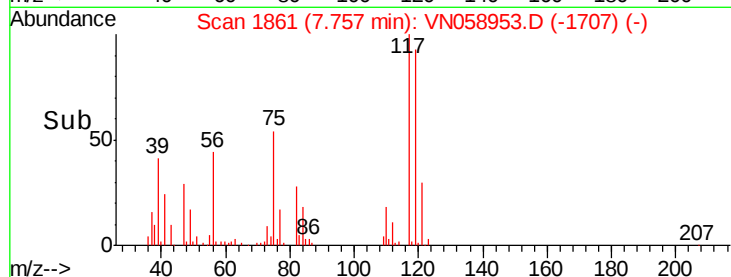
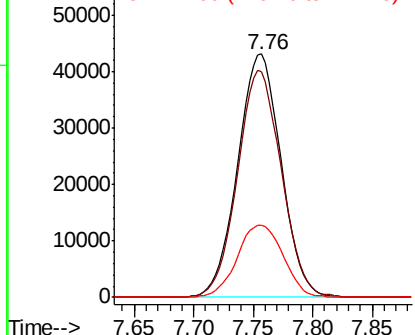
#33
Carbon Tetrachloride
Concen: 22.428 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 109101
Ion Ratio Lower Upper
117 100
119 92.7 76.9 115.3
121 29.8 23.8 35.8

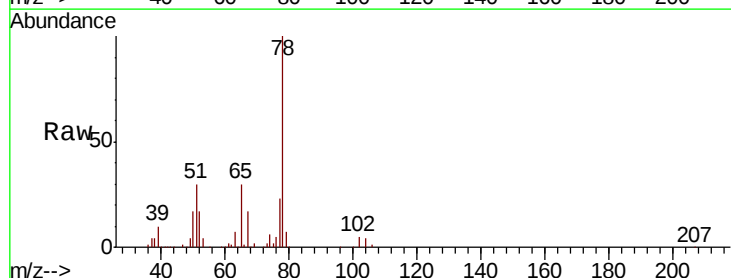


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

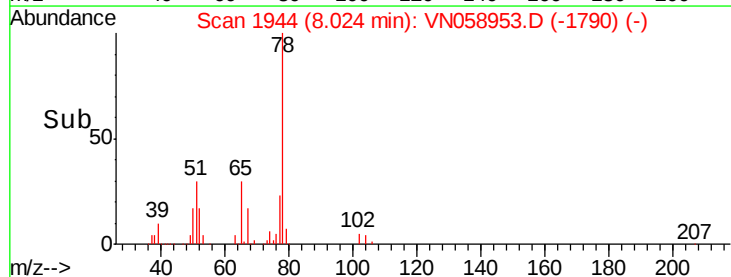
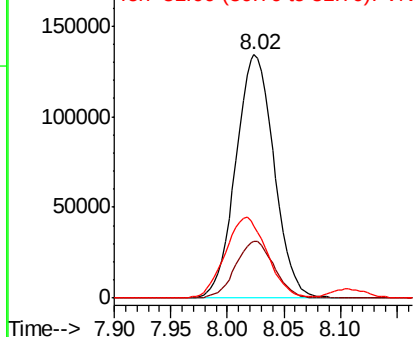


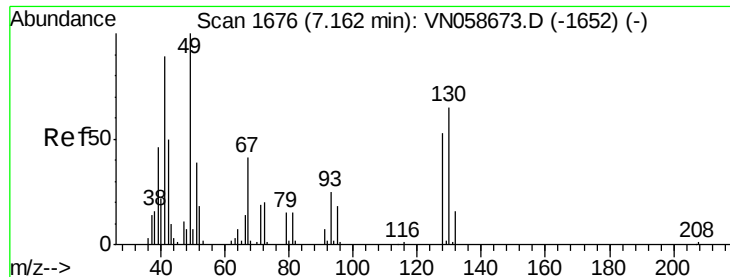
#34
Benzene
Concen: 22.076 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 78 Resp: 315809
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8
51 29.5 22.1 33.1



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

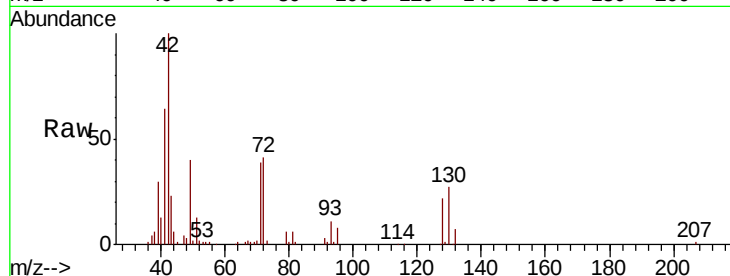




#35
Methacrylonitrile
Concen: 70.673 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.5	25.8	77.4
67	3.6	23.0	69.0#
52	2.6	10.1	30.1#



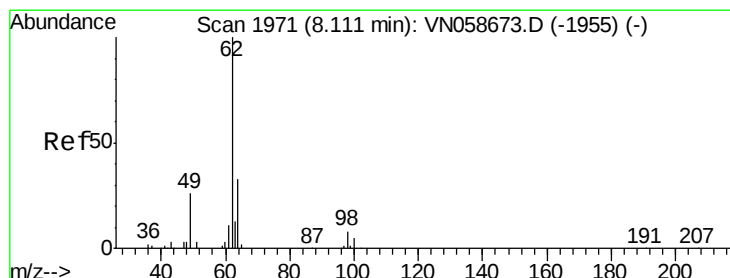
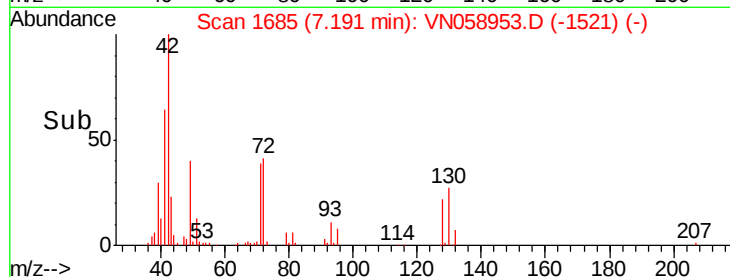
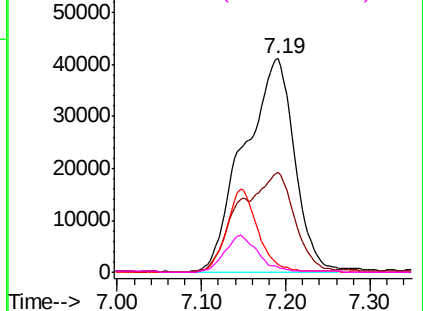
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

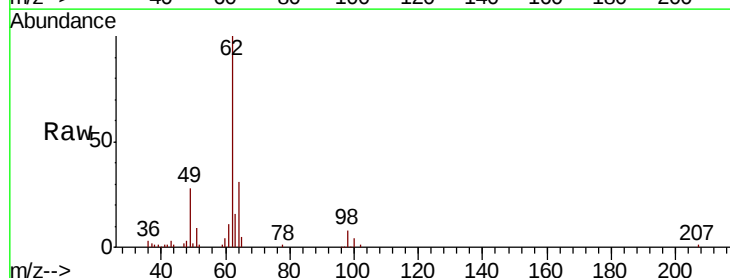
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 22.819 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

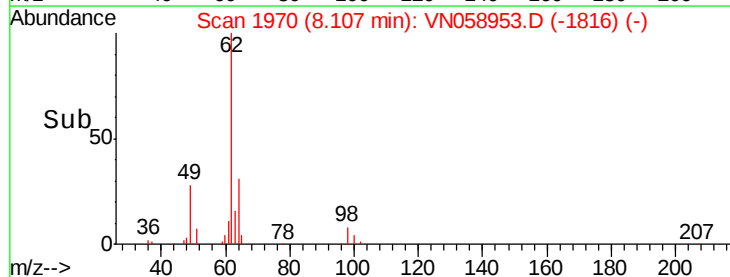
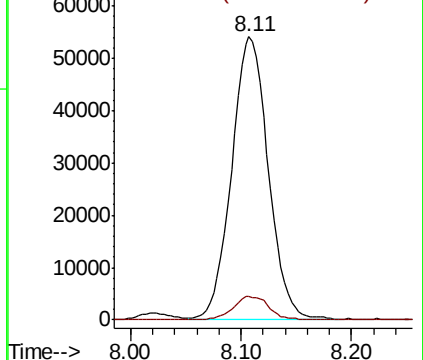
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.4	9.6

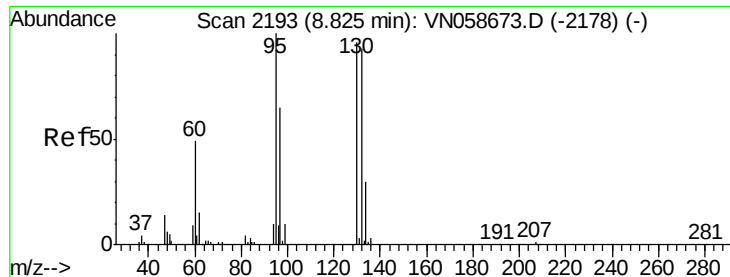


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

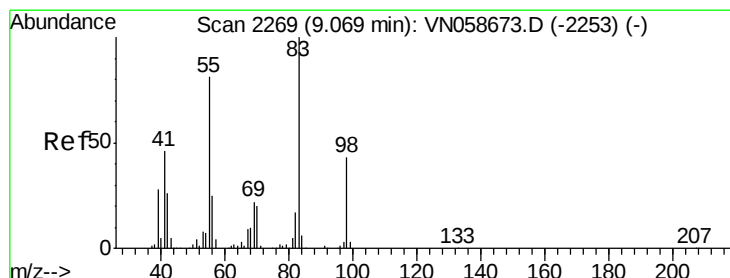
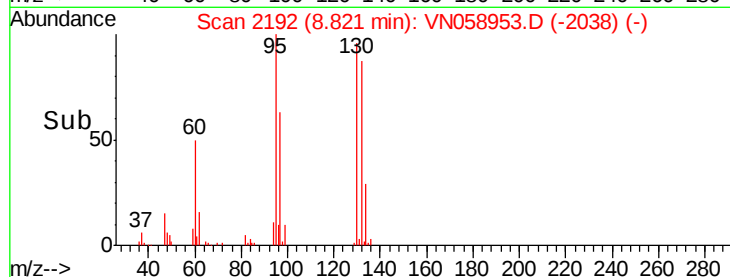
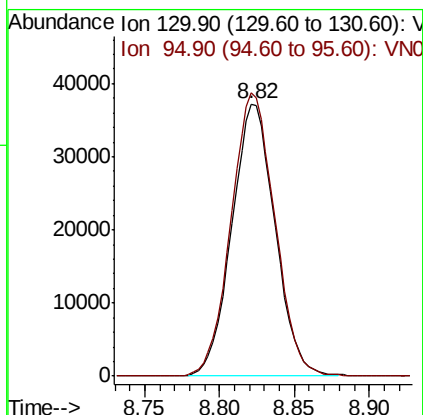
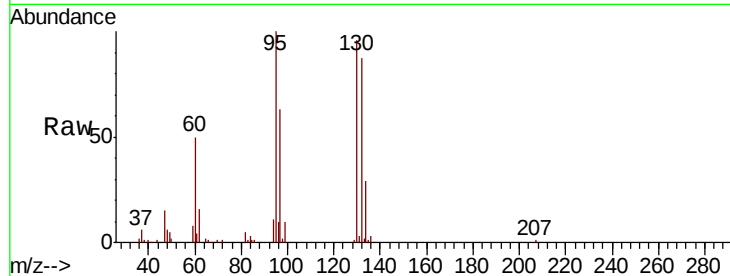




#37
 Trichloroethene
 Concen: 21.309 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

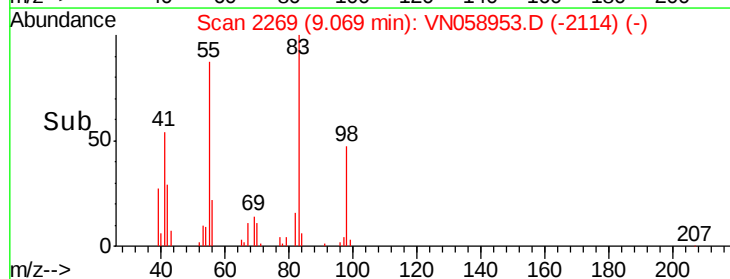
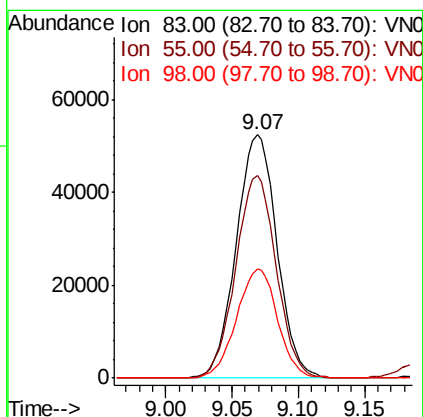
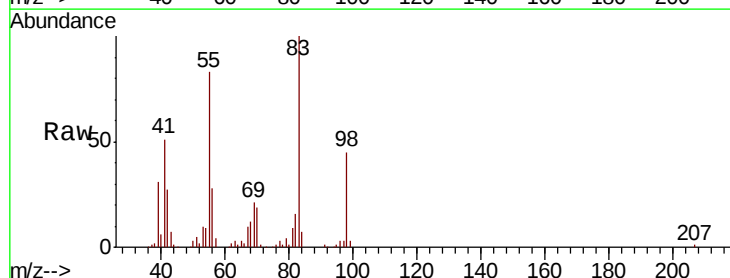
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 74888
 Ion Ratio Lower Upper
 130 100
 95 103.6 83.2 124.8



#38
 Methylcyclohexane
 Concen: 19.831 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion: 83 Resp: 111724
 Ion Ratio Lower Upper
 83 100
 55 82.8 40.4 121.1
 98 45.1 21.6 65.0

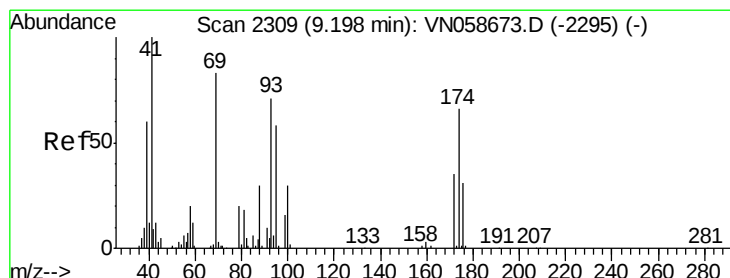
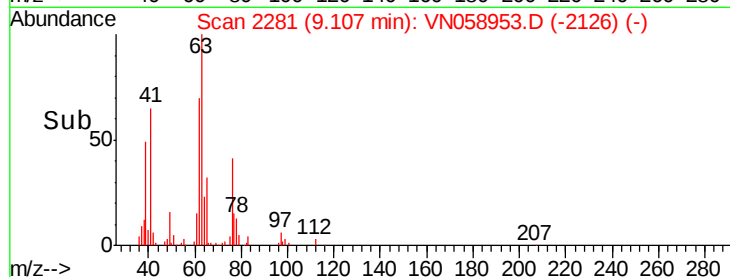
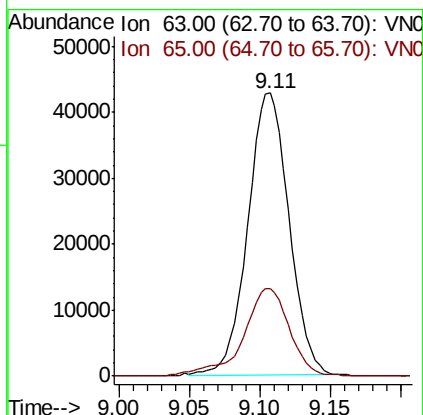
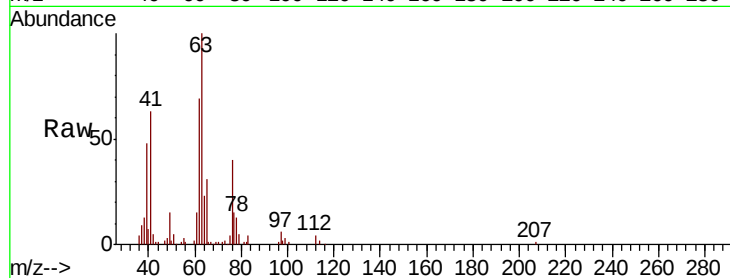




#39
 1,2-Dichloropropane
 Concen: 22.417 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

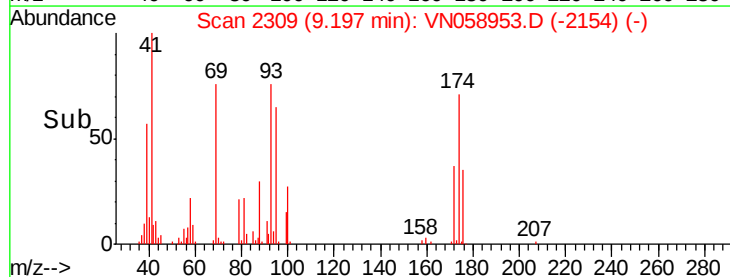
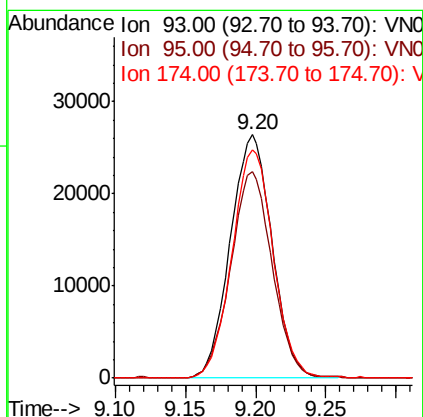
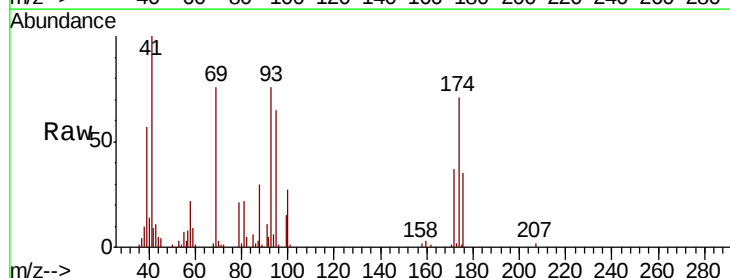
Instrument :
 MSVOA_N
 ClientSampled :

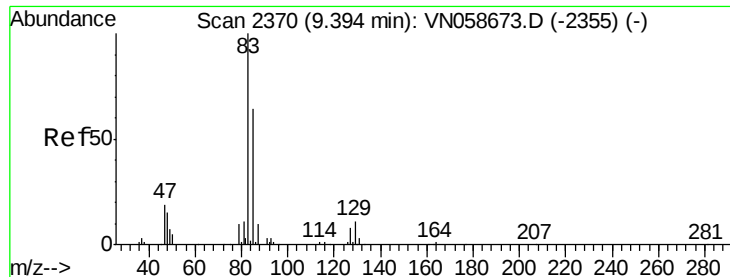
Tot Ion: 63 Resp: 87640
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6



#40
 Dibromomethane
 Concen: 22.182 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion: 93 Resp: 54743
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 167.6
 174 92.7 0.0 187.2





#41

Bromodichloromethane

Concen: 22.956 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

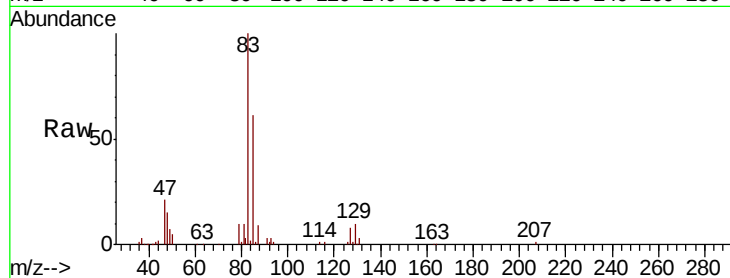
Tot Ion: 83 Resp: 115742

Ion Ratio Lower Upper

83 100

85 61.4 51.0 76.4

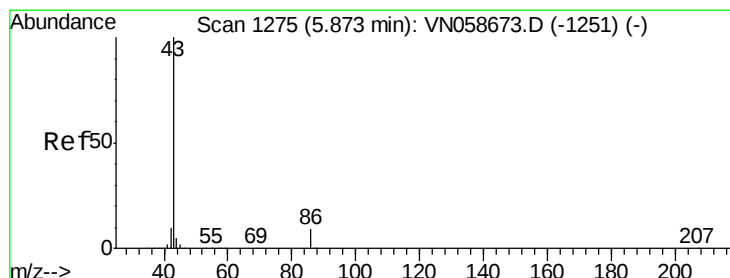
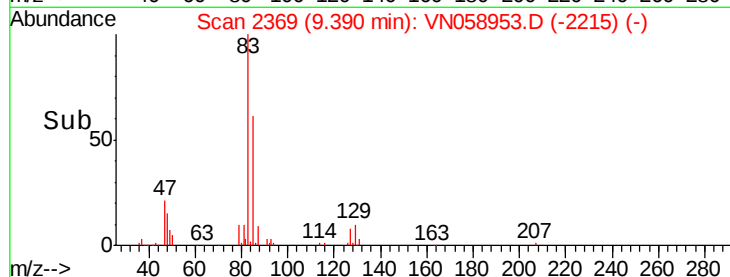
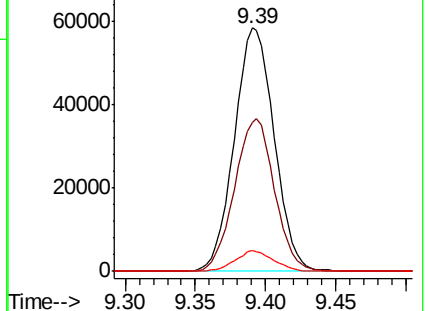
127 8.5 6.6 9.8



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) (-)



#42

Vinyl Acetate

Concen: 113.529 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058953.D

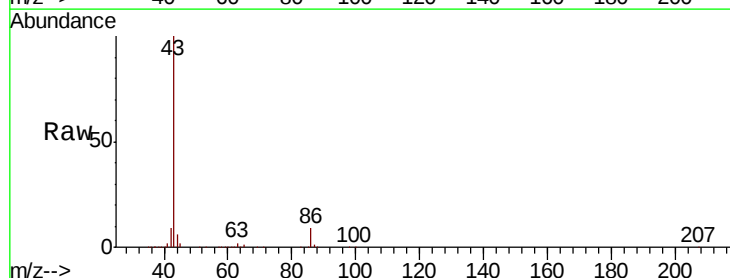
Acq: 24 Oct 2019 12:16

Tgt Ion: 43 Resp: 1091786

Ion Ratio Lower Upper

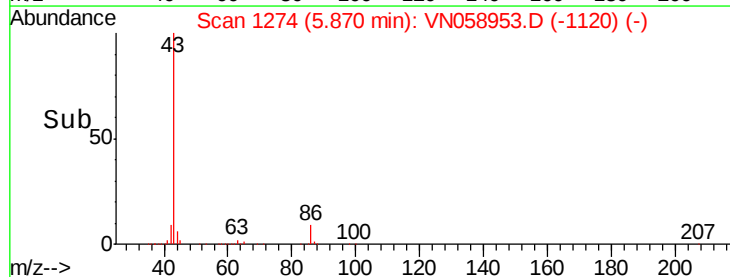
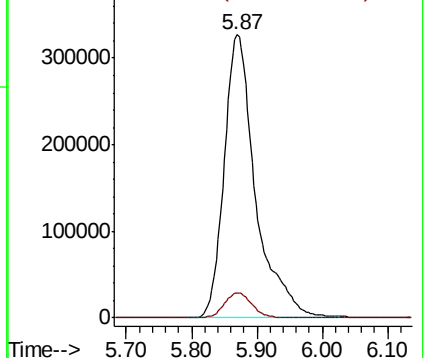
43 100

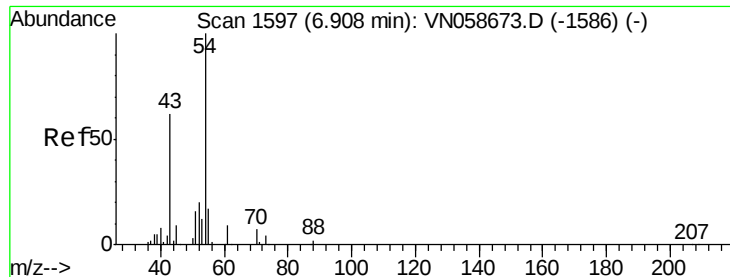
86 7.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058673.D (-1251) (-)

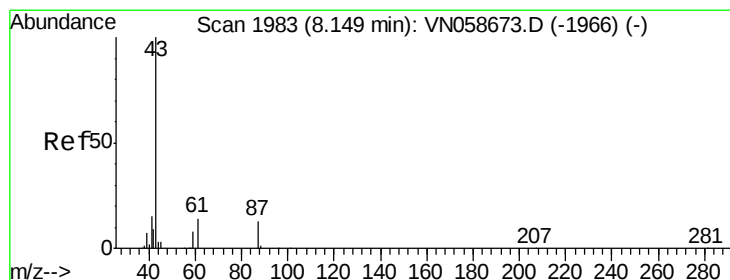
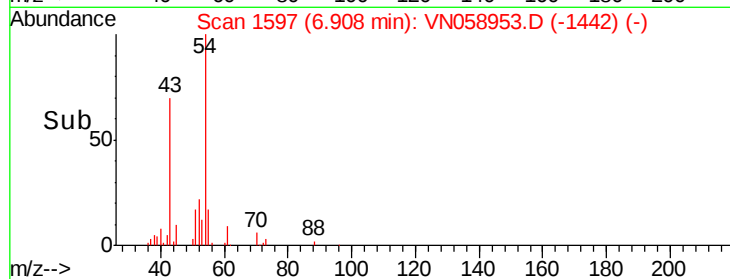
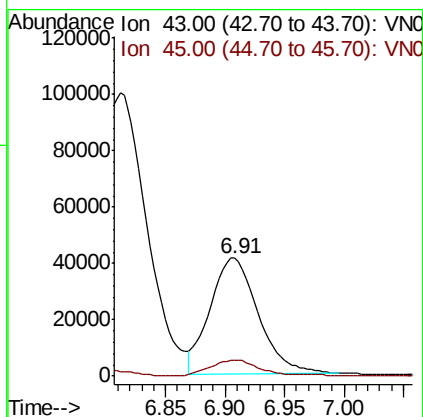
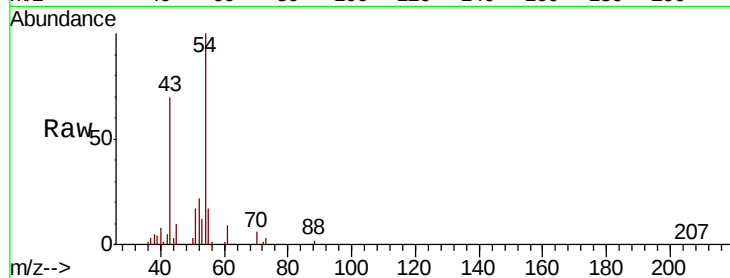




#43
Ethyl Acetate
Concen: 21.585 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

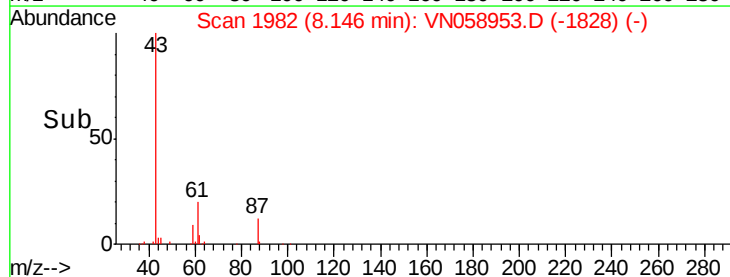
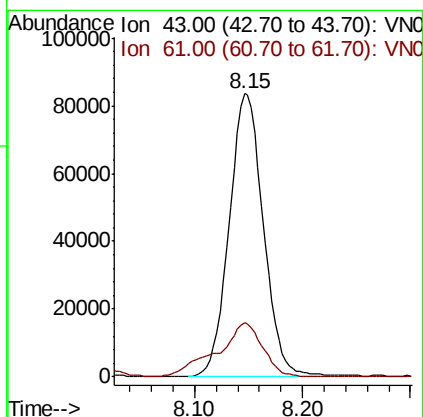
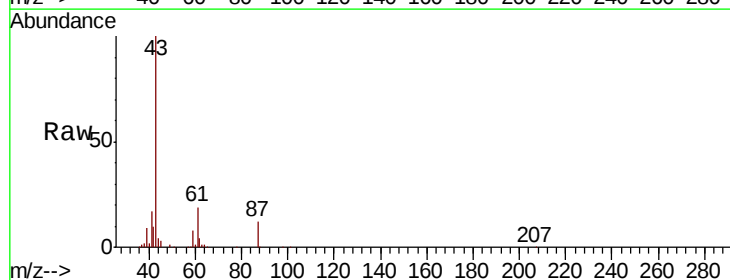
Instrument :
MSVOA_N
ClientSampled :

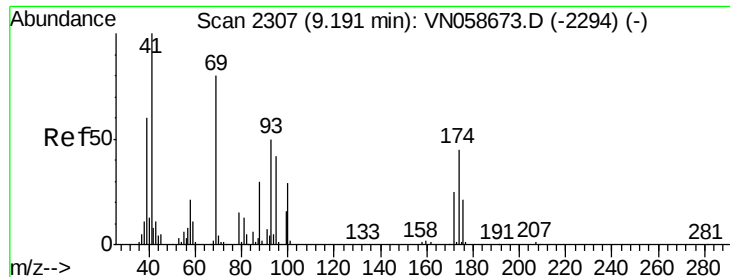
Tot Ion: 43 Resp: 116334
Ion Ratio Lower Upper
43 100
45 12.4 9.7 14.5



#44
Isopropyl Acetate
Concen: 21.086 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 43 Resp: 184077
Ion Ratio Lower Upper
43 100
61 26.0 19.9 29.9

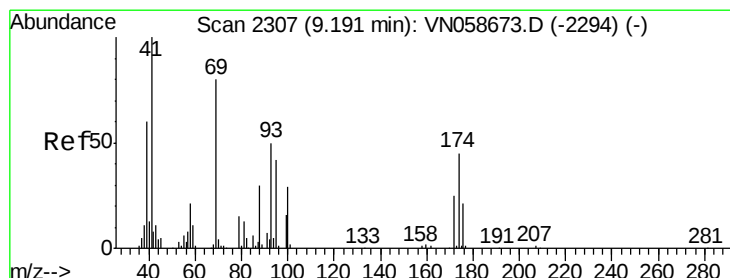
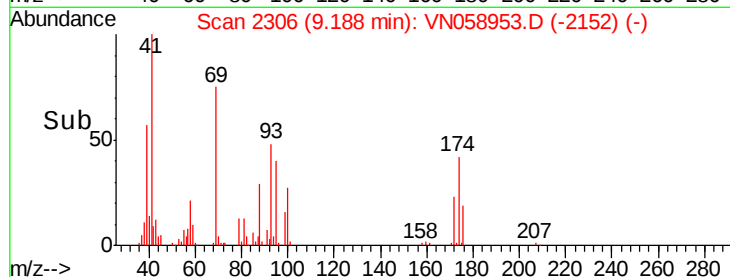
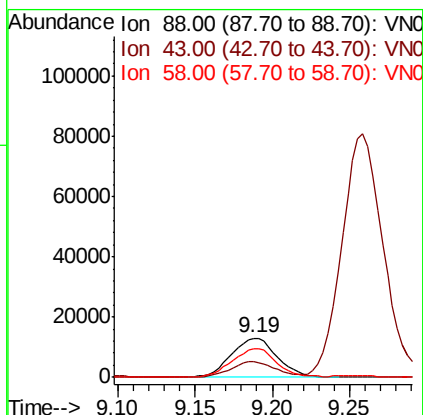
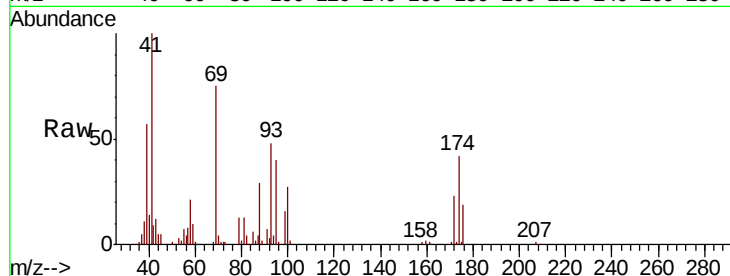




#45
1,4-Dioxane
Concen: 400.373 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

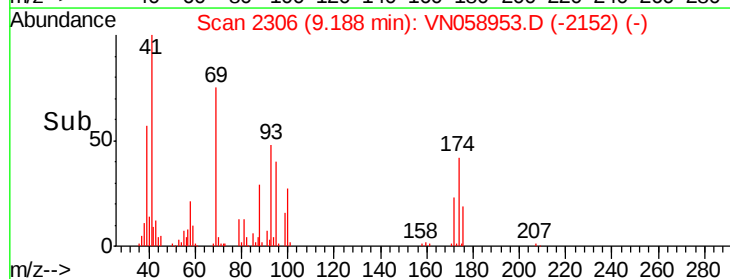
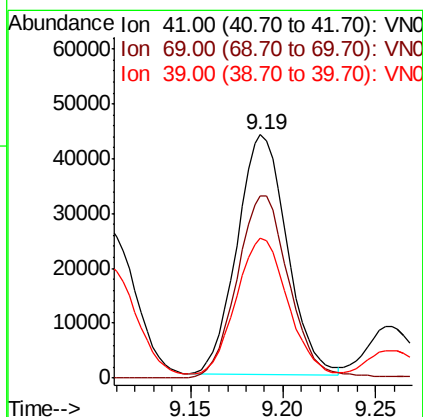
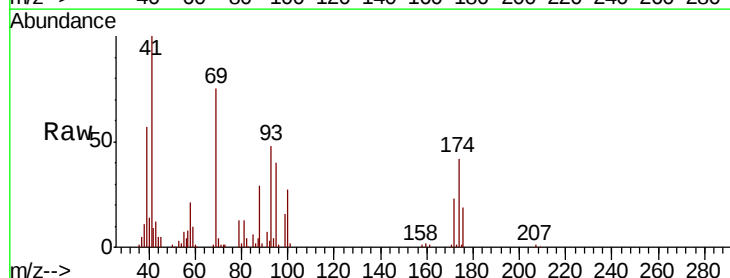
Instrument :
MSVOA_N
ClientSampleId :

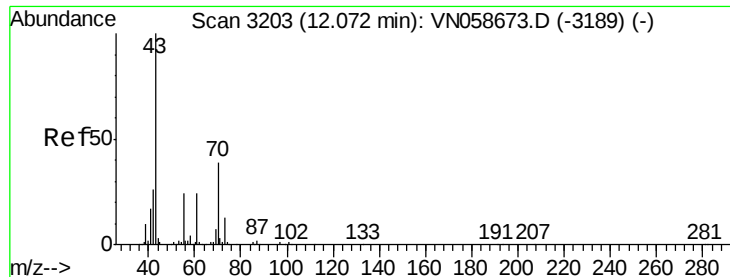
Tot Ion: 88 Resp: 26839
Ion Ratio Lower Upper
88 100
43 39.1 29.8 44.8
58 71.2 58.2 87.4



#46
Methyl methacrylate
Concen: 20.418 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 41 Resp: 81829
Ion Ratio Lower Upper
41 100
69 75.9 40.2 120.5
39 56.6 29.9 89.8

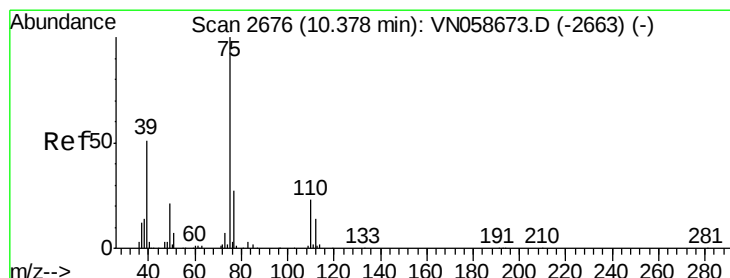
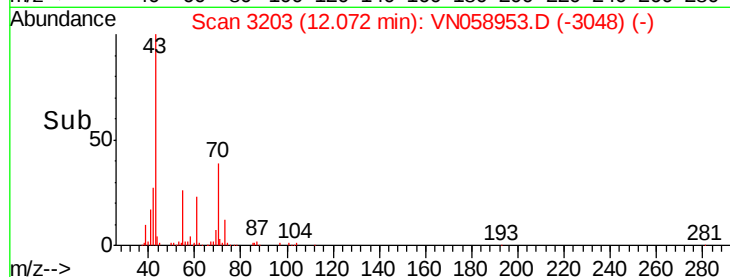
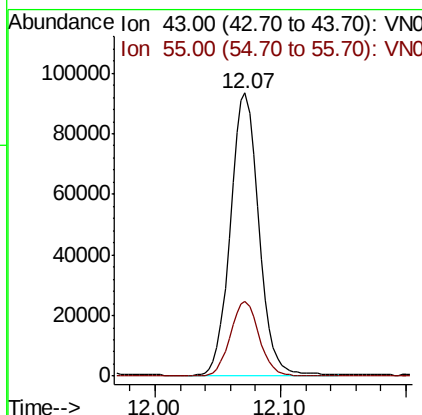
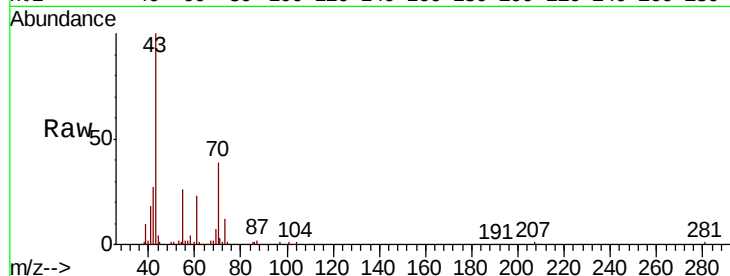




#47
n-amvl Acetate
Concen: 18.931 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

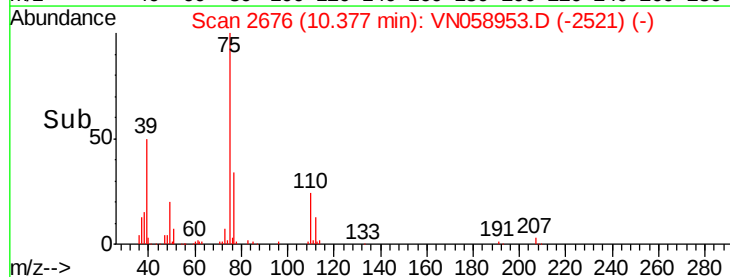
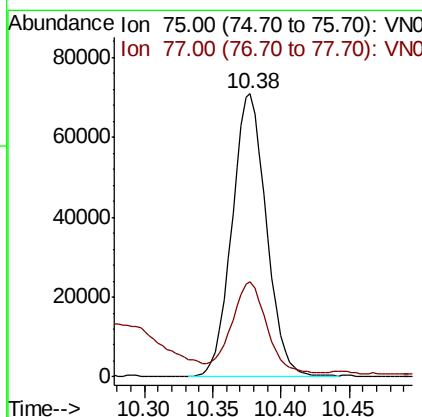
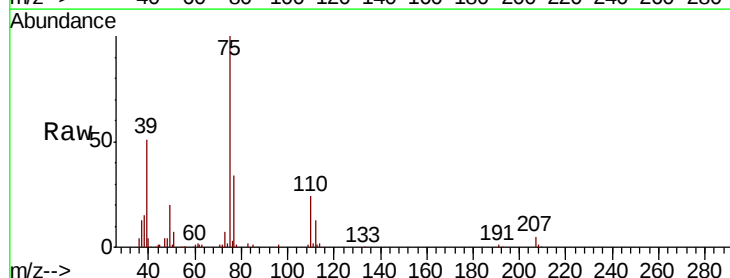
Instrument :
MSVOA_N
ClientSampleId :

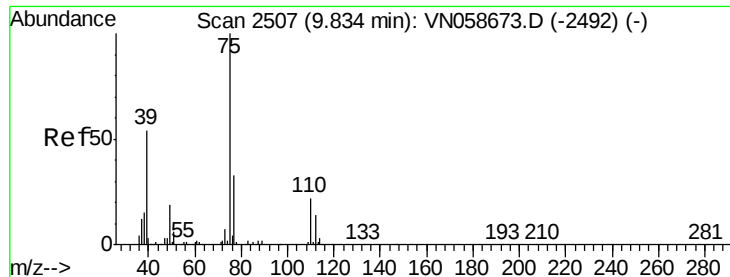
Tot Ion: 43 Resp: 146507
Ion Ratio Lower Upper
43 100
55 26.8 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 21.221 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 75 Resp: 124089
Ion Ratio Lower Upper
75 100
77 31.9 27.0 40.4



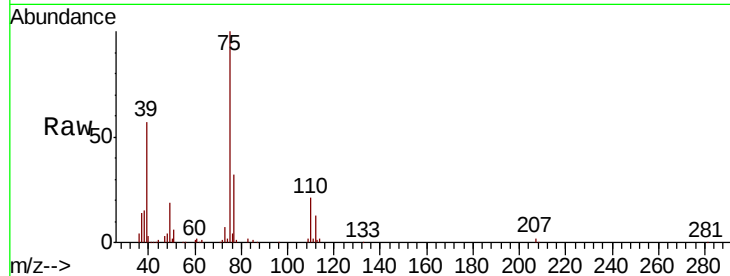


#49

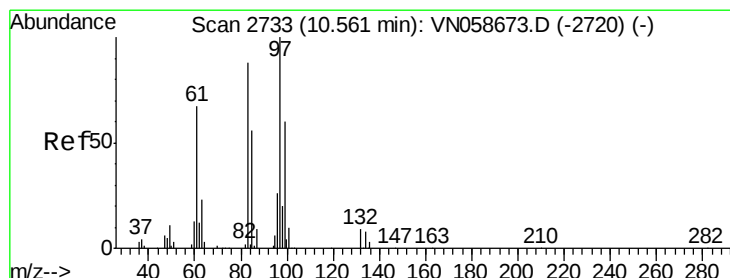
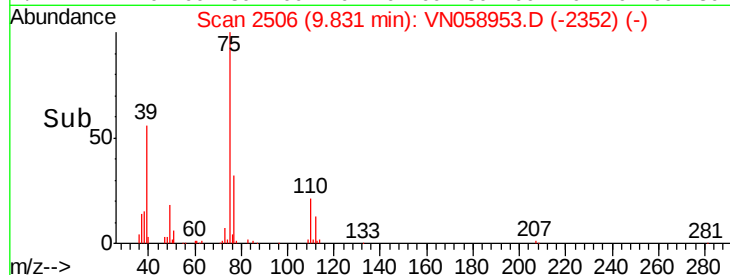
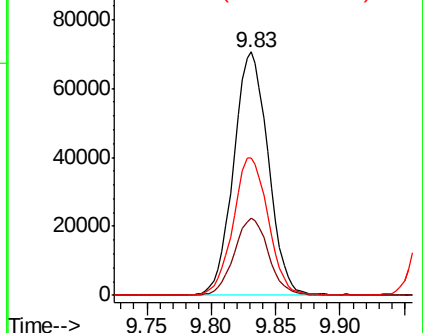
cis-1,3-Dichloropropene
 Concen: 21.518 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.1	39.1
39	56.4	43.1	64.7



Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

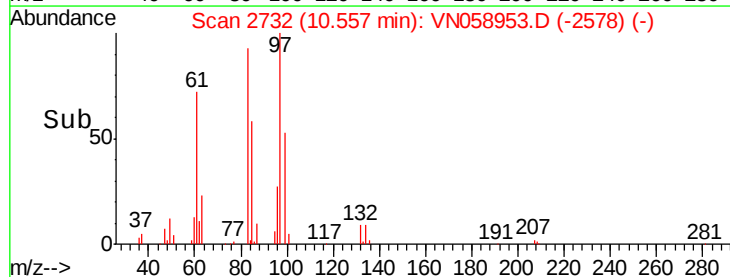
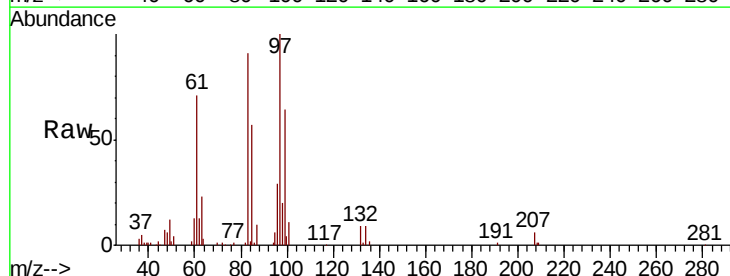
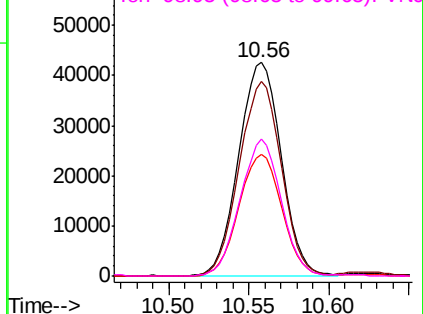


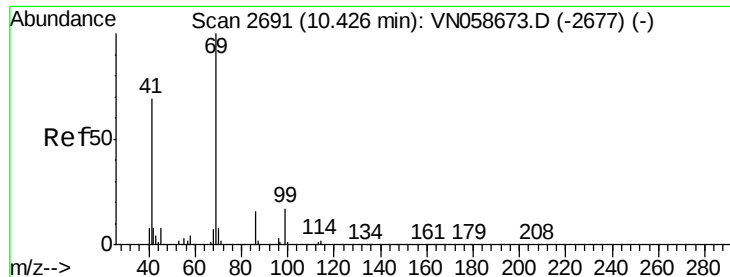
#50

1,1,2-Trichloroethane
 Concen: 22.112 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.7	106.1
85	57.0	45.1	67.7
99	63.9	48.2	72.4

Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.817 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

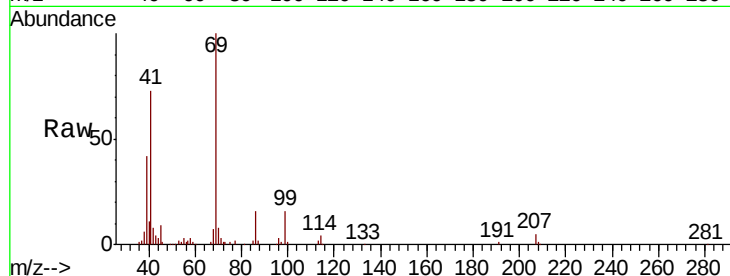
Tot Ion: 69 Resp: 111639

Ion Ratio Lower Upper

69 100

41 72.1 34.7 104.1

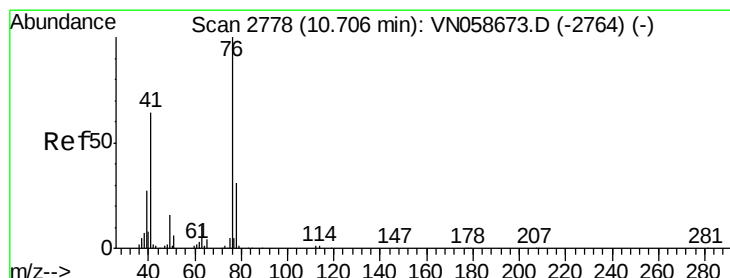
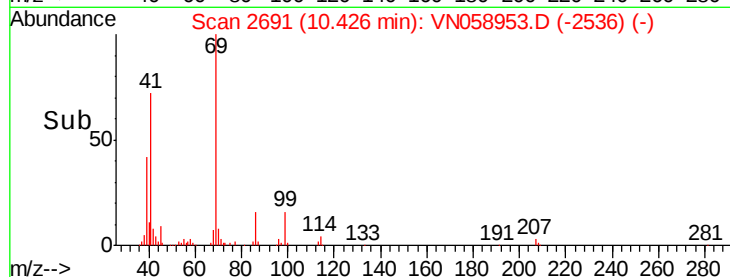
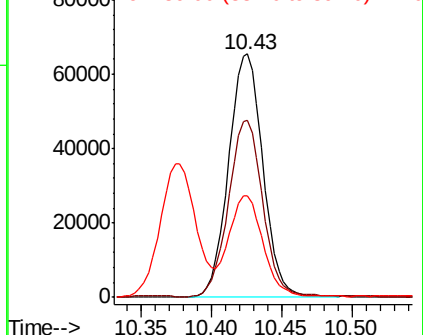
39 41.2 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.544 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058953.D

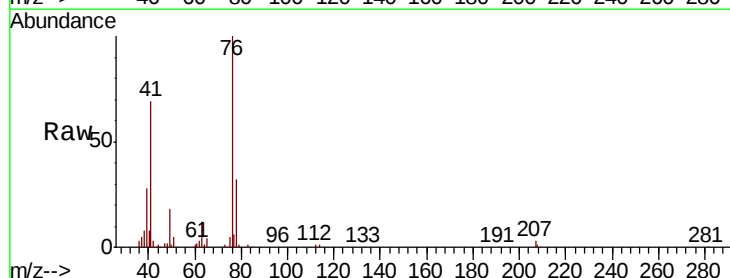
Acq: 24 Oct 2019 12:16

Tgt Ion: 76 Resp: 135172

Ion Ratio Lower Upper

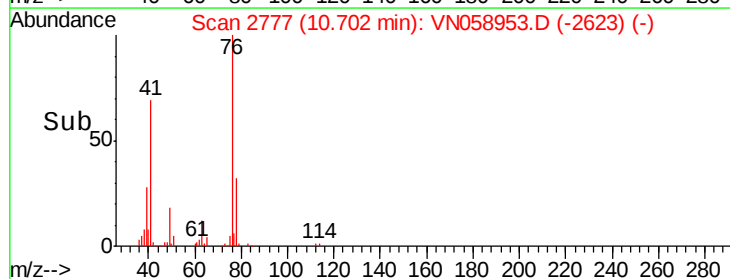
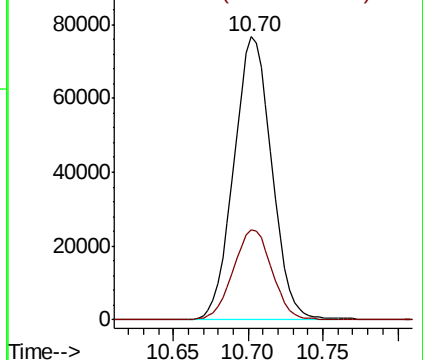
76 100

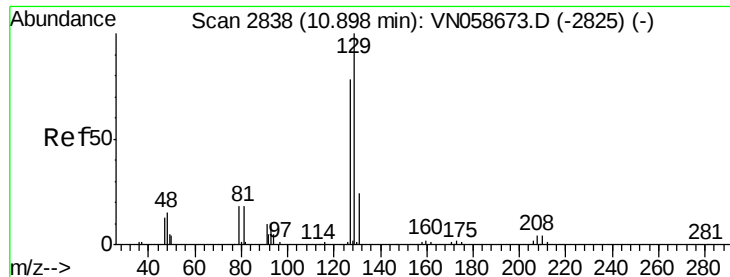
78 32.6 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 21.696 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

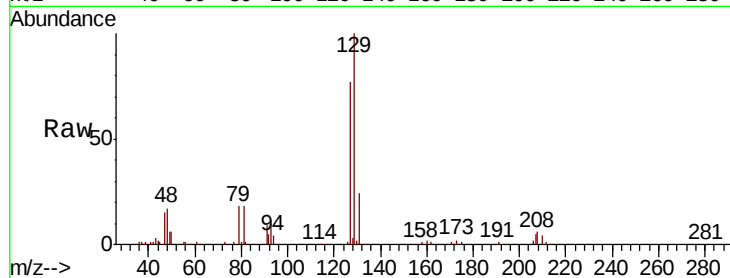
ClientSampleId :

Tot Ion:129 Resp: 82033

Ion Ratio Lower Upper

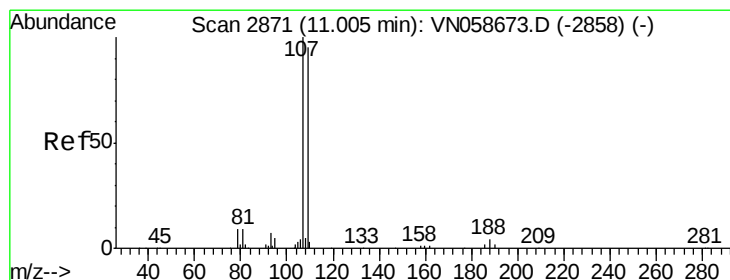
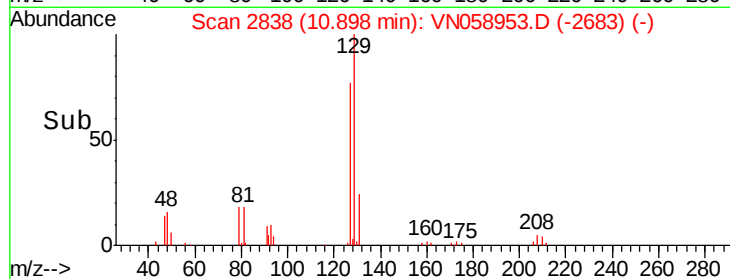
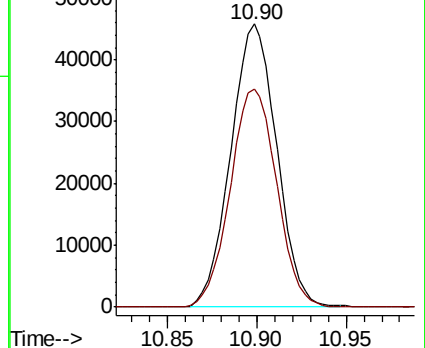
129 100

127 77.9 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.754 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058953.D

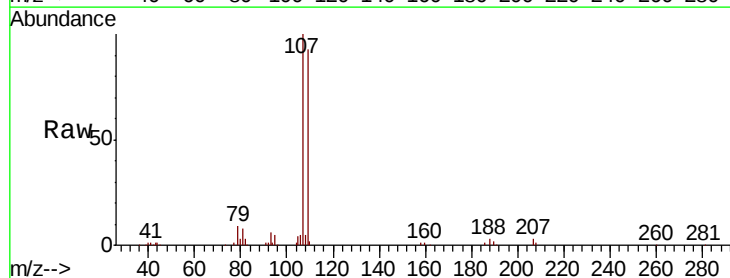
Acq: 24 Oct 2019 12:16

Tgt Ion:107 Resp: 79442

Ion Ratio Lower Upper

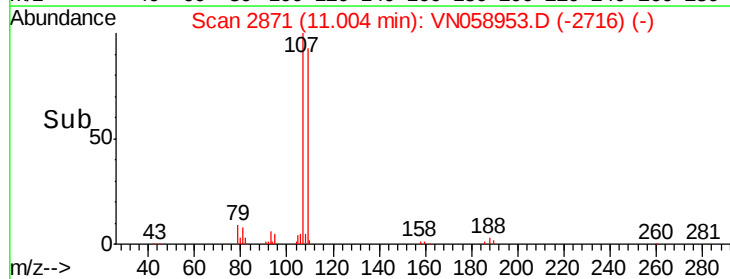
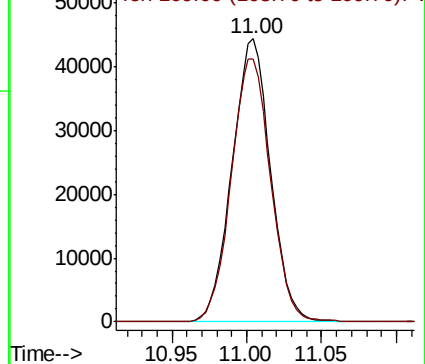
107 100

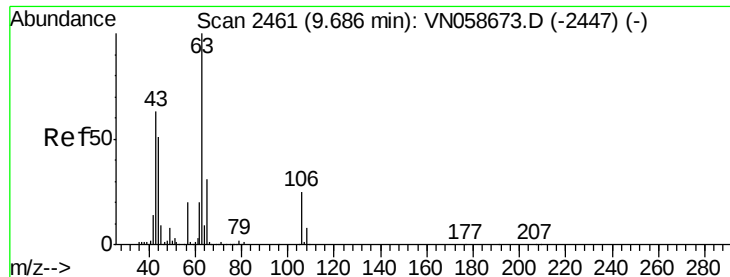
109 95.0 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 94.869 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

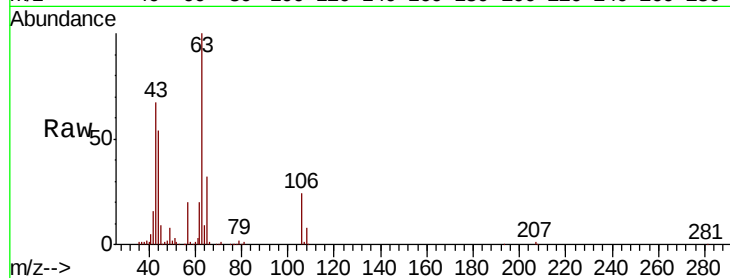
Tot Ion: 63 Resp: 265853

Ion Ratio Lower Upper

63 100

65 31.8 25.3 37.9

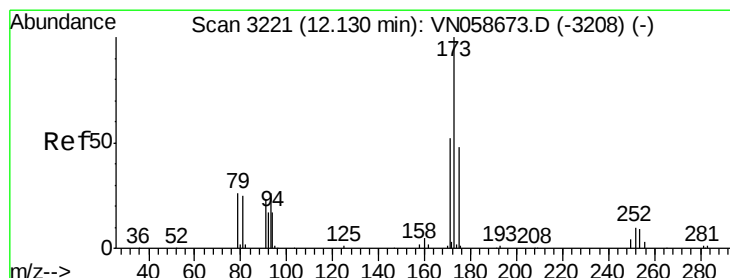
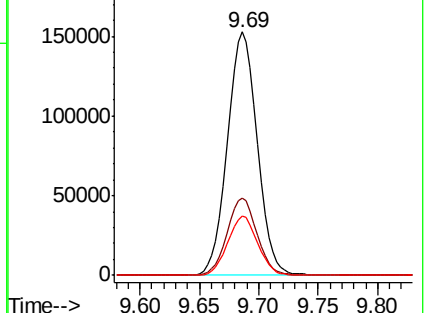
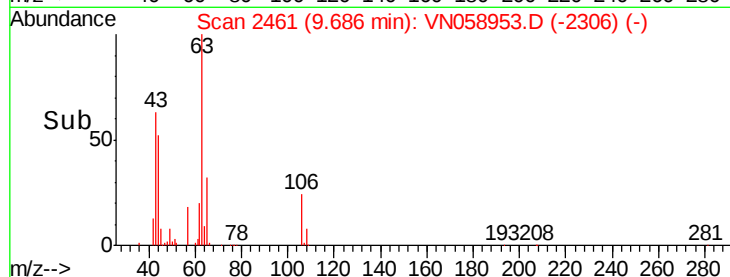
106 24.4 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN058953.D (-2306) (-)

Ion 65.00 (64.70 to 65.70): VN058953.D (-2306) (-)

Ion 106.00 (105.70 to 106.70): VN058953.D (-2306) (-)



#56

Bromoform

Concen: 22.144 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

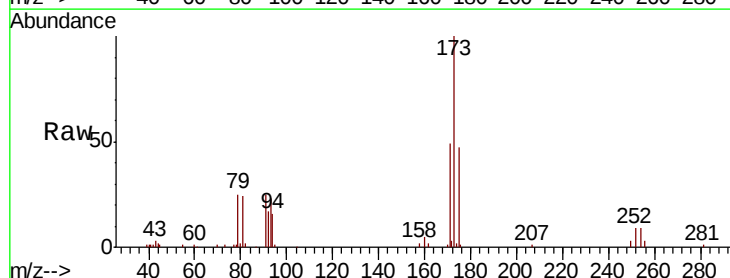
Tgt Ion: 173 Resp: 58326

Ion Ratio Lower Upper

173 100

175 47.2 38.7 58.1

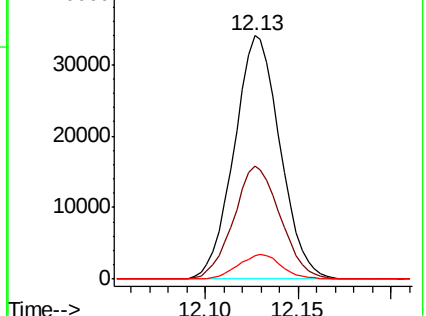
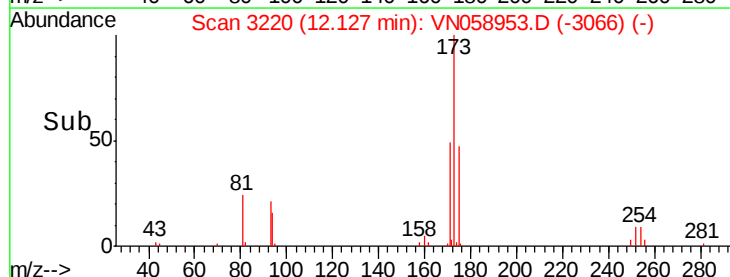
254 9.6 7.4 11.2

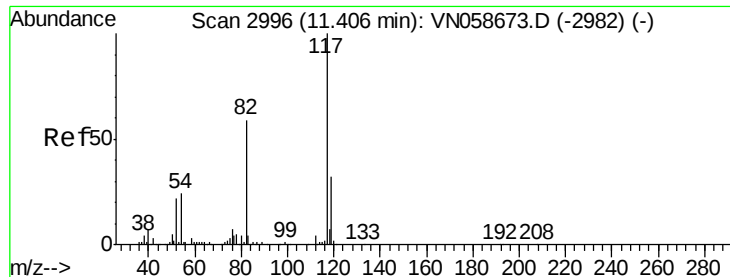


Abundance Ion 173.00 (172.70 to 173.70): VN058953.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN058953.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN058953.D (-3066) (-)

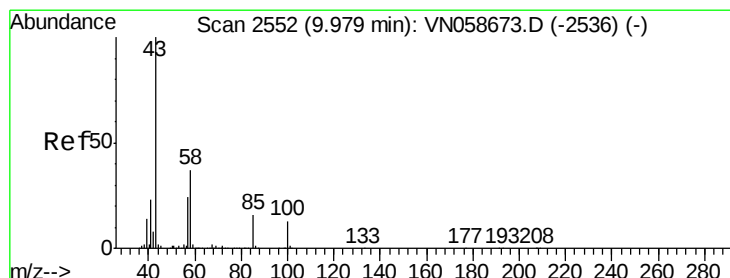
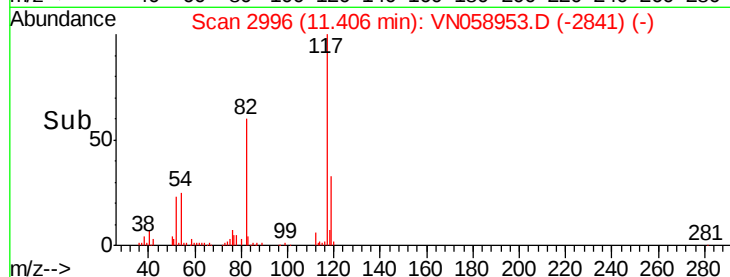
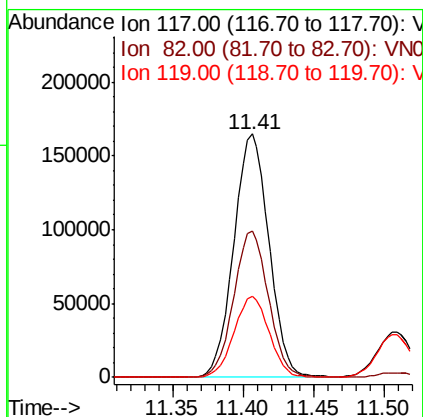
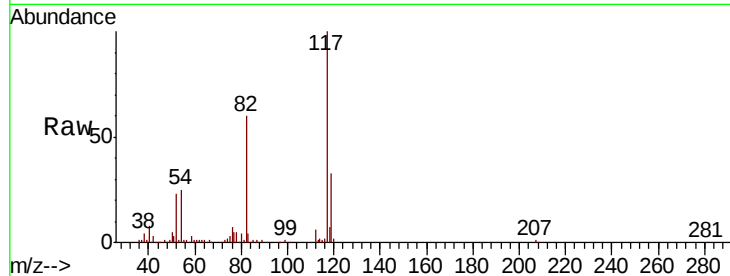




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

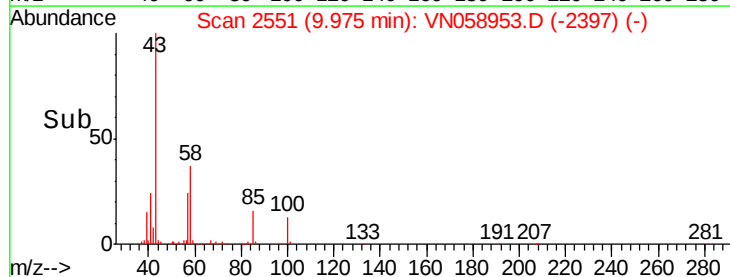
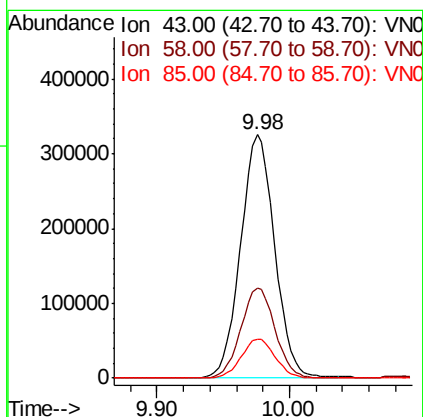
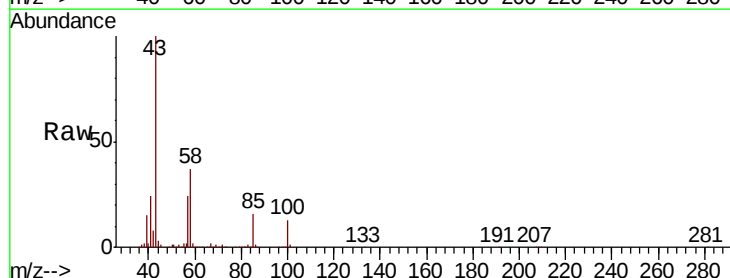
Instrument :
MSVOA_N
ClientSampleId :

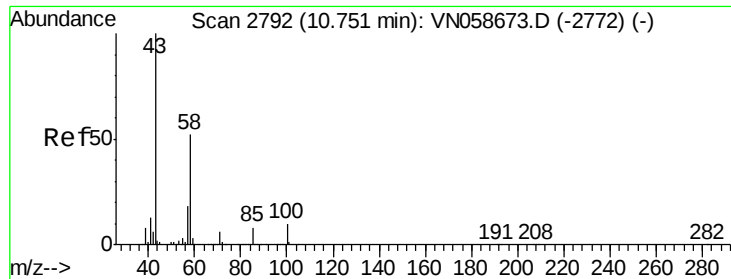
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.9	70.3
119	33.3	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 110.170 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1
85	15.9	13.2	19.8

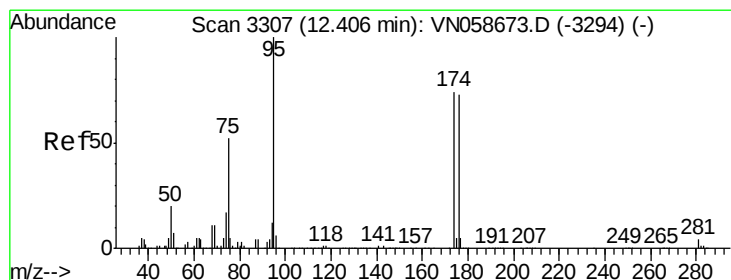
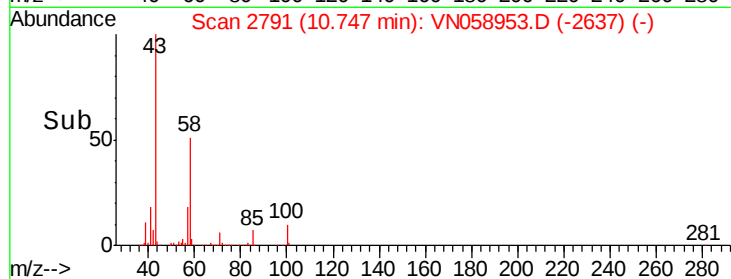
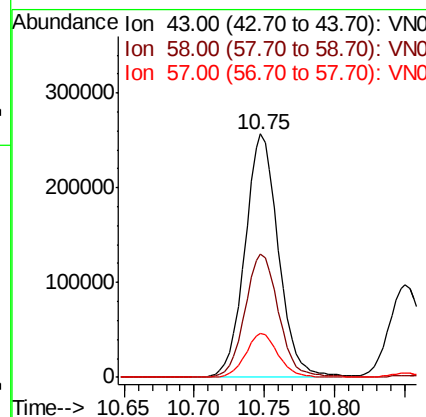
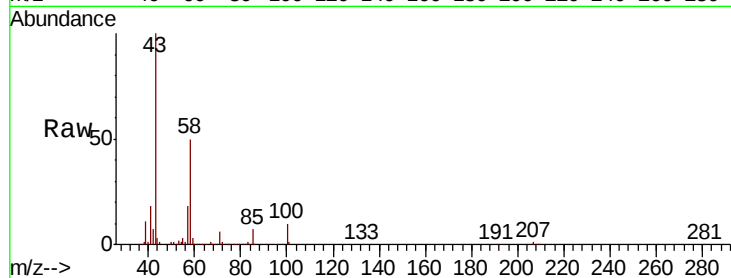




#59
2-Hexanone
Concen: 103.263 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

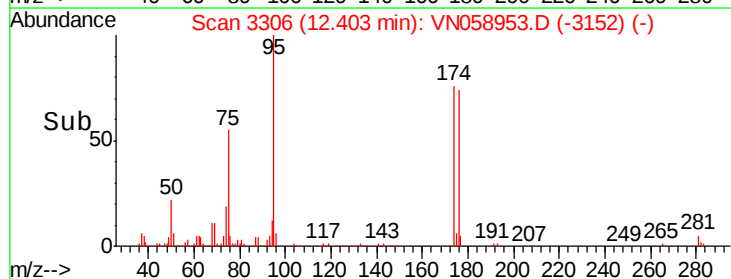
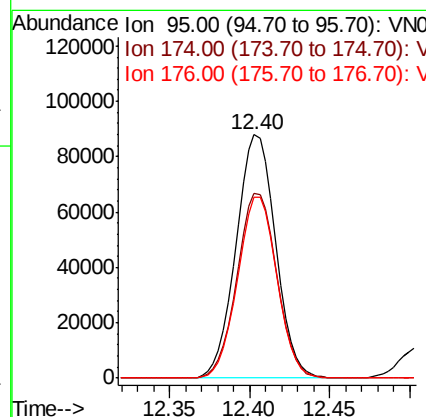
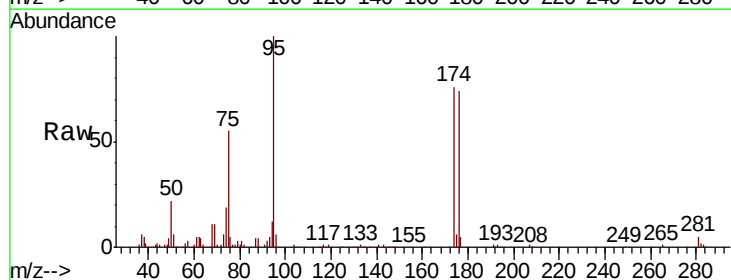
Instrument :
MSVOA_N
ClientSampleId :

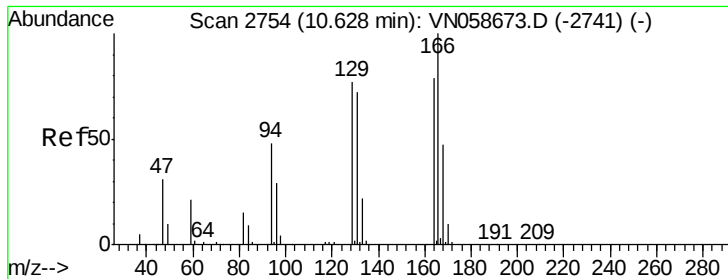
Tot Ion: 43 Resp: 425740
Ion Ratio Lower Upper
43 100
58 51.3 41.4 62.0
57 17.9 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.344 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 95 Resp: 147972
Ion Ratio Lower Upper
95 100
174 76.3 59.9 89.9
176 73.8 58.3 87.5

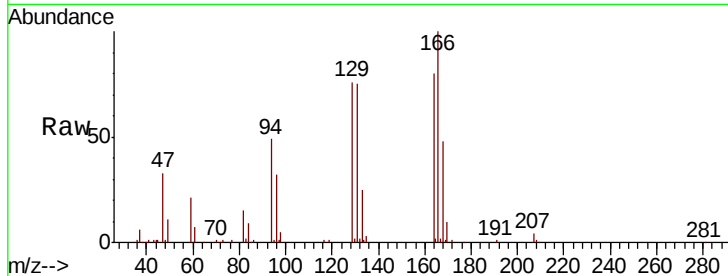




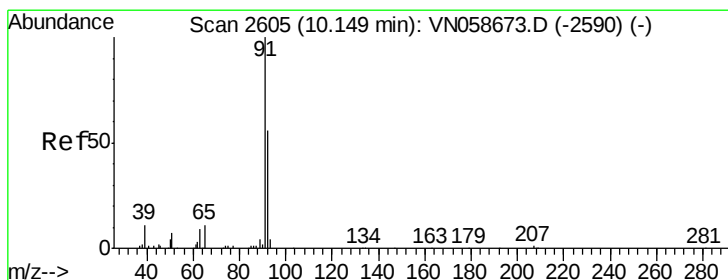
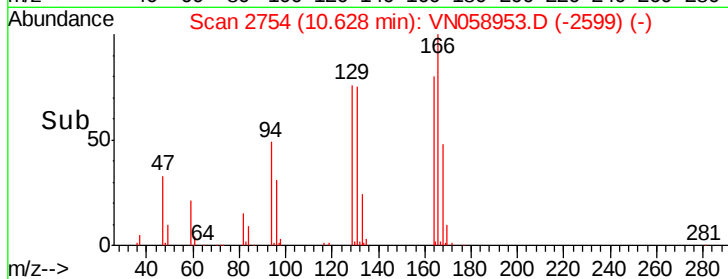
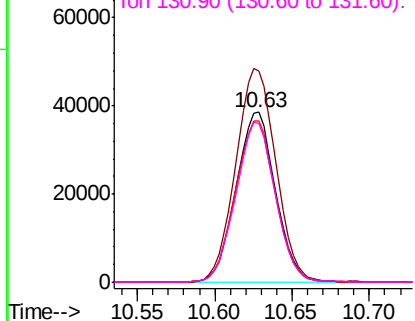
#61
Tetrachloroethene
Concen: 22.011 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:164 Resp: 68569
Ion Ratio Lower Upper
164 100
166 124.7 101.4 152.2
129 95.1 78.1 117.1
131 93.3 73.2 109.8

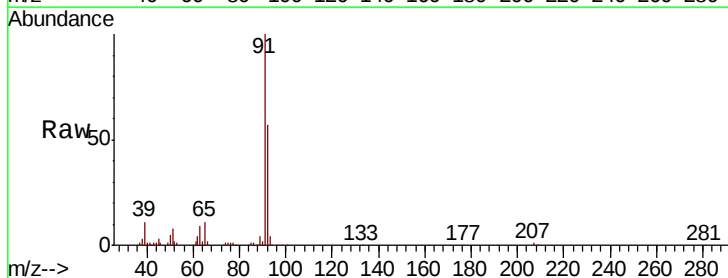


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

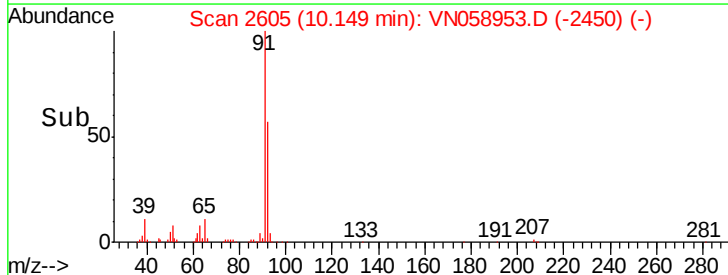
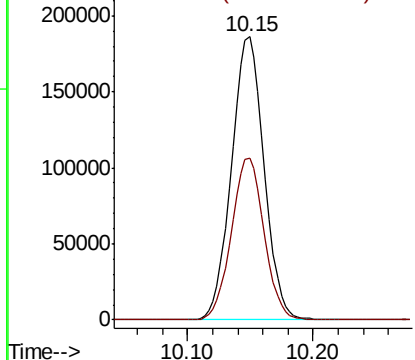


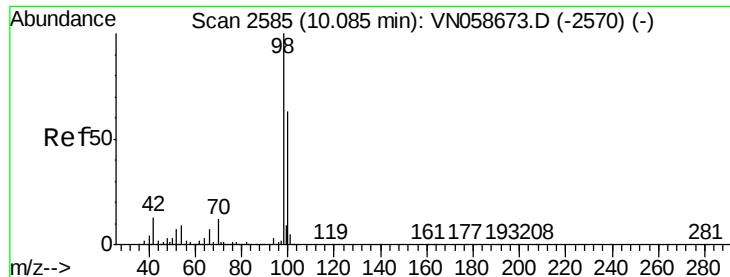
#62
Toluene
Concen: 21.632 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 91 Resp: 335445
Ion Ratio Lower Upper
91 100
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.881 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

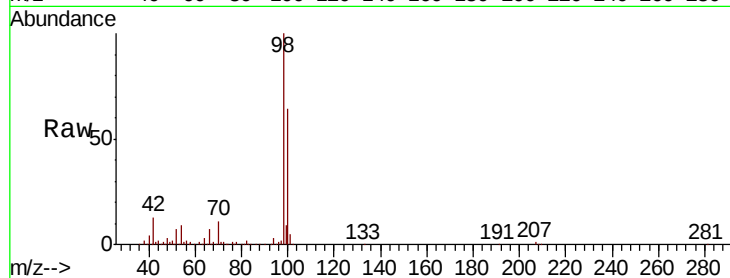
ClientSampleId :

Tot Ion: 98 Resp: 420328

Ion Ratio Lower Upper

98 100

100 64.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN058673.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058673.D (-2570) (-)

10.08

250000

200000

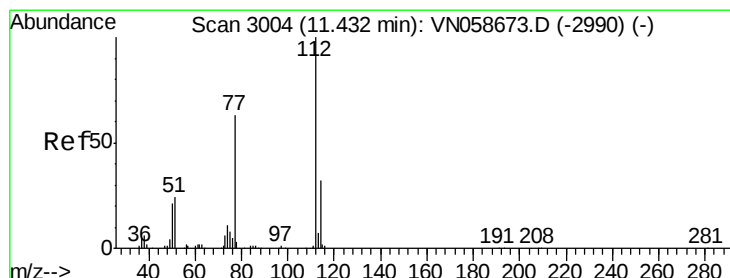
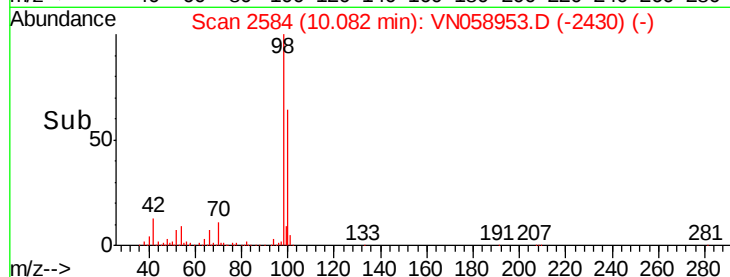
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 21.205 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058953.D

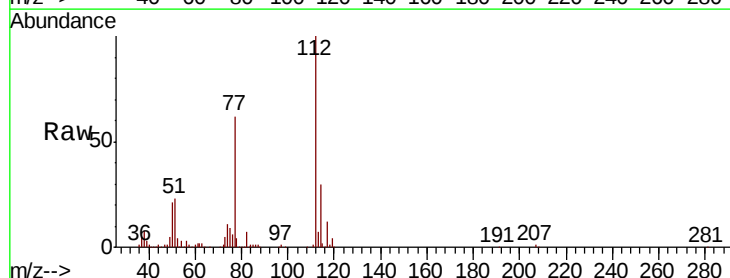
Acq: 24 Oct 2019 12:16

Tgt Ion: 112 Resp: 201029

Ion Ratio Lower Upper

112 100

114 30.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058673.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN058673.D (-2990) (-)

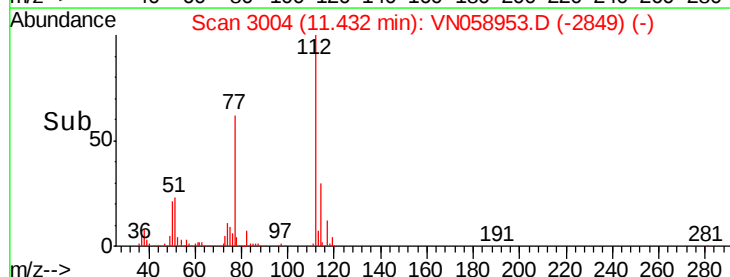
11.43

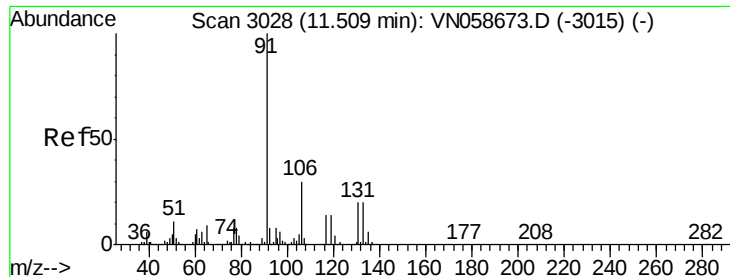
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 22.027 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

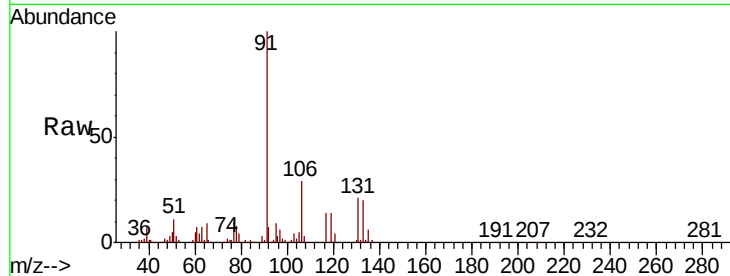
Tot Ion:131 Resp: 78304

Ion Ratio Lower Upper

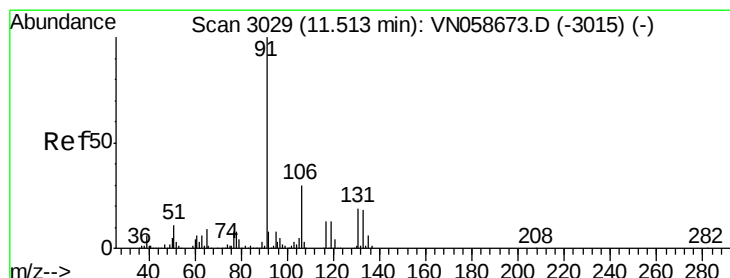
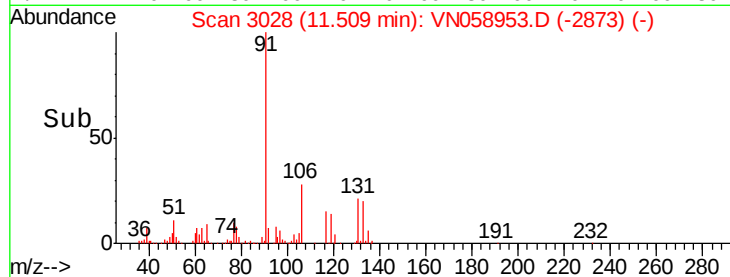
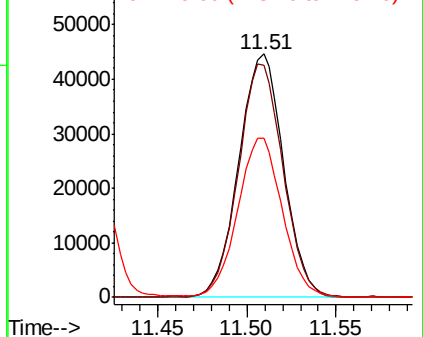
131 100

133 95.9 0.0 194.0

119 65.4 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.701 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058953.D

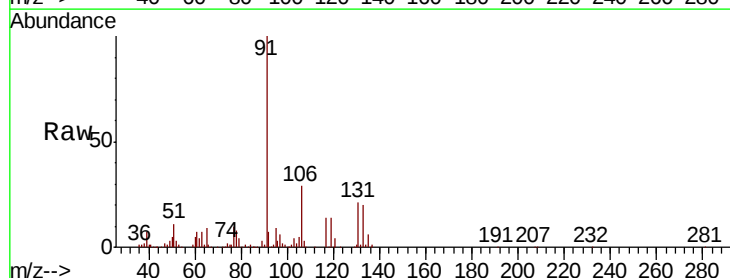
Acq: 24 Oct 2019 12:16

Tgt Ion: 91 Resp: 355442

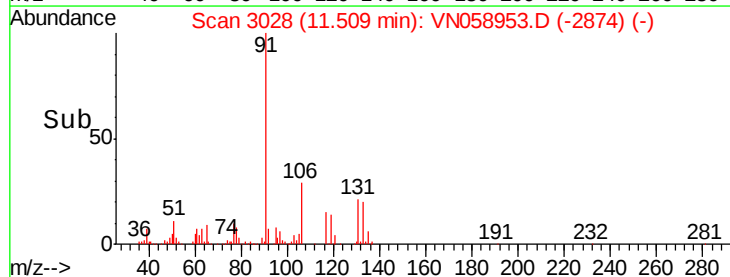
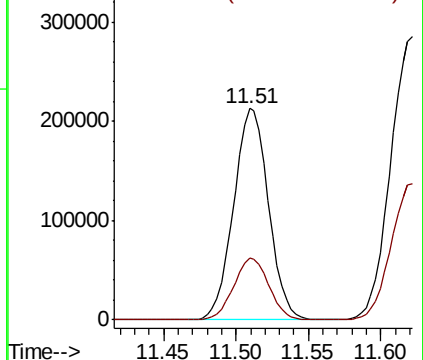
Ion Ratio Lower Upper

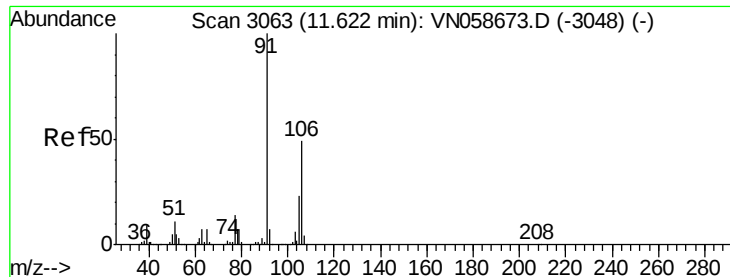
91 100

106 29.0 24.2 36.4



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





#67

m/p-Xylenes

Concen: 41.262 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

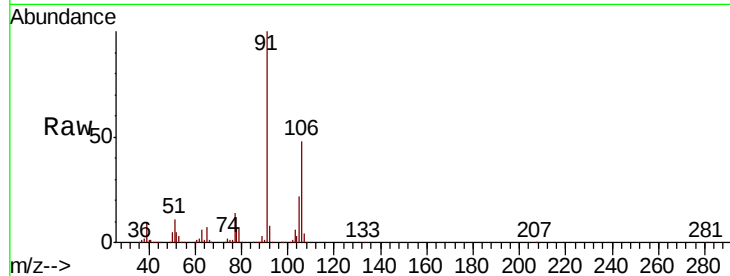
ClientSampleId :

Tot Ion:106 Resp: 264694

Ion Ratio Lower Upper

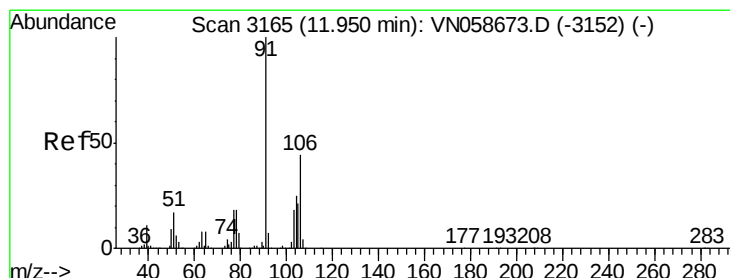
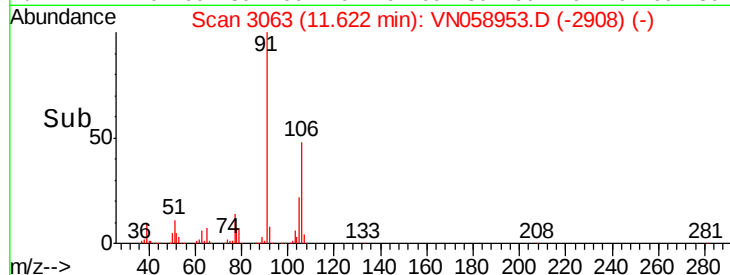
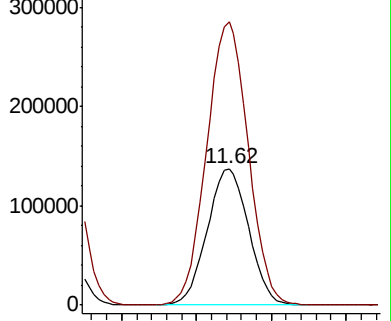
106 100

91 207.3 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.149 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058953.D

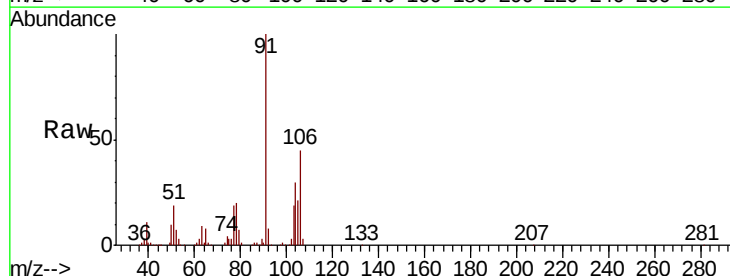
Acq: 24 Oct 2019 12:16

Tgt Ion:106 Resp: 125301

Ion Ratio Lower Upper

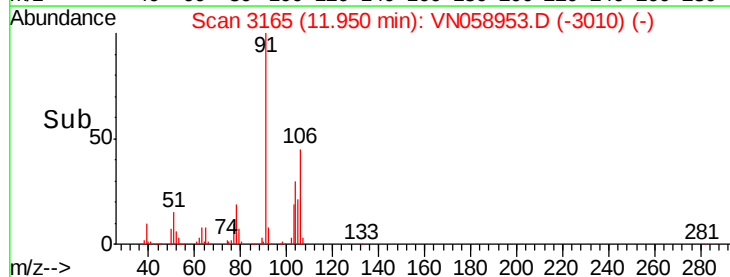
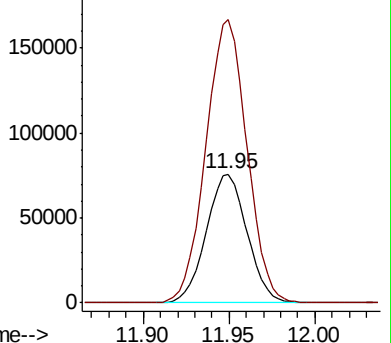
106 100

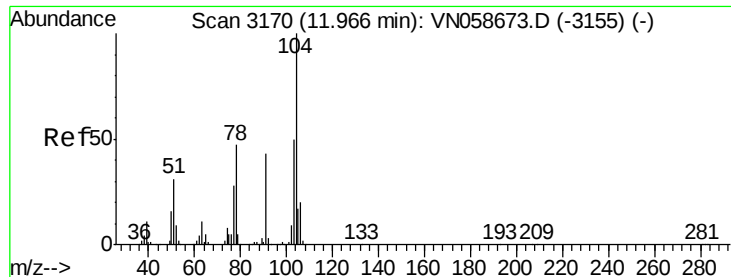
91 221.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

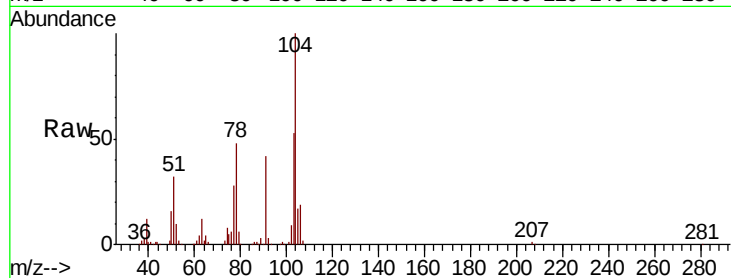




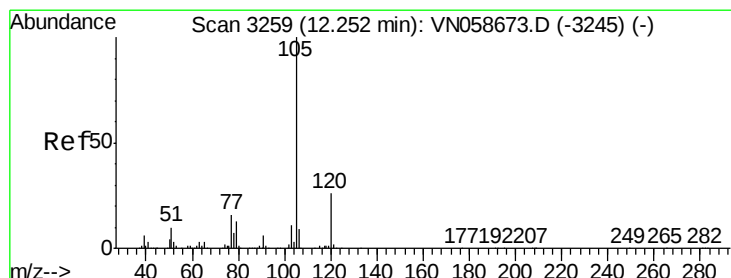
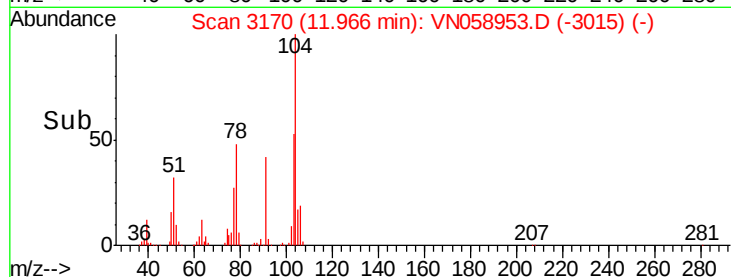
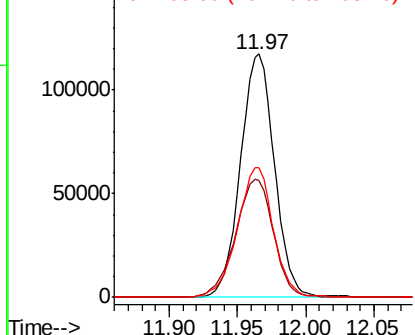
#69
Stvrene
Concen: 19.812 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.4	63.6
103	56.5	44.6	66.8

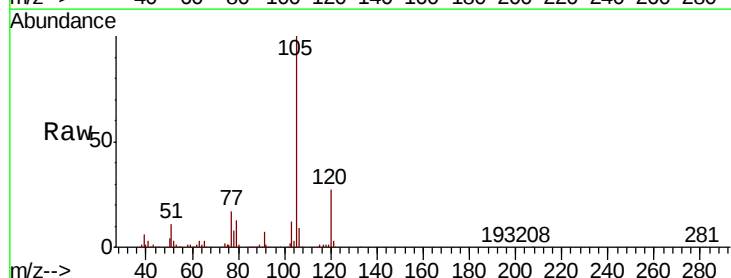


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

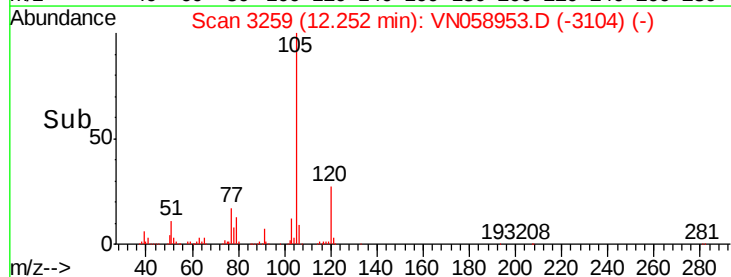
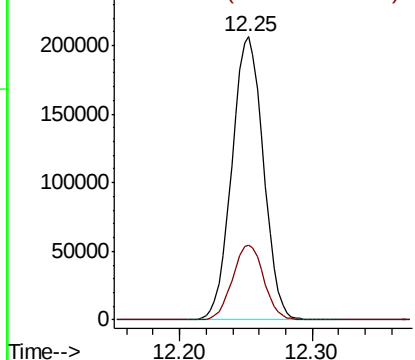


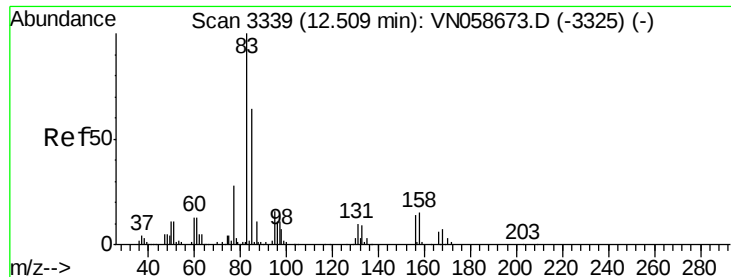
#70
Isopropylbenzene
Concen: 20.273 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.4	34.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

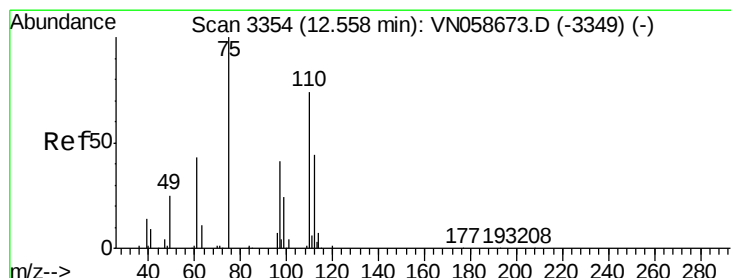
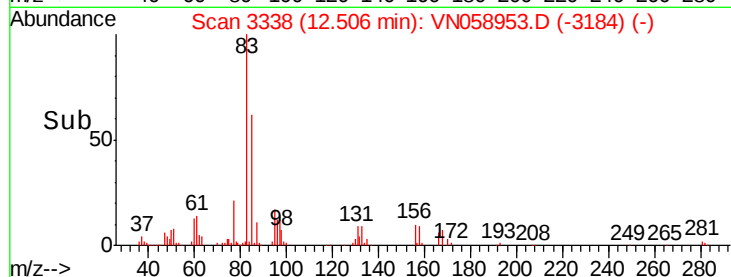
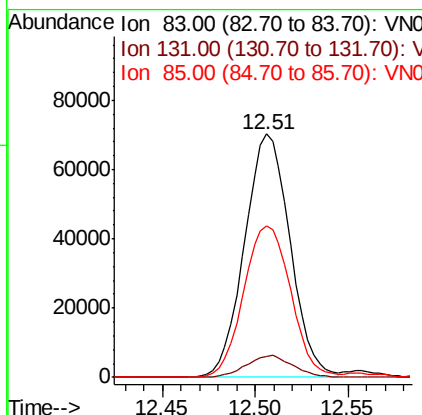
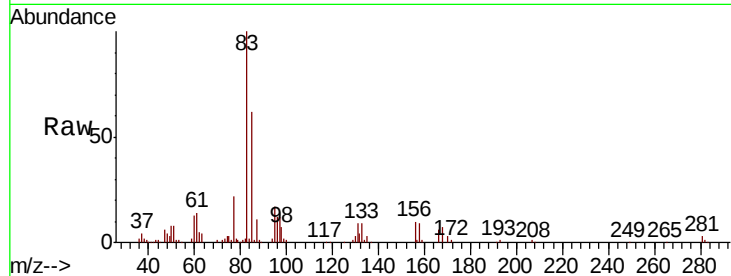




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.209 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

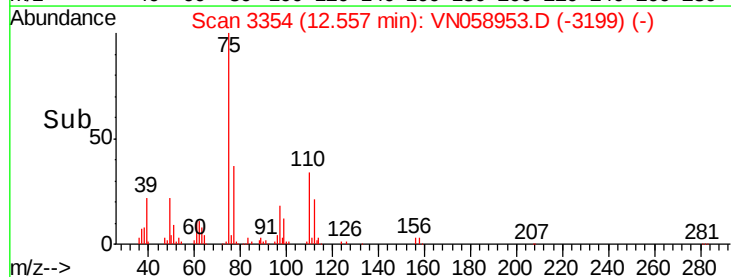
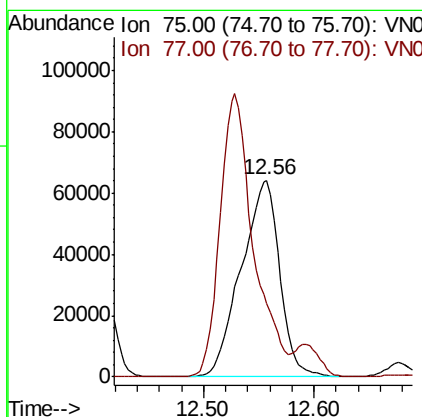
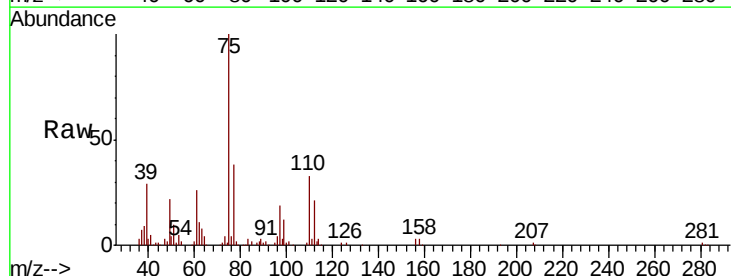
Instrument :
 MSVOA_N
 ClientSampleId :

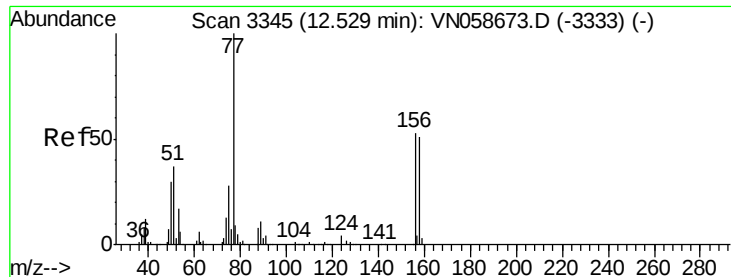
Tot Ion	83	Resp	119880
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	64.4	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 30.283 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	75	Resp	155102
Ion Ratio	Lower	Upper	
75	100		
77	125.4	0.0	359.4





#73

Bromobenzene

Concen: 20.299 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

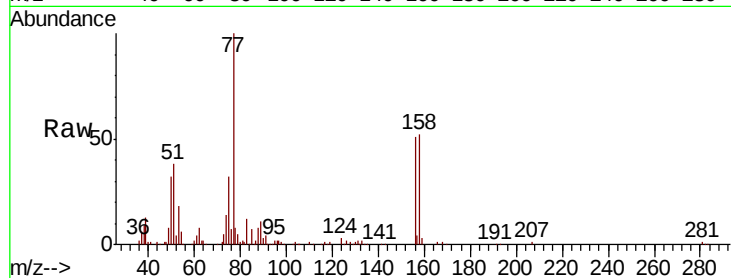
Tot Ion:156 Resp: 82784

Ion Ratio Lower Upper

156 100

77 234.9 0.0 456.0

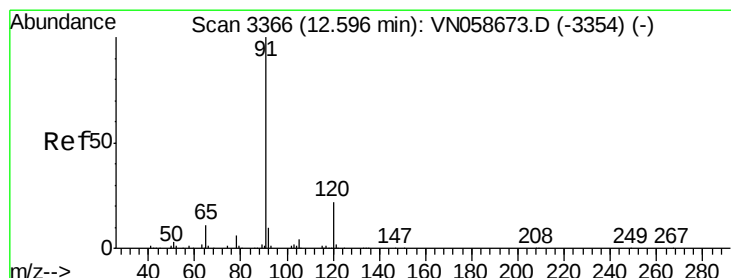
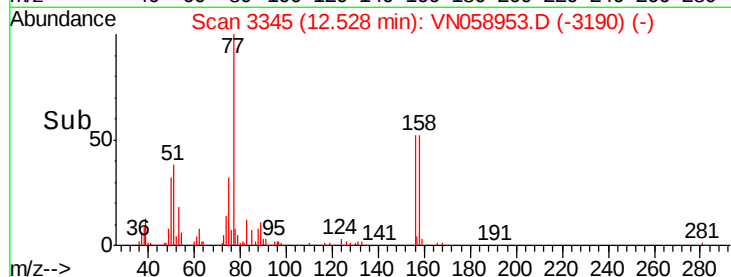
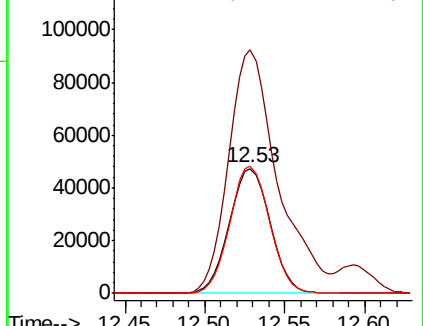
158 99.0 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.918 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058953.D

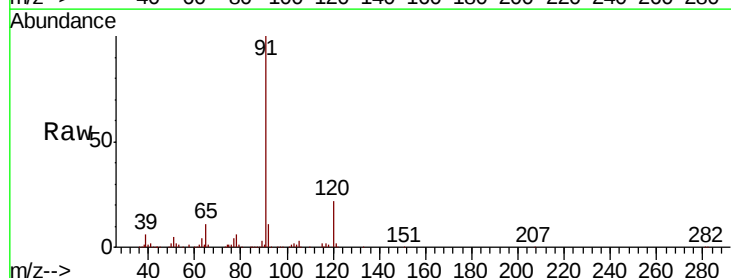
Acq: 24 Oct 2019 12:16

Tgt Ion: 91 Resp: 411100

Ion Ratio Lower Upper

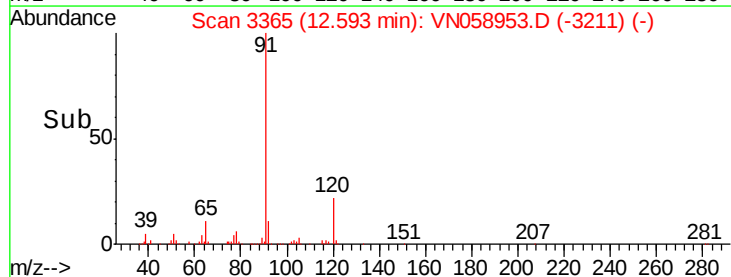
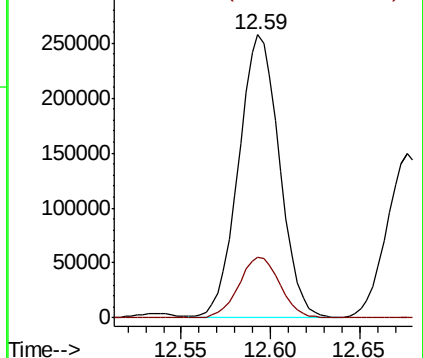
91 100

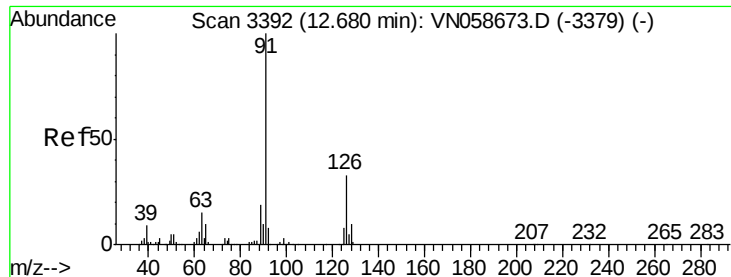
120 21.6 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.740 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

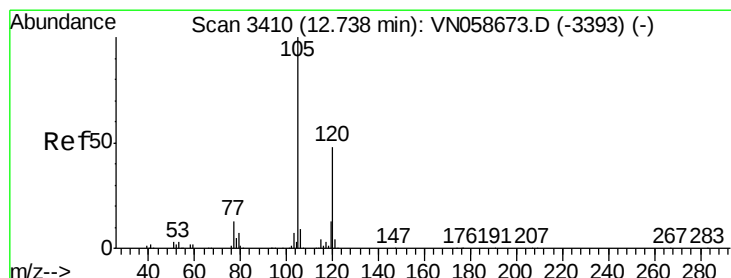
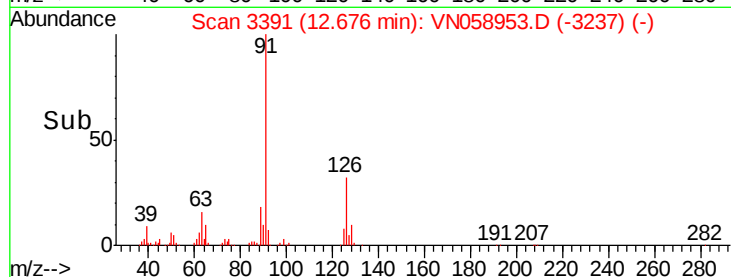
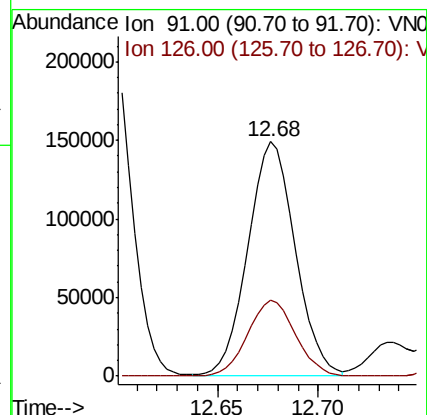
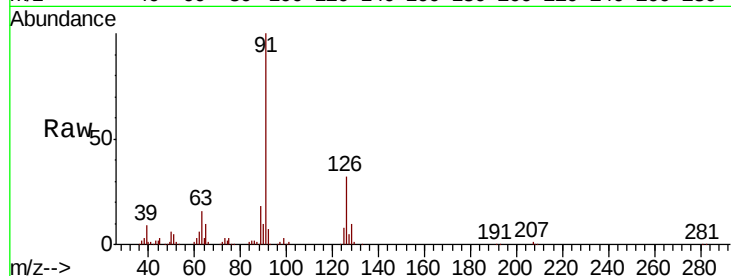
ClientSampleId :

Tot Ion: 91 Resp: 245232

Ion Ratio Lower Upper

91 100

126 32.8 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 20.465 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058953.D

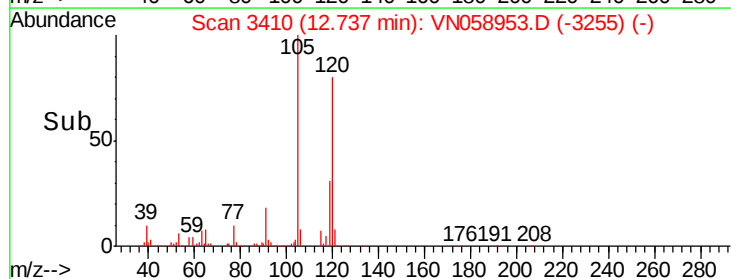
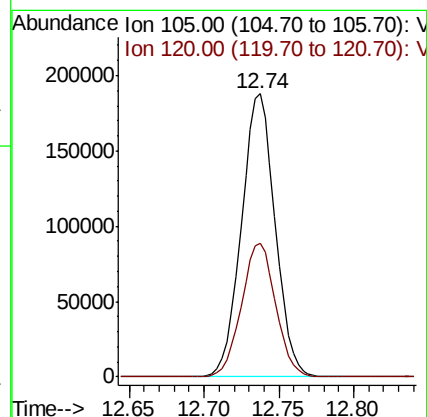
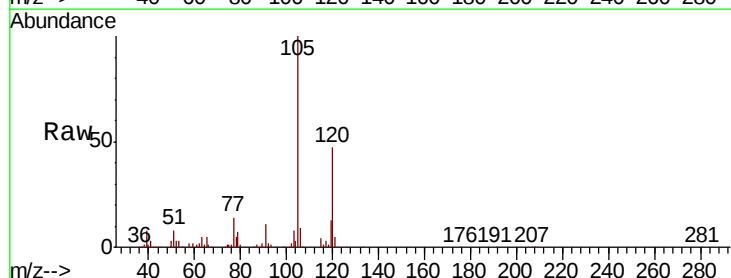
Acq: 24 Oct 2019 12:16

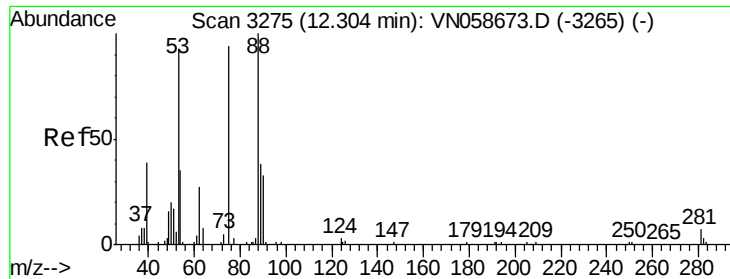
Tgt Ion: 105 Resp: 294301

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.0



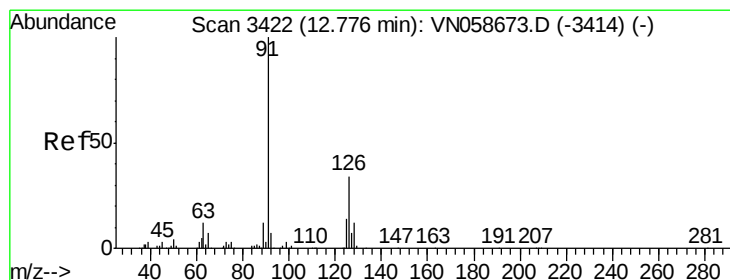
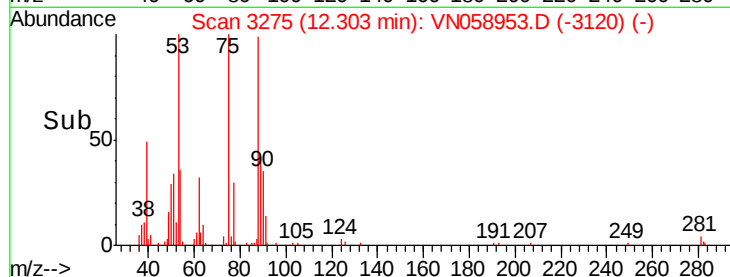
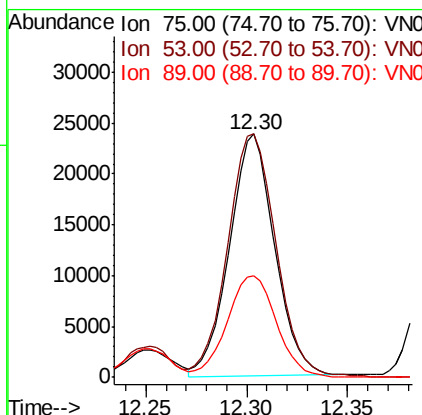
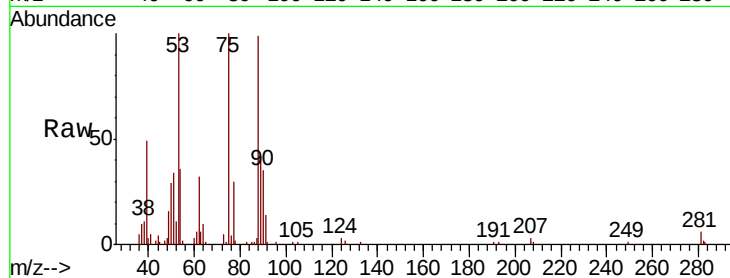


#77
t-1,4-Dichloro-2-butene
Concen: 19.113 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 37292

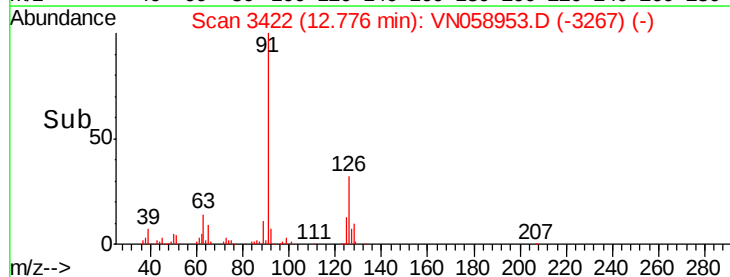
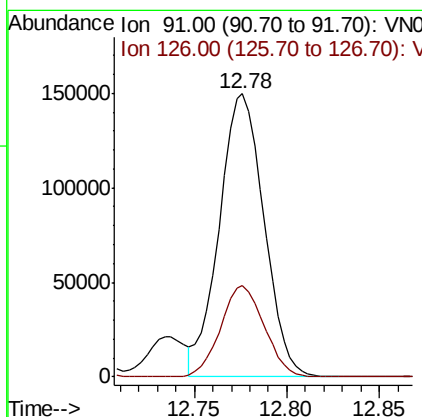
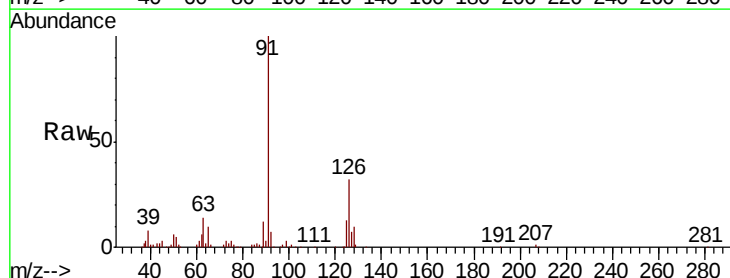
Ion	Ratio	Lower	Upper
75	100		
53	99.9	50.0	150.0
89	42.1	20.7	62.1

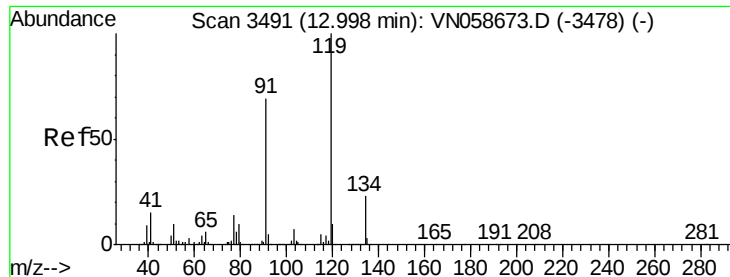


#78
4-Chlorotoluene
Concen: 20.481 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 91 Resp: 249599

Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	63.4

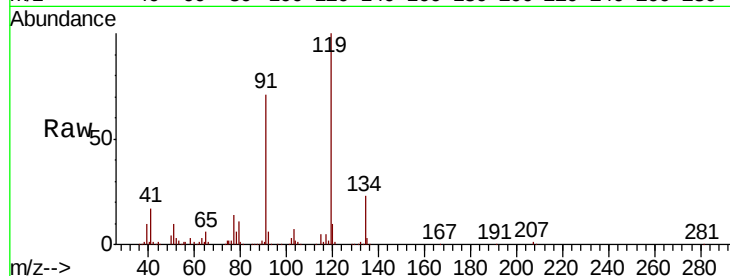




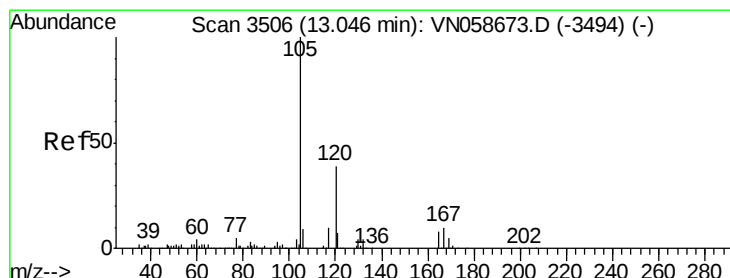
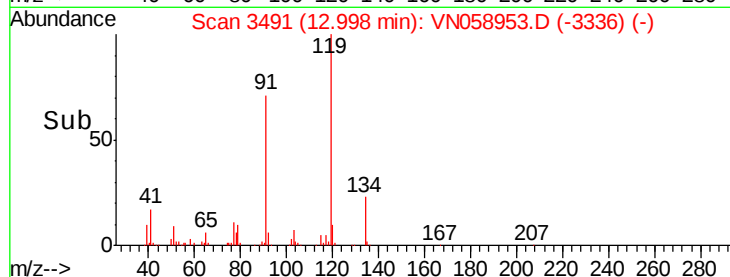
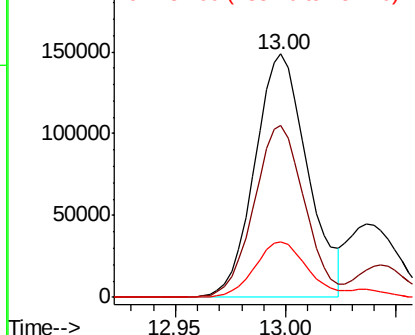
#79
tert-butylbenzene
Concen: 20.095 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 246891
Ion Ratio Lower Upper
119 100
91 67.5 0.0 136.4
134 22.5 0.0 47.2

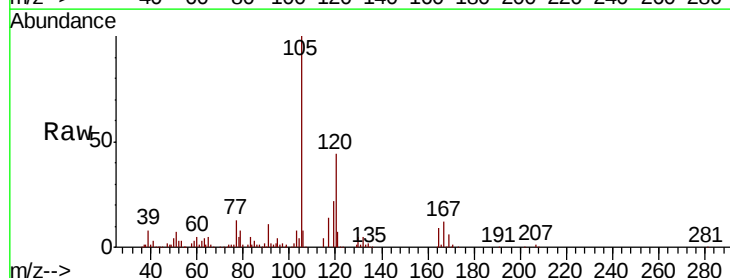


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

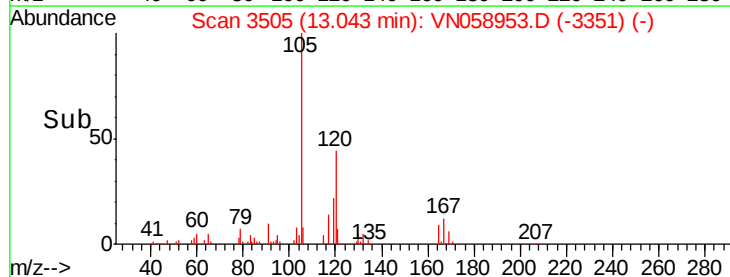
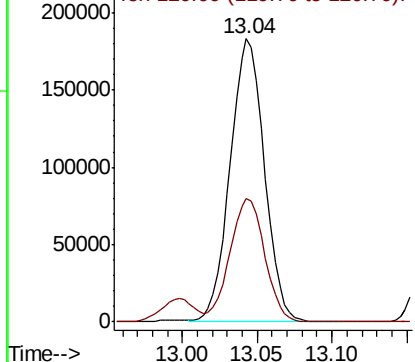


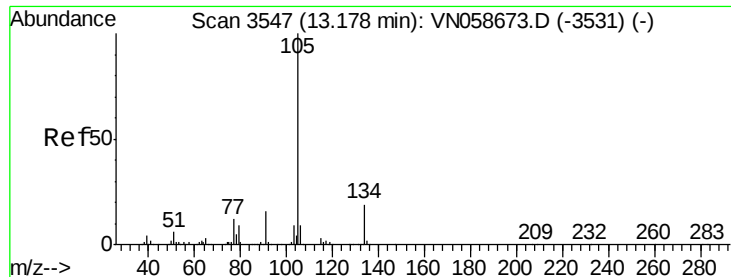
#80
1,2,4-Trimethylbenzene
Concen: 20.477 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion:105 Resp: 292601
Ion Ratio Lower Upper
105 100
120 44.3 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

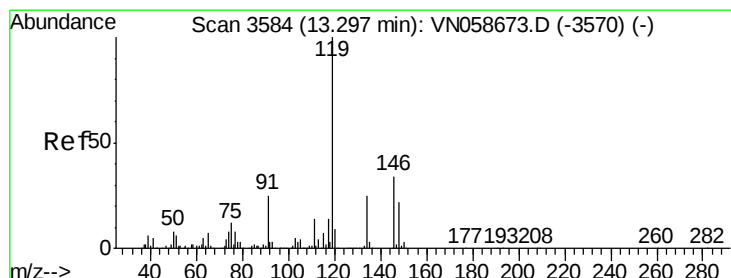
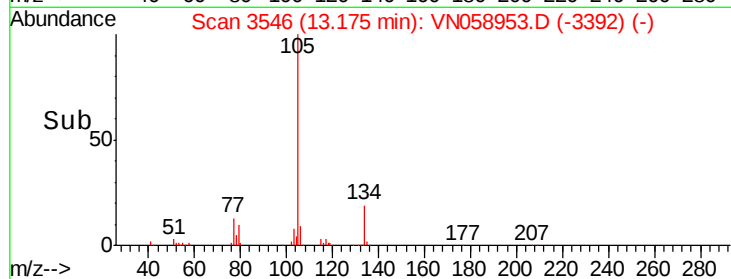
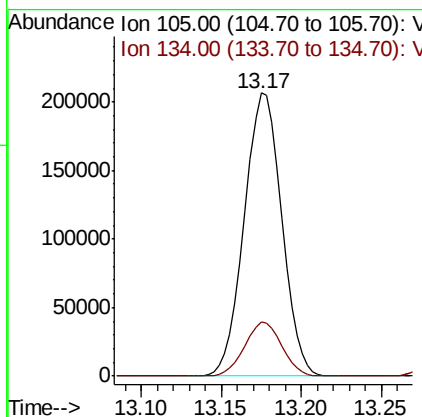
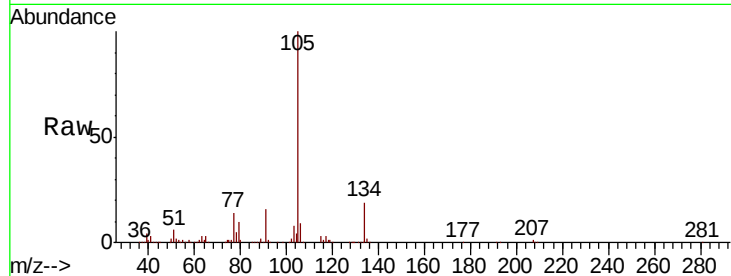




#81
 sec-Butylbenzene
 Concen: 20.026 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

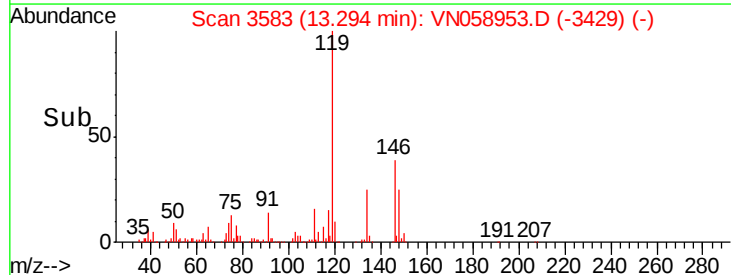
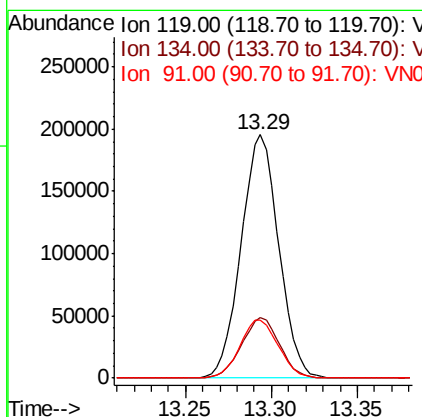
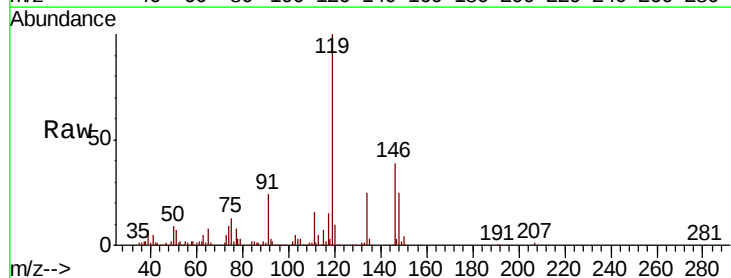
Instrument :
 MSVOA_N
 ClientSampled :

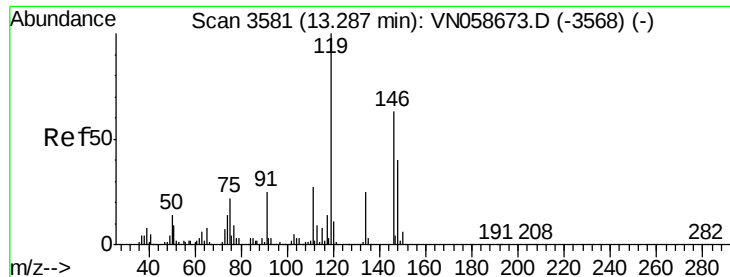
Tot Ion:105 Resp: 331116
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 19.871 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion:119 Resp: 295039
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 50.8
 91 24.7 0.0 49.4





#83

1,3-Dichlorobenzene

Concen: 20.288 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

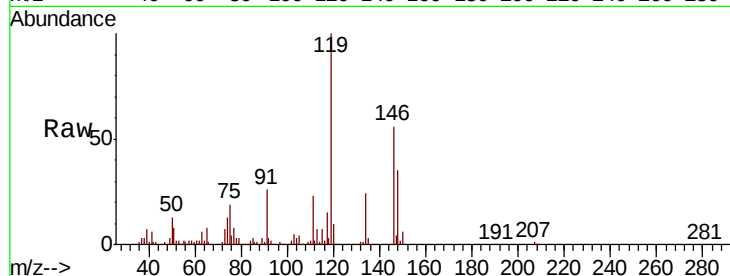
Tot Ion:146 Resp: 149718

Ion Ratio Lower Upper

146 100

111 41.3 21.0 63.0

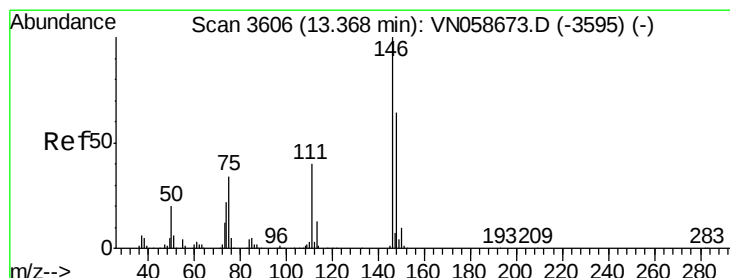
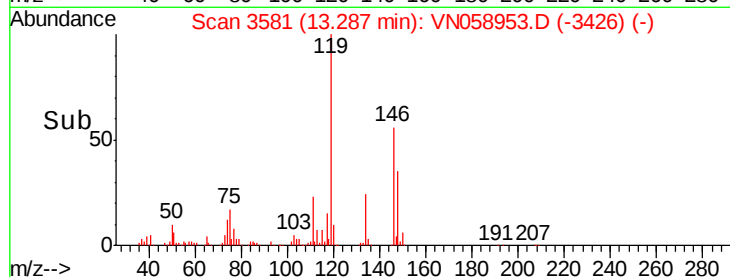
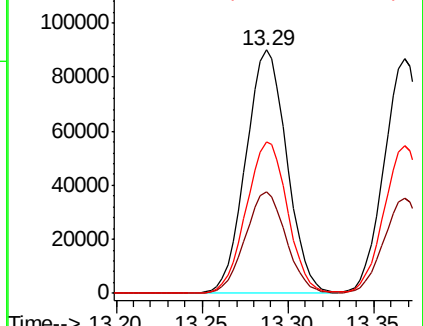
148 62.3 31.7 95.1



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



#84

1,4-Dichlorobenzene

Concen: 19.170 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

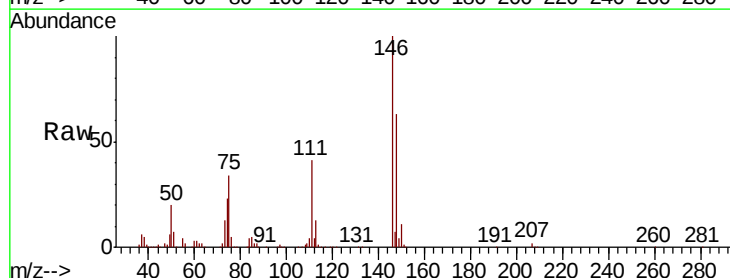
Tgt Ion:146 Resp: 141306

Ion Ratio Lower Upper

146 100

111 40.6 19.8 59.4

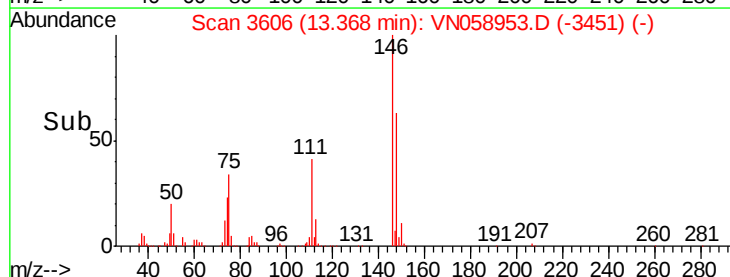
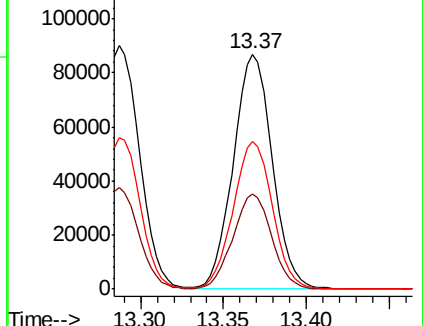
148 62.9 31.6 94.8

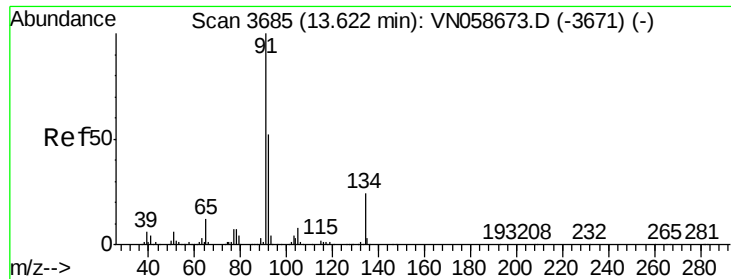


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

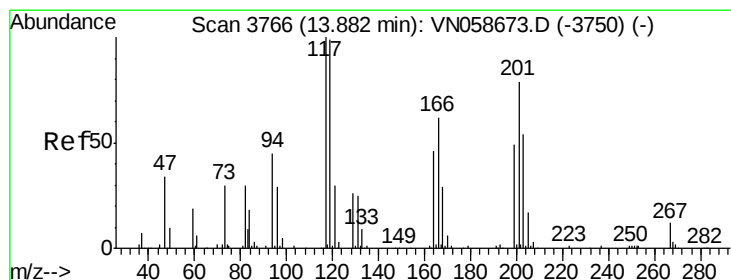
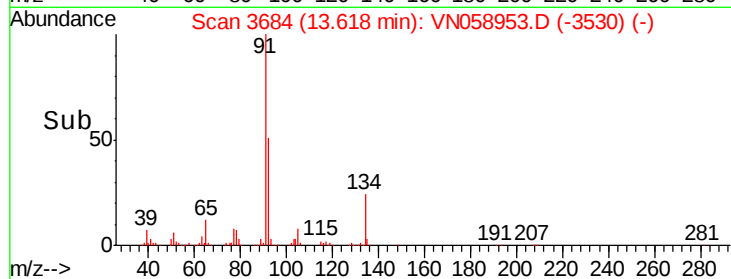
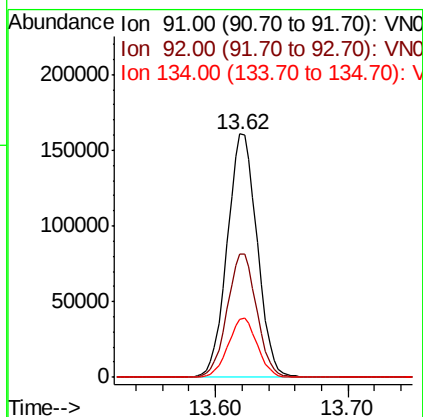
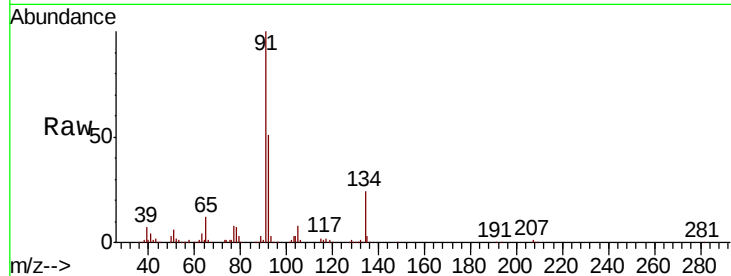




#85
n-Butylbenzene
Concen: 18.543 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

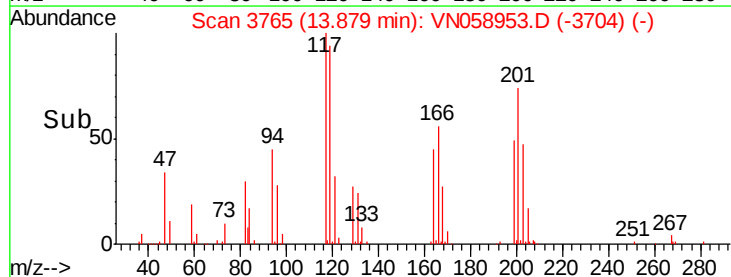
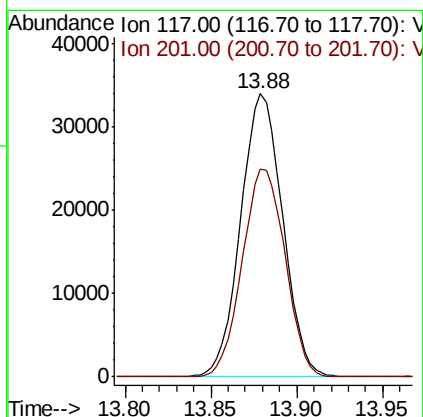
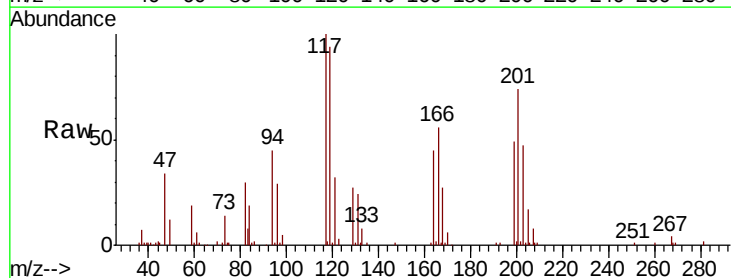
Instrument :
MSVOA_N
ClientSampleId :

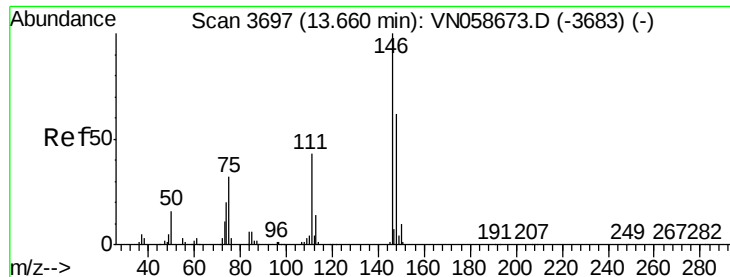
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	0.0	102.8
134	23.5	0.0	48.6



#86
Hexachloroethane
Concen: 21.367 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 20.139 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

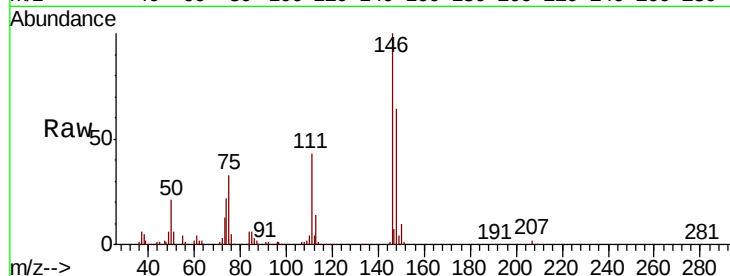
Tot Ion:146 Resp: 146714

Ion Ratio Lower Upper

146 100

111 43.2 21.8 65.4

148 64.1 32.1 96.5

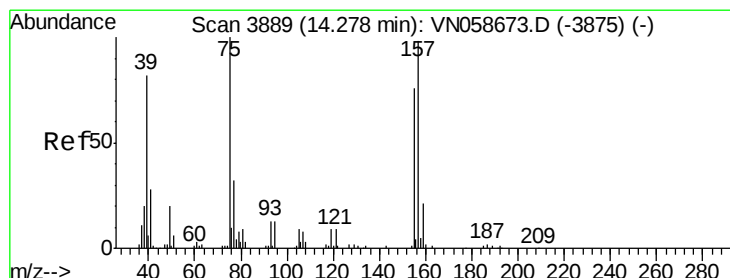
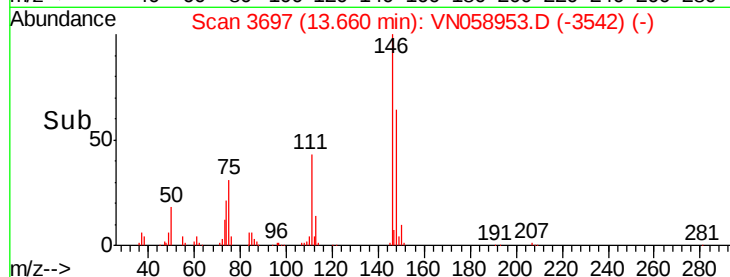
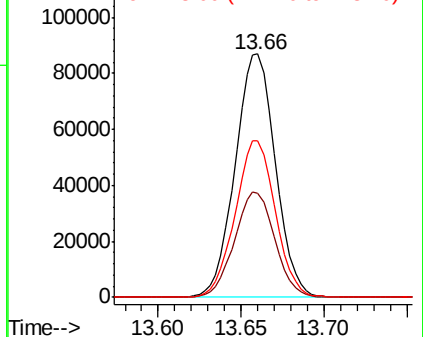


Abundance

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



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.847 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

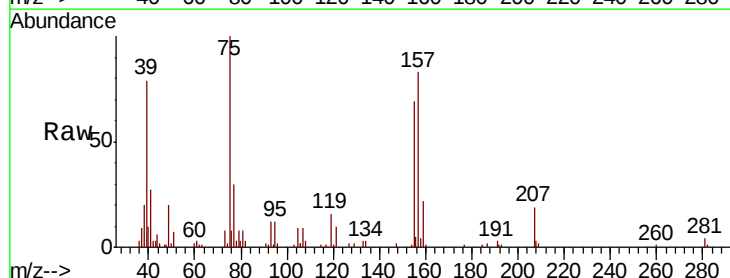
Tgt Ion: 75 Resp: 24969

Ion Ratio Lower Upper

75 100

155 67.9 58.3 87.5

157 86.8 75.0 112.6

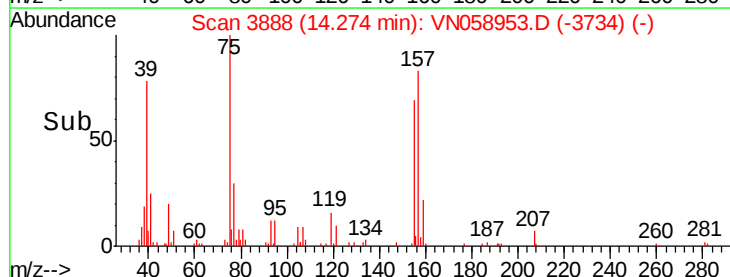
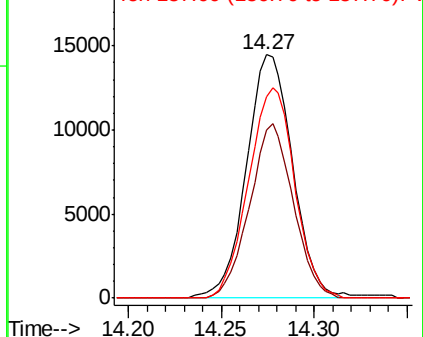


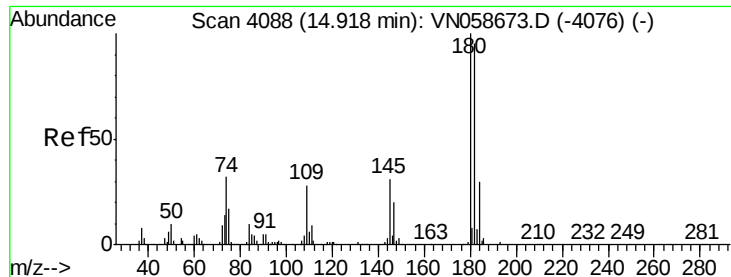
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

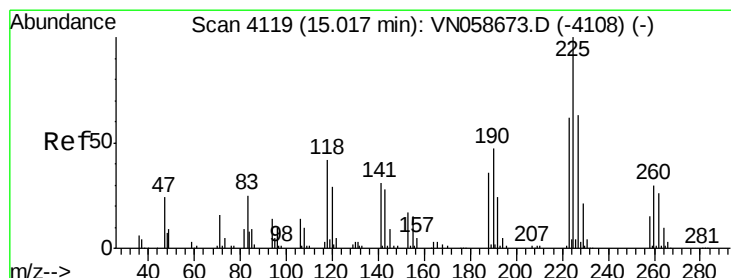
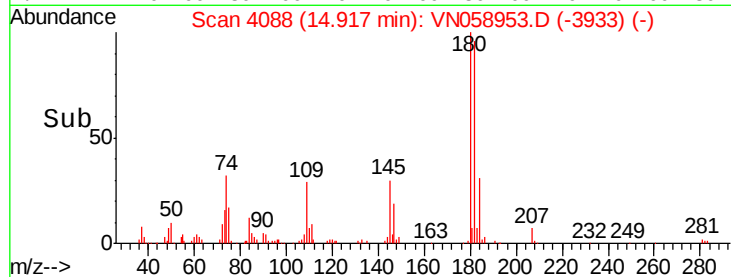
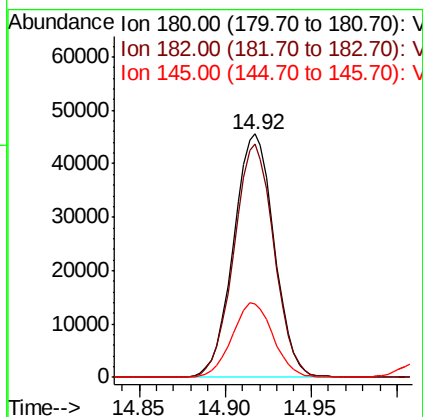
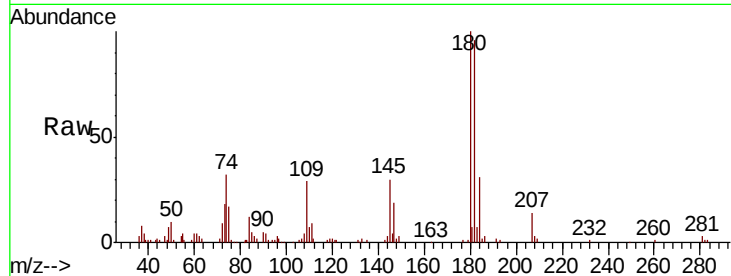




#89
 1,2,4-Trichlorobenzene
 Concen: 16.336 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

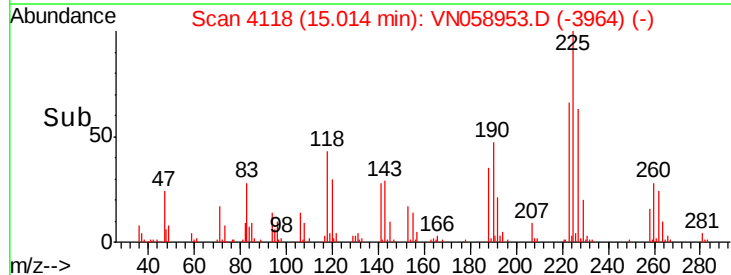
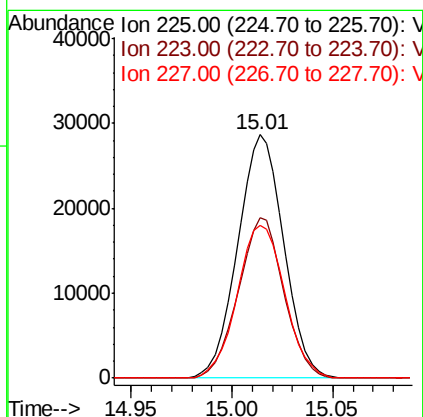
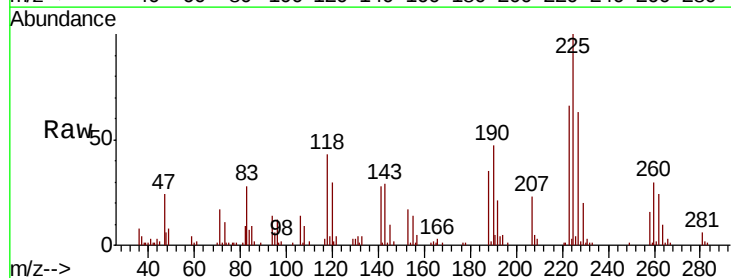
Instrument :
 MSVOA_N
 ClientSampled :

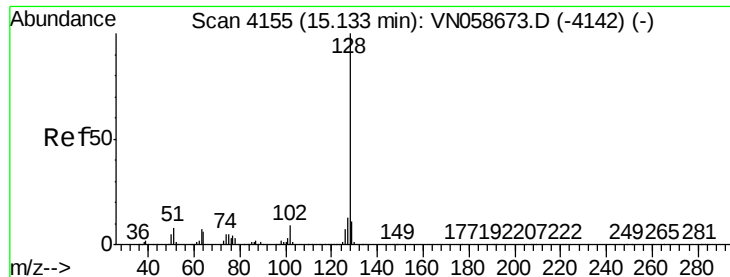
Tot Ion:180 Resp: 75147
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.3 112.9
 145 30.7 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 19.246 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion:225 Resp: 45716
 Ion Ratio Lower Upper
 225 100
 223 65.0 0.0 126.2
 227 64.8 0.0 127.0





#91

Naphthalene

Concen: 15.119 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

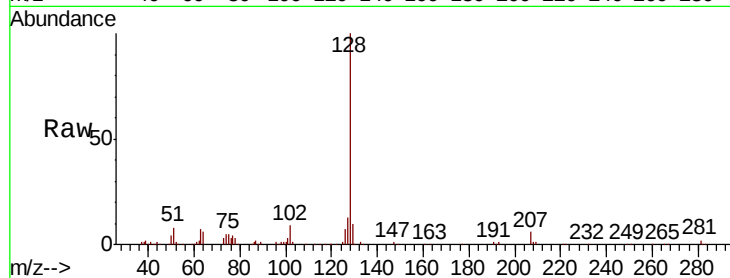
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 205347

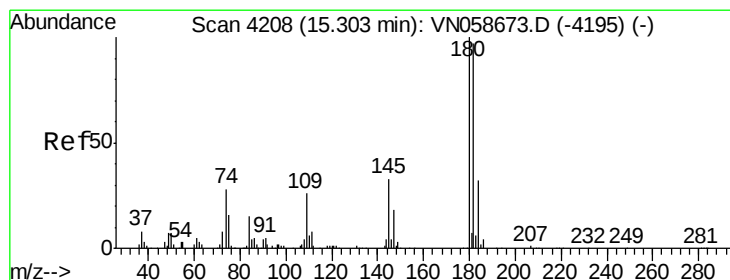
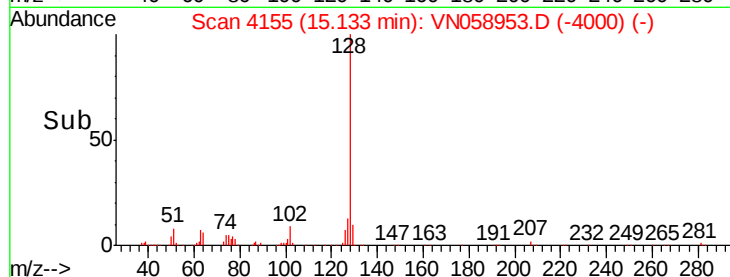
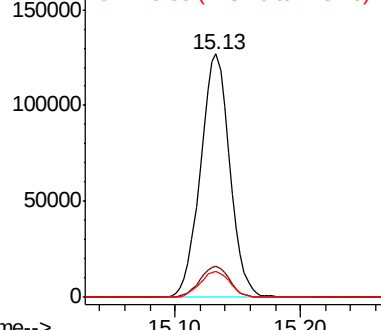
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	13.0



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: 17.008 ug/l

RT: 15.30 min Scan# 4207

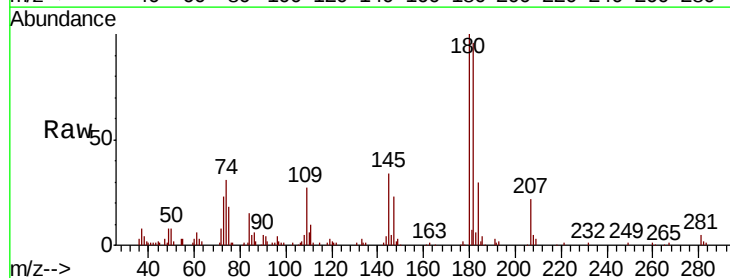
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:180 Resp: 76158

Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	193.4
145	32.7	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

