

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058689.D
 Acq On : 11 Oct 2019 9:41
 Operator : JC/SP
 Sample : K5111-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 17:28:31 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	68169	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	386349	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	346564	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	185001	31.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.60%
60) 4-Bromofluorobenzene	12.40	95	169394	27.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.13%
63) Toluene-d8	10.08	98	492900	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	10874	2.944 ug/l	95
3) Chloromethane	2.04	50	14248	2.888 ug/l	98
4) Vinyl Chloride	2.17	62	14491	2.842 ug/l	96
5) Bromomethane	2.55	94	10067	3.198 ug/l	94
6) Chloroethane	2.69	64	8701	2.715 ug/l	90
7) Trichlorofluoromethane	3.00	101	18249	2.908 ug/l	90
8) Diethyl Ether	3.38	74	6576	2.747 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10730	2.955 ug/l	98
10) 1,1-Dichloroethene	3.71	96	10037	2.814 ug/l	98
11) Methyl Iodide	3.93	142	12892	2.595 ug/l	94
12) Methyl Acetate	4.31	43	16016	2.807 ug/l	96
13) Acrolein	3.59	56	9551	15.148 ug/l #	55
14) Acrylonitrile	4.96	53	29962	13.325 ug/l	97
15) Acetone	3.79	58	8906	13.343 ug/l	86
16) Carbon Disulfide	4.03	76	30814	2.962 ug/l	96
17) Allyl chloride	4.29	41	8233	1.160 ug/l	96
18) Methylene Chloride	4.53	84	12944	2.997 ug/l	87
19) trans-1,2-Dichloroethene	5.02	96	11604	2.988 ug/l	88
20) Diisopropyl ether	5.92	45	39576	2.736 ug/l #	89
21) 1,1-Dichloroethane	5.83	63	23140	2.889 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	13343	2.882 ug/l	95
23) tert-Butyl Alcohol	4.75	59	4865	5.290 ug/l #	100
24) Methyl tert-Butyl Ether	5.01	73	15494	1.164 ug/l	98
25) Chloroform	7.36	83	23758	2.974 ug/l	96
26) Cyclohexane	7.63	56	19062	2.712 ug/l #	96
29) 1,1-Dichloropropene	7.78	75	15611	2.567 ug/l	98
30) 2-Butanone	6.82	43	44576	12.970 ug/l	99
31) 2,2-Dichloropropane	6.80	77	21585	3.011 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	20558	2.923 ug/l #	80
33) Carbon Tetrachloride	7.75	117	17039	2.799 ug/l	99
34) Benzene	8.02	78	48849	2.728 ug/l #	23
35) Methacrylonitrile	7.18	41	16082	5.297 ug/l #	73
36) 1,2-Dichloroethane	8.11	62	20775	3.035 ug/l #	95
37) Trichloroethene	8.82	130	12731	2.894 ug/l	98
38) Methylcyclohexane	9.07	83	18478	2.621 ug/l	99
39) 1,2-Dichloropropane	9.10	63	14334	2.929 ug/l	97
40) Dibromomethane	9.19	93	8857	2.867 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	17093	2.709	ug/l	98
42) Vinyl Acetate	5.87	43	158782	13.192	ug/l	99
43) Ethyl Acetate	6.91	43	16326	2.420	ug/l	95
44) Isopropyl Acetate	8.15	43	29311	2.683	ug/l	# 86
45) 1,4-Dioxane	9.19	88	4895	58.343	ug/l	# 86
46) Methyl methacrylate	9.19	41	12250	2.442	ug/l	96
47) n-amyl Acetate	12.07	43	21269	2.196	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	19904	2.590	ug/l	# 88
50) 1,1,2-Trichloroethane	10.56	97	12883	2.922	ug/l	96
51) Ethyl methacrylate	10.43	69	16005	2.270	ug/l	97
52) 1,3-Dichloropropane	10.71	76	21512	2.739	ug/l	95
53) Dibromochloromethane	10.90	129	12056	2.548	ug/l	96
54) 1,2-Dibromoethane	11.00	107	12079	2.643	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	41328	11.783	ug/l	100
56) Bromoform	12.13	173	7837	2.377	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	84262	13.328	ug/l	97
59) 2-Hexanone	10.75	43	63724	12.857	ug/l	99
61) Tetrachloroethene	10.63	164	11048	2.950	ug/l	95
62) Toluene	10.15	91	52825	2.834	ug/l	99
64) Chlorobenzene	11.43	112	31147	2.733	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	12580	2.944	ug/l	97
66) Ethyl Benzene	11.51	91	54873	2.658	ug/l	99
67) m/p-Xylenes	11.62	106	39043	5.063	ug/l	96
68) o-Xylene	11.95	106	19531	2.612	ug/l	96
69) Styrene	11.97	104	28509	2.308	ug/l	97
70) Isopropylbenzene	12.25	105	50886	2.521	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	18543	2.729	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	25135	4.082	ug/l	57
73) Bromobenzene	12.53	156	13297	2.712	ug/l	98
74) n-propylbenzene	12.59	91	59649	2.525	ug/l	99
75) 2-Chlorotoluene	12.68	91	38326	2.696	ug/l	97
76) 1,3,5-Trimethylbenzene	12.74	105	42608	2.465	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	5358	2.284	ug/l	96
78) 4-Chlorotoluene	12.78	91	35336	2.412	ug/l	100
79) tert-butylbenzene	13.00	119	38235	2.589	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	41812	2.434	ug/l	100
81) sec-Butylbenzene	13.18	105	47286	2.379	ug/l	98
82) p-Isopropyltoluene	13.29	119	42468	2.379	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	22026	2.483	ug/l	96
84) 1,4-Dichlorobenzene	13.37	146	22076	2.491	ug/l	98
85) n-Butylbenzene	13.62	91	36157	2.213	ug/l	98
86) Hexachloroethane	13.88	117	8291	2.552	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	22600	2.580	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	4005	2.648	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	12210	2.208	ug/l	100
90) Hexachlorobutadiene	15.01	225	7745	2.712	ug/l	97
91) Naphthalene	15.13	128	34220	2.096	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	11743	2.181	ug/l	99

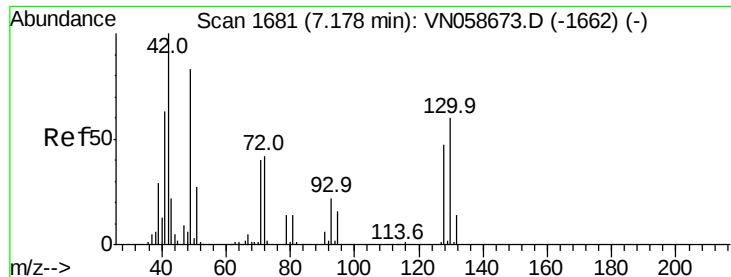
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampled :

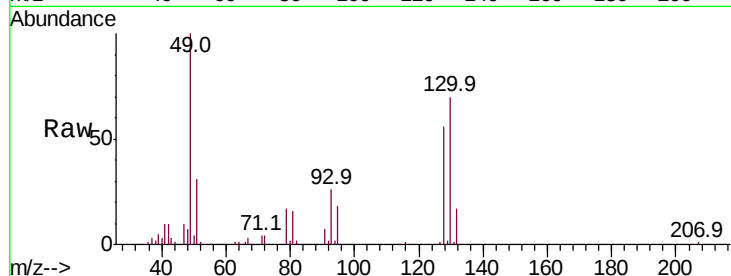
Tot Ion:128 Resp: 68169

Ion Ratio Lower Upper

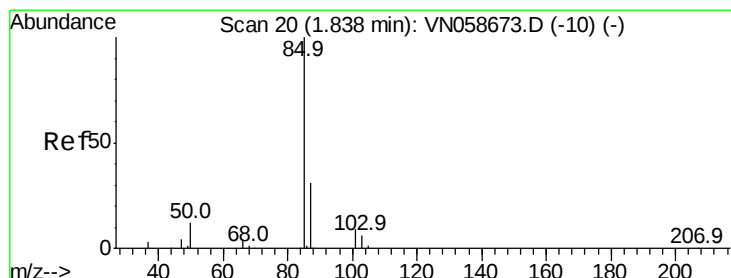
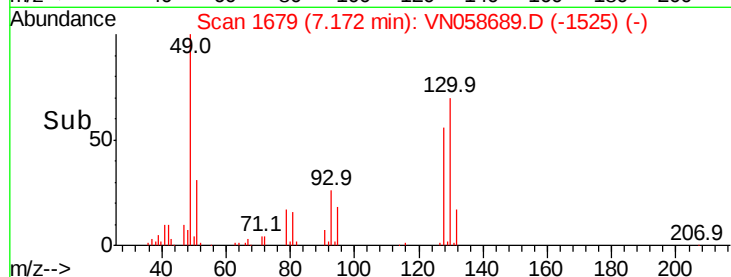
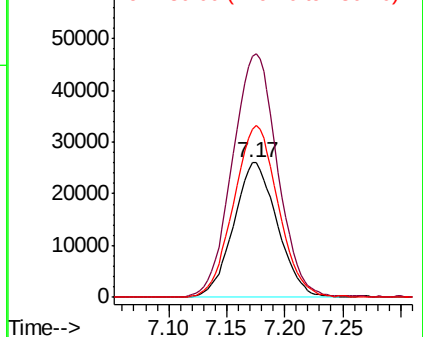
128 100

49 186.4 0.0 453.5

130 129.9 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.944 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058689.D

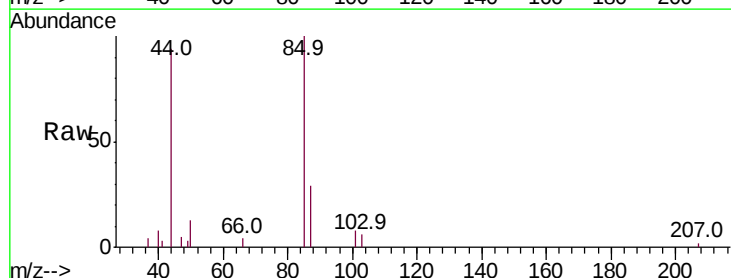
Acq: 11 Oct 2019 9:41

Tgt Ion: 85 Resp: 10874

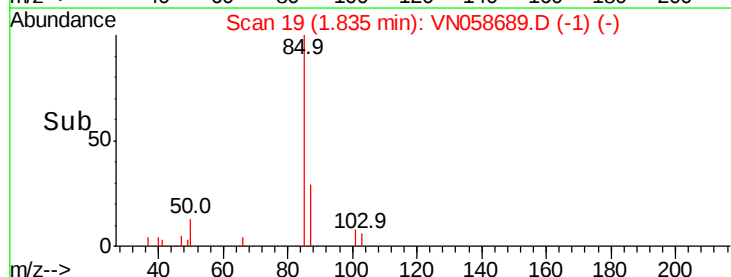
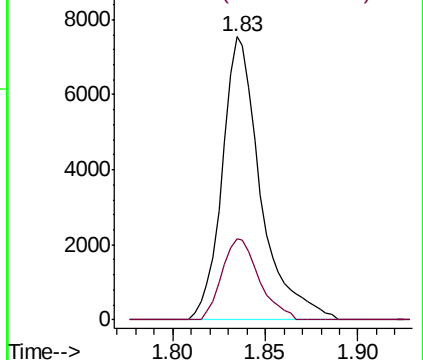
Ion Ratio Lower Upper

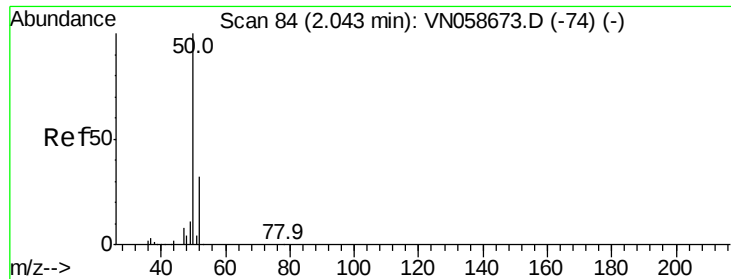
85 100

87 28.6 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 2.888 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

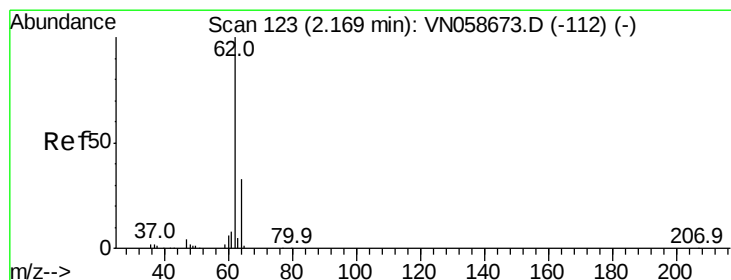
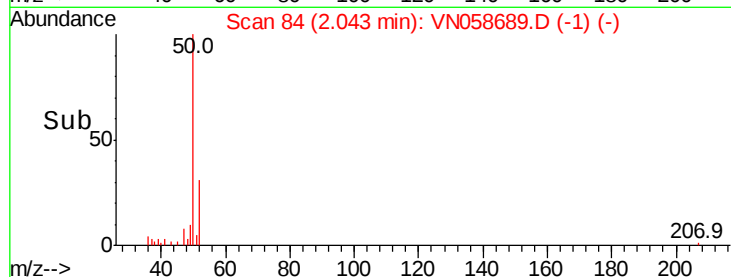
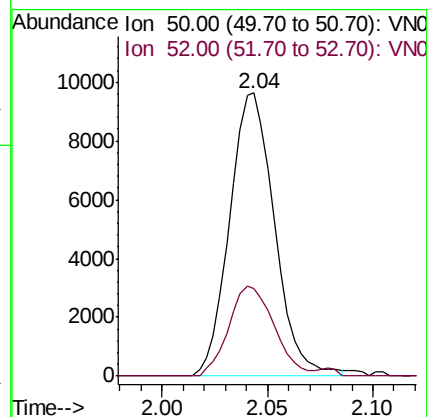
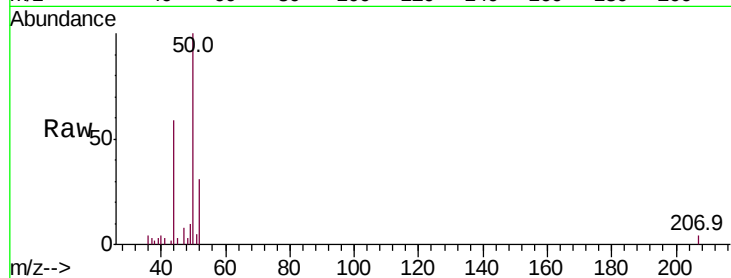
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 14248

Ion Ratio Lower Upper

50 100

52 31.0 25.8 38.8



#4

Vinyl Chloride

Concen: 2.842 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058689.D

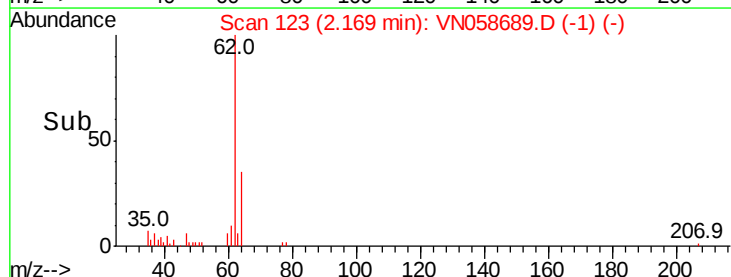
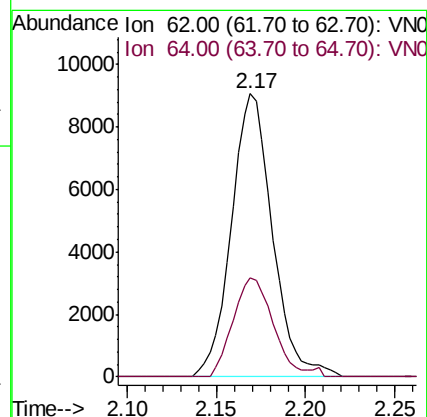
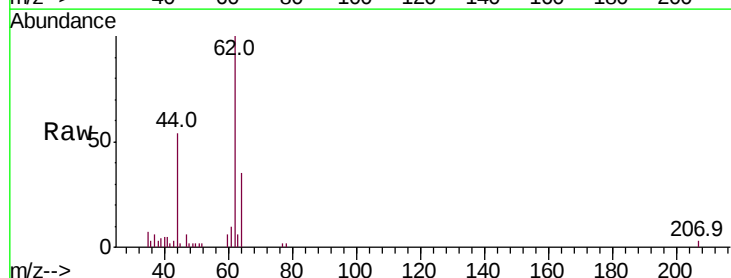
Acq: 11 Oct 2019 9:41

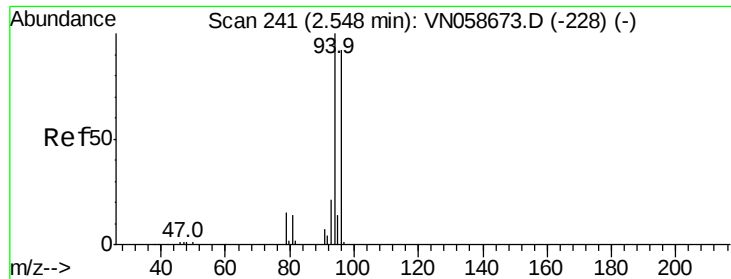
Tgt Ion: 62 Resp: 14491

Ion Ratio Lower Upper

62 100

64 35.1 26.1 39.1





#5

Bromomethane

Concen: 3.198 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

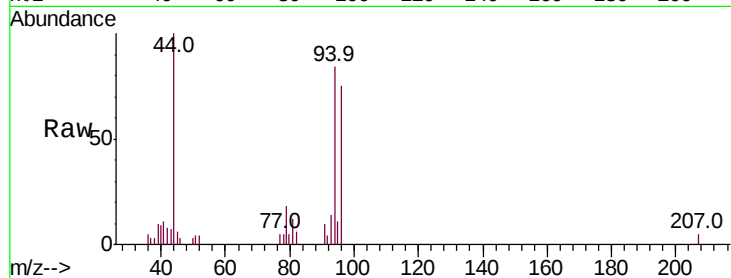
ClientSampled :

Tot Ion: 94 Resp: 10067

Ion Ratio Lower Upper

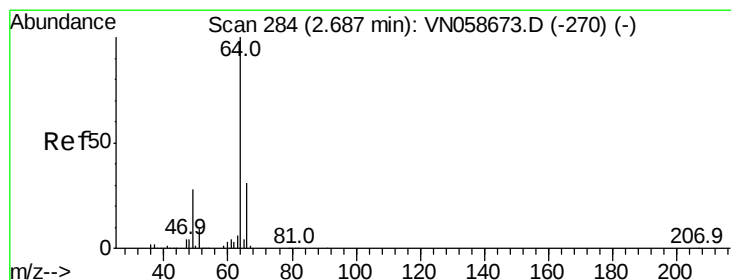
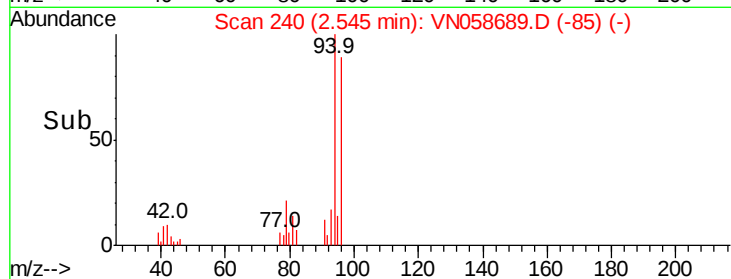
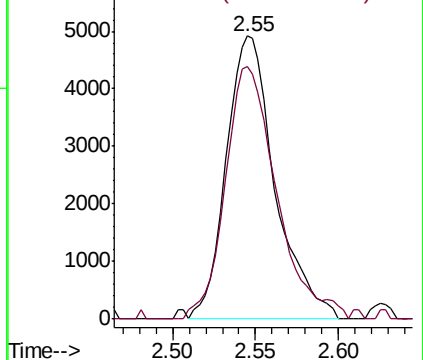
94 100

96 86.0 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 2.715 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058689.D

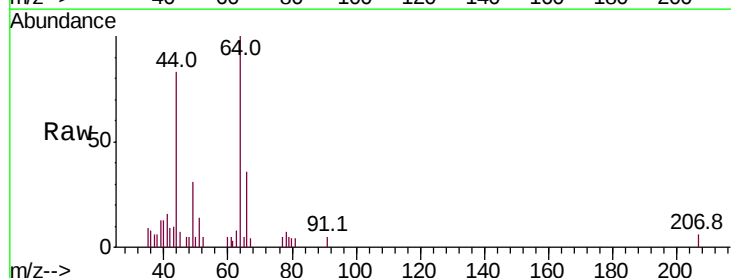
Acq: 11 Oct 2019 9:41

Tgt Ion: 64 Resp: 8701

Ion Ratio Lower Upper

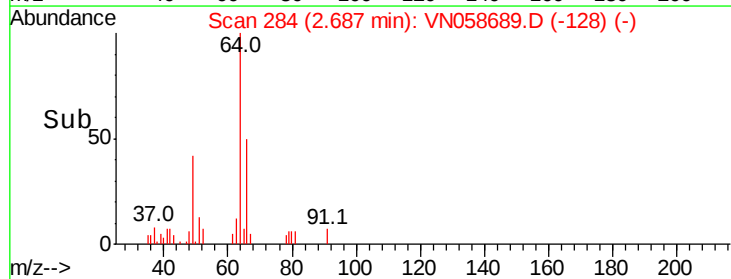
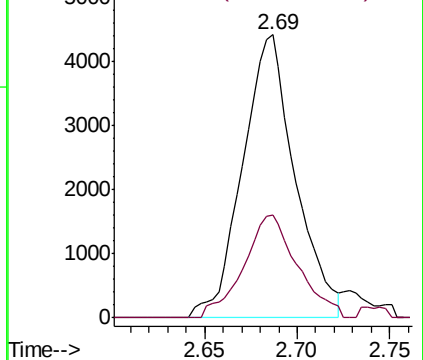
64 100

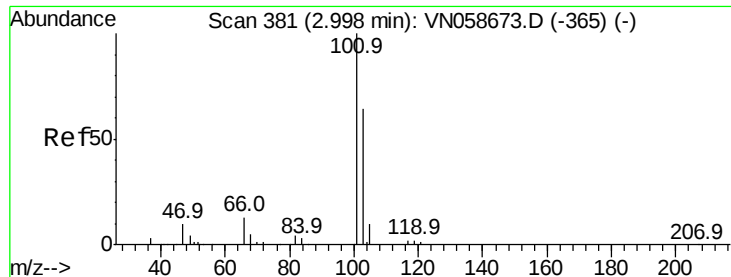
66 36.4 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



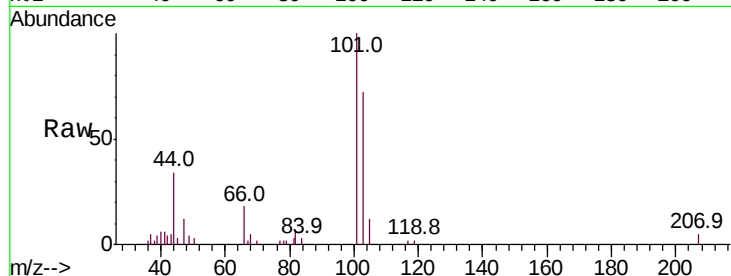


#7

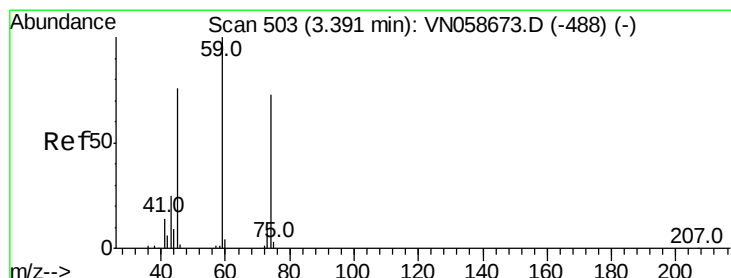
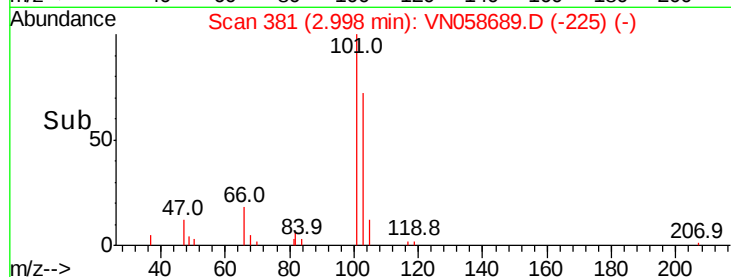
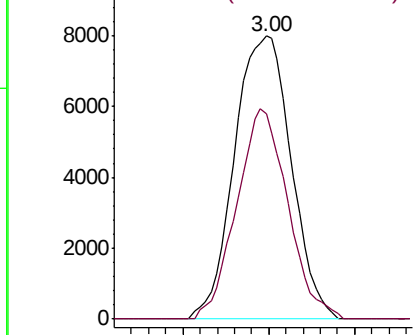
Trichlorofluoromethane
Concen: 2.908 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 18249
Ion Ratio Lower Upper
101 100
103 72.4 51.5 77.3



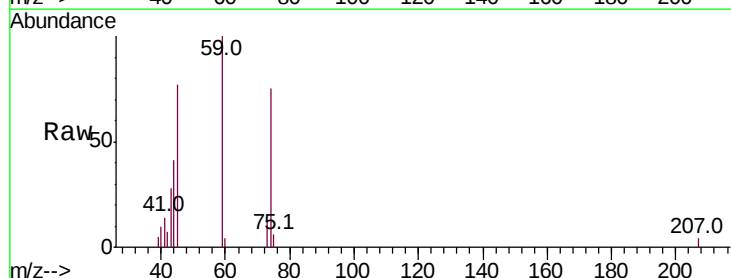
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



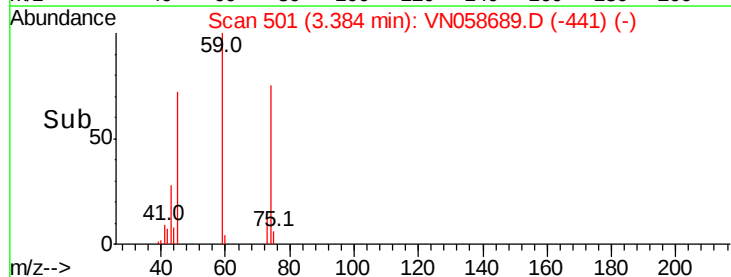
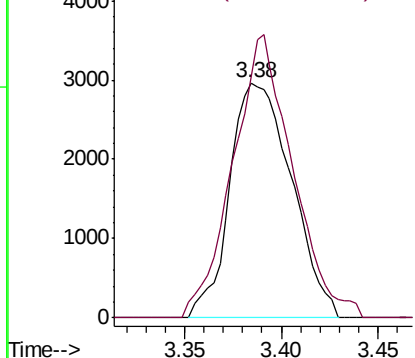
#8

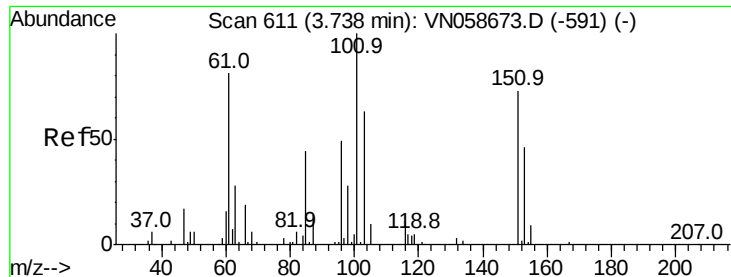
Diethyl Ether
Concen: 2.747 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.01 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion: 74 Resp: 6576
Ion Ratio Lower Upper
74 100
45 115.8 20.6 185.8



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.955 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

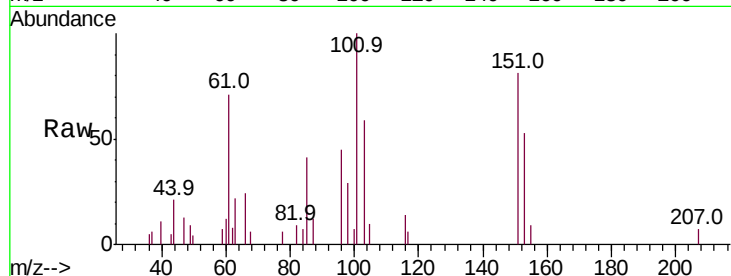
Tot Ion:101 Resp: 10730

Ion Ratio Lower Upper

101 100

85 44.2 0.0 93.8

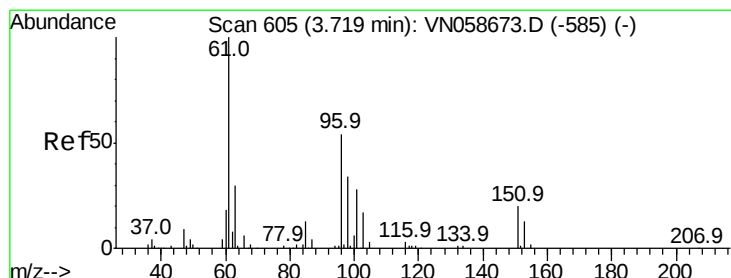
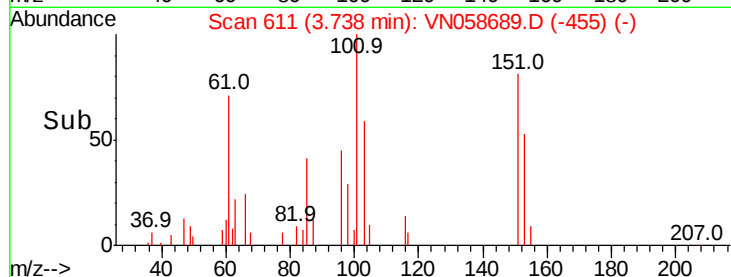
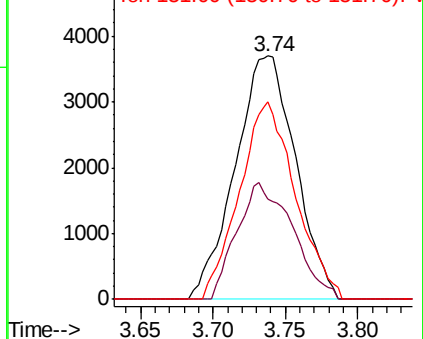
151 75.0 0.0 149.6



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: 2.814 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

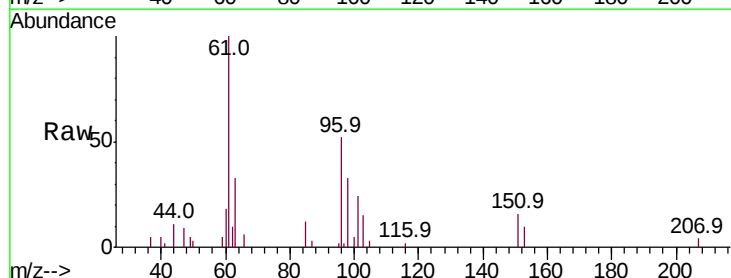
Tgt Ion: 96 Resp: 10037

Ion Ratio Lower Upper

96 100

61 189.0 148.5 222.7

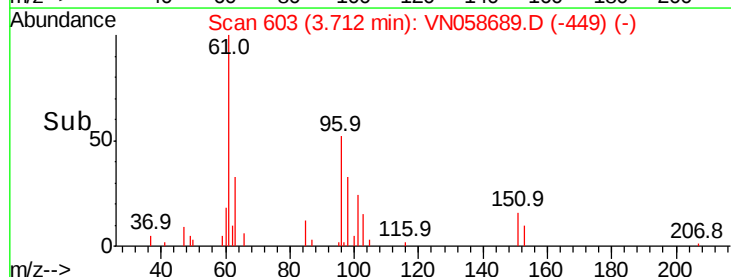
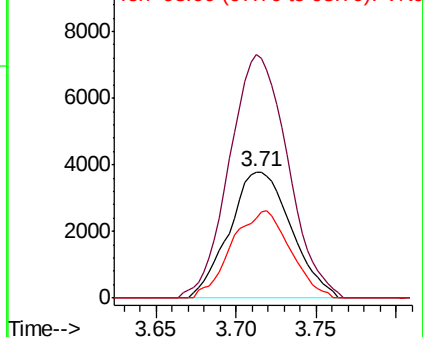
98 63.5 51.0 76.6

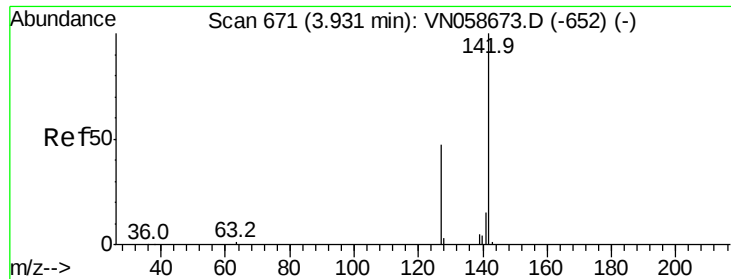


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

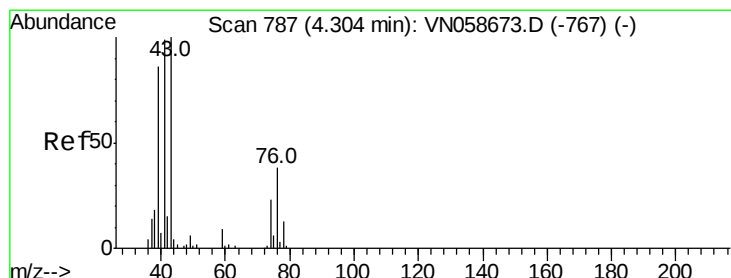
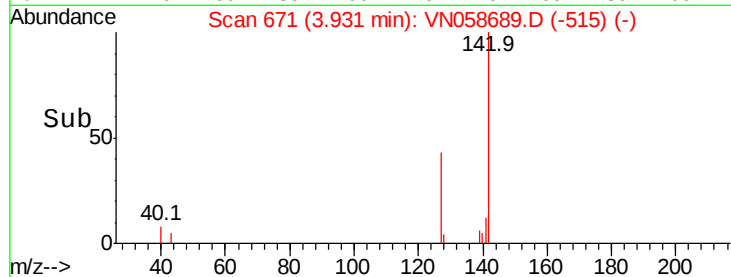
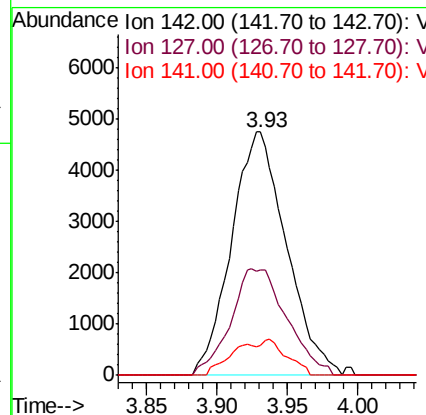
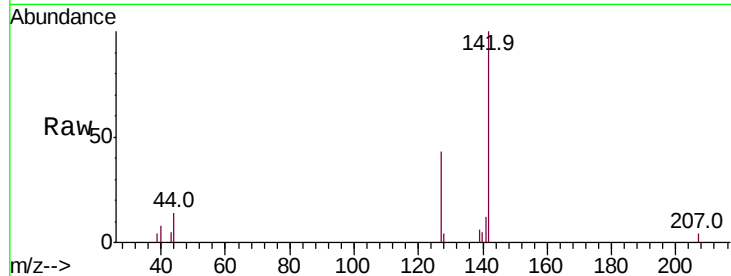




#11
Methvl Iodide
Concen: 2.595 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

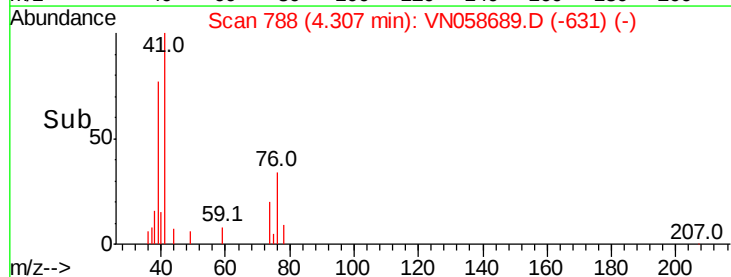
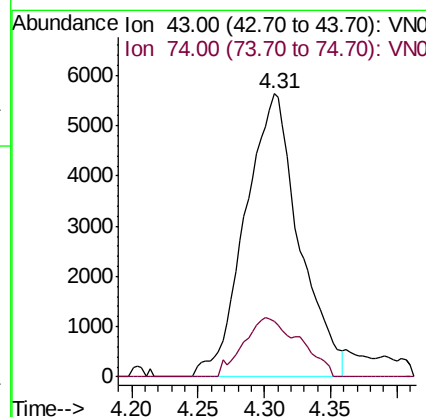
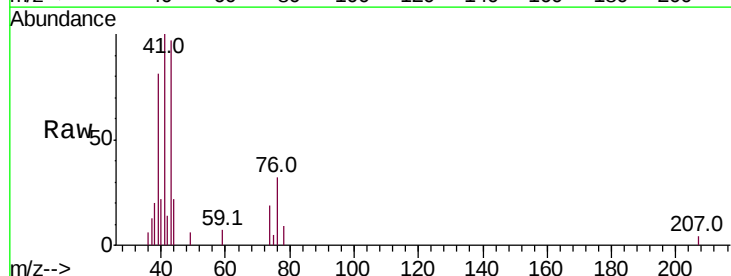
Instrument :
MSVOA_N
ClientSampled :

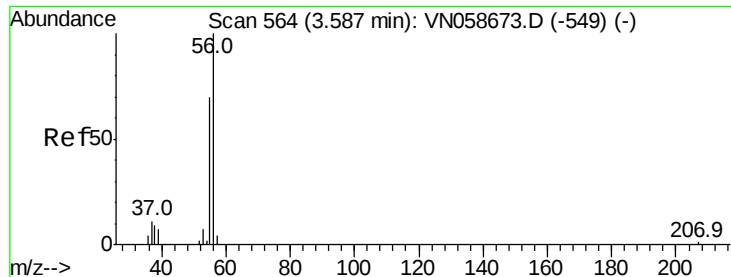
Tot Ion:142 Resp: 12892
Ion Ratio Lower Upper
142 100
127 43.4 23.5 70.6
141 12.5 7.4 22.2



#12
Methyl Acetate
Concen: 2.807 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion: 43 Resp: 16016
Ion Ratio Lower Upper
43 100
74 20.5 18.1 27.1





#13

Acrolein

Concen: 15.148 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

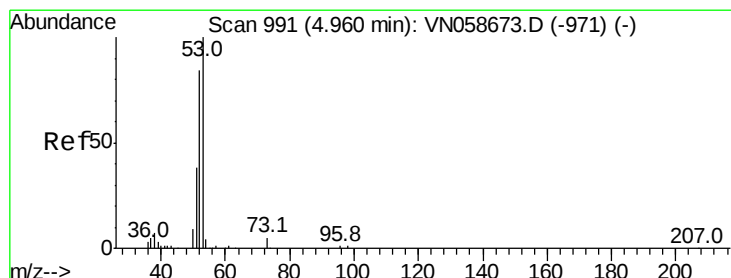
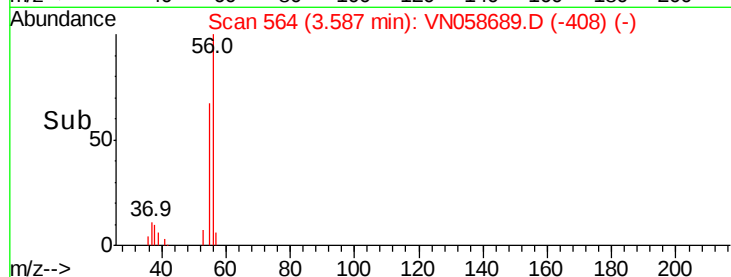
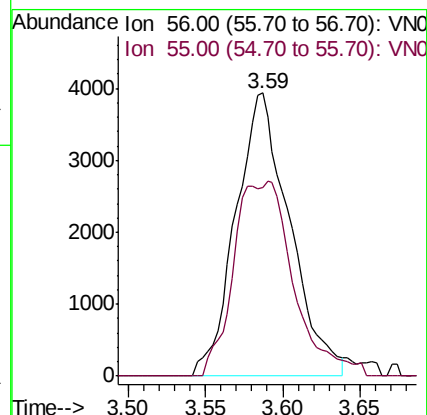
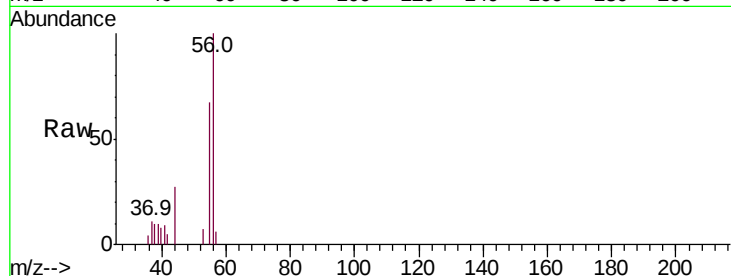
ClientSampled :

Tot Ion: 56 Resp: 9551

Ion Ratio Lower Upper

56 100

55 33.2 55.9 83.9#



#14

Acrylonitrile

Concen: 13.325 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

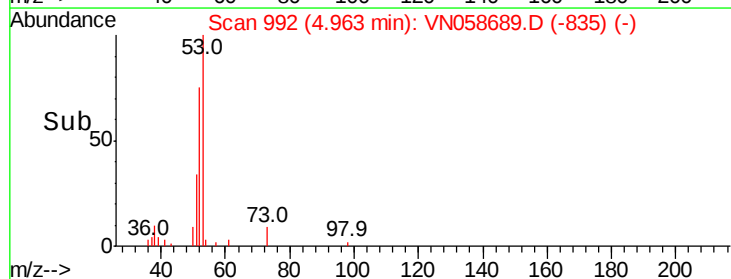
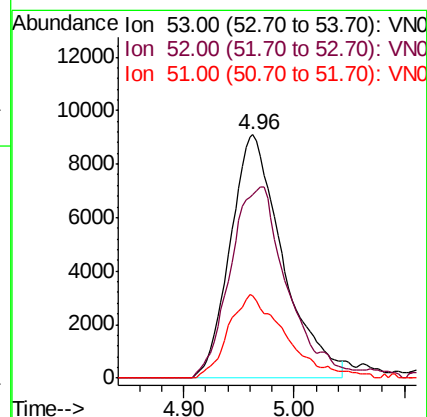
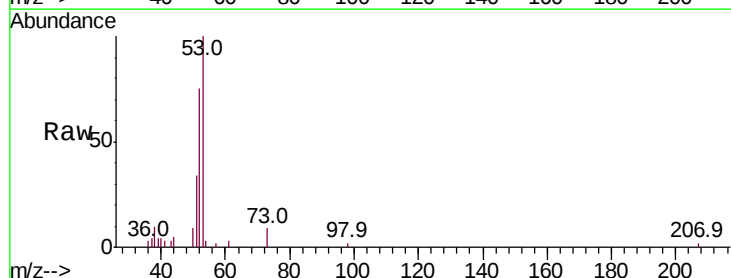
Tgt Ion: 53 Resp: 29962

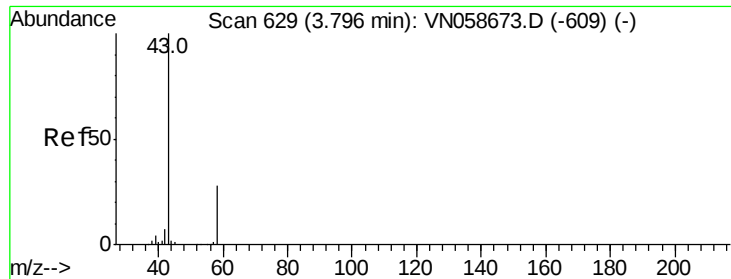
Ion Ratio Lower Upper

53 100

52 81.4 42.2 126.6

51 35.2 18.8 56.4





#15

Acetone

Concen: 13.343 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

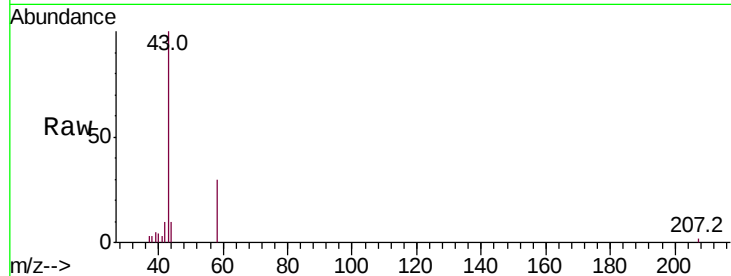
ClientSampleId :

Tot Ion: 58 Resp: 8906

Ion Ratio Lower Upper

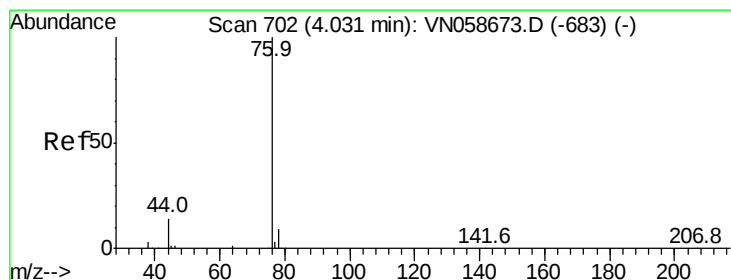
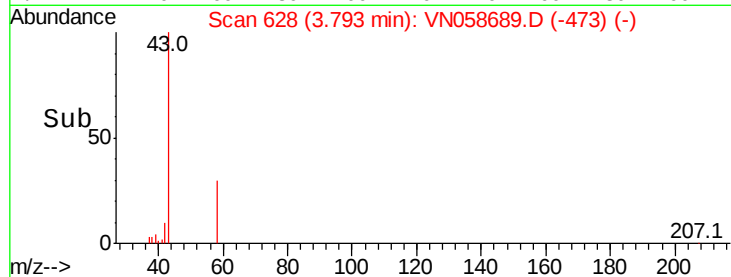
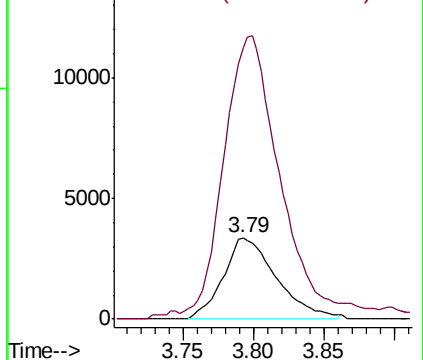
58 100

43 320.8 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 2.962 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058689.D

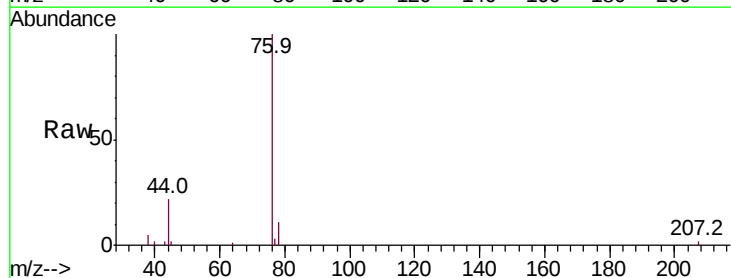
Acq: 11 Oct 2019 9:41

Tgt Ion: 76 Resp: 30814

Ion Ratio Lower Upper

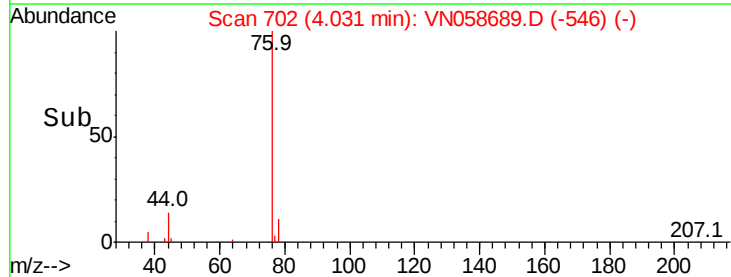
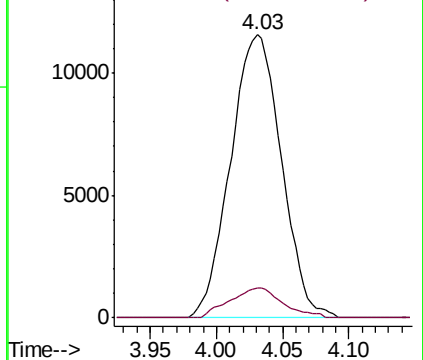
76 100

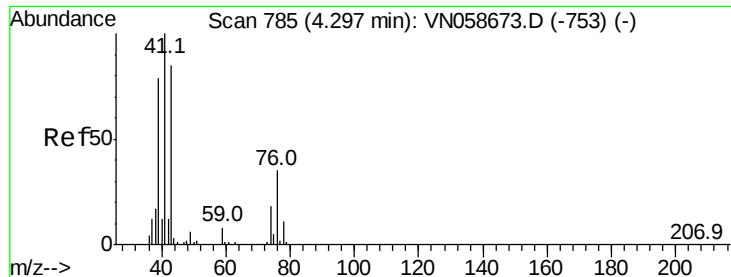
78 10.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 1.160 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

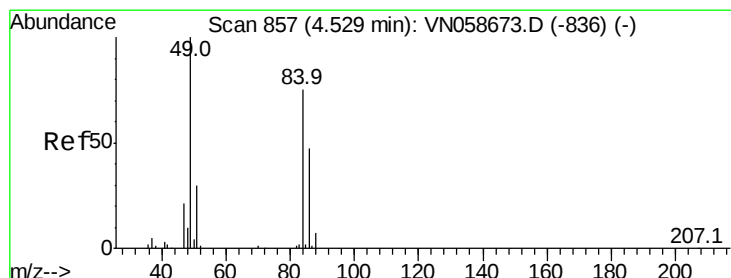
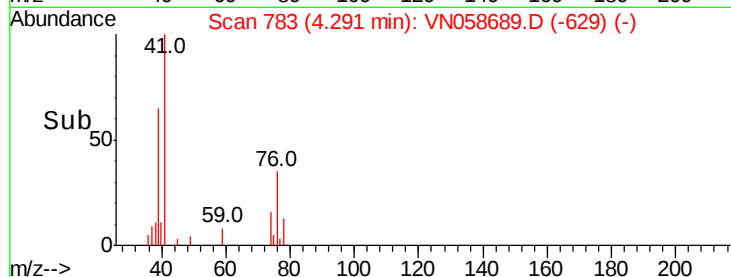
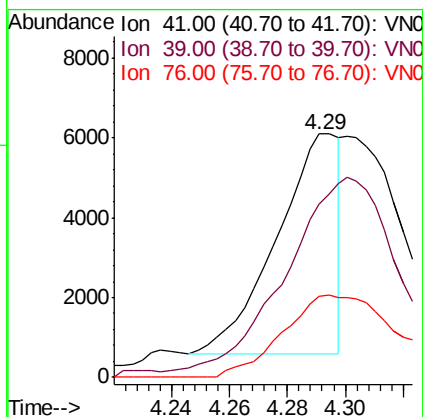
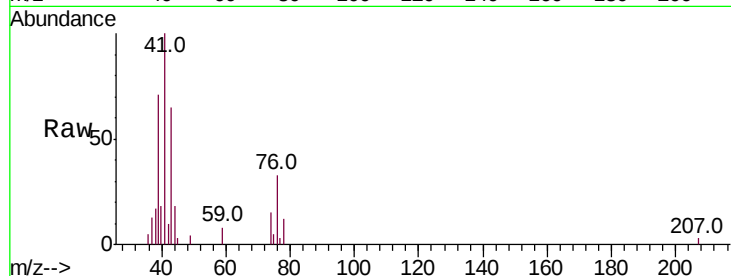
Tot Ion: 41 Resp: 8233

Ion Ratio Lower Upper

41 100

39 74.9 39.6 118.8

76 36.9 17.6 52.9



#18

Methylene Chloride

Concen: 2.997 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Tgt Ion: 84 Resp: 12944

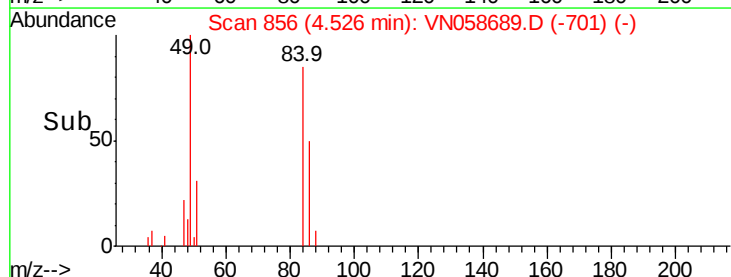
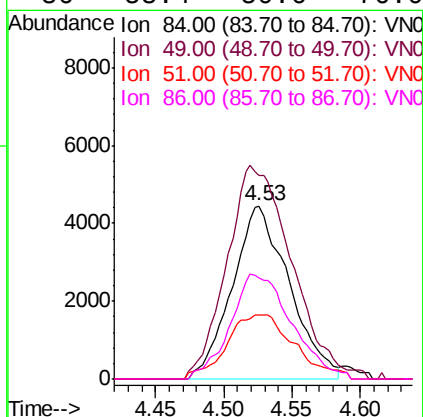
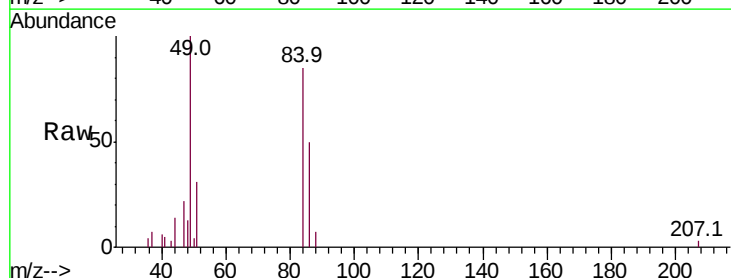
Ion Ratio Lower Upper

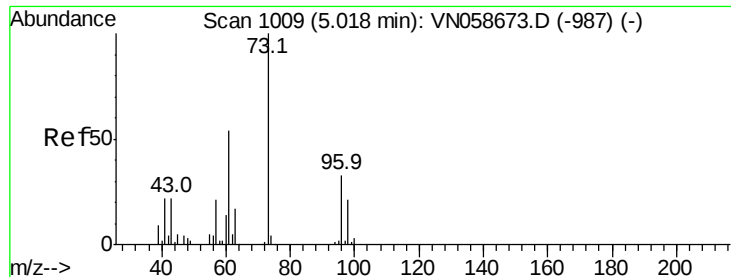
84 100

49 113.2 106.6 160.0

51 33.6 32.4 48.6

86 58.4 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 2.988 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampled :

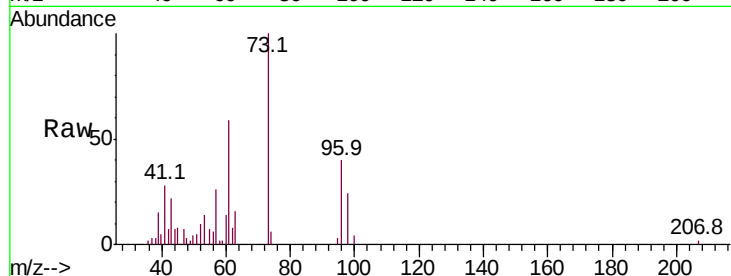
Tot Ion: 96 Resp: 11604

Ion Ratio Lower Upper

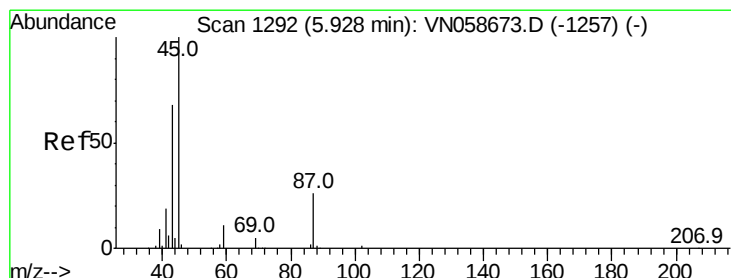
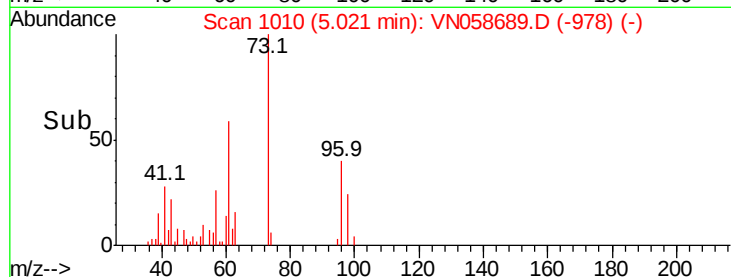
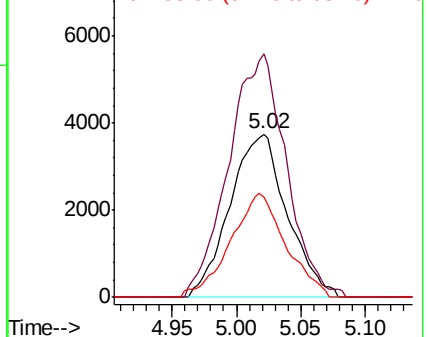
96 100

61 144.5 131.8 197.6

98 61.7 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: 2.736 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Tgt Ion: 45 Resp: 39576

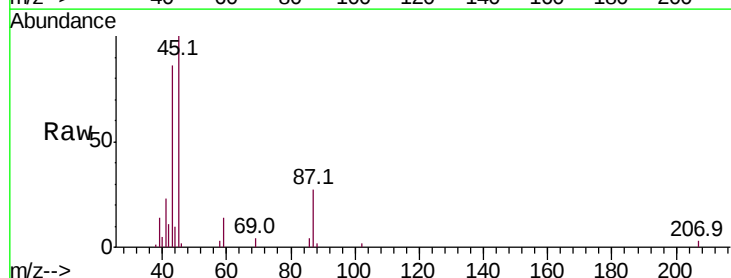
Ion Ratio Lower Upper

45 100

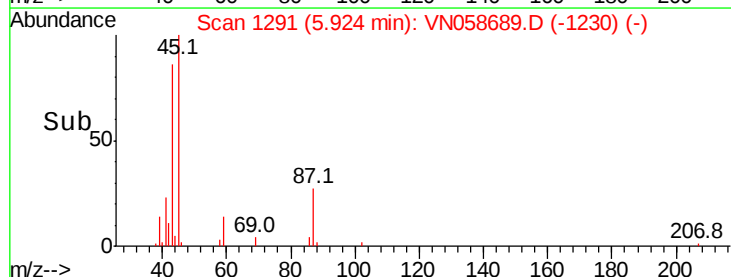
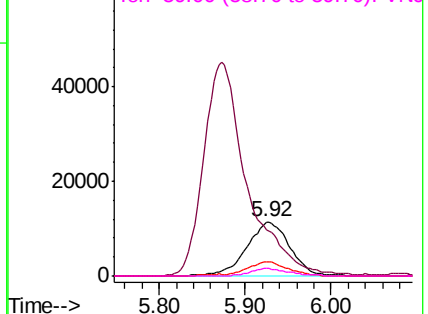
43 80.9 54.7 82.1

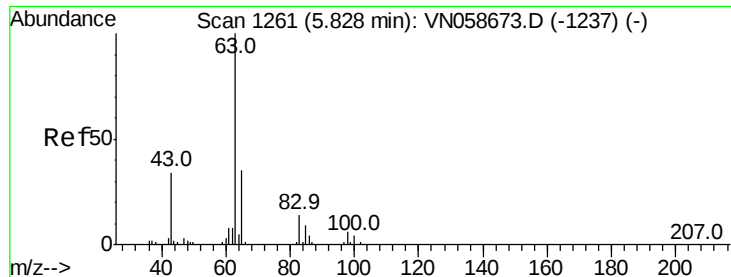
87 26.6 21.5 32.3

59 13.7 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: 2.889 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampled :

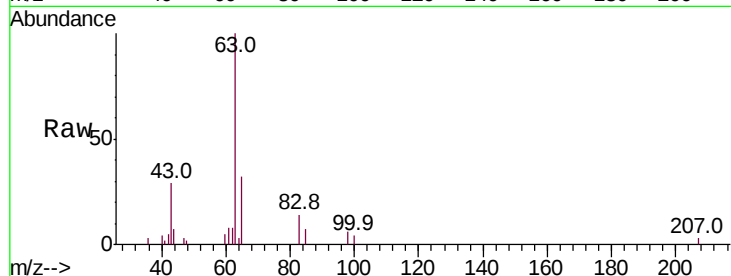
Tot Ion: 63 Resp: 23140

Ion Ratio Lower Upper

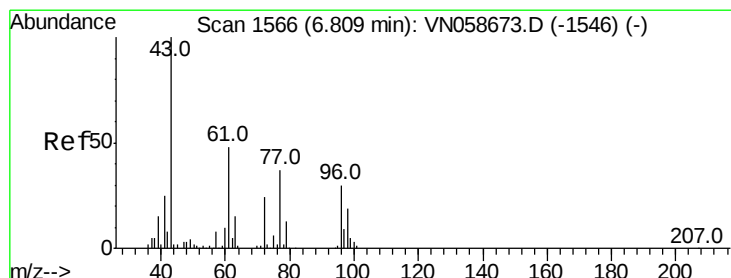
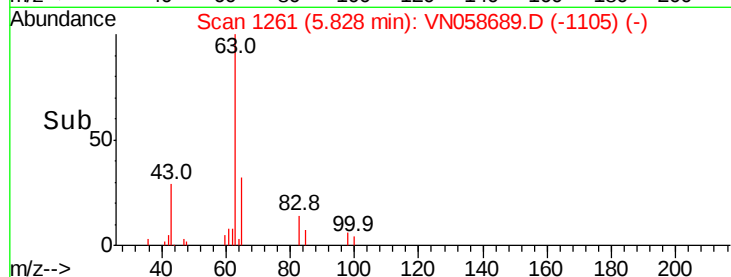
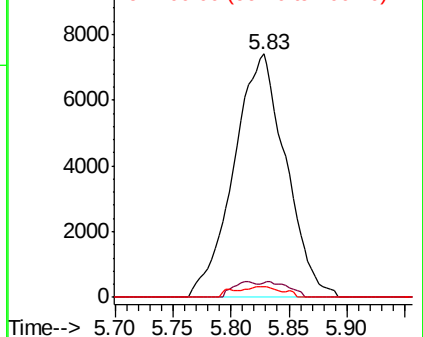
63 100

98 5.9 2.9 8.6

100 4.4 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 2.882 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

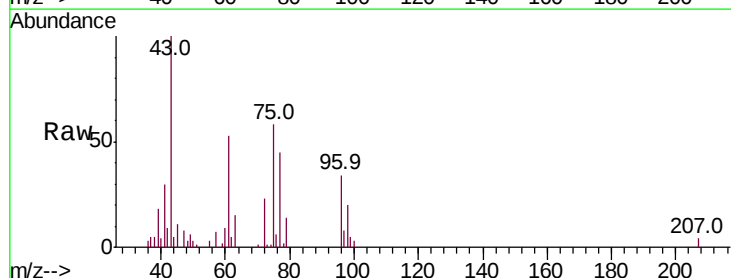
Tgt Ion: 96 Resp: 13343

Ion Ratio Lower Upper

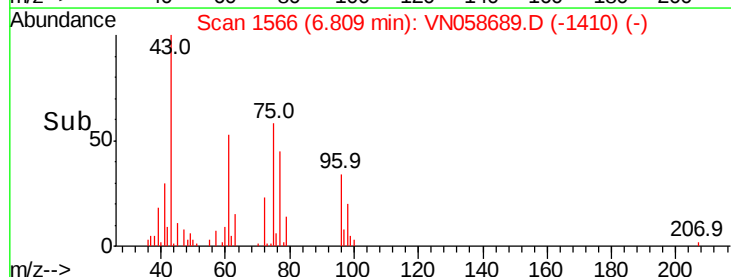
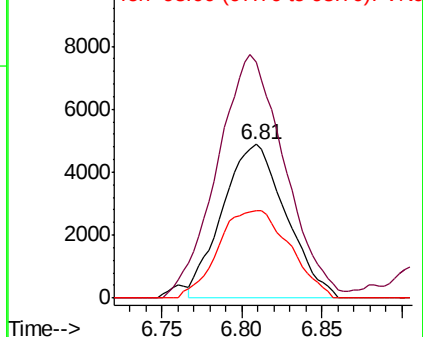
96 100

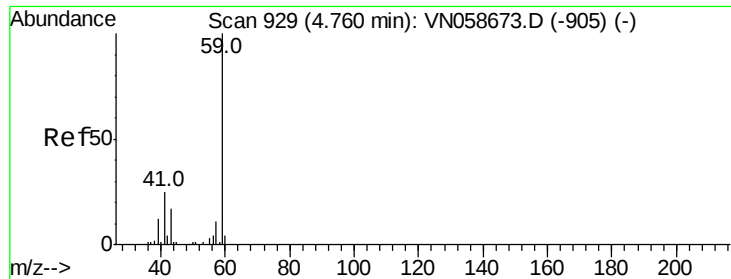
61 167.6 127.2 190.8

98 63.7 50.5 75.7



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





#23

tert-Butyl Alcohol

Concen: 5.290 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

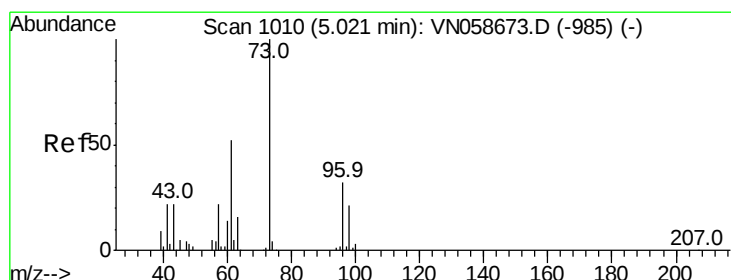
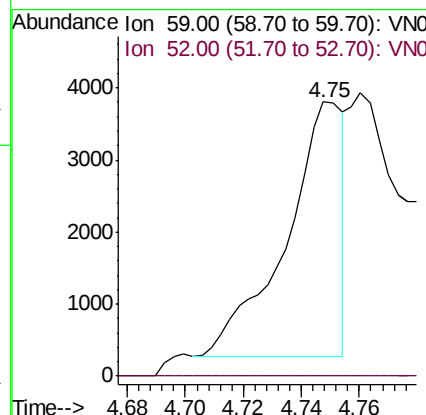
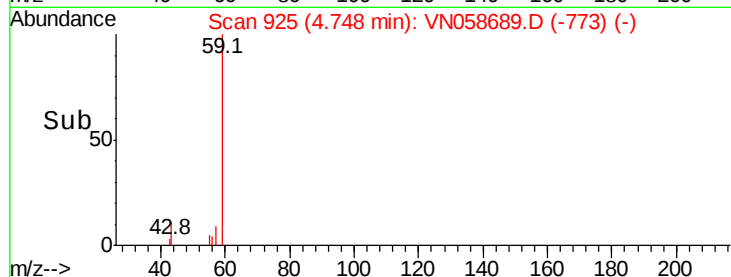
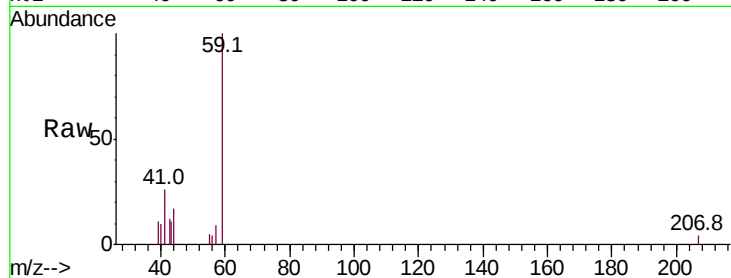
Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 4865

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



#24

Methyl tert-Butyl Ether

Concen: 1.164 ug/l

RT: 5.01 min Scan# 1006

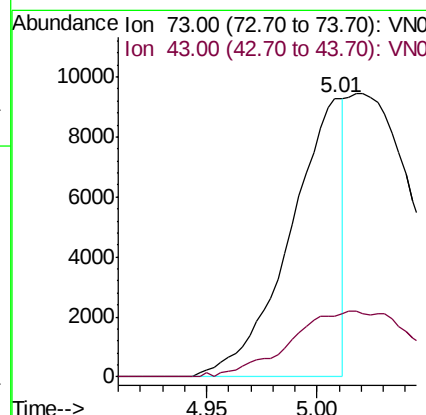
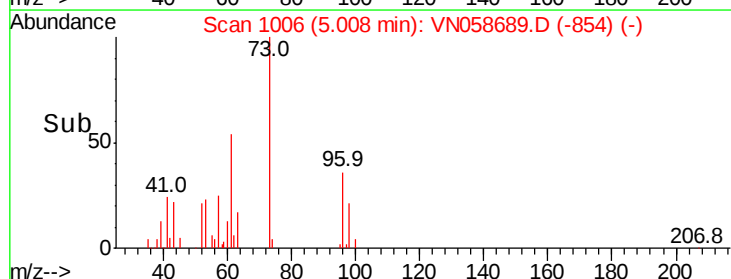
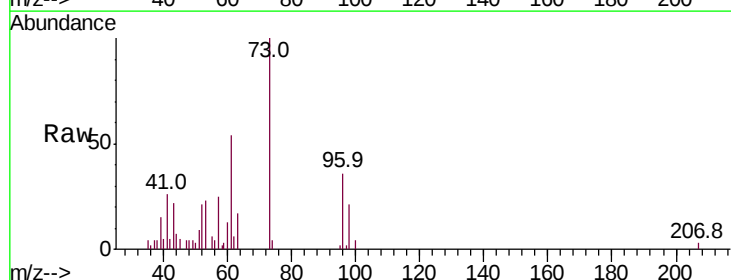
Delta R.T. -0.01 min

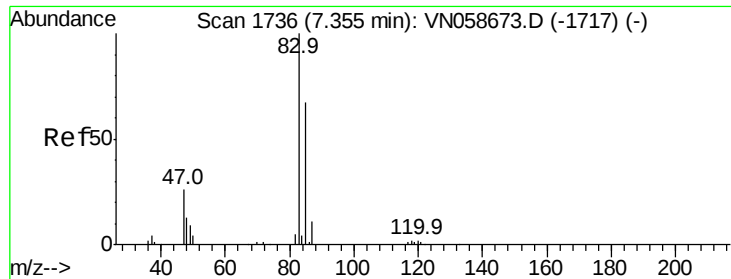
Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Tgt Ion: 73 Resp: 15494

Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.9	26.9





#25

Chloroform

Concen: 2.974 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

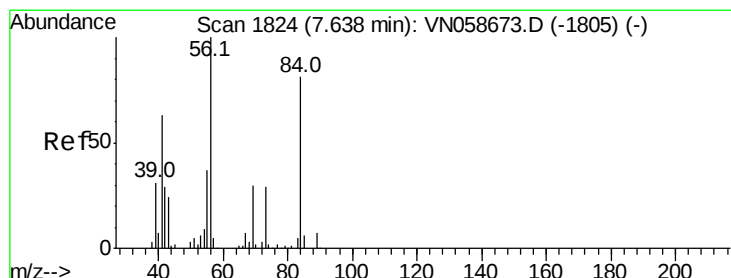
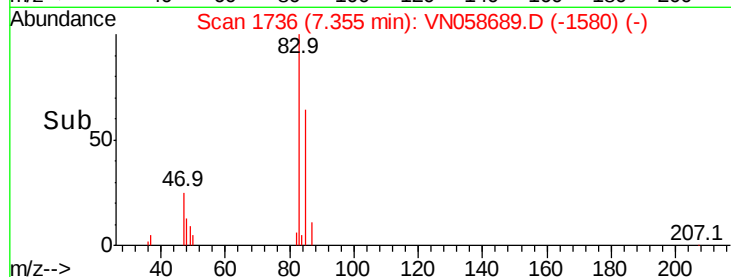
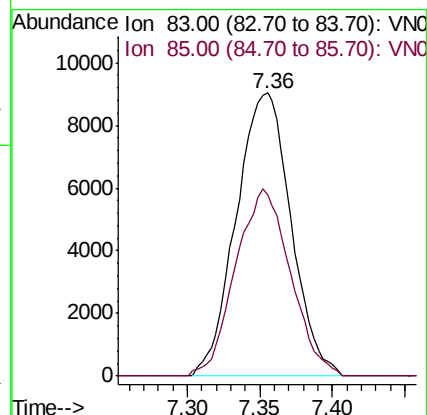
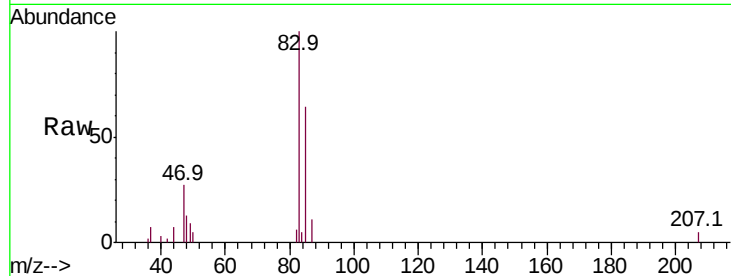
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 23758

Ion Ratio Lower Upper

83 100

85 63.7 53.8 80.8



#26

Cyclohexane

Concen: 2.712 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

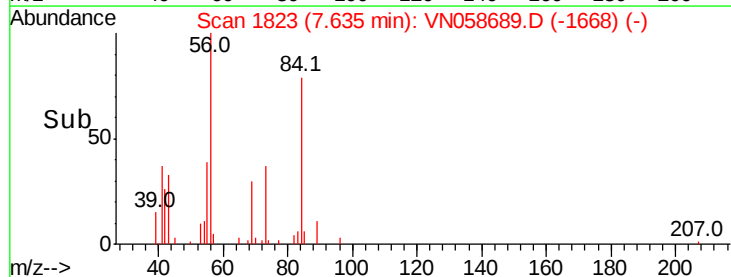
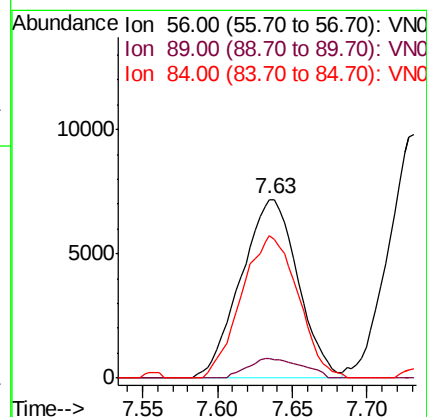
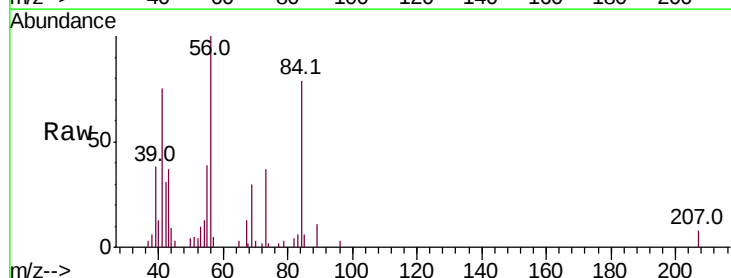
Tgt Ion: 56 Resp: 19062

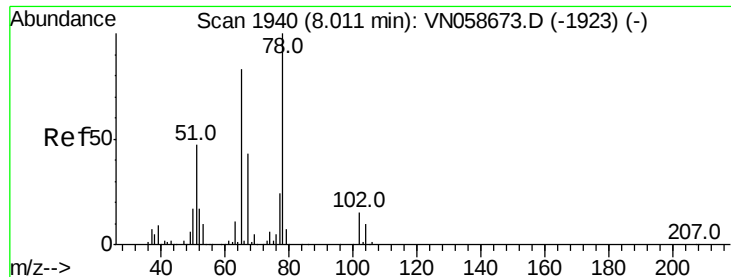
Ion Ratio Lower Upper

56 100

89 5.4 6.2 9.2#

84 78.9 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 31.975 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

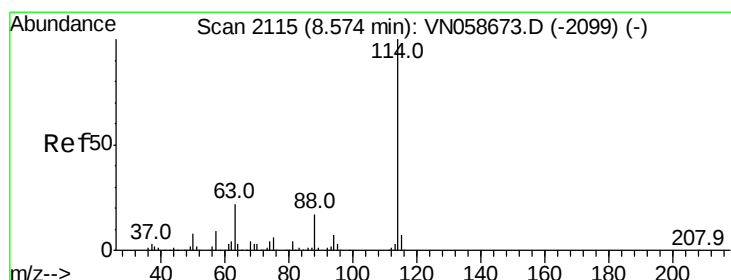
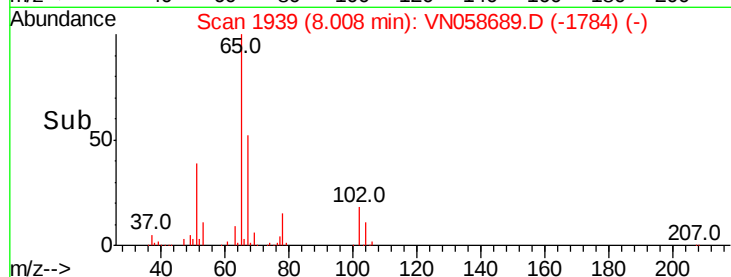
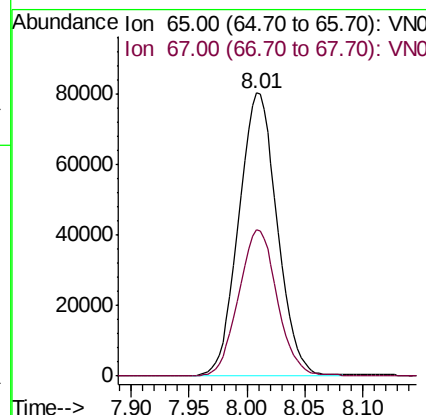
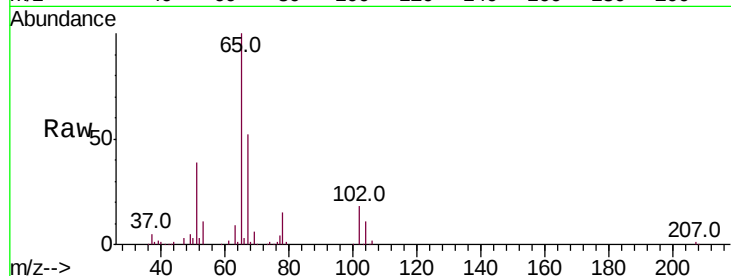
Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 185001

Ion	Ratio	Lower	Upper
65	100		
67	51.9	41.5	62.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2114

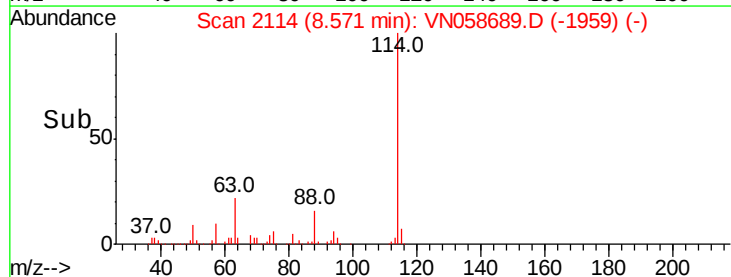
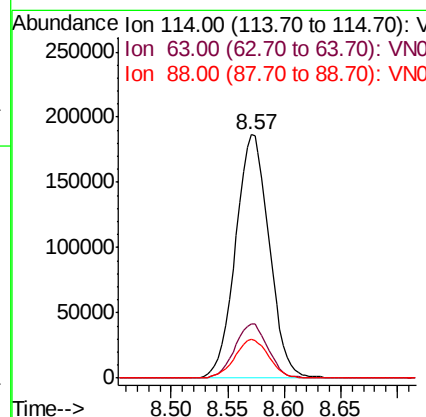
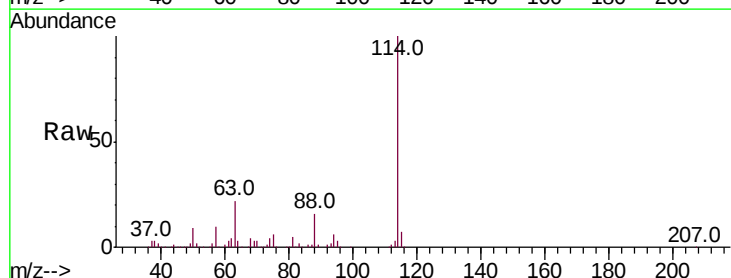
Delta R.T. -0.00 min

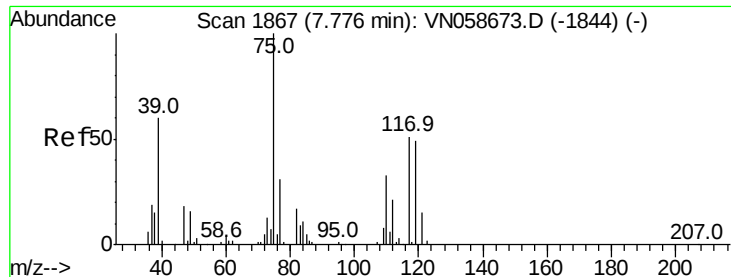
Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Tgt Ion: 114 Resp: 386349

Ion	Ratio	Lower	Upper
114	100		
63	22.2	18.1	27.1
88	16.0	13.0	19.4

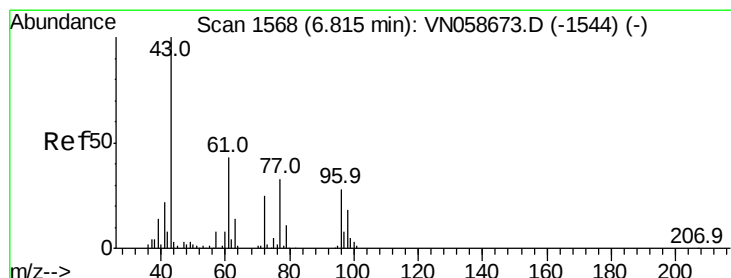
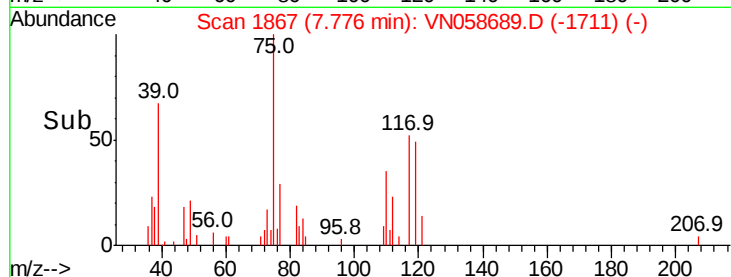
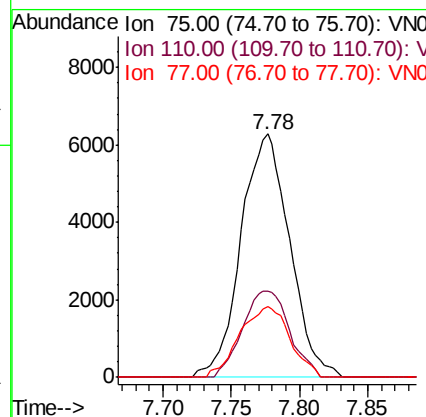
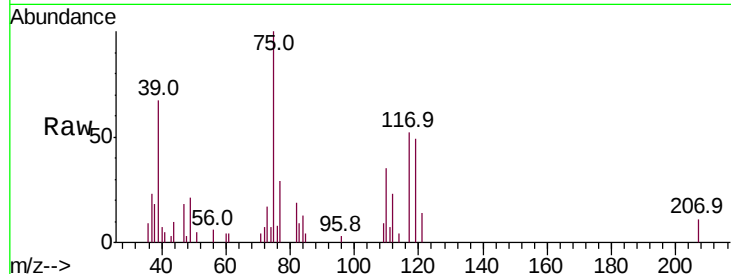




#29
 1,1-Dichloropropene
 Concen: 2.567 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

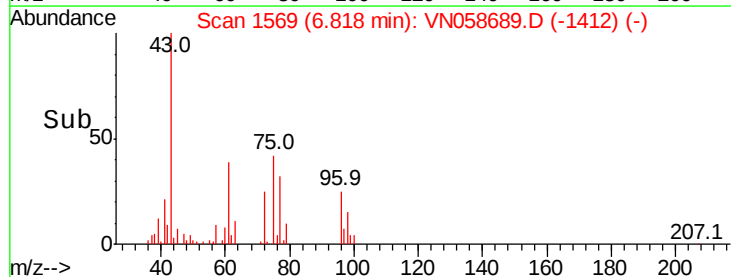
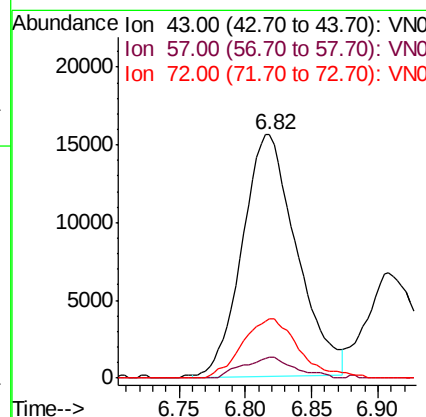
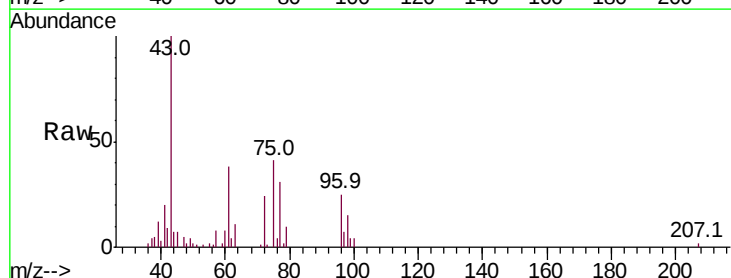
Instrument :
 MSVOA_N
 ClientSampled :

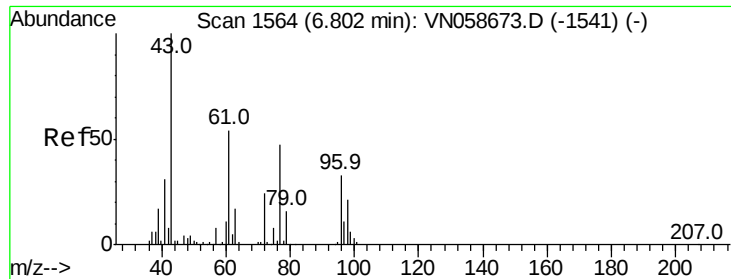
Tot Ion	Ratio	Lower	Upper
75	100		
110	34.0	0.0	64.6
77	29.9	0.0	60.8



#30
 2-Butanone
 Concen: 12.970 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.5	9.7
72	25.5	20.1	30.1

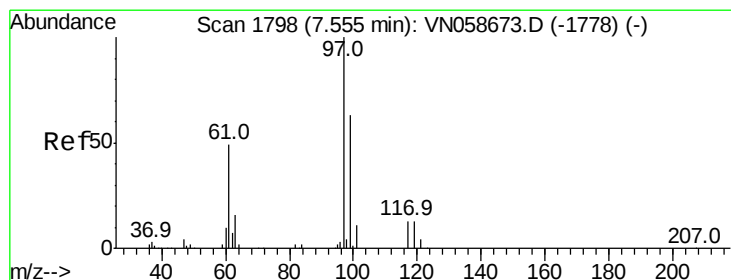
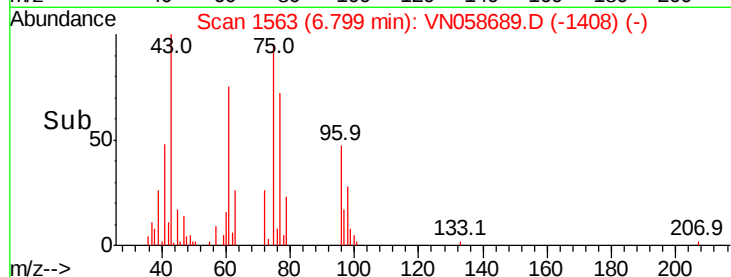
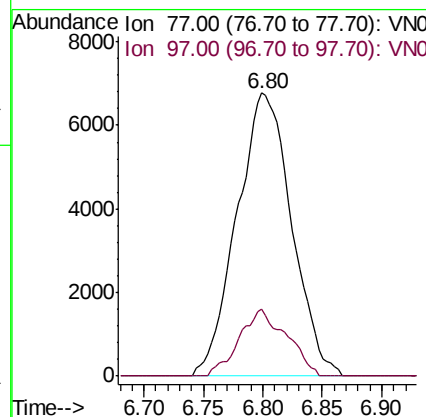
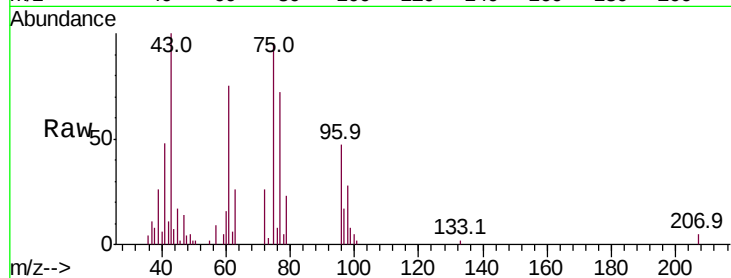




#31
 2,2-Dichloropropane
 Concen: 3.011 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

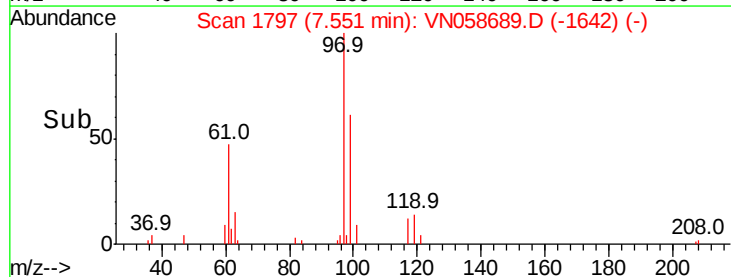
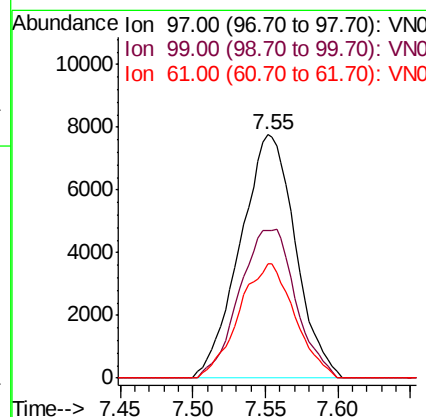
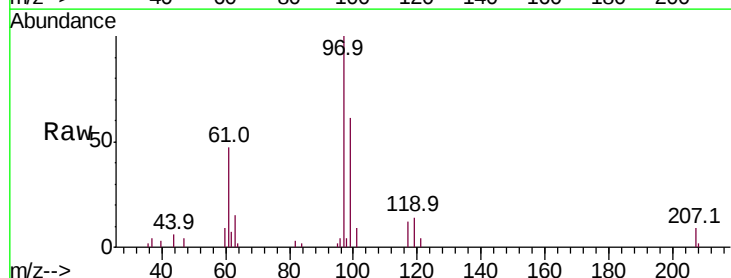
Instrument :
 MSVOA_N
 ClientSampled :

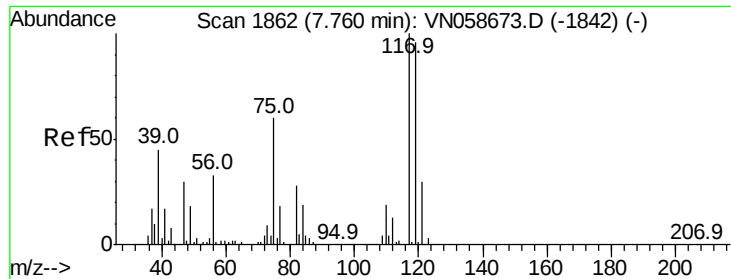
Tot Ion: 77 Resp: 21585
 Ion Ratio Lower Upper
 77 100
 97 20.5 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 2.923 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

Tgt Ion: 97 Resp: 20558
 Ion Ratio Lower Upper
 97 100
 99 37.6 51.3 76.9#
 61 47.3 38.4 57.6

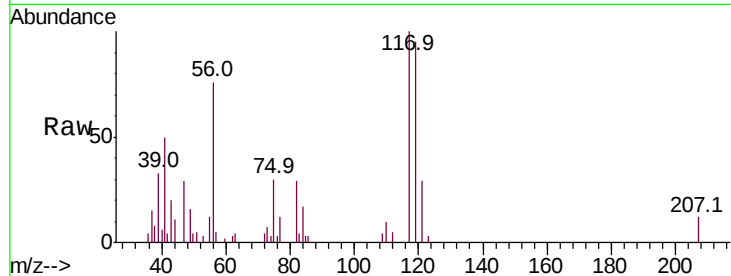




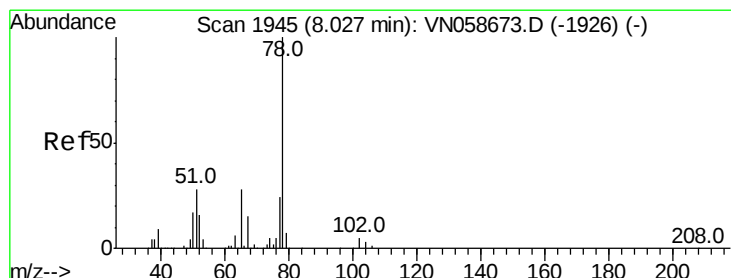
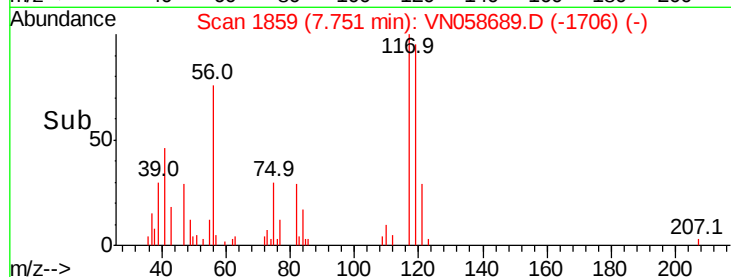
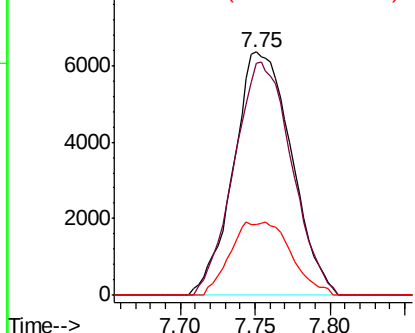
#33
Carbon Tetrachloride
Concen: 2.799 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 17039
Ion Ratio Lower Upper
117 100
119 95.2 76.9 115.3
121 29.1 23.8 35.8

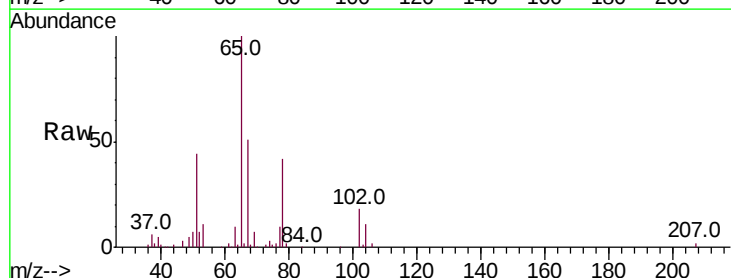


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

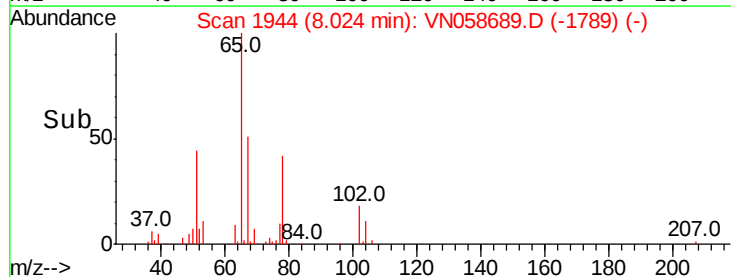
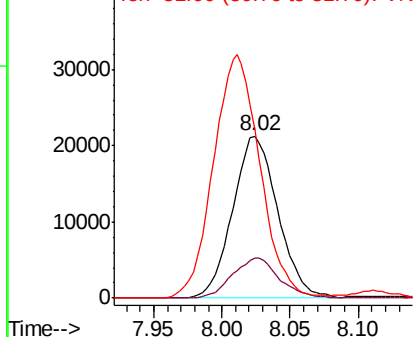


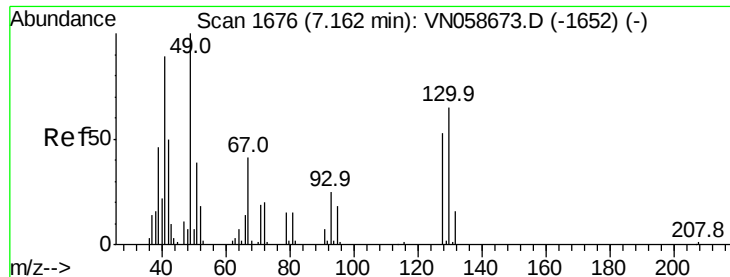
#34
Benzene
Concen: 2.728 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion: 78 Resp: 48849
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8
51 102.2 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

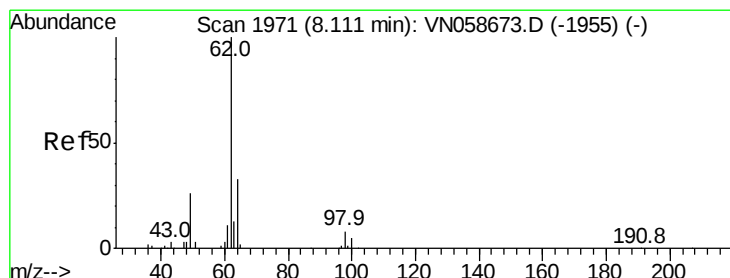
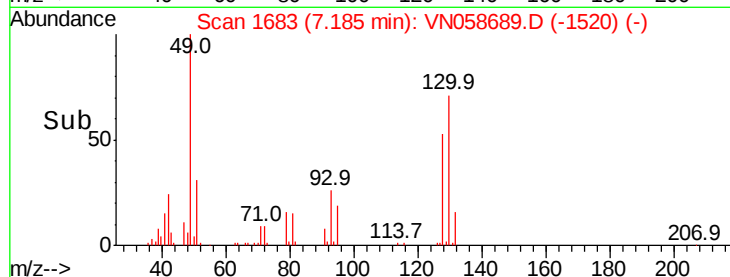
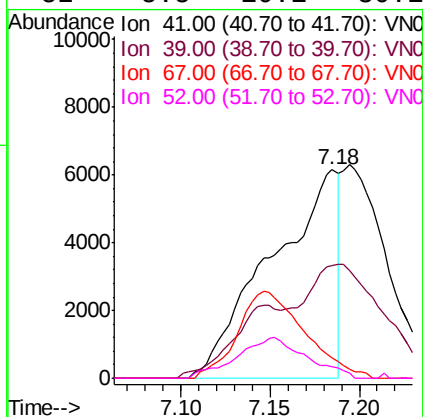
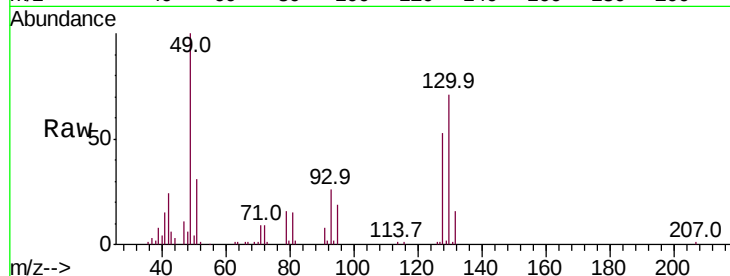




#35
Methacrylonitrile
Concen: 5.297 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.02 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

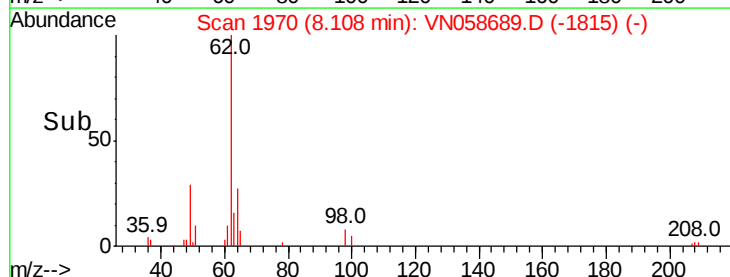
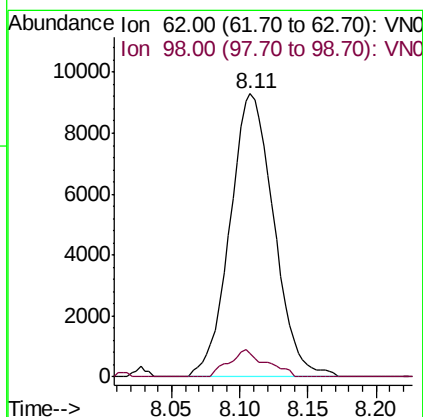
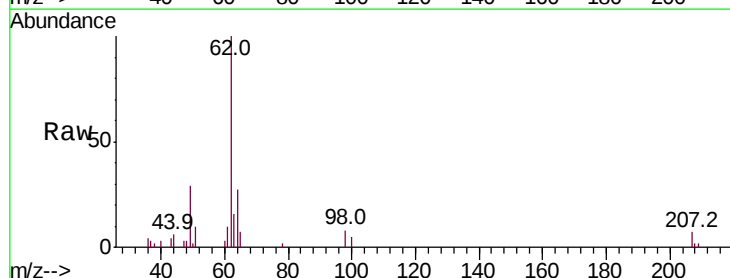
Instrument :
MSVOA_N
ClientSampleId :

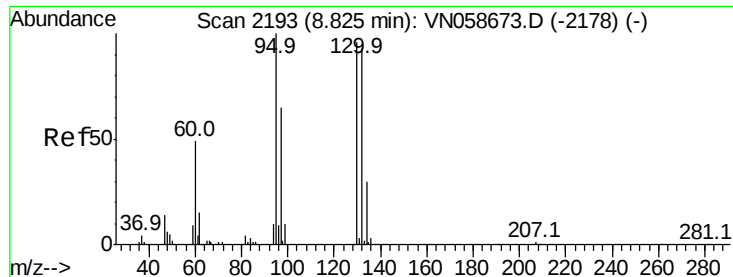
Tot Ion: 41 Resp: 16082
Ion Ratio Lower Upper
41 100
39 50.9 25.8 77.4
67 9.8 23.0 69.0#
52 5.5 10.1 30.1#



#36
1,2-Dichloroethane
Concen: 3.035 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion: 62 Resp: 20775
Ion Ratio Lower Upper
62 100
98 6.2 6.4 9.6#

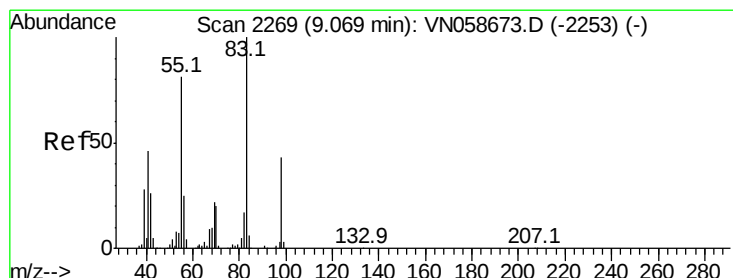
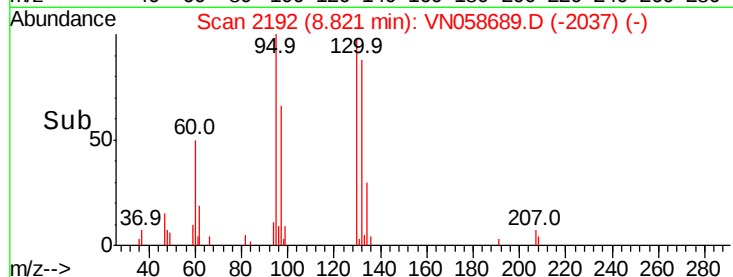
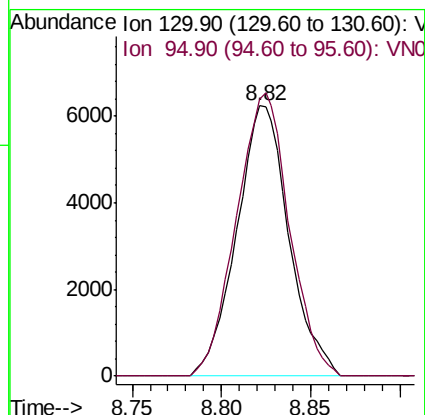
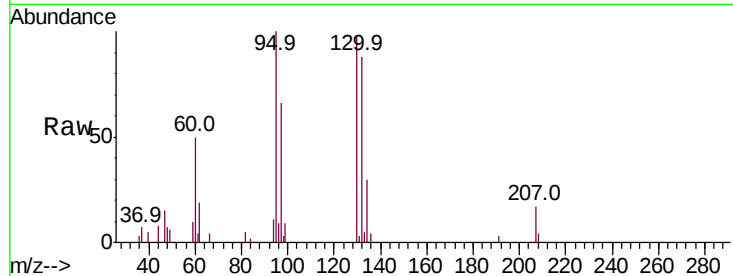




#37
 Trichloroethene
 Concen: 2.894 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

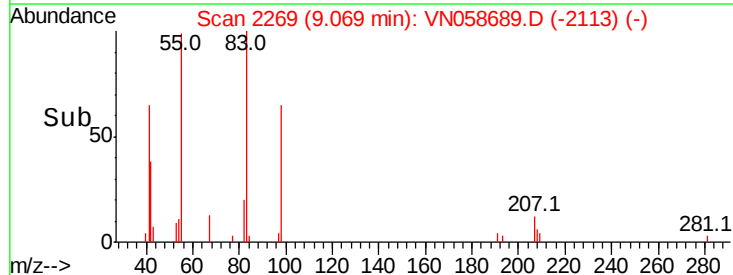
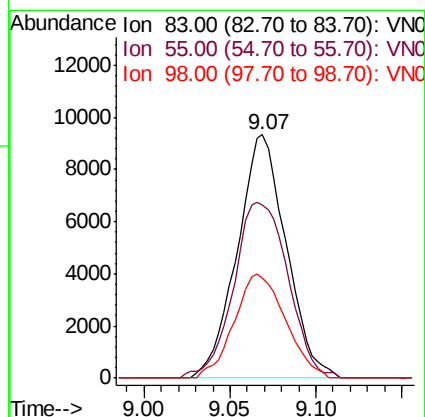
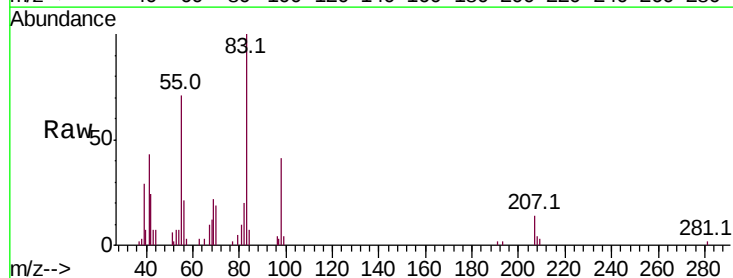
Instrument :
 MSVOA_N
 ClientSampleId :

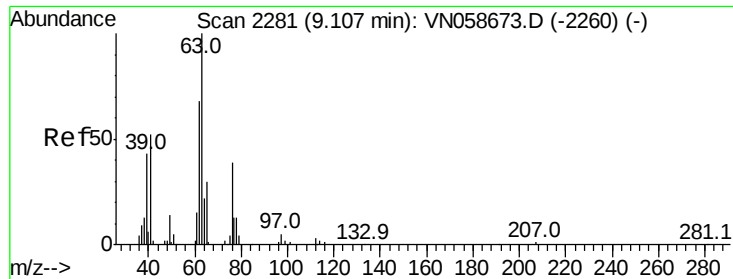
Tot Ion:130 Resp: 12731
 Ion Ratio Lower Upper
 130 100
 95 102.4 83.2 124.8



#38
 Methylcyclohexane
 Concen: 2.621 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

Tgt Ion: 83 Resp: 18478
 Ion Ratio Lower Upper
 83 100
 55 79.9 40.4 121.1
 98 44.8 21.6 65.0





#39

1,2-Dichloropropane

Concen: 2.929 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

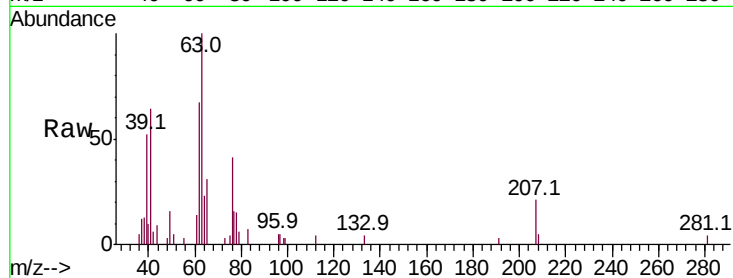
ClientSampleId :

Tot Ion: 63 Resp: 14334

Ion Ratio Lower Upper

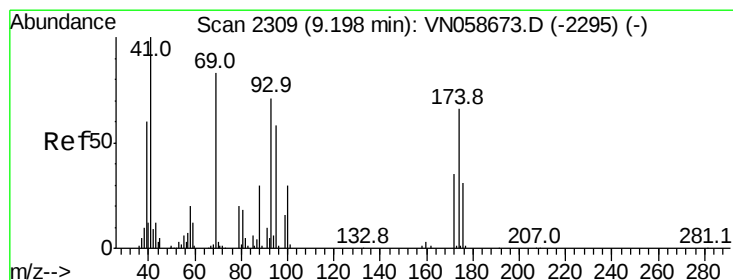
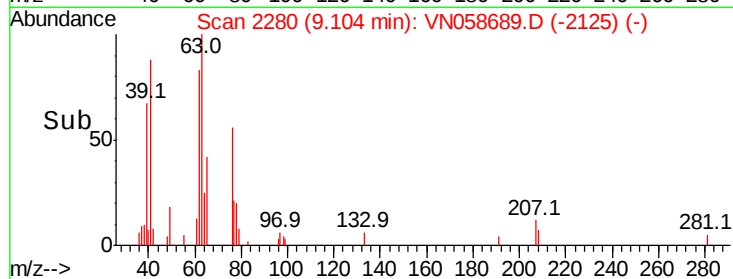
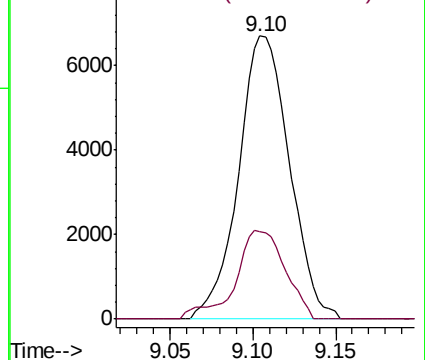
63 100

65 31.1 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 2.867 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

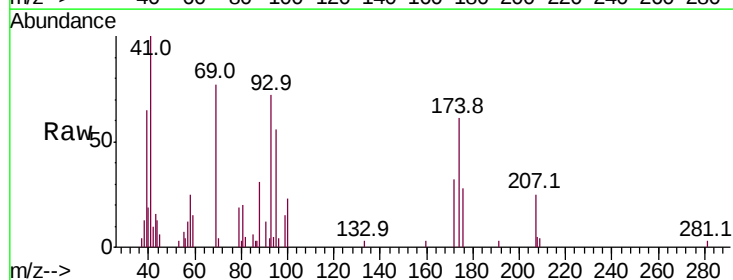
Tgt Ion: 93 Resp: 8857

Ion Ratio Lower Upper

93 100

95 85.0 0.0 167.6

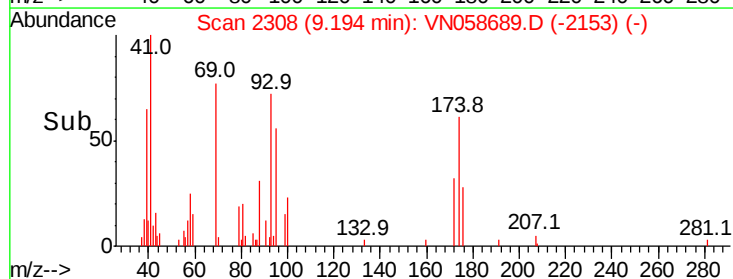
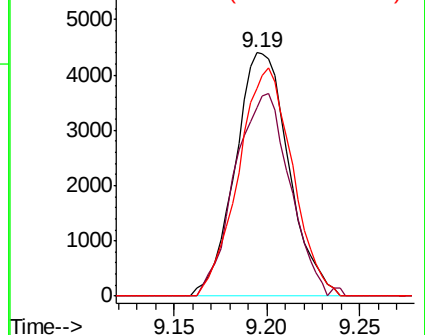
174 93.9 0.0 187.2

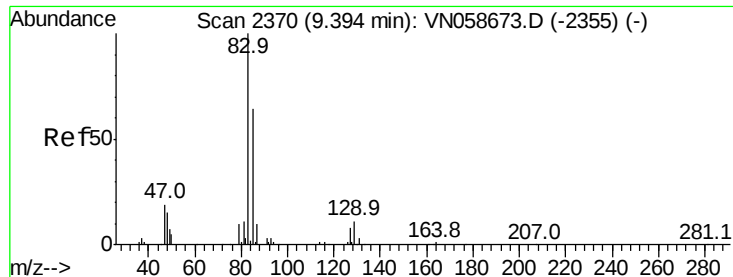


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 2.709 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :

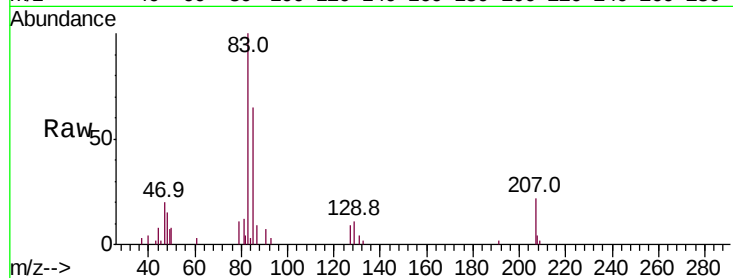
Tot Ion: 83 Resp: 17093

Ion Ratio Lower Upper

83 100

85 65.5 51.0 76.4

127 8.8 6.6 9.8

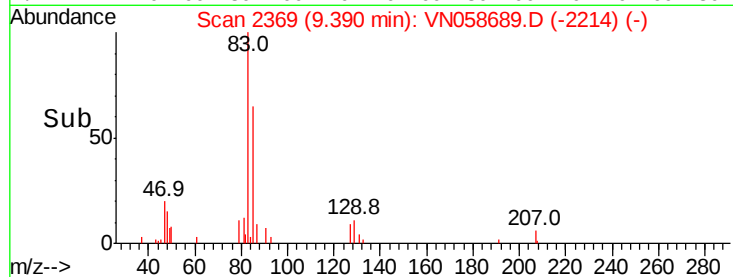


Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2355) (-)

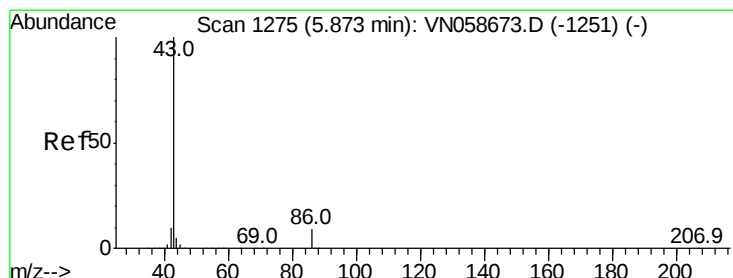
Ion 85.00 (84.70 to 85.70): VN058673.D (-2355) (-)

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

9.39



Time-->



#42

Vinyl Acetate

Concen: 13.192 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058689.D

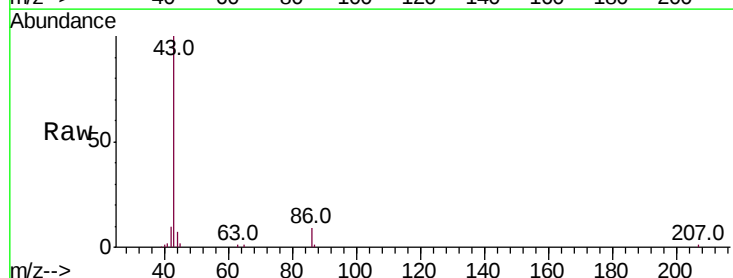
Acq: 11 Oct 2019 9:41

Tgt Ion: 43 Resp: 158782

Ion Ratio Lower Upper

43 100

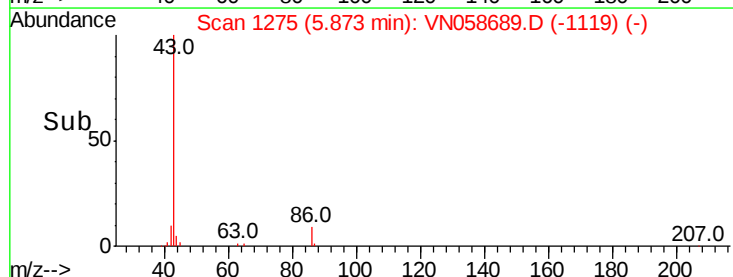
86 7.6 6.5 9.7



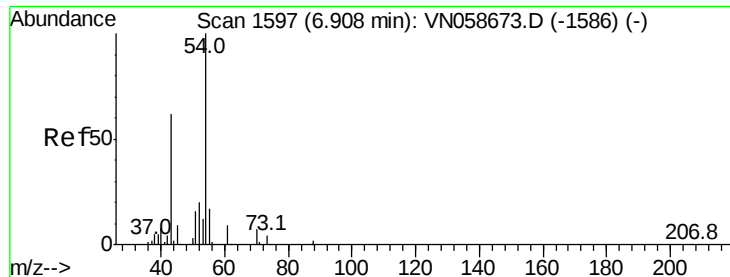
Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1251) (-)

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

5.87



Time-->



#43

Ethyl Acetate

Concen: 2.420 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

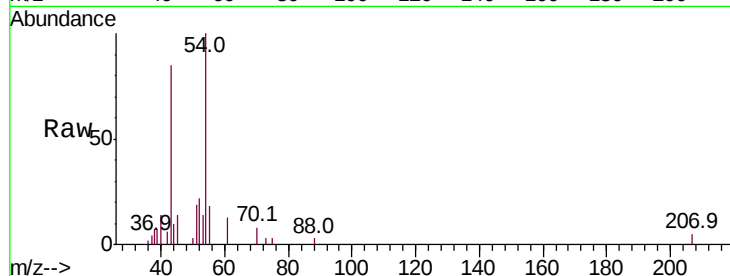
ClientSampleId :

Tot Ion: 43 Resp: 16326

Ion Ratio Lower Upper

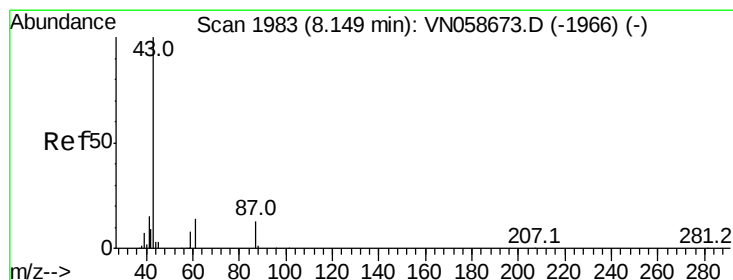
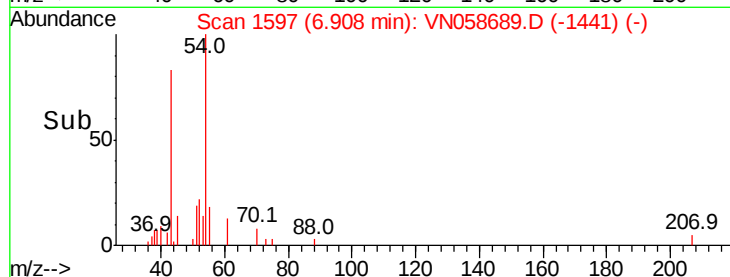
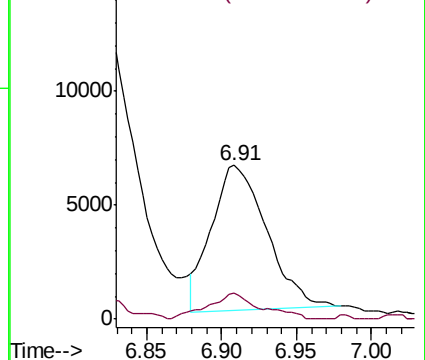
43 100

45 13.9 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 2.683 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058689.D

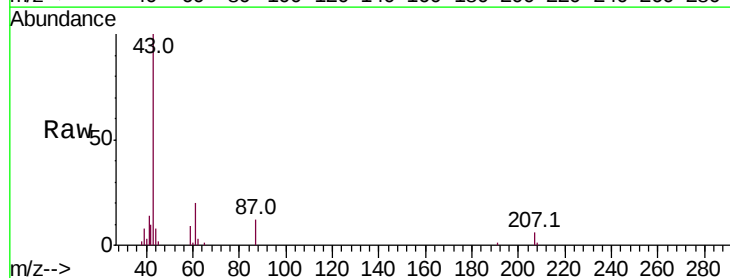
Acq: 11 Oct 2019 9:41

Tgt Ion: 43 Resp: 29311

Ion Ratio Lower Upper

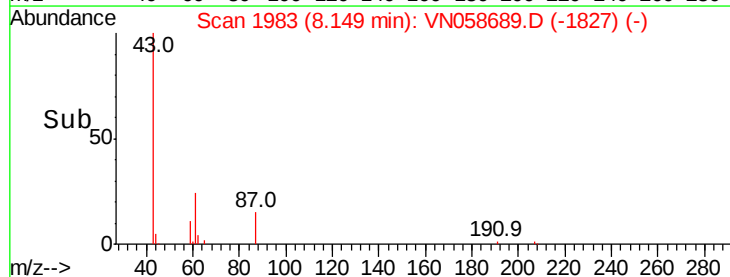
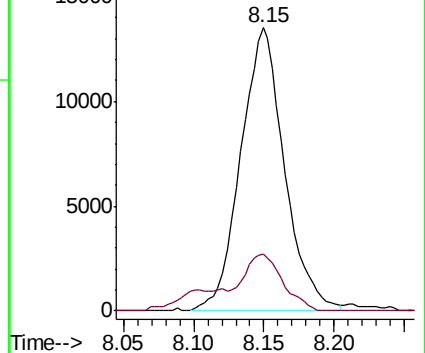
43 100

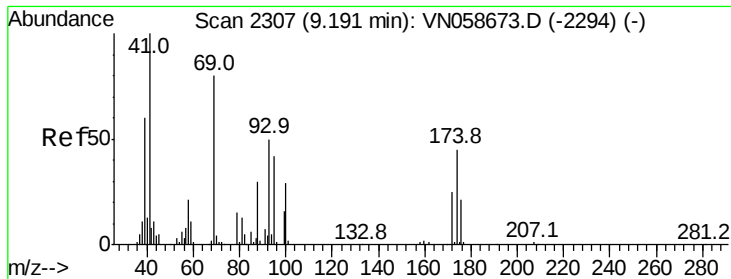
61 17.7 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 58.343 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :

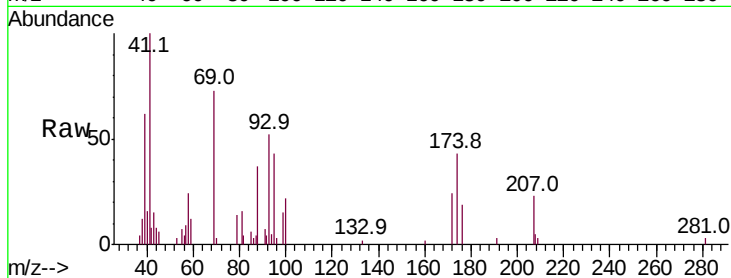
Tot Ion: 88 Resp: 4895

Ion Ratio Lower Upper

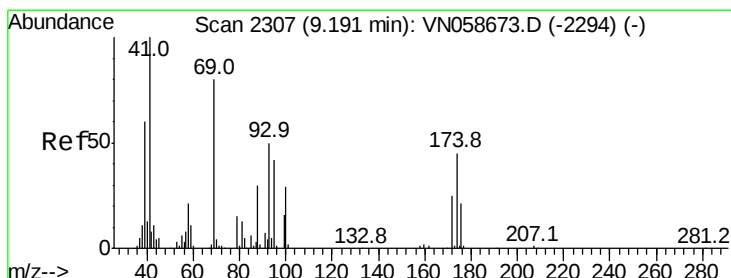
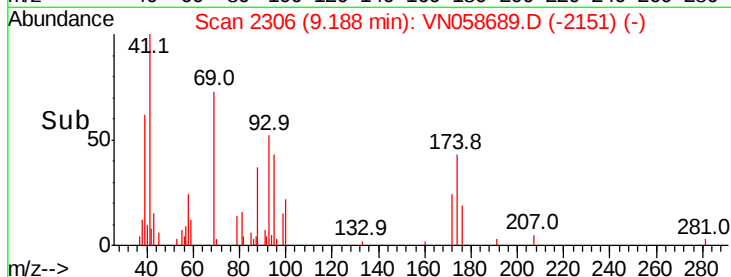
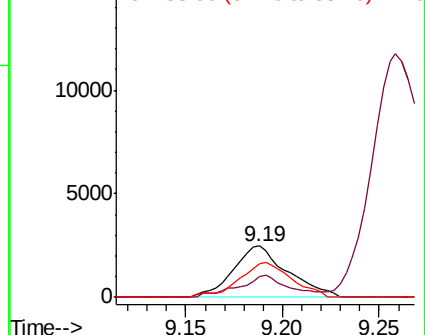
88 100

43 24.3 29.8 44.8#

58 64.4 58.2 87.4



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



#46

Methyl methacrylate

Concen: 2.442 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

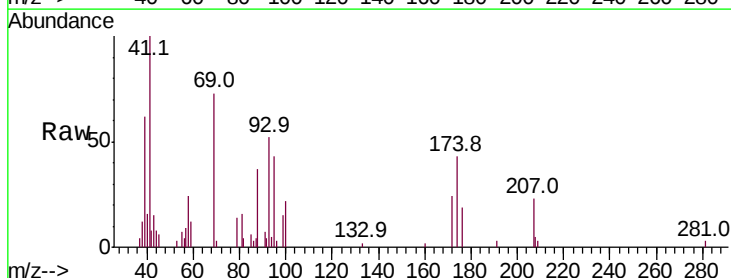
Tgt Ion: 41 Resp: 12250

Ion Ratio Lower Upper

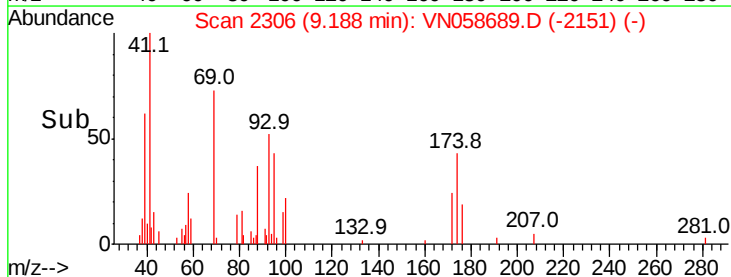
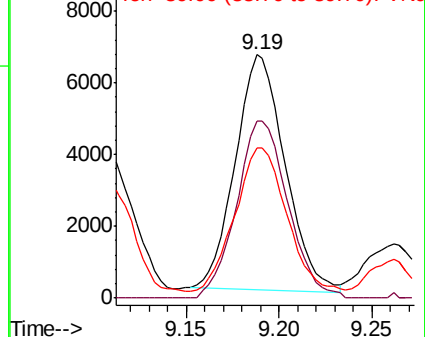
41 100

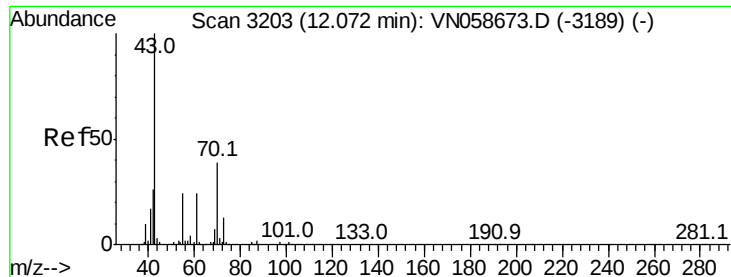
69 75.9 40.2 120.5

39 61.4 29.9 89.8



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

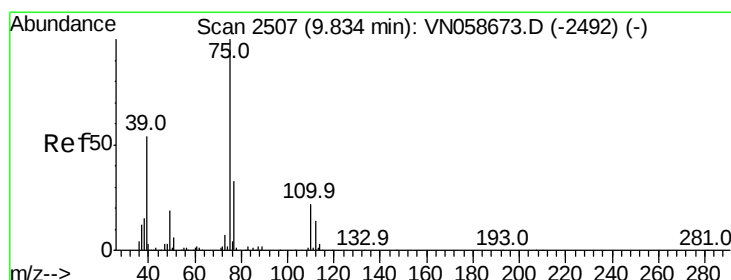
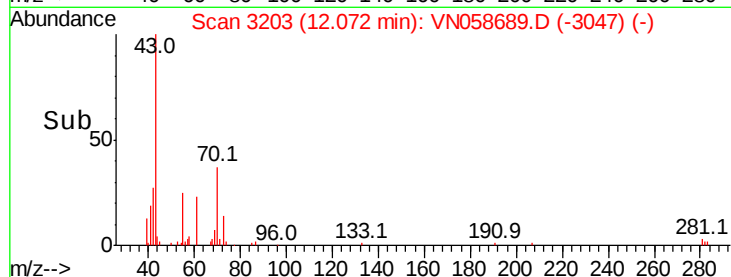
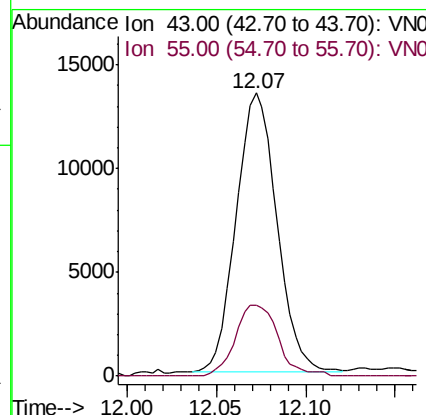
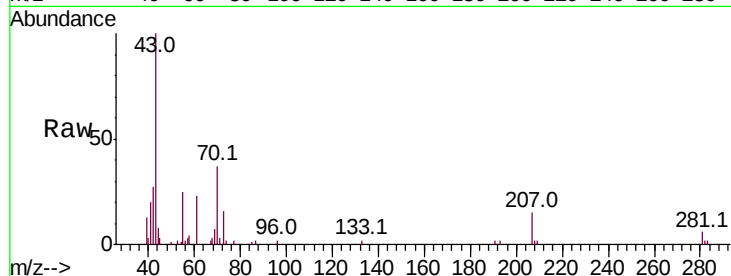




#47
n-amyl Acetate
Concen: 2.196 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

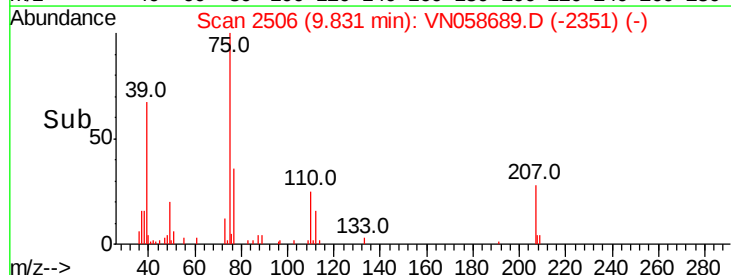
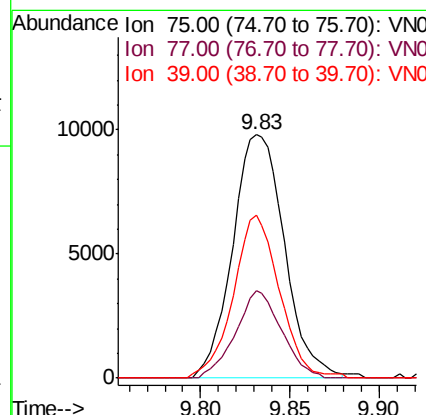
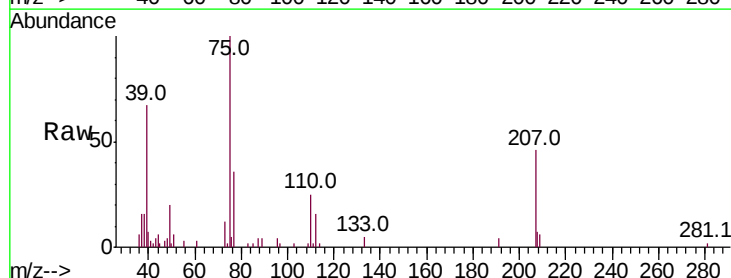
Instrument :
MSVOA_N
ClientSampleId :

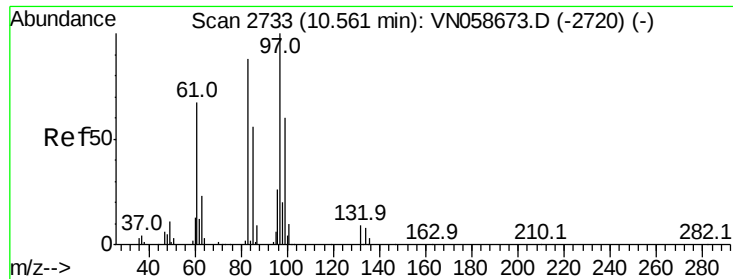
Tot Ion: 43 Resp: 21269
Ion Ratio Lower Upper
43 100
55 26.5 19.6 29.4



#49
cis-1,3-Dichloropropene
Concen: 2.590 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion: 75 Resp: 19904
Ion Ratio Lower Upper
75 100
77 35.9 26.1 39.1
39 65.3 43.1 64.7#





#50

1,1,2-Trichloroethane

Concen: 2.922 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 12883

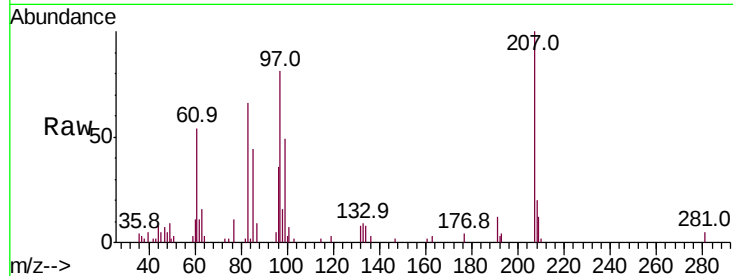
Ion Ratio Lower Upper

97 100

83 81.3 70.7 106.1

85 53.8 45.1 67.7

99 60.1 48.2 72.4

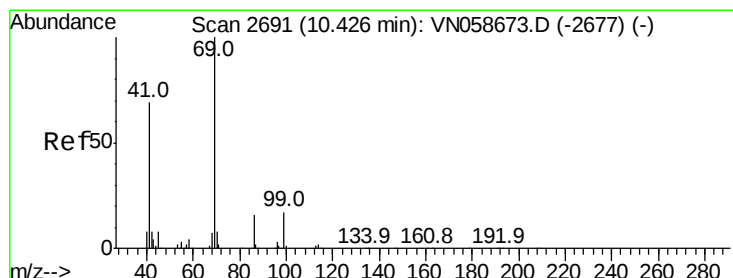
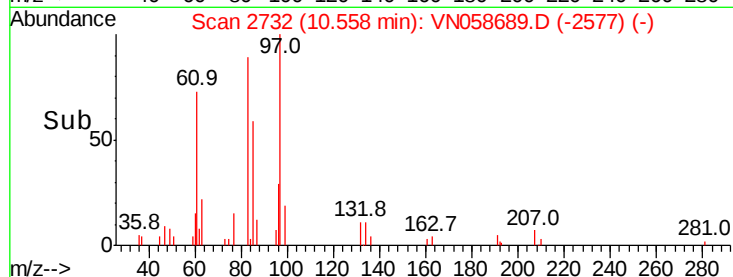
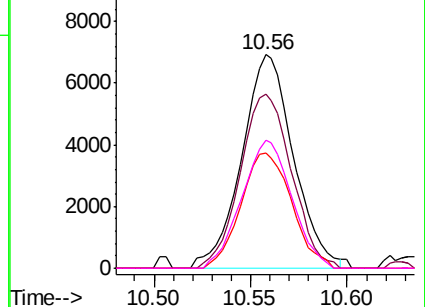


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51

Ethyl methacrylate

Concen: 2.270 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

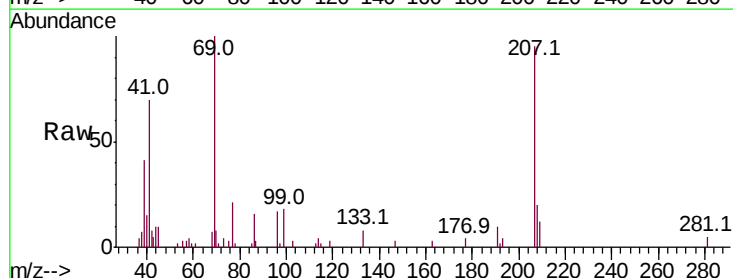
Tgt Ion: 69 Resp: 16005

Ion Ratio Lower Upper

69 100

41 66.6 34.7 104.1

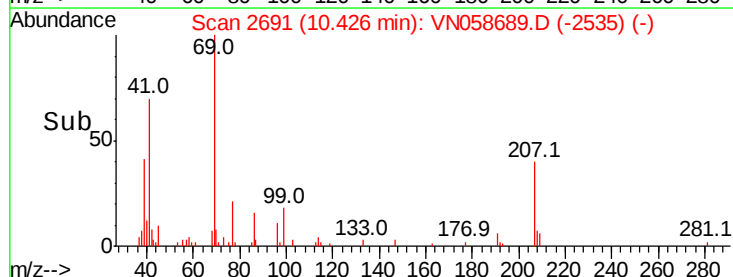
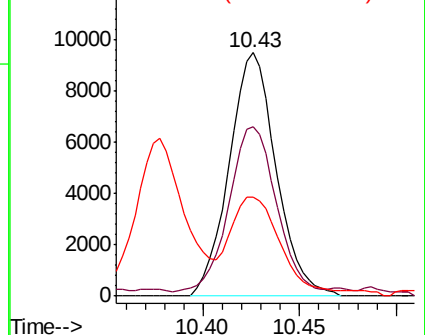
39 38.5 20.3 60.8

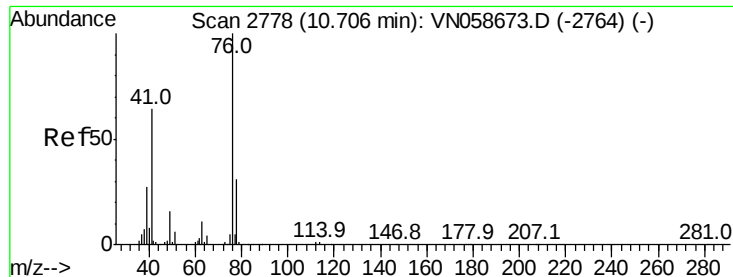


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 2.739 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

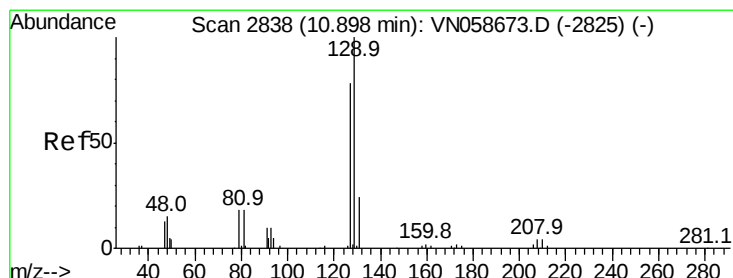
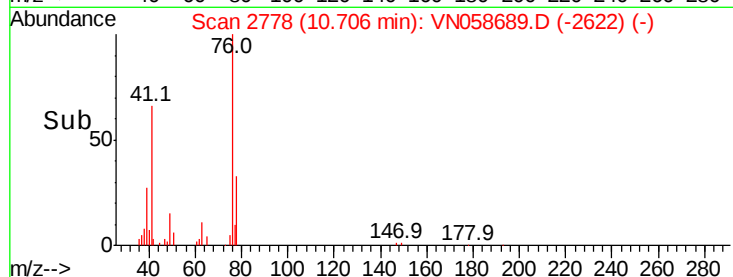
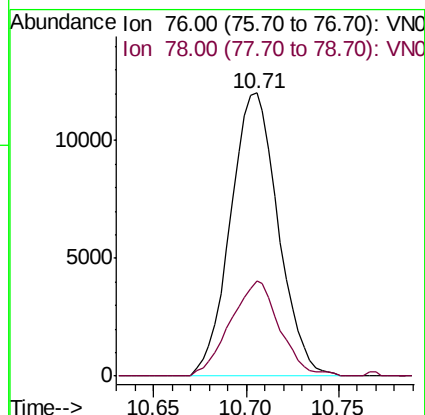
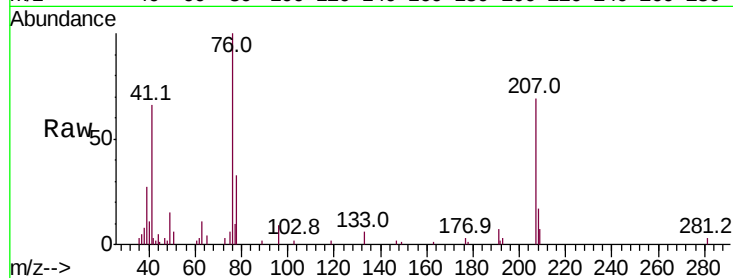
ClientSampled :

Tot Ion: 76 Resp: 21512

Ion Ratio Lower Upper

76 100

78 34.5 0.0 63.2



#53

Dibromochloromethane

Concen: 2.548 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058689.D

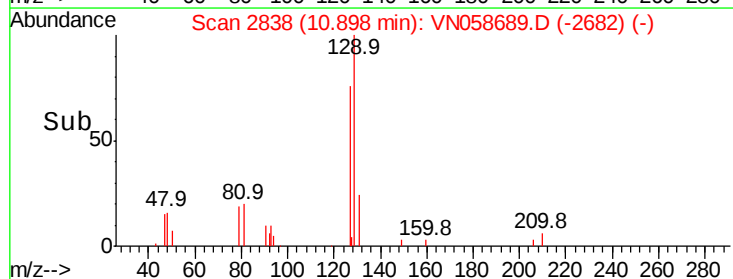
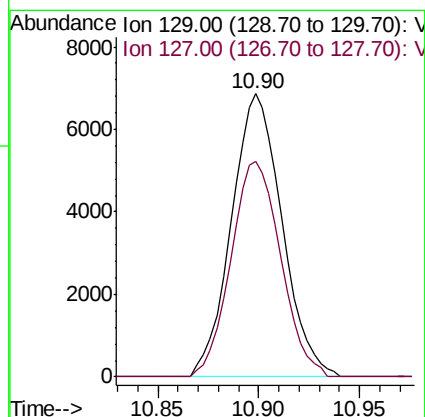
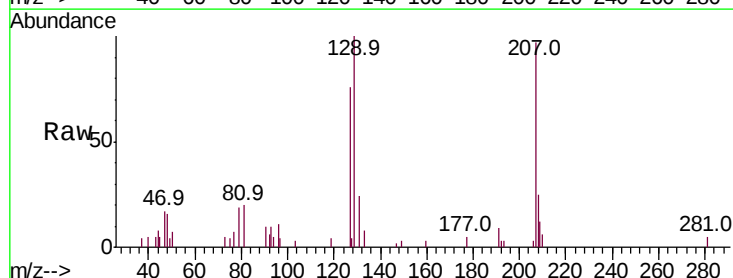
Acq: 11 Oct 2019 9:41

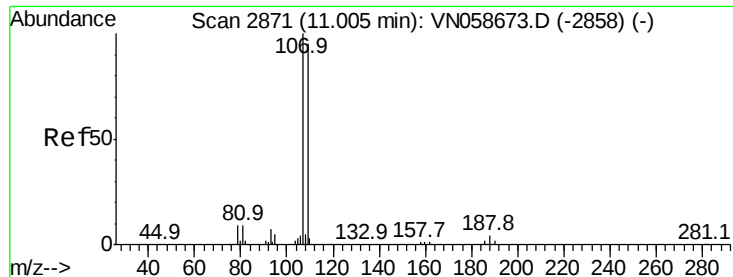
Tgt Ion: 129 Resp: 12056

Ion Ratio Lower Upper

129 100

127 74.7 39.1 117.5

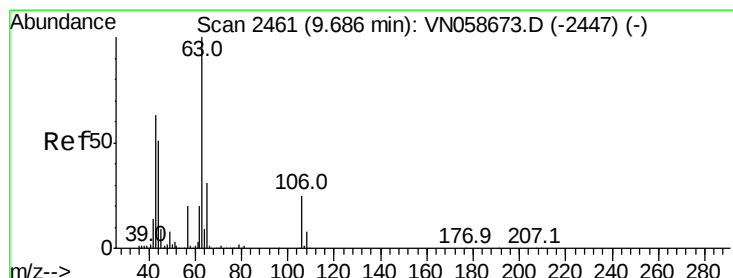
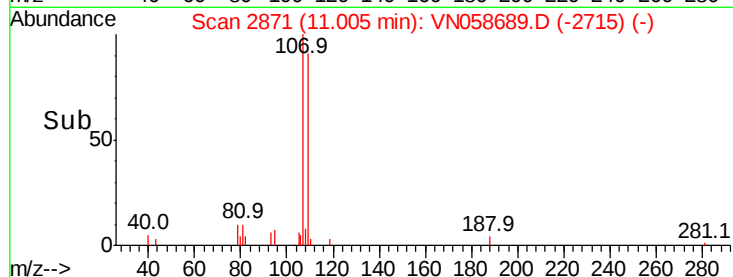
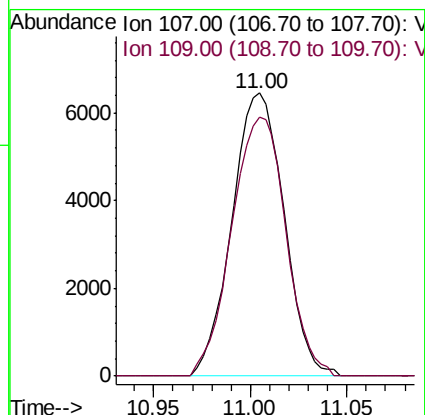
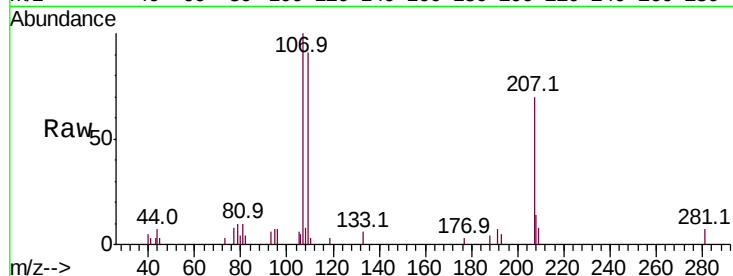




#54
 1,2-Dibromoethane
 Concen: 2.643 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

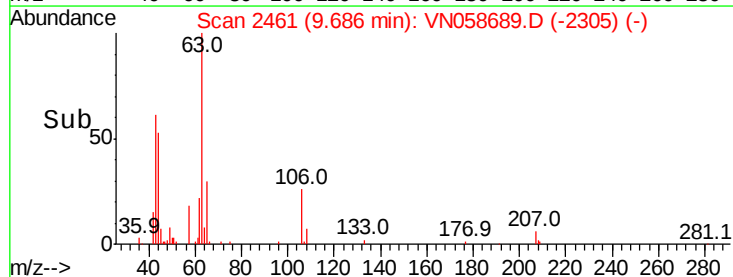
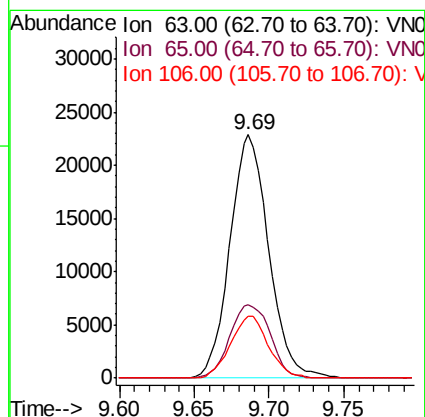
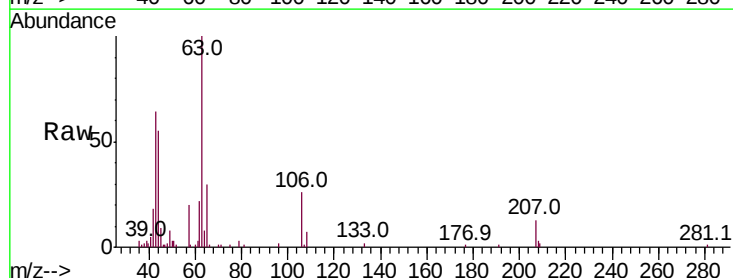
Instrument :
 MSVOA_N
 ClientSampleId :

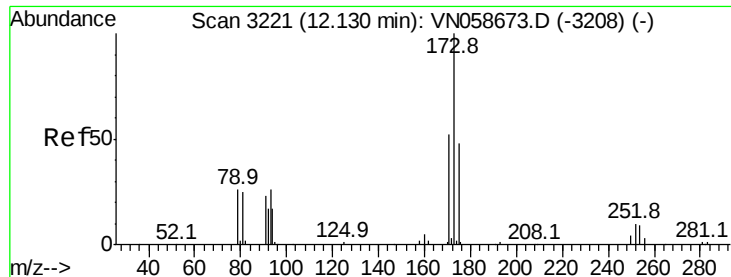
Tot Ion: 107 Resp: 12079
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.2 114.4



#55
 2-Chloroethyl vinyl ether
 Concen: 11.783 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

Tgt Ion: 63 Resp: 41328
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.3 37.9
 106 24.8 19.8 29.6

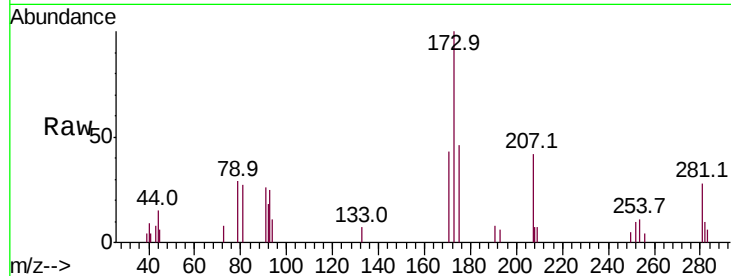




#56
Bromoform
Concen: 2.377 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	38.7	58.1
254	9.2	7.4	11.2

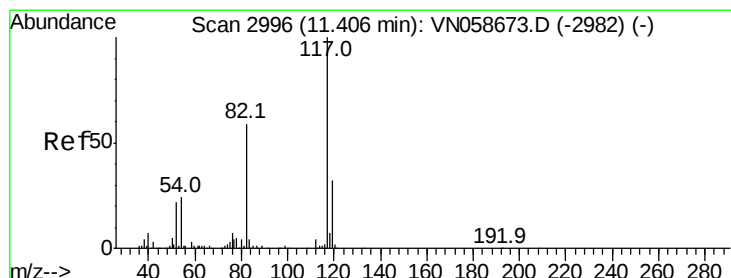
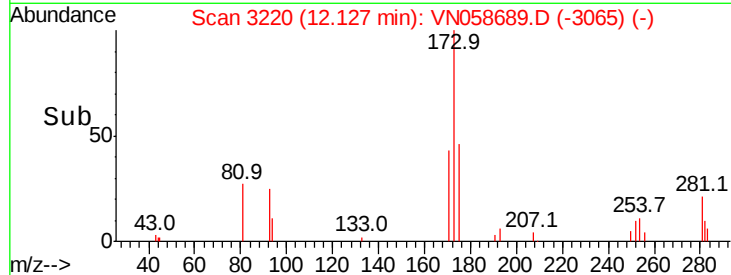
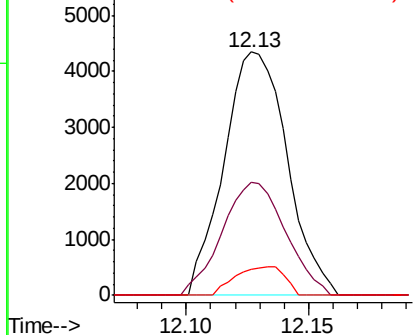


Abundance

Ion 173.00 (172.70 to 173.70): V

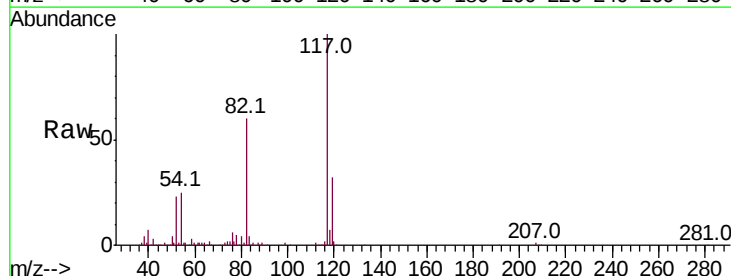
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.9	70.3
119	32.2	25.8	38.6

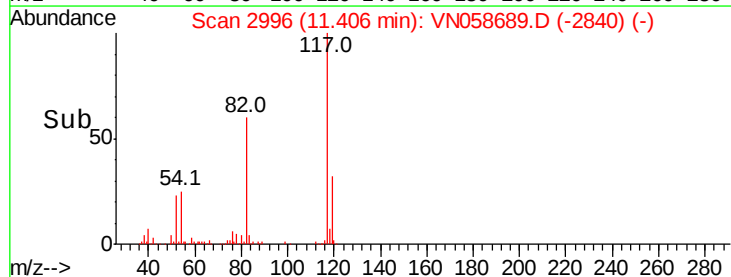
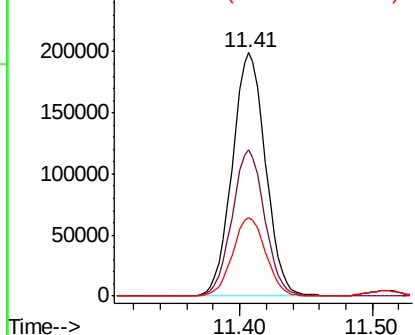


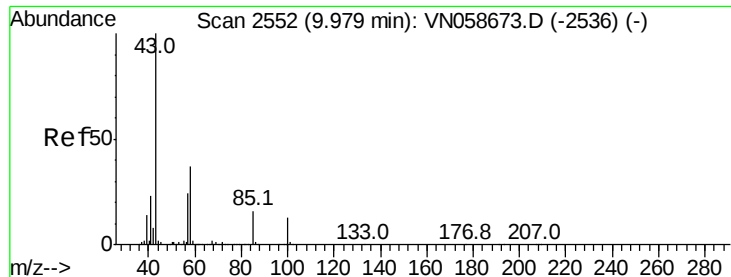
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

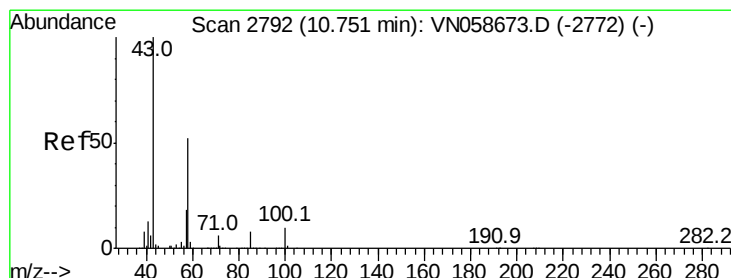
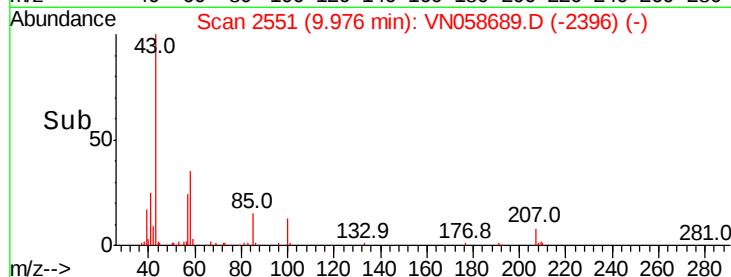
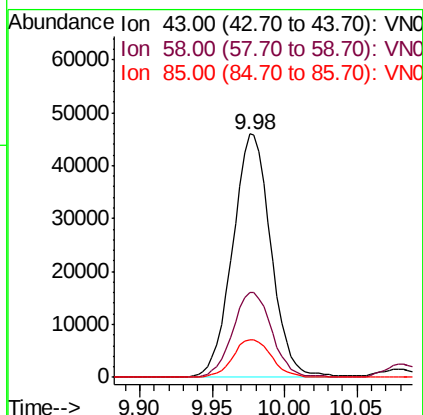
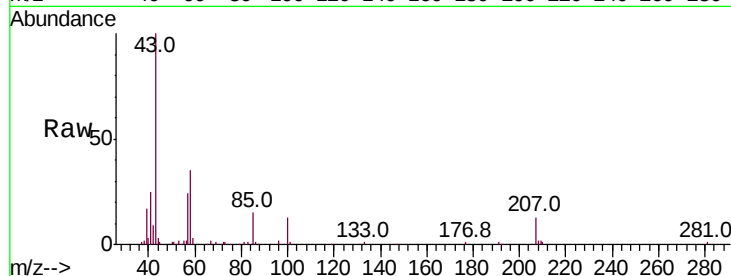




#58
4-Methyl-2-Pentanone
Concen: 13.328 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

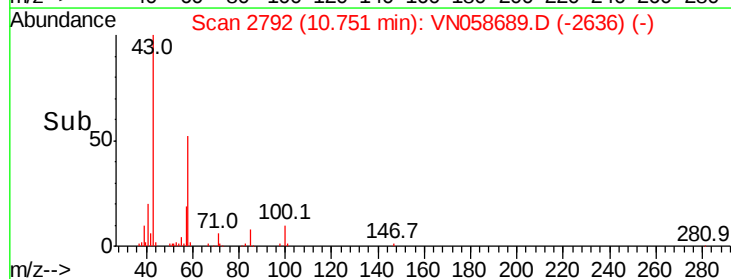
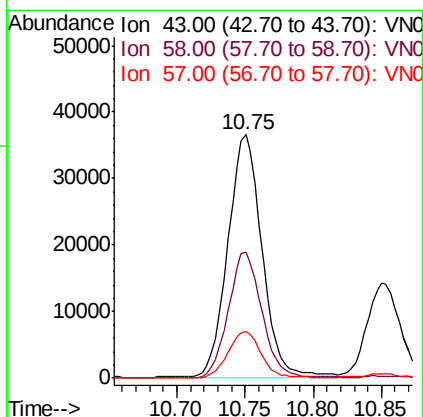
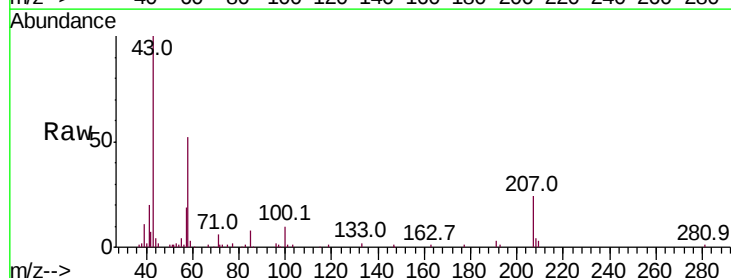
Instrument :
MSVOA_N
ClientSampleId :

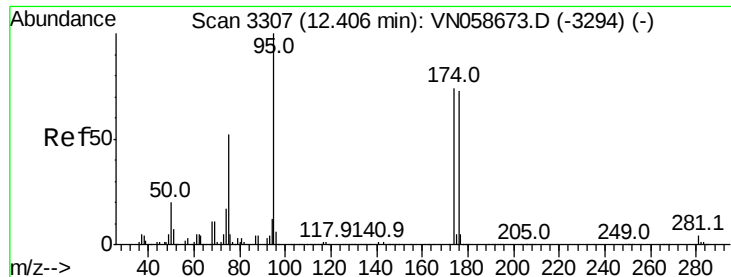
Tot Ion: 43 Resp: 84262
Ion Ratio Lower Upper
43 100
58 35.8 30.1 45.1
85 15.7 13.2 19.8



#59
2-Hexanone
Concen: 12.857 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion: 43 Resp: 63724
Ion Ratio Lower Upper
43 100
58 50.4 41.4 62.0
57 18.3 14.7 22.1

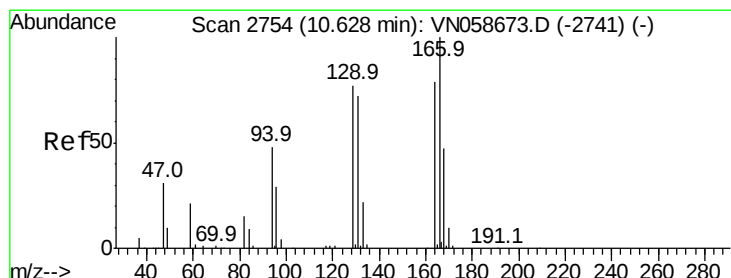
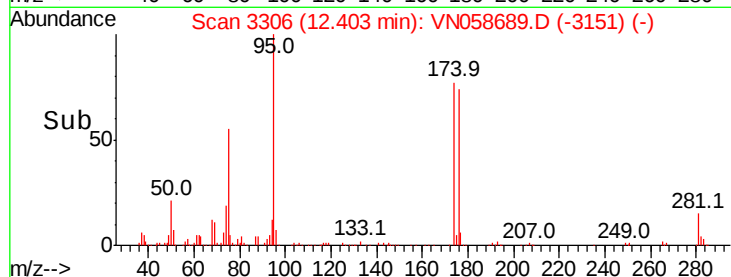
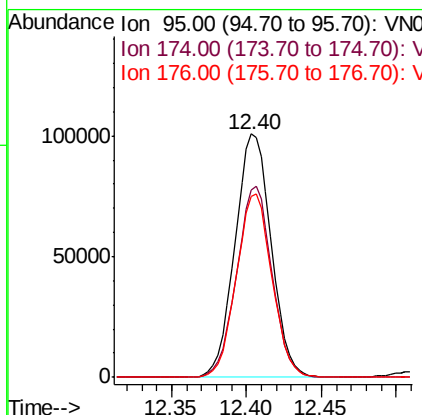
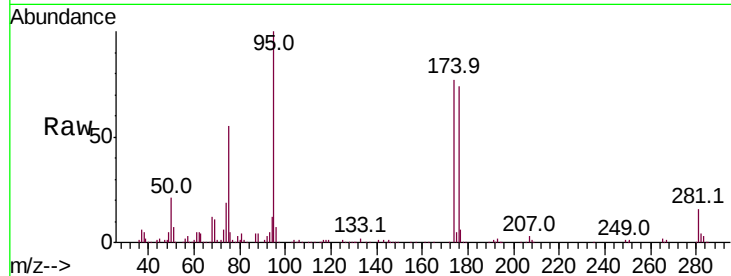




#60
4-Bromofluorobenzene
Concen: 27.942 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

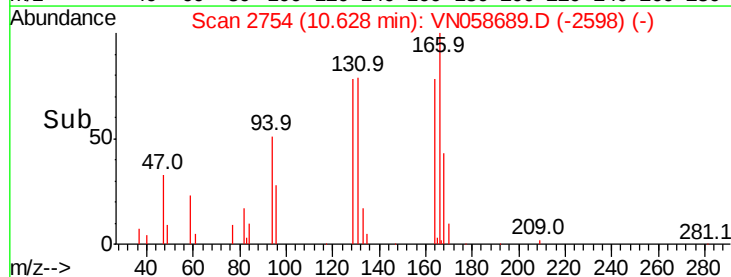
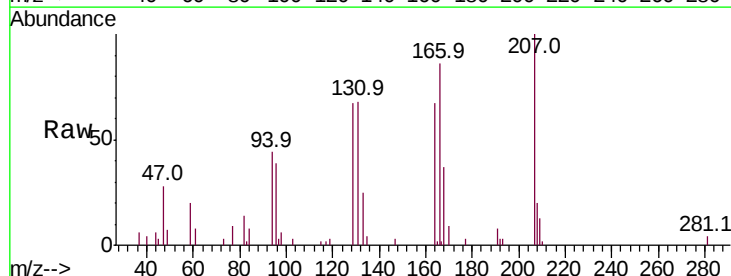
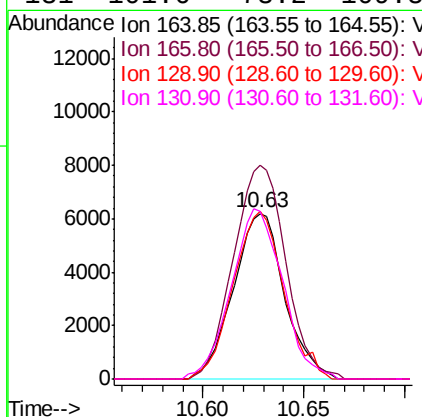
Instrument :
MSVOA_N
ClientSampleId :

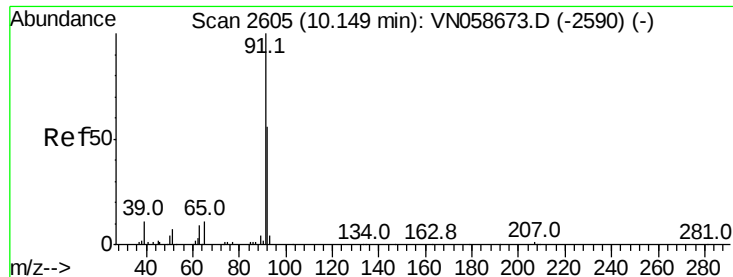
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.9	59.9	89.9
176	74.2	58.3	87.5



#61
Tetrachloroethene
Concen: 2.950 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.4	152.2
129	101.0	78.1	117.1
131	101.6	73.2	109.8





#62

Toluene

Concen: 2.834 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

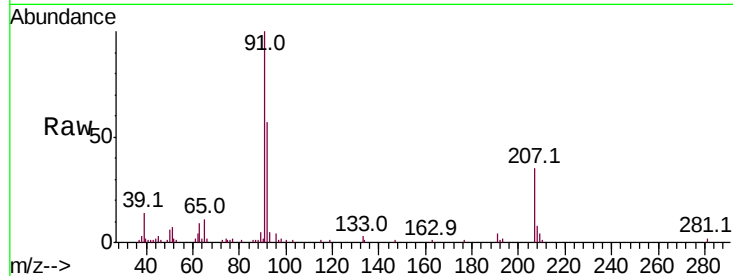
ClientSampleId :

Tot Ion: 91 Resp: 52825

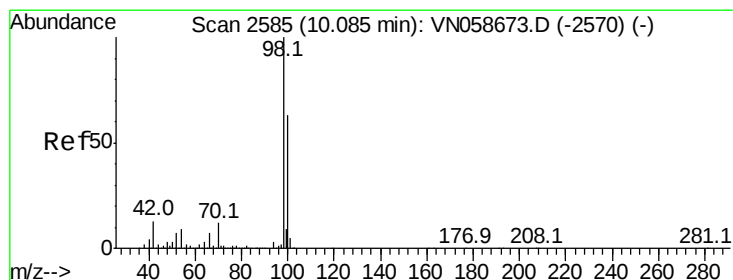
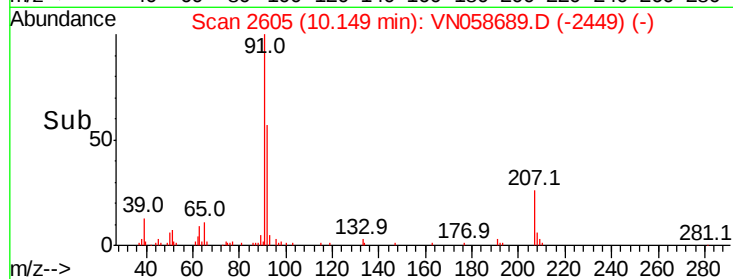
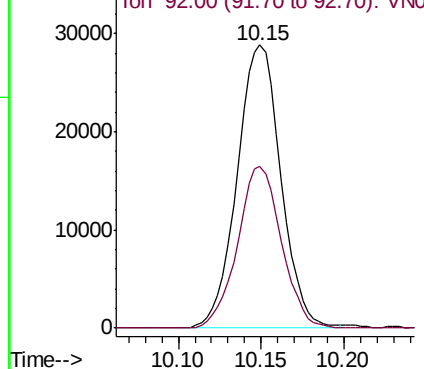
Ion Ratio Lower Upper

91 100

92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0



#63

Toluene-d8

Concen: 30.122 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058689.D

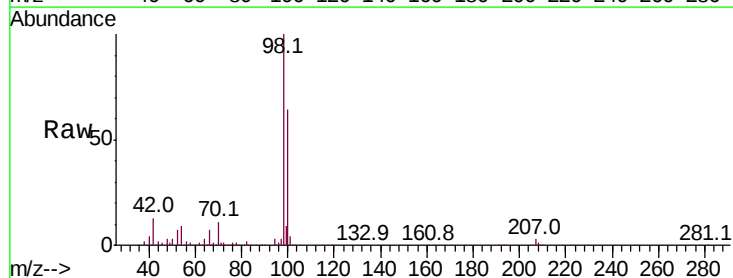
Acq: 11 Oct 2019 9:41

Tgt Ion: 98 Resp: 492900

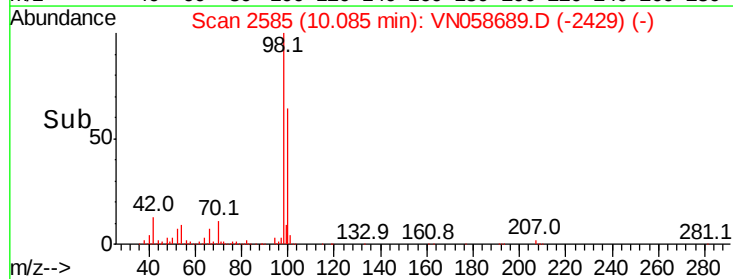
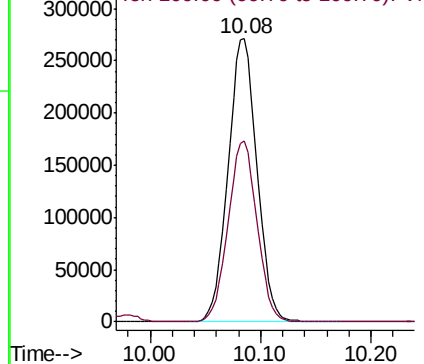
Ion Ratio Lower Upper

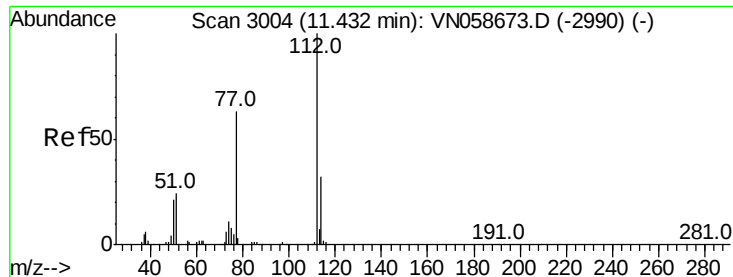
98 100

100 63.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0





#64

Chlorobenzene

Concen: 2.733 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

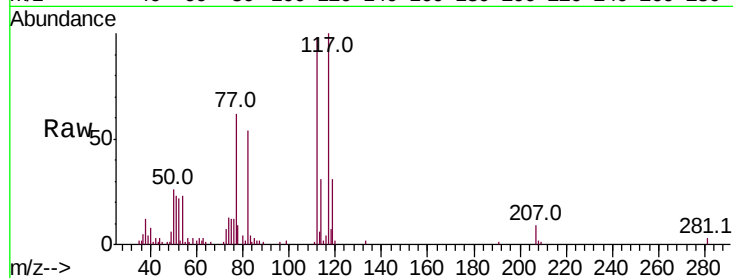
ClientSampled :

Tot Ion:112 Resp: 31147

Ion Ratio Lower Upper

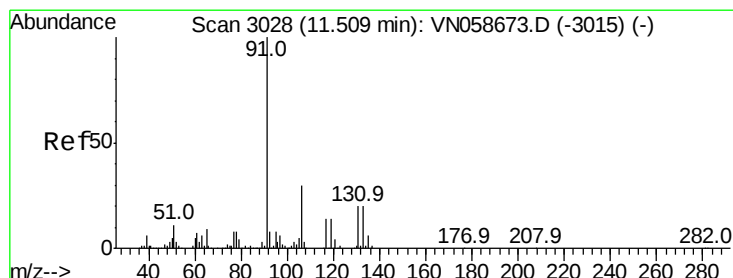
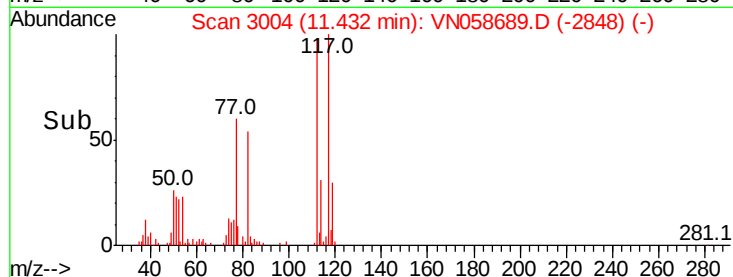
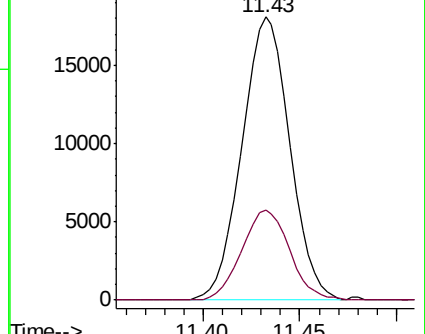
112 100

114 31.9 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 2.944 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

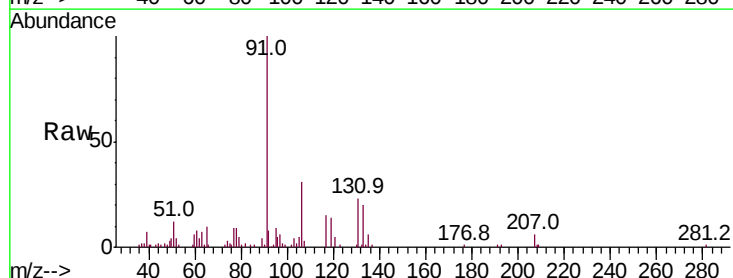
Tgt Ion:131 Resp: 12580

Ion Ratio Lower Upper

131 100

133 94.8 0.0 194.0

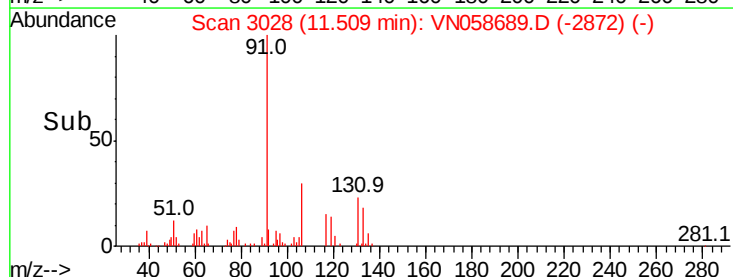
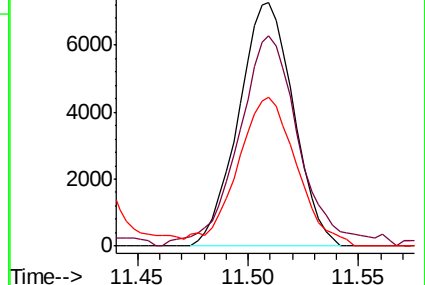
119 64.3 0.0 136.8

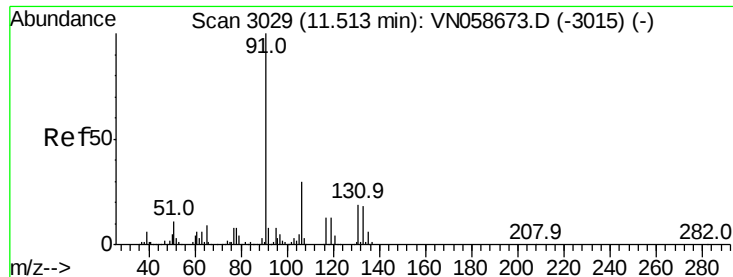


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 2.658 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

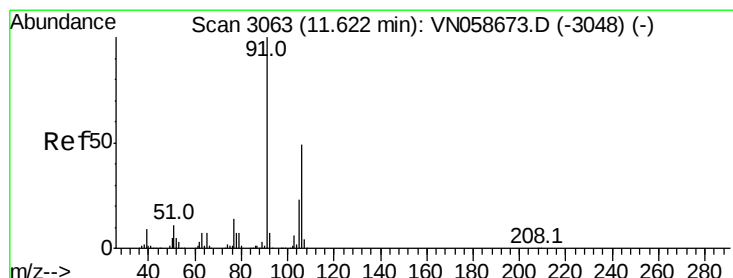
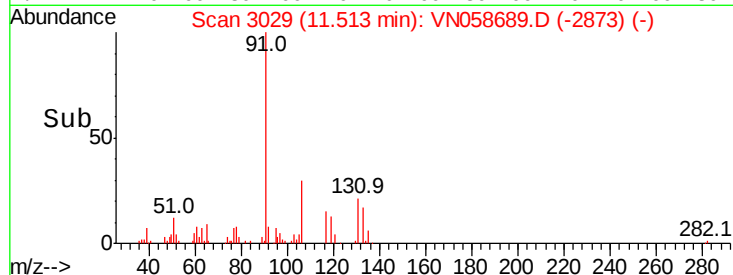
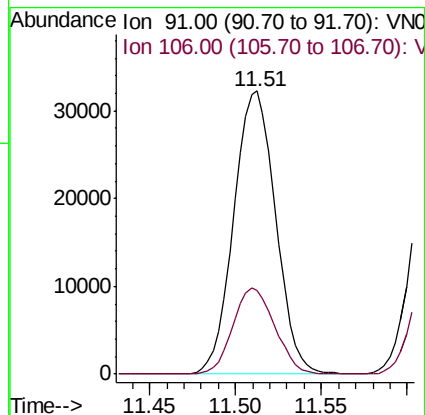
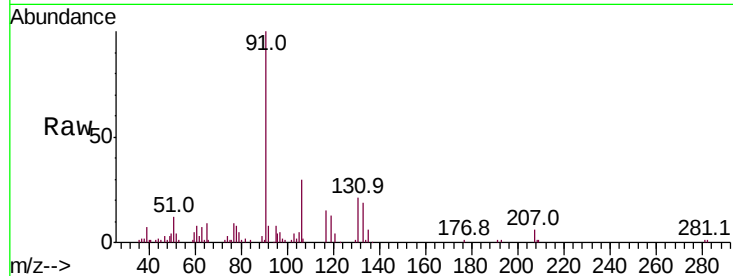
ClientSampled :

Tot Ion: 91 Resp: 54873

Ion Ratio Lower Upper

91 100

106 29.8 24.2 36.4



#67

m/p-Xylenes

Concen: 5.063 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058689.D

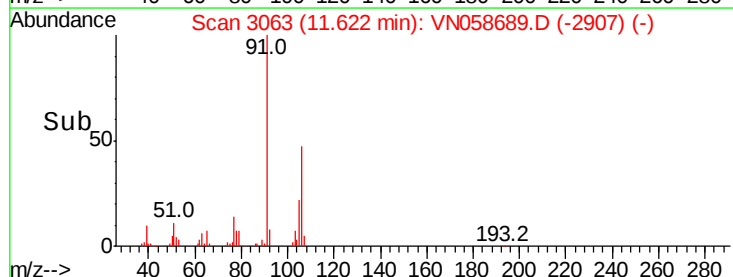
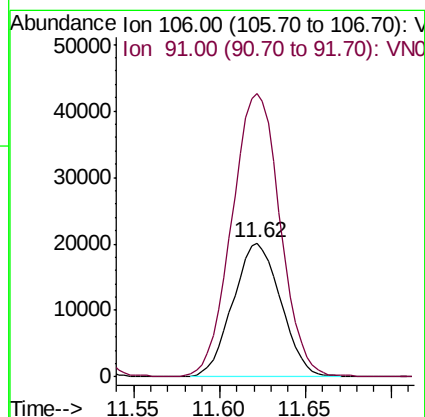
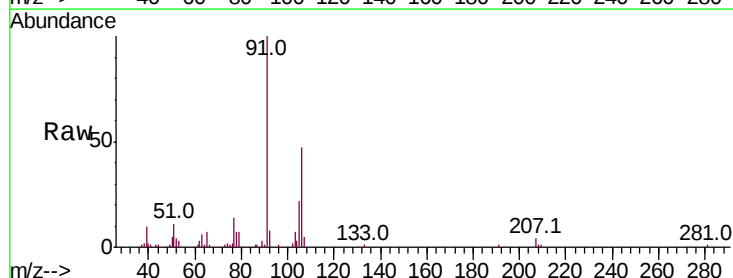
Acq: 11 Oct 2019 9:41

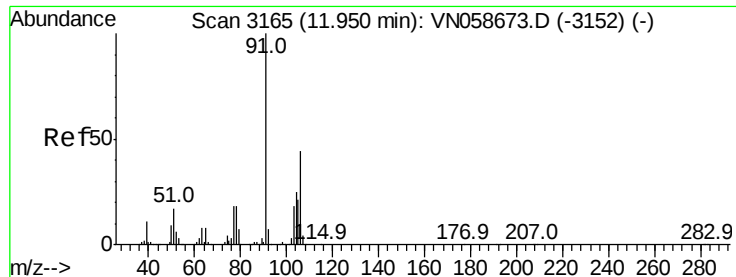
Tgt Ion: 106 Resp: 39043

Ion Ratio Lower Upper

106 100

91 212.8 165.6 248.4





#68

o-Xylene

Concen: 2.612 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

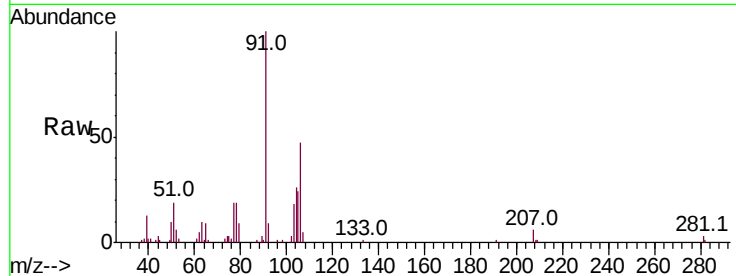
ClientSampleId :

Tot Ion:106 Resp: 19531

Ion Ratio Lower Upper

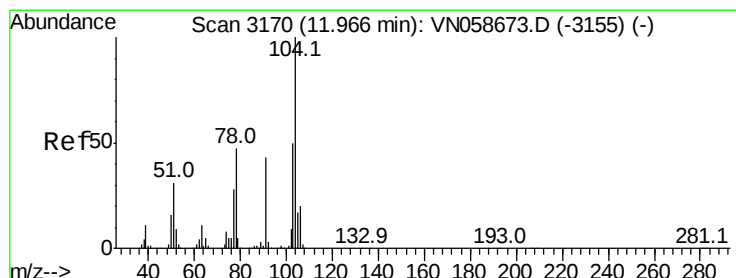
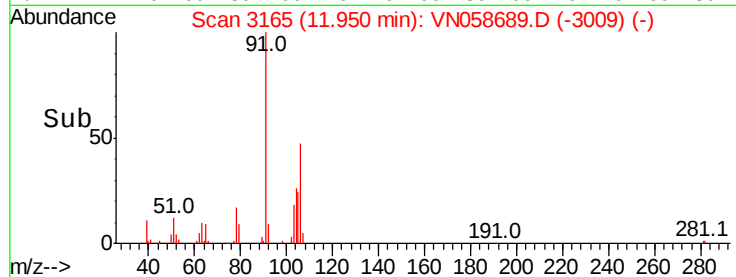
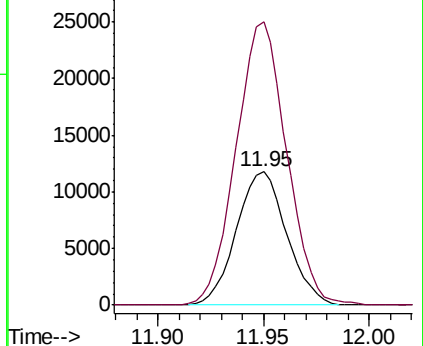
106 100

91 213.5 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

Styrene

Concen: 2.308 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

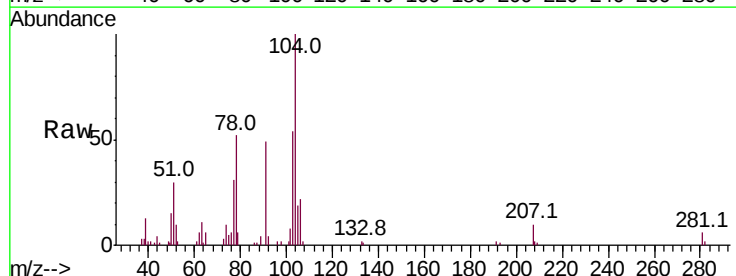
Tgt Ion:104 Resp: 28509

Ion Ratio Lower Upper

104 100

78 57.2 42.4 63.6

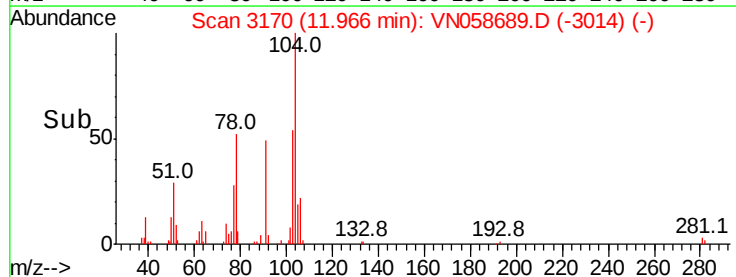
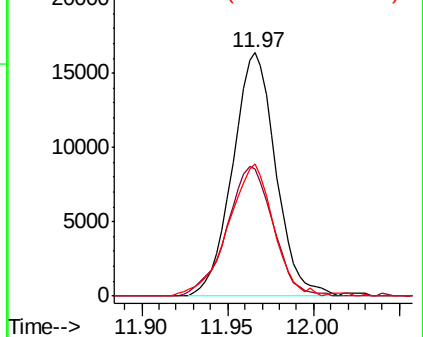
103 56.4 44.6 66.8

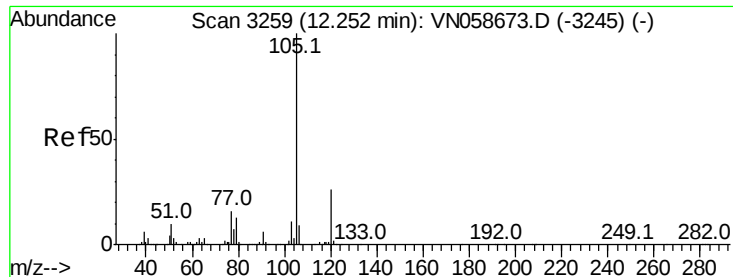


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#70

Isopropylbenzene

Concen: 2.521 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

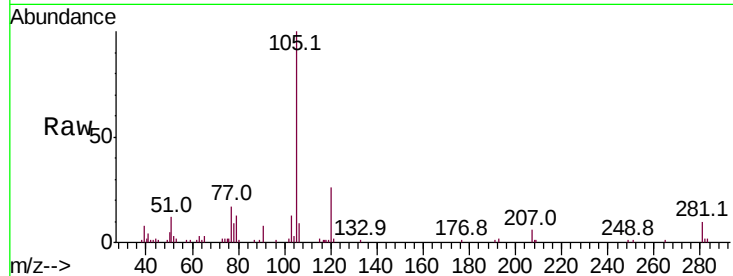
ClientSampleId :

Tot Ion: 105 Resp: 50886

Ion Ratio Lower Upper

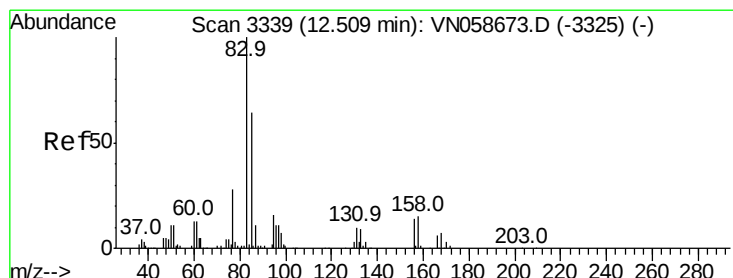
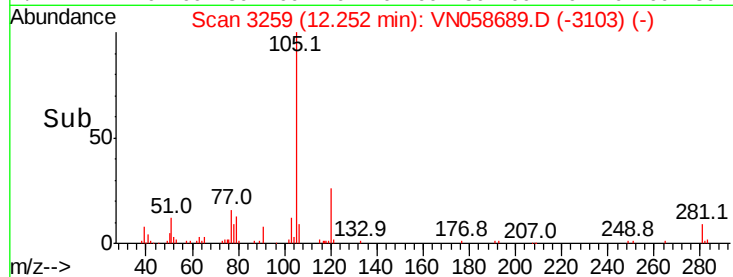
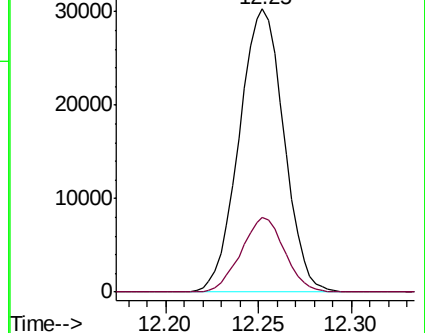
105 100

120 25.5 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: 2.729 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

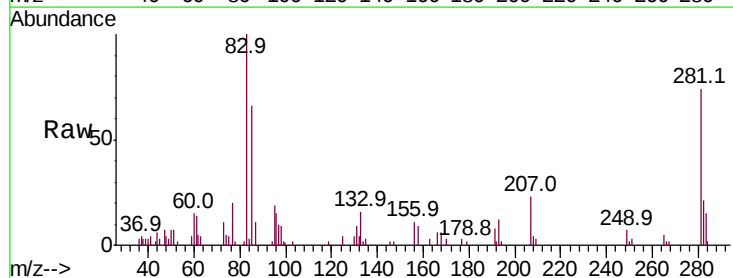
Tgt Ion: 83 Resp: 18543

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.7

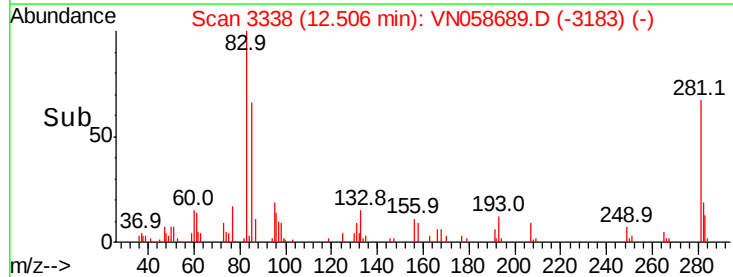
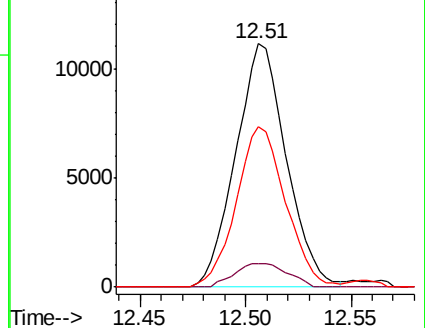
85 64.2 31.6 94.7

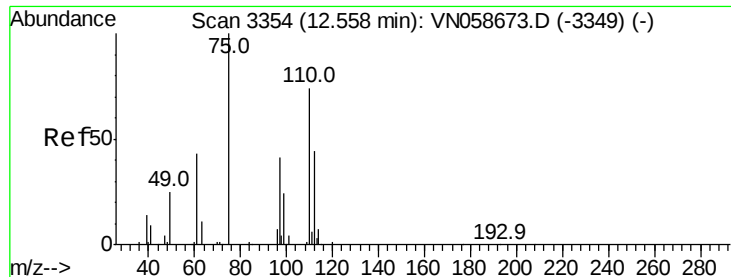


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 4.082 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

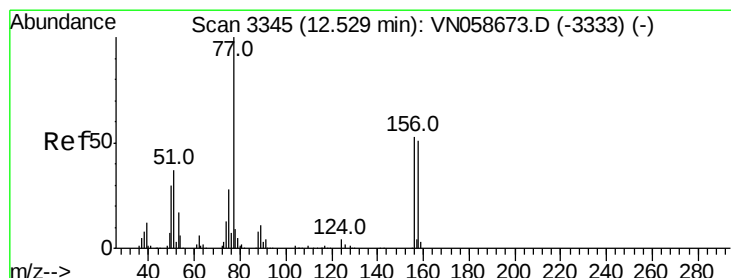
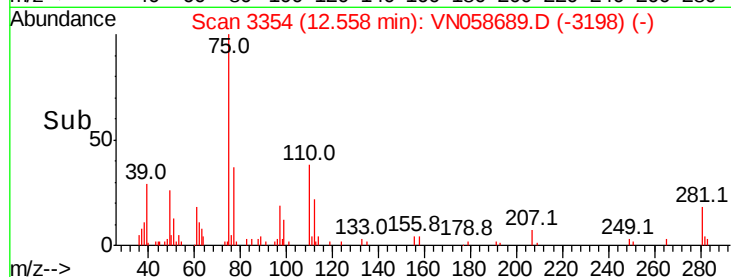
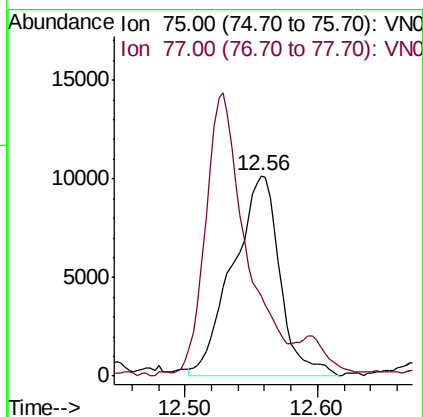
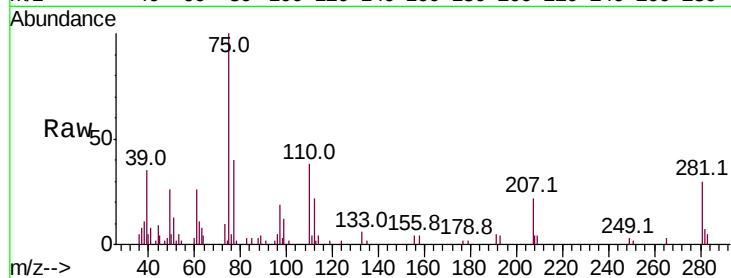
ClientSampled :

Tot Ion: 75 Resp: 25135

Ion Ratio Lower Upper

75 100

77 118.6 0.0 359.4



#73

Bromobenzene

Concen: 2.712 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

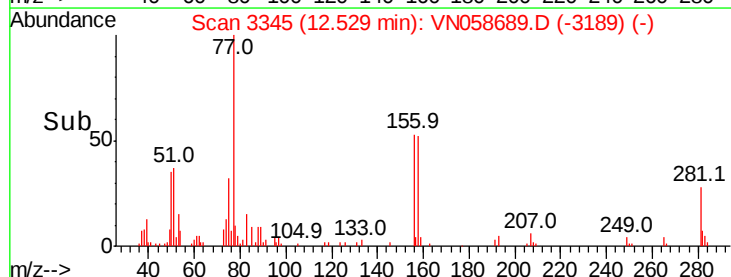
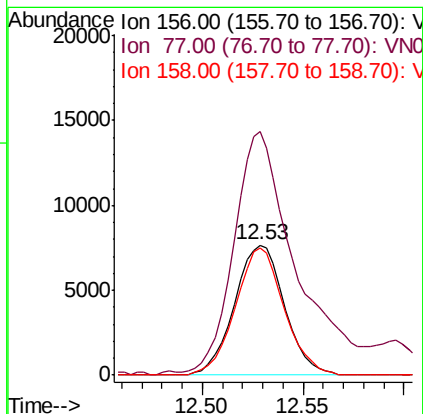
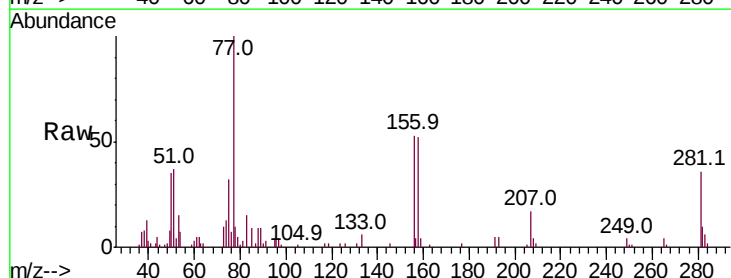
Tgt Ion: 156 Resp: 13297

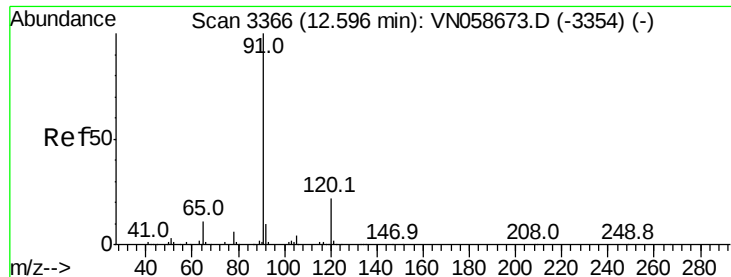
Ion Ratio Lower Upper

156 100

77 224.1 0.0 456.0

158 95.3 0.0 195.4





#74

n-propylbenzene

Concen: 2.525 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

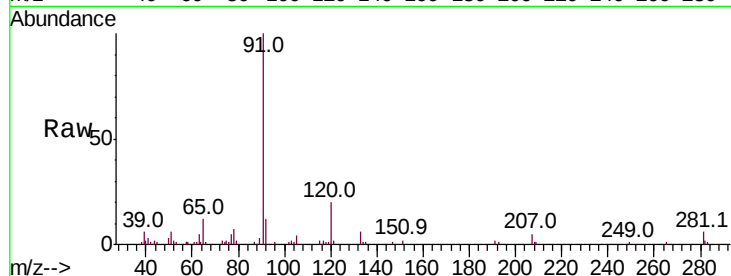
ClientSampleId :

Tot Ion: 91 Resp: 59649

Ion Ratio Lower Upper

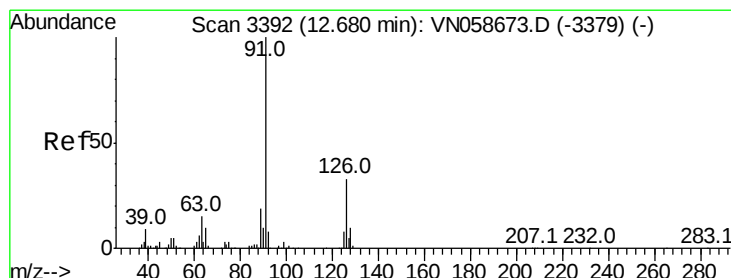
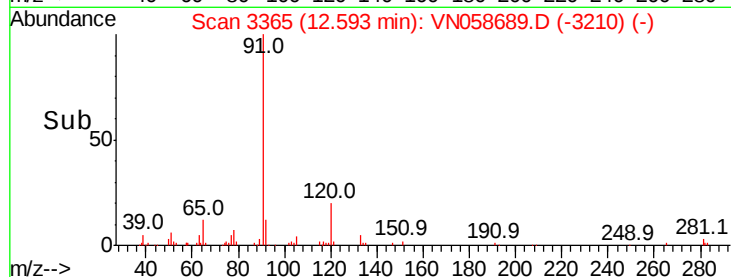
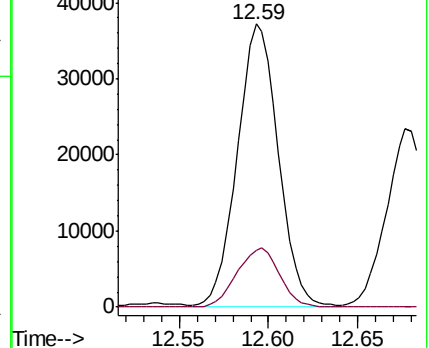
91 100

120 21.5 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 2.696 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058689.D

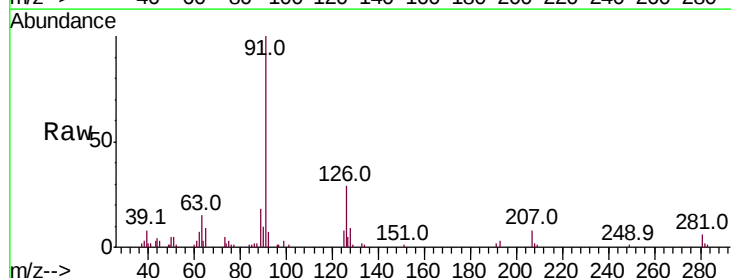
Acq: 11 Oct 2019 9:41

Tgt Ion: 91 Resp: 38326

Ion Ratio Lower Upper

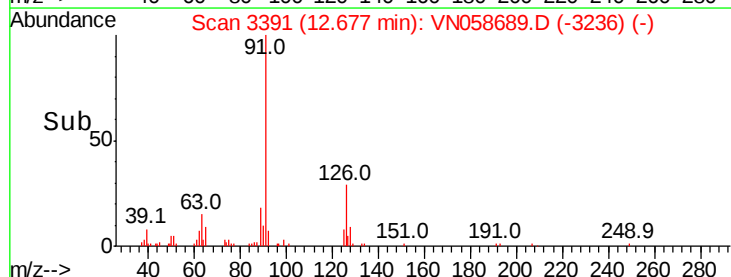
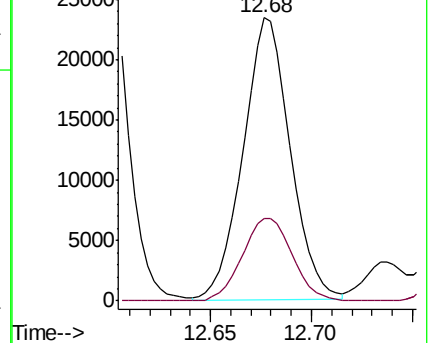
91 100

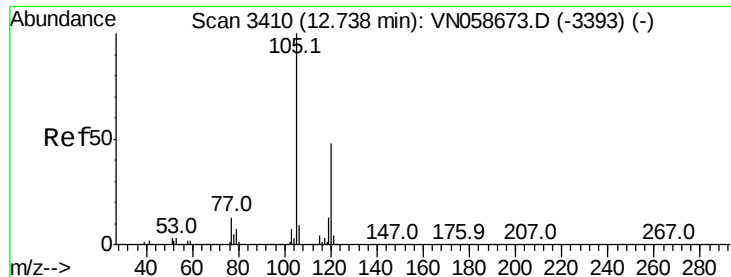
126 30.9 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

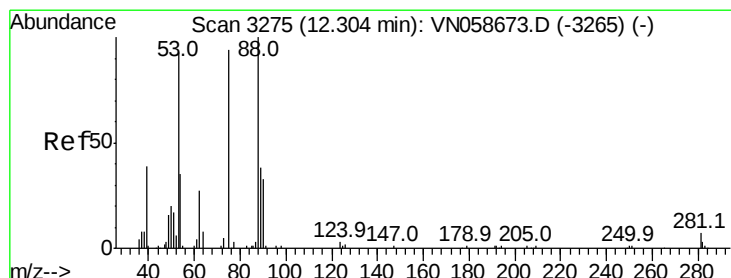
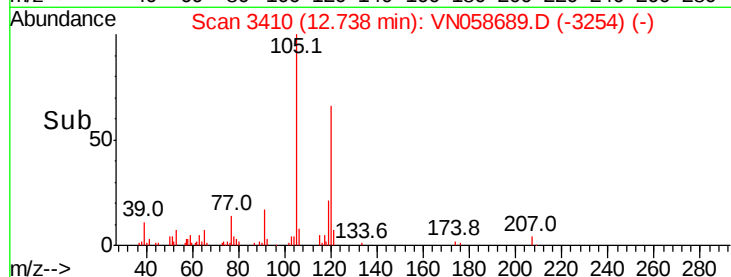
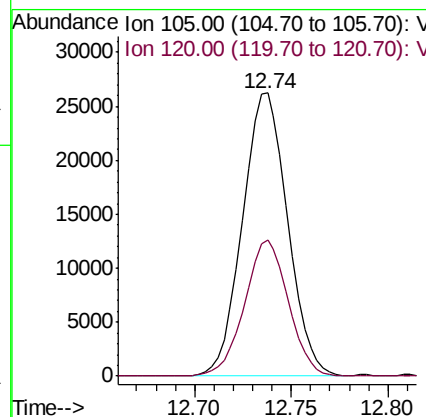
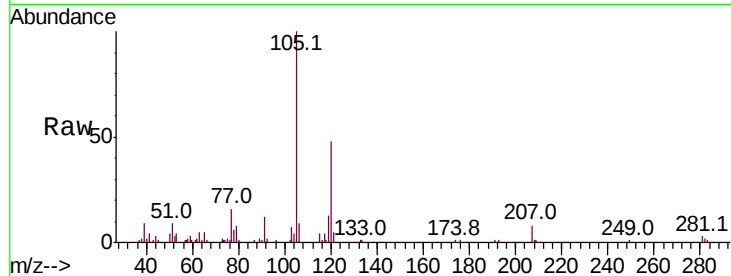




#76
 1,3,5-Trimethylbenzene
 Concen: 2.465 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

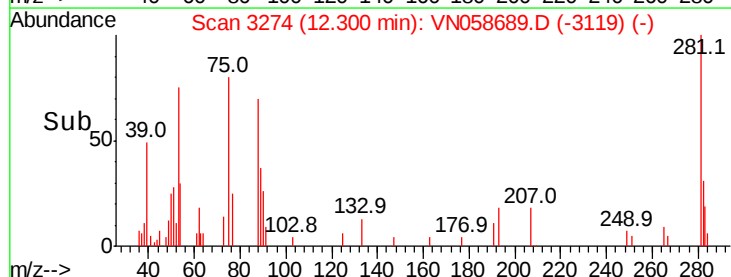
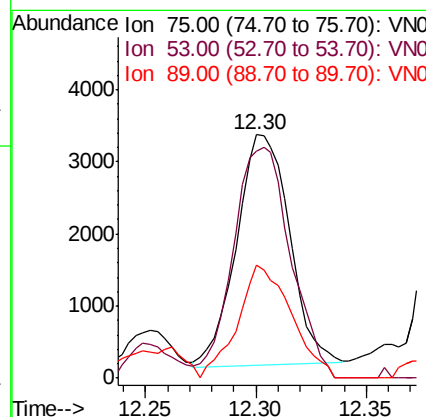
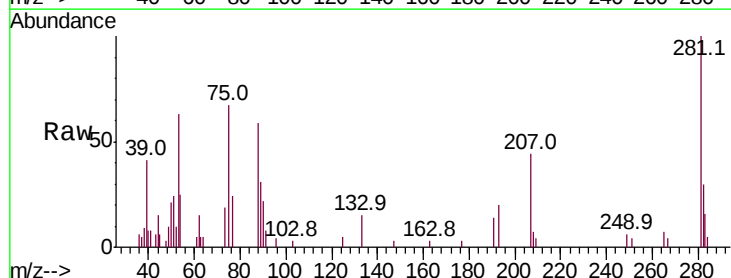
Instrument :
 MSVOA_N
 ClientSampled :

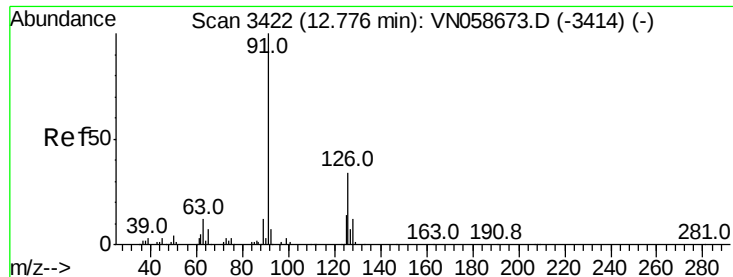
Tot Ion:105 Resp: 42608
 Ion Ratio Lower Upper
 105 100
 120 46.4 0.0 94.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 2.284 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

Tgt Ion: 75 Resp: 5358
 Ion Ratio Lower Upper
 75 100
 53 99.8 50.0 150.0
 89 49.3 20.7 62.1

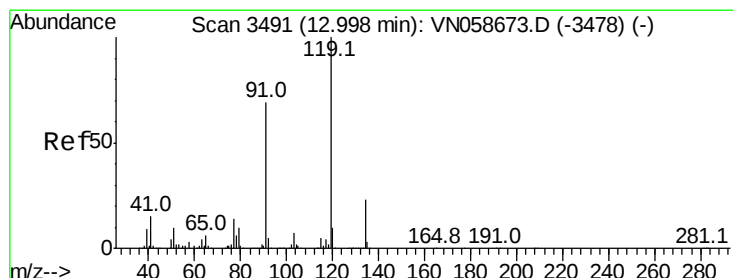
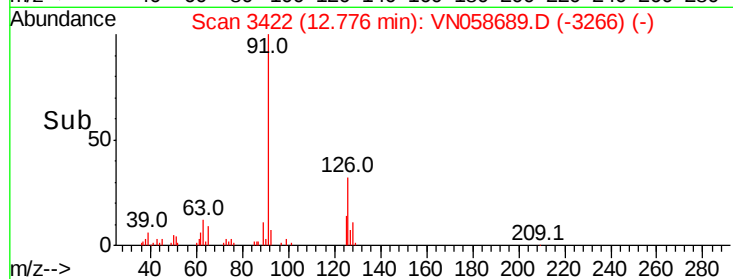
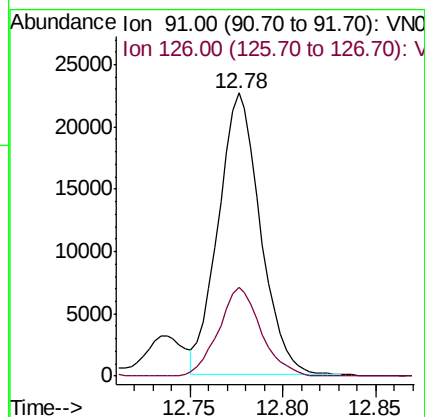
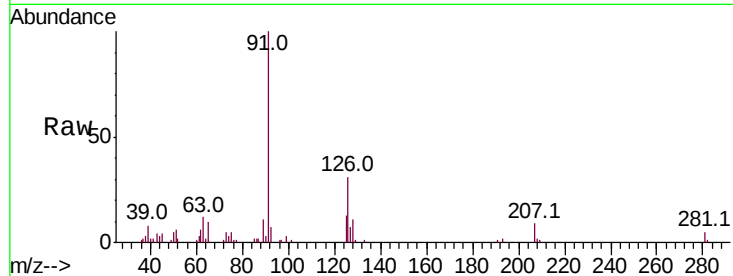




#78
4-Chlorotoluene
Concen: 2.412 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

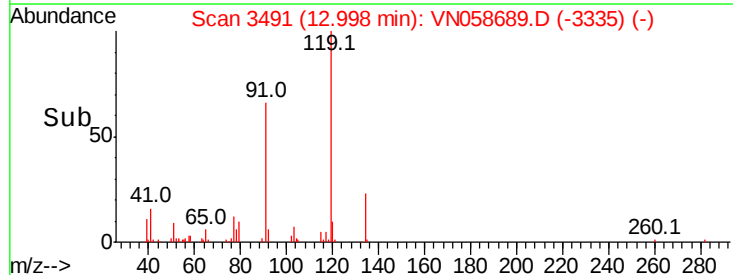
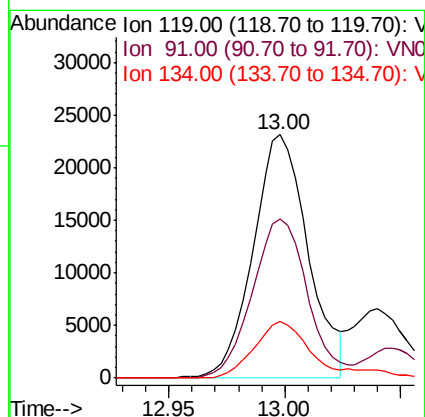
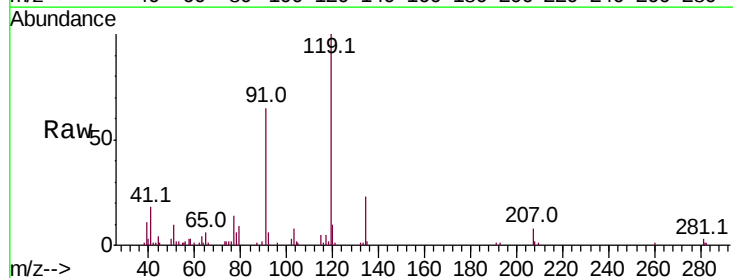
Instrument :
MSVOA_N
ClientSampled :

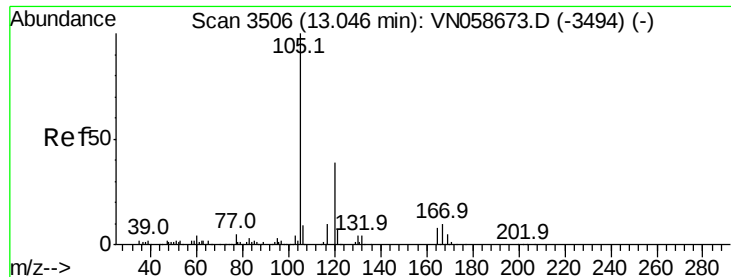
Tot Ion: 91 Resp: 35336
Ion Ratio Lower Upper
91 100
126 31.8 0.0 63.4



#79
tert-butylbenzene
Concen: 2.589 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion: 119 Resp: 38235
Ion Ratio Lower Upper
119 100
91 65.2 0.0 136.4
134 22.5 0.0 47.2





#80

1,2,4-Trimethylbenzene

Concen: 2.434 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

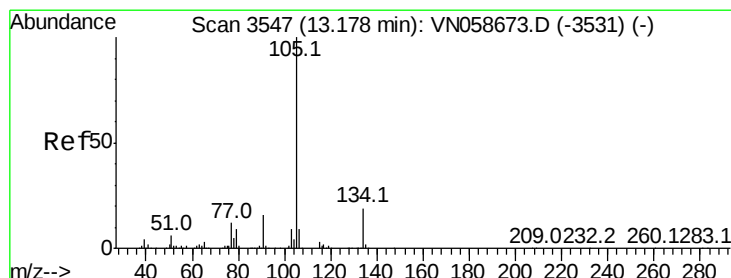
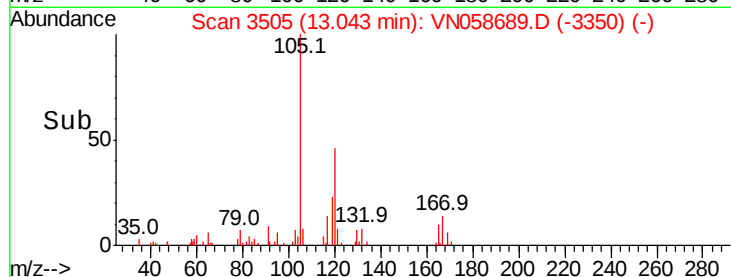
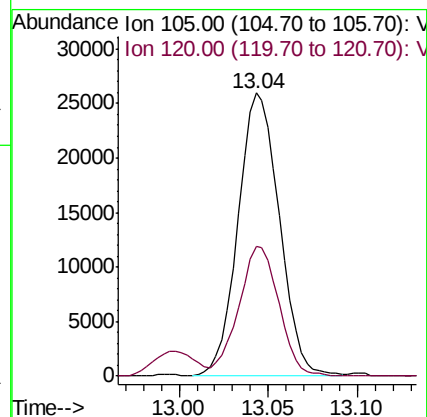
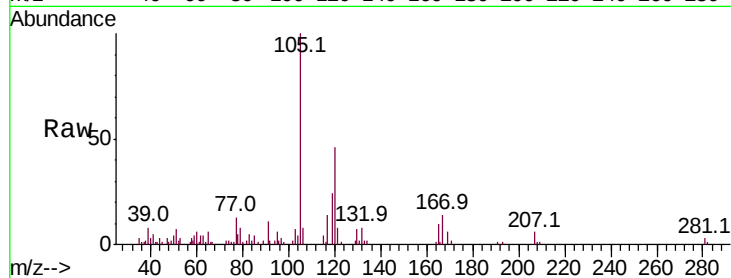
ClientSampleId :

Tot Ion:105 Resp: 41812

Ion Ratio Lower Upper

105 100

120 44.7 0.0 89.2



#81

sec-Butylbenzene

Concen: 2.379 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058689.D

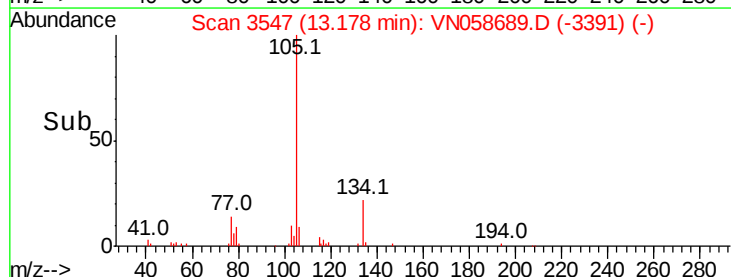
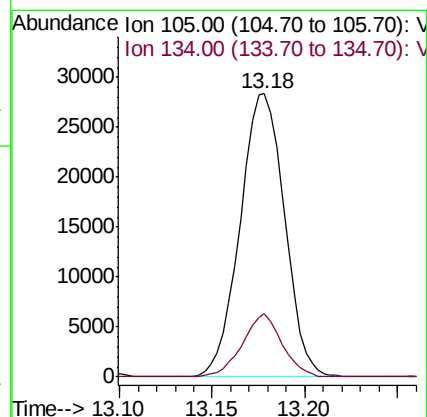
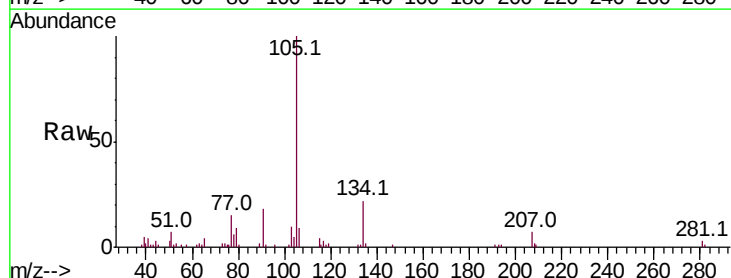
Acq: 11 Oct 2019 9:41

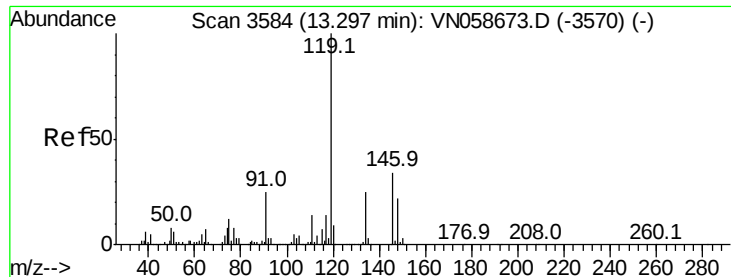
Tgt Ion:105 Resp: 47286

Ion Ratio Lower Upper

105 100

134 19.8 0.0 38.0

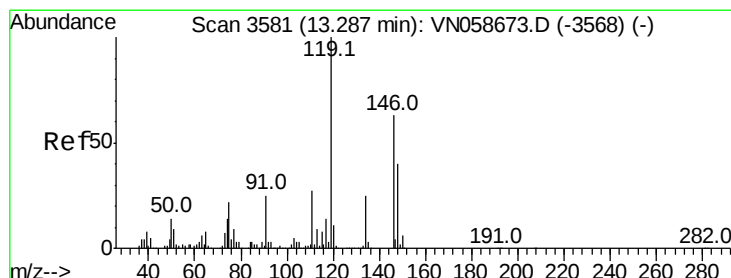
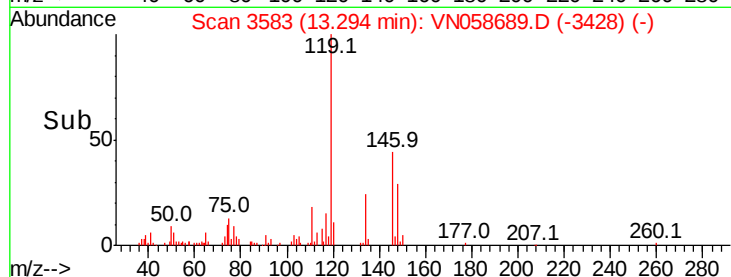
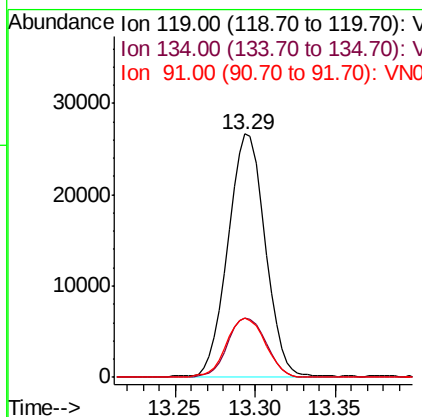
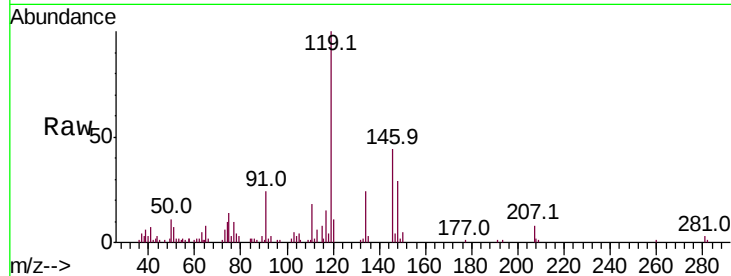




#82
 p-Isopropyltoluene
 Concen: 2.379 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

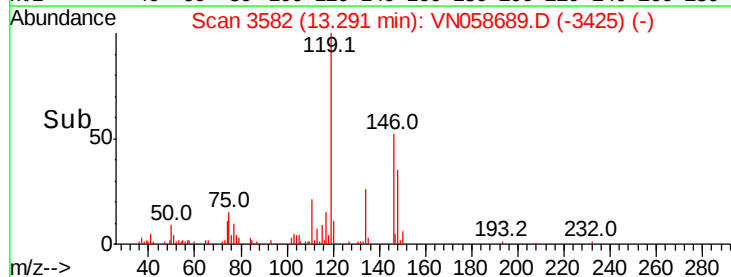
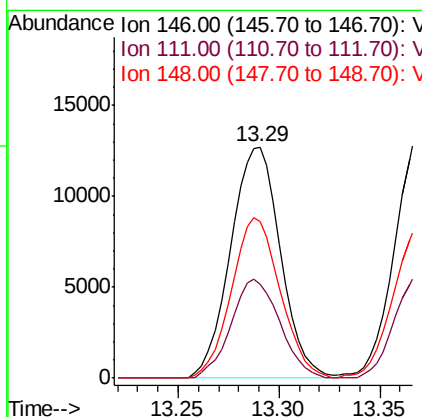
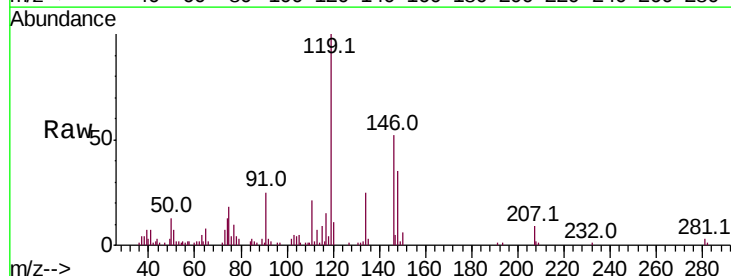
Instrument :
 MSVOA_N
 ClientSampleId :

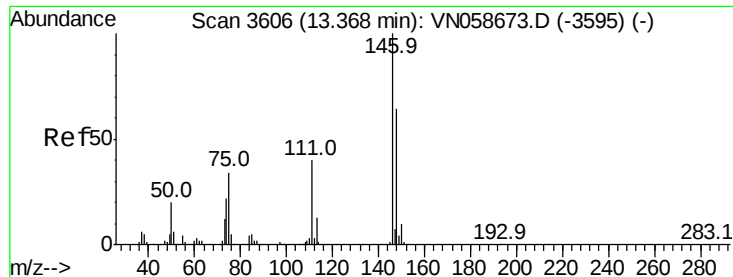
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	0.0	50.8
91	25.4	0.0	49.4



#83
 1,3-Dichlorobenzene
 Concen: 2.483 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	67.8	31.7	95.1





#84

1,4-Dichlorobenzene

Concen: 2.491 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

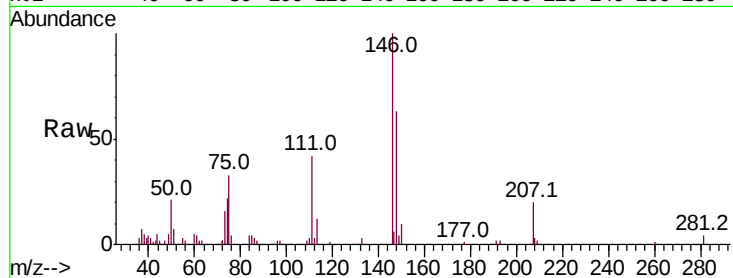
Tot Ion:146 Resp: 22076

Ion Ratio Lower Upper

146 100

111 41.5 19.8 59.4

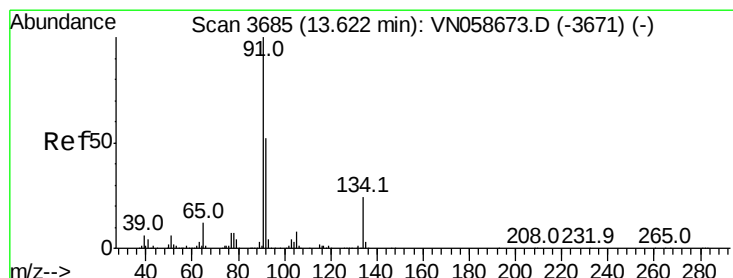
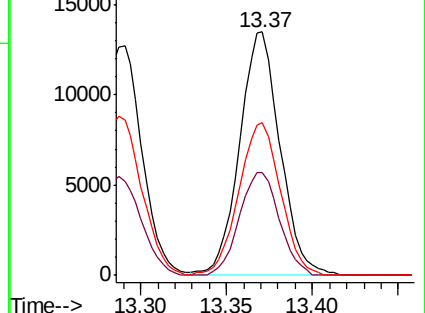
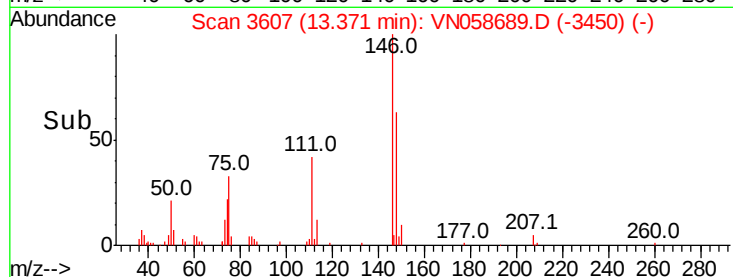
148 64.7 31.6 94.8



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: 2.213 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

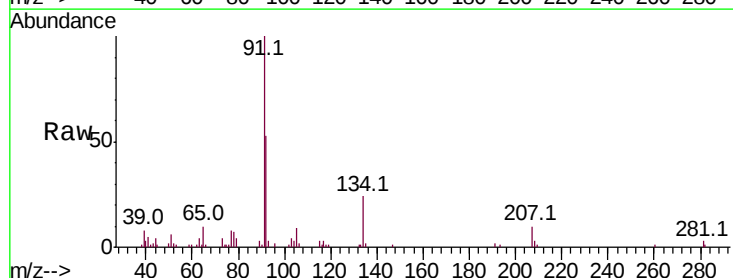
Tgt Ion: 91 Resp: 36157

Ion Ratio Lower Upper

91 100

92 53.5 0.0 102.8

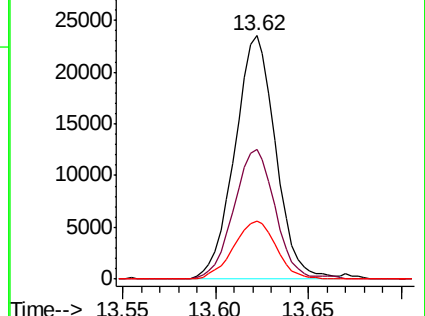
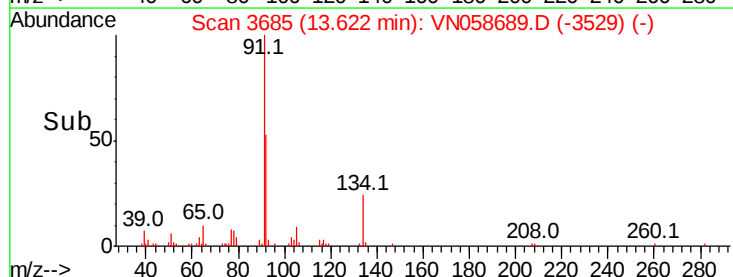
134 24.8 0.0 48.6

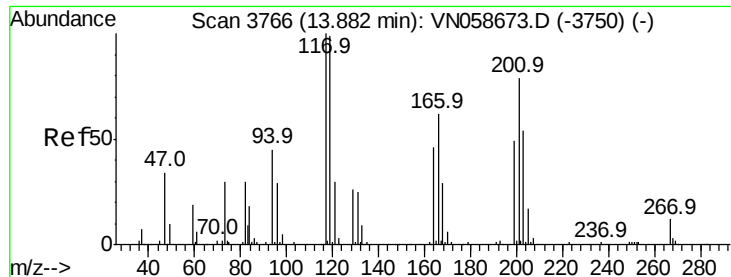


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 2.552 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

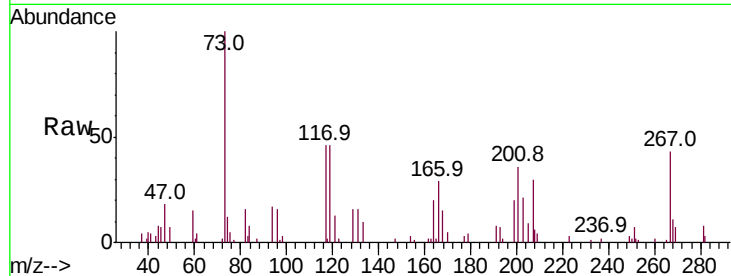
ClientSampleId :

Tot Ion:117 Resp: 8291

Ion Ratio Lower Upper

117 100

201 77.0 38.7 116.1

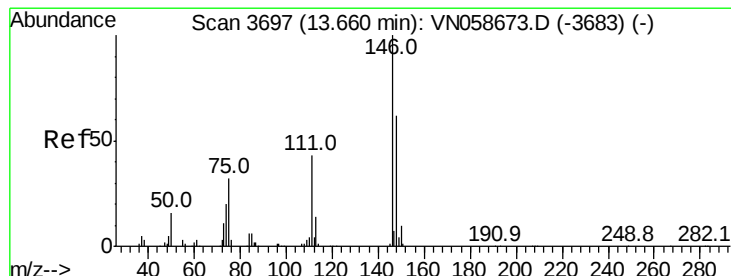
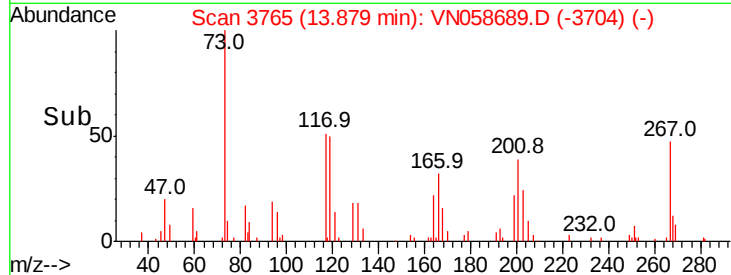


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.88

Time-->



#87

1,2-Dichlorobenzene

Concen: 2.580 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

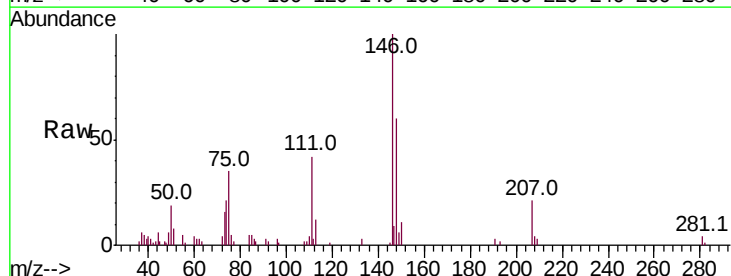
Tgt Ion:146 Resp: 22600

Ion Ratio Lower Upper

146 100

111 43.0 21.8 65.4

148 62.0 32.1 96.5



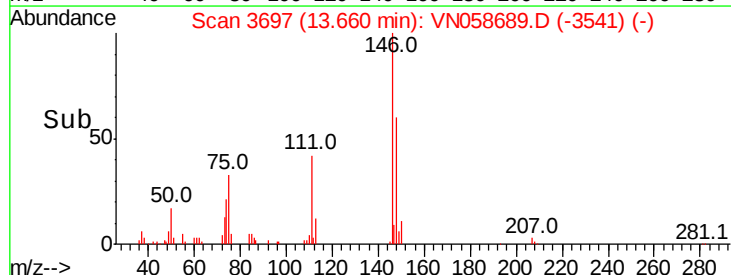
Abundance Ion 146.00 (145.70 to 146.70): V

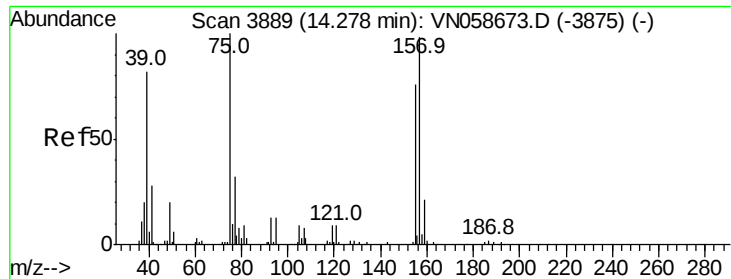
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.66

Time-->





#88

1,2-Dibromo-3-Chloropropane

Concen: 2.648 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

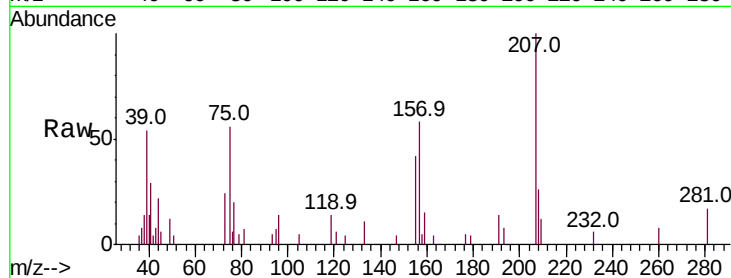
Tot Ion: 75 Resp: 4005

Ion Ratio Lower Upper

75 100

155 66.2 58.3 87.5

157 94.5 75.0 112.6

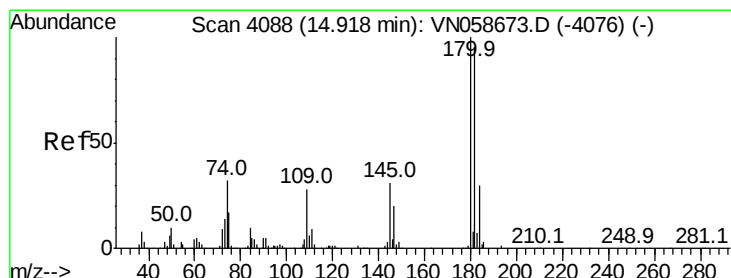
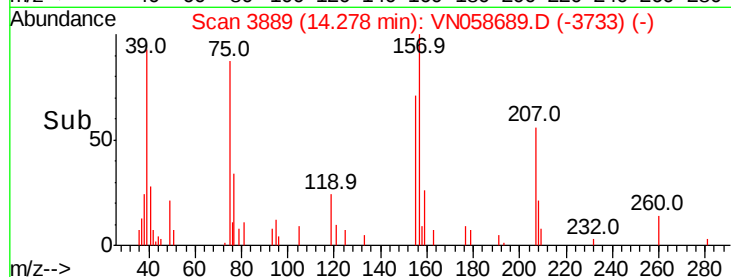


Abundance Ion 75.00 (74.70 to 75.70): VN058689.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN058689.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN058689.D (-3875) (-)

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 2.208 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058689.D

Acq: 11 Oct 2019 9:41

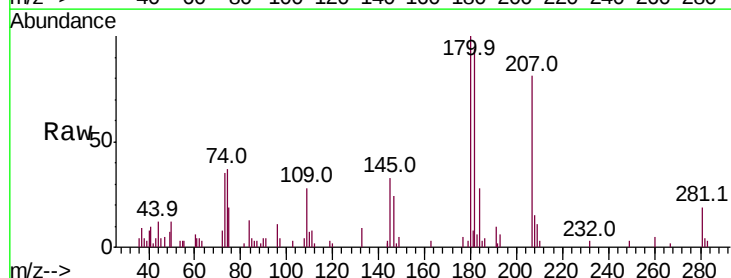
Tgt Ion: 180 Resp: 12210

Ion Ratio Lower Upper

180 100

182 93.8 75.3 112.9

145 31.0 24.8 37.2

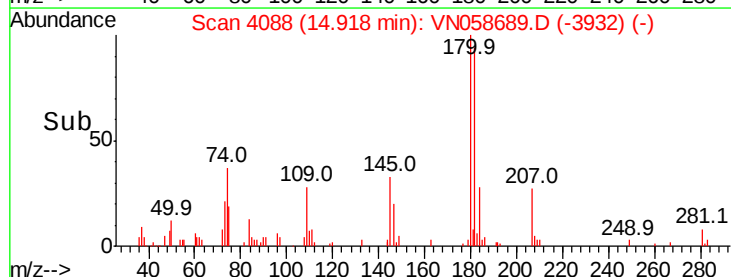


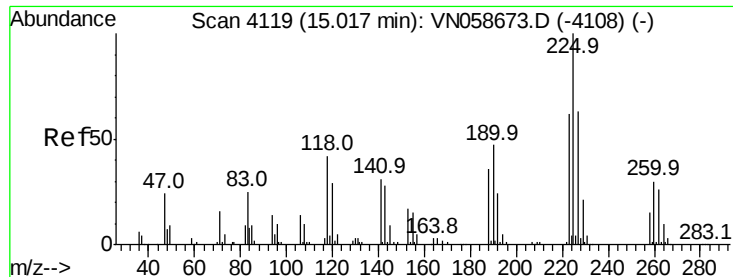
Abundance Ion 180.00 (179.70 to 180.70): VN058689.D (-3932) (-)

Ion 182.00 (181.70 to 182.70): VN058689.D (-3932) (-)

Ion 145.00 (144.70 to 145.70): VN058689.D (-3932) (-)

Time-->

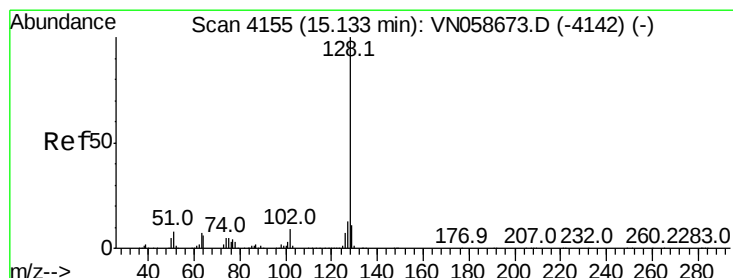
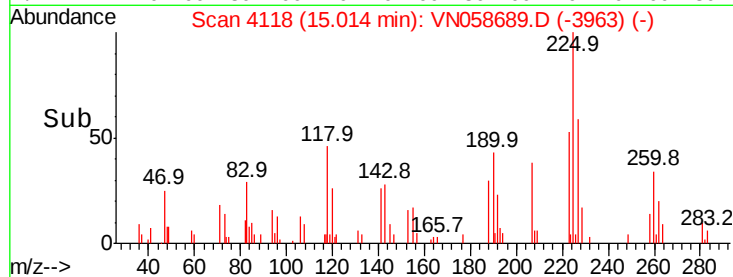
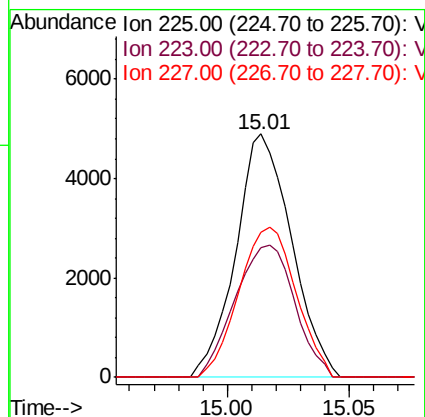
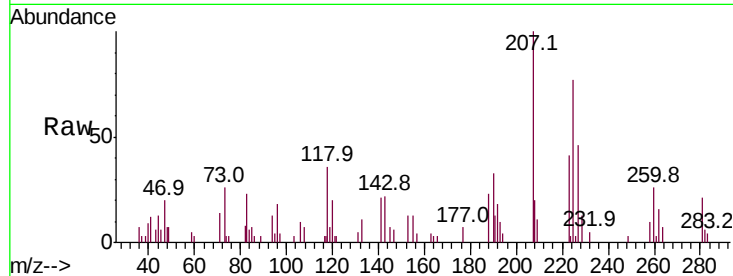




#90
Hexachlorobutadiene
Concen: 2.712 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

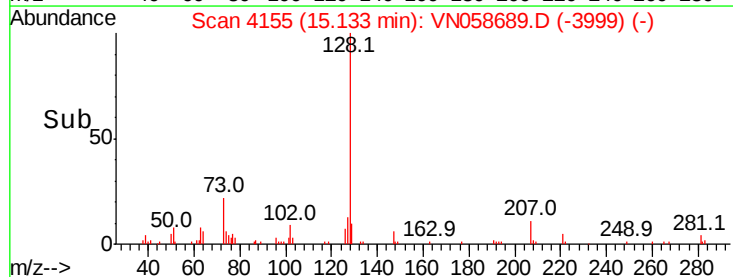
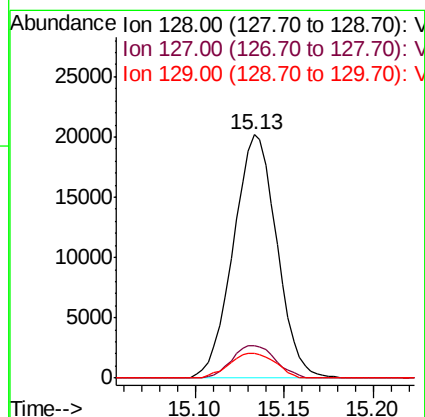
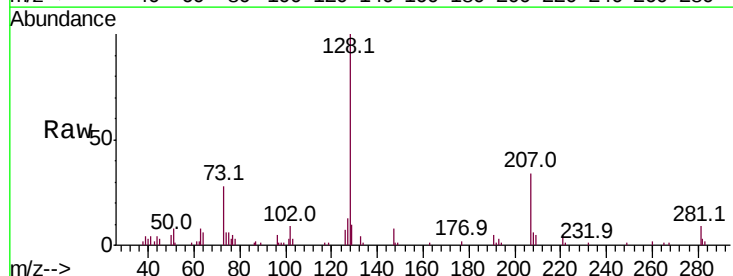
Instrument :
MSVOA_N
ClientSampleId :

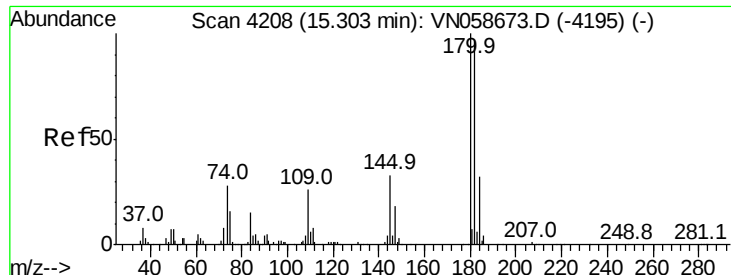
Tot Ion:225 Resp: 7745
Ion Ratio Lower Upper
225 100
223 58.2 0.0 126.2
227 63.2 0.0 127.0



#91
Naphthalene
Concen: 2.096 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058689.D
Acq: 11 Oct 2019 9:41

Tgt Ion:128 Resp: 34220
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 10.9 8.6 13.0

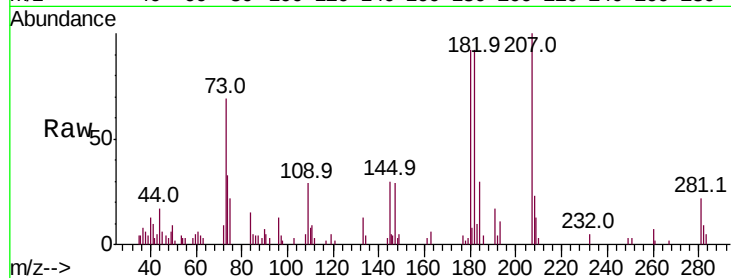




#92
 1,2,3-Trichlorobenzene
 Concen: 2.181 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058689.D
 Acq: 11 Oct 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	0.0	193.4
145	33.1	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

