

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
 Data File : VN058991.D
 Acq On : 28 Oct 2019 12:44
 Operator : JC/SP
 Sample : VN1028WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 29 19:32:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	382622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	271158	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.57	113	201464	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.08	98	761697	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.40	95	275334	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	85392	17.900	ug/l 100
3) Chloromethane	2.04	50	110204	18.652	ug/l 99
4) Vinyl Chloride	2.17	62	113847	19.406	ug/l 99
5) Bromomethane	2.55	94	67826	18.463	ug/l 92
6) Chloroethane	2.69	64	69382	18.443	ug/l 98
7) Trichlorofluoromethane	3.00	101	138698	19.108	ug/l 100
8) Diethyl Ether	3.39	74	51402	20.492	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79902	19.856	ug/l 99
10) Methyl Iodide	3.93	142	87534	16.539	ug/l 99
11) Tert butyl alcohol	4.76	59	92369	99.189	ug/l 99
12) 1,1-Dichloroethene	3.72	96	75710	20.072	ug/l 96
13) Acrolein	3.59	56	37710	58.934	ug/l 95
14) Allyl chloride	4.30	41	153092	20.058	ug/l 97
15) Acrylonitrile	4.96	53	246285	105.139	ug/l 99
16) Acetone	3.79	43	251152	90.571	ug/l 97
17) Carbon Disulfide	4.03	76	214717	17.671	ug/l 98
18) Methyl Acetate	4.30	43	137173	21.758	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	275200	20.836	ug/l 95
20) Methylene Chloride	4.53	84	91568	19.339	ug/l 98
21) trans-1,2-Dichloroethene	5.02	96	80302	19.278	ug/l 95
22) Diisopropyl ether	5.92	45	315413	21.127	ug/l 97
23) Vinyl Acetate	5.87	43	1296623	108.101	ug/l 99
24) 1,1-Dichloroethane	5.82	63	174095	20.111	ug/l 99
25) 2-Butanone	6.81	43	352327	97.878	ug/l 99
26) 2,2-Dichloropropane	6.80	77	148426	19.823	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	96635	20.308	ug/l 99
28) Bromochloromethane	7.18	49	59649	20.690	ug/l 99
29) Tetrahydrofuran	7.19	42	228412	103.728	ug/l 99
30) Chloroform	7.35	83	167944	19.341	ug/l 98
31) Cyclohexane	7.64	56	152761	18.942	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	144536	19.747	ug/l 100
36) 1,1-Dichloropropene	7.78	75	121869	19.456	ug/l 99
37) Ethyl Acetate	6.91	43	141771	20.772	ug/l 99
38) Carbon Tetrachloride	7.75	117	125951	19.518	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	136359	19.387	ug/l	99
40) Benzene	8.02	78	375181	20.397	ug/l	98
41) Methacrylonitrile	7.19	41	204823	67.380	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	139450	19.681	ug/l	100
43) Isopropyl Acetate	8.15	43	224340	20.495	ug/l	100
44) Trichloroethene	8.82	130	89656	20.009	ug/l	95
45) 1,2-Dichloropropane	9.10	63	104482	20.715	ug/l	100
46) Dibromomethane	9.20	93	63949	20.055	ug/l	98
47) Bromodichloromethane	9.39	83	134407	20.452	ug/l	98
48) Methyl methacrylate	9.19	41	98660	19.866	ug/l	95
49) 1,4-Dioxane	9.19	88	30907	379.108	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	706010	110.424	ug/l	100
52) Toluene	10.15	92	223161	20.459	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	144962	19.925	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	158310	20.368	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	92450	20.574	ug/l	98
56) Ethyl methacrylate	10.43	69	137053	19.493	ug/l	97
57) 1,3-Dichloropropane	10.70	76	160176	20.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	280459	91.661	ug/l	100
59) 2-Hexanone	10.75	43	517823	104.811	ug/l	100
60) Dibromochloromethane	10.90	129	97994	20.261	ug/l	99
61) 1,2-Dibromoethane	11.00	107	92925	20.207	ug/l	99
64) Tetrachloroethene	10.63	164	78924	20.179	ug/l	96
65) Chlorobenzene	11.43	112	236650	20.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88784	20.693	ug/l	99
67) Ethyl Benzene	11.51	91	424839	21.300	ug/l	97
68) m/p-Xylenes	11.62	106	314279	42.489	ug/l	100
69) o-Xylene	11.95	106	146549	20.774	ug/l	99
70) Styrene	11.97	104	238584	19.408	ug/l	100
71) Bromoform	12.13	173	68668	20.639	ug/l #	98
73) Isopropylbenzene	12.25	105	405888	21.623	ug/l	99
74) N-amyl acetate	12.07	43	177921	20.907	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	141336	21.413	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	186731	31.368	ug/l #	100
77) Bromobenzene	12.53	156	97684	21.113	ug/l	99
78) n-propylbenzene	12.59	91	474056	21.365	ug/l	100
79) 2-Chlorotoluene	12.68	91	286094	21.067	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	340694	21.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45950	20.109	ug/l	97
82) 4-Chlorotoluene	12.78	91	292086	21.047	ug/l	100
83) tert-Butylbenzene	13.00	119	292204	21.667	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	339581	21.830	ug/l	98
85) sec-Butylbenzene	13.17	105	389704	21.673	ug/l	99
86) p-Isopropyltoluene	13.29	119	344400	21.708	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	174566	21.101	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	171475	20.702	ug/l	99
89) n-Butylbenzene	13.62	91	296511	20.345	ug/l	99
90) Hexachloroethane	13.88	117	68974	21.455	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	175269	21.555	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28629	19.177	ug/l	97

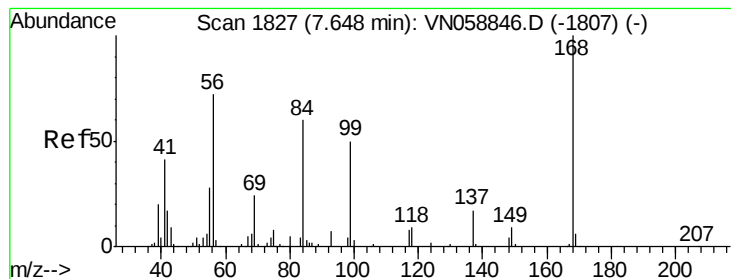
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	91885	19.566	ug/l	99
94) Hexachlorobutadiene	15.01	225	55252	20.965	ug/l	98
95) Naphthalene	15.13	128	249304	18.416	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	93937	20.342	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

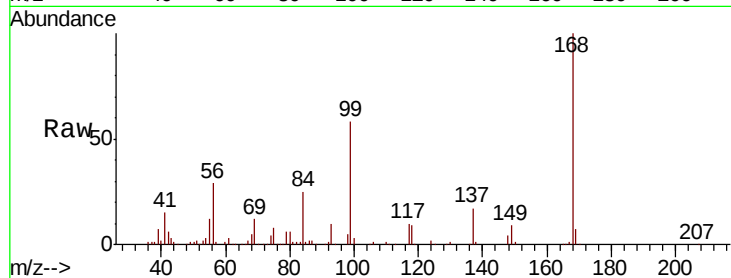
ClientSampled :

Tot Ion:168 Resp: 382622

Ion Ratio Lower Upper

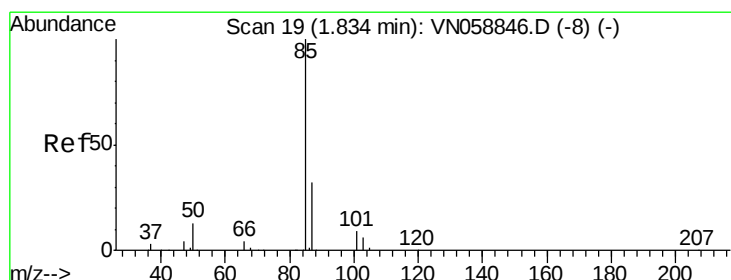
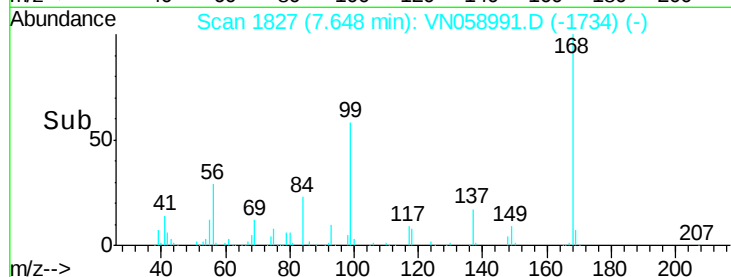
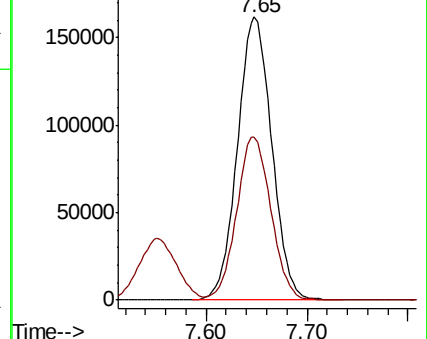
168 100

99 57.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.900 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058991.D

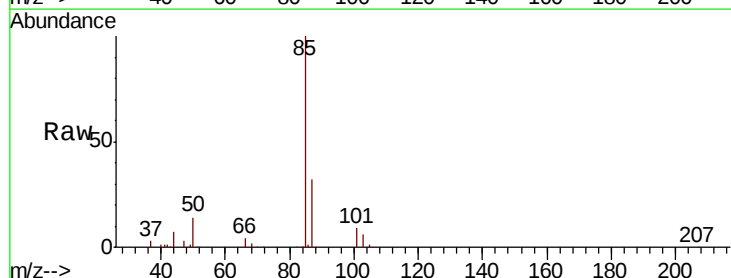
Acq: 28 Oct 2019 12:44

Tgt Ion: 85 Resp: 85392

Ion Ratio Lower Upper

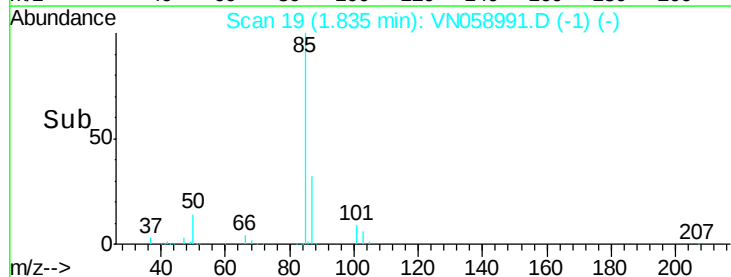
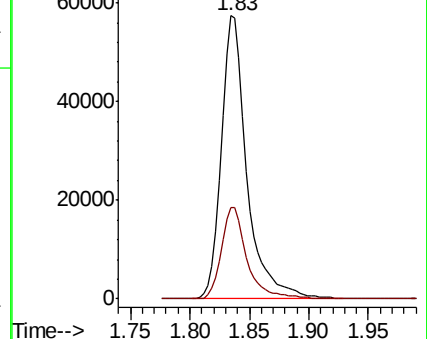
85 100

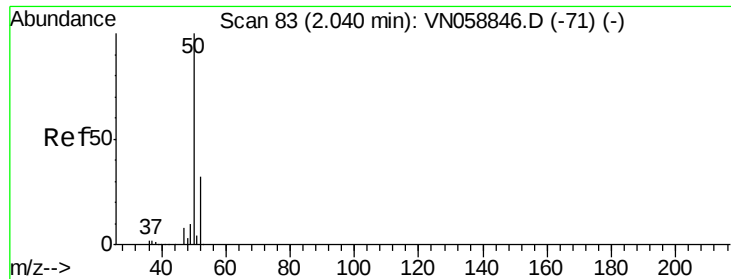
87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.652 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

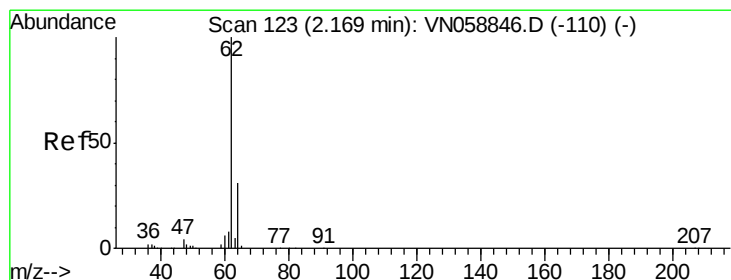
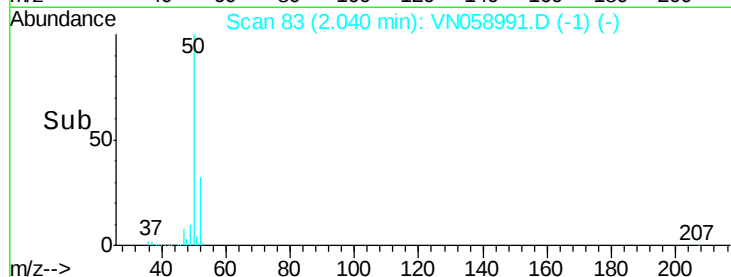
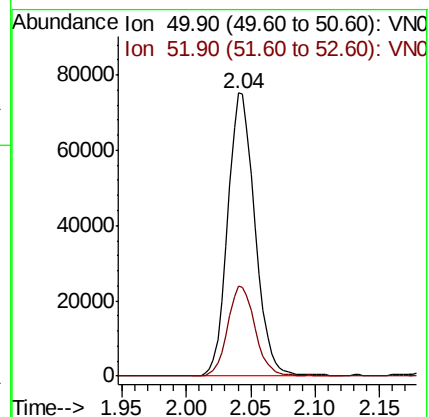
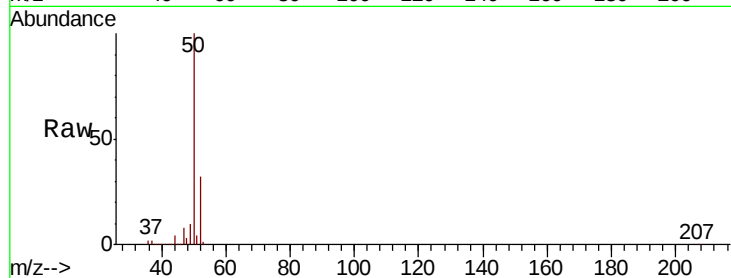
ClientSampleId :

Tot Ion: 50 Resp: 110204

Ion Ratio Lower Upper

50 100

52 31.6 25.7 38.5



#4

Vinyl Chloride

Concen: 19.406 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058991.D

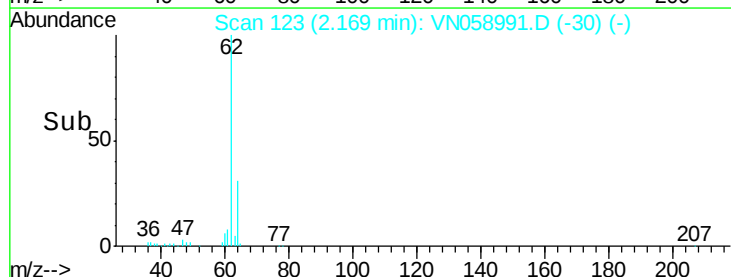
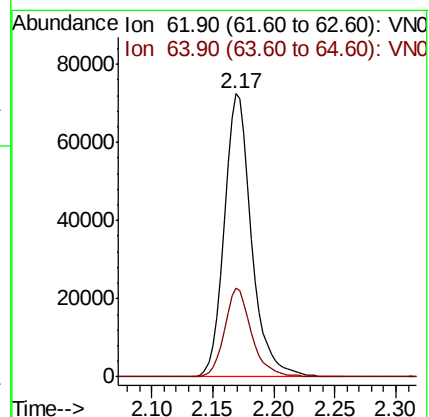
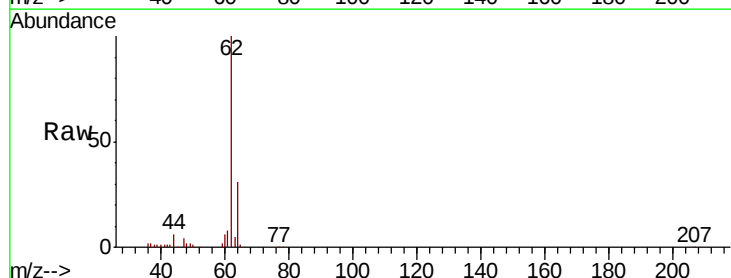
Acq: 28 Oct 2019 12:44

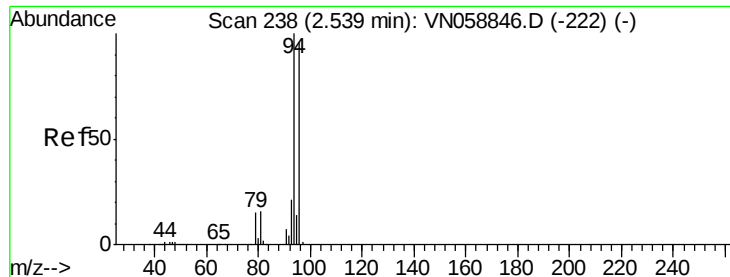
Tgt Ion: 62 Resp: 113847

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8





#5

Bromomethane

Concen: 18.463 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

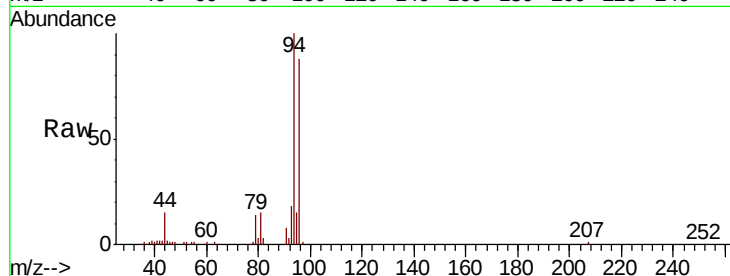
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 67826

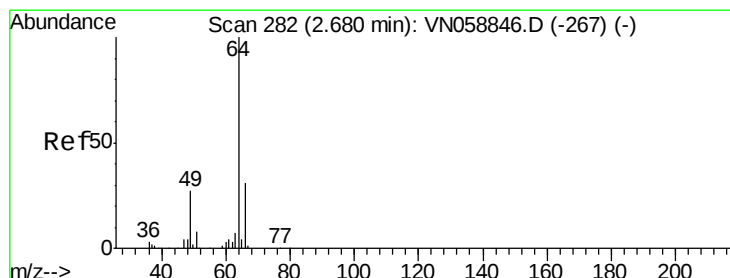
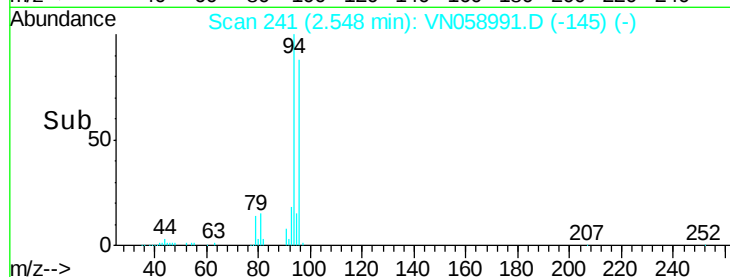
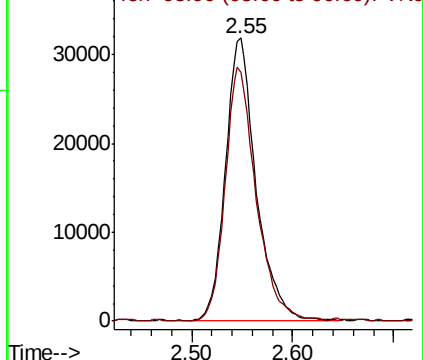
Ion Ratio Lower Upper

94 100

96 88.1 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.443 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058991.D

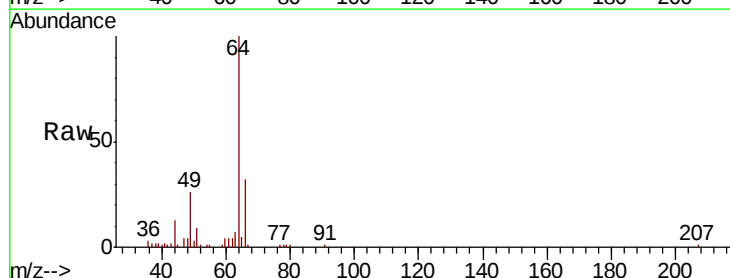
Acq: 28 Oct 2019 12:44

Tgt Ion: 64 Resp: 69382

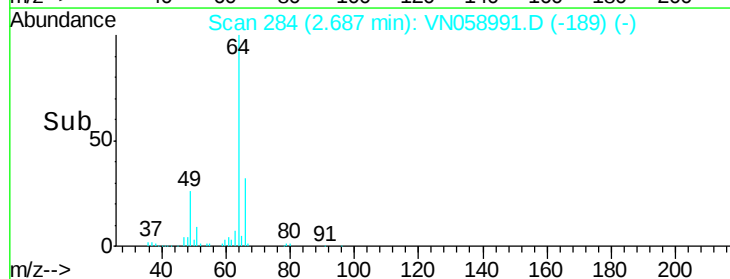
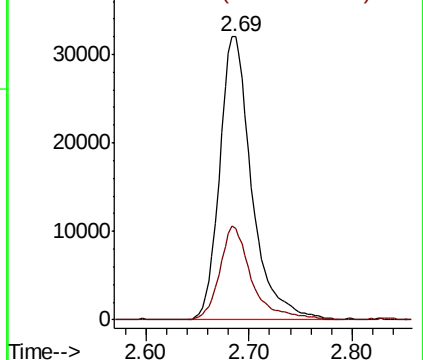
Ion Ratio Lower Upper

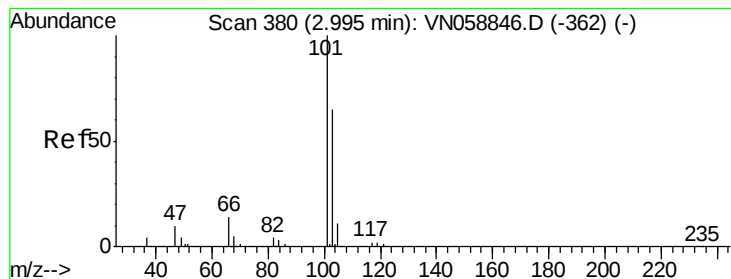
64 100

66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



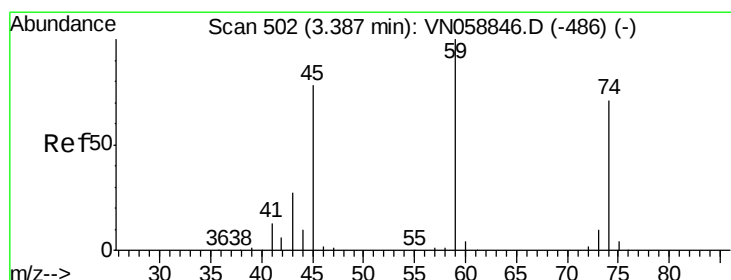
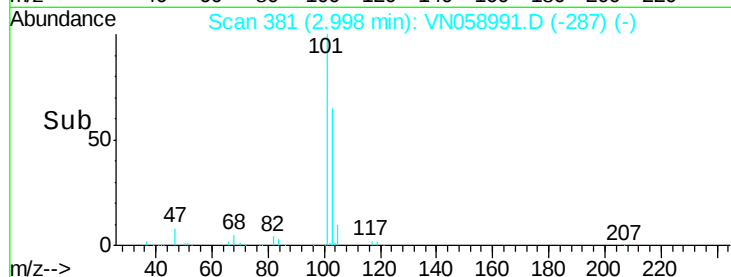
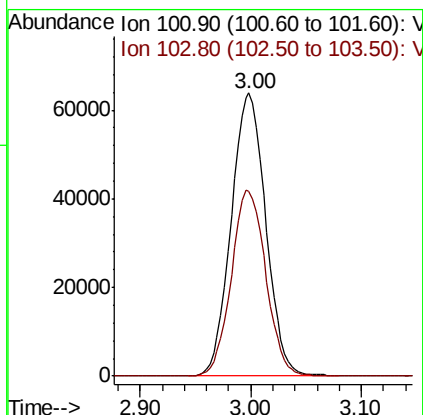
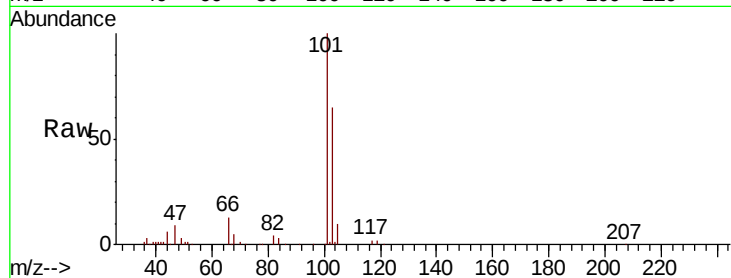


#7

Trichlorofluoromethane
Concen: 19.108 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :

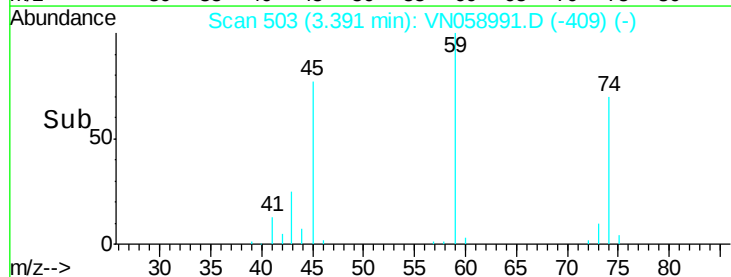
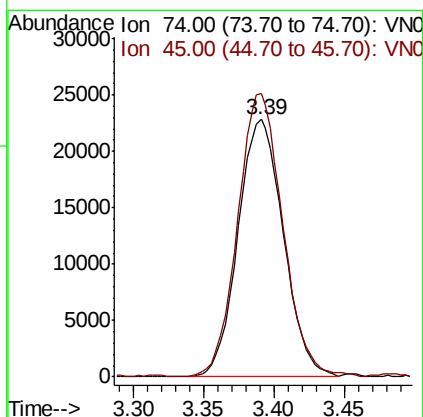
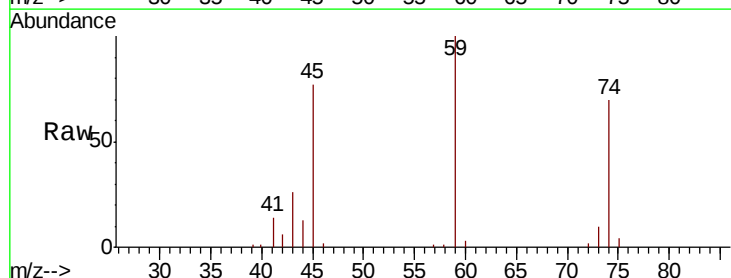
Tot Ion:101 Resp: 138698
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

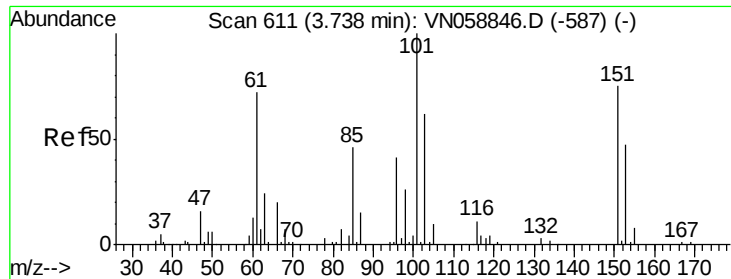


#8

Diethyl Ether
Concen: 20.492 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 74 Resp: 51402
Ion Ratio Lower Upper
74 100
45 109.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.856 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

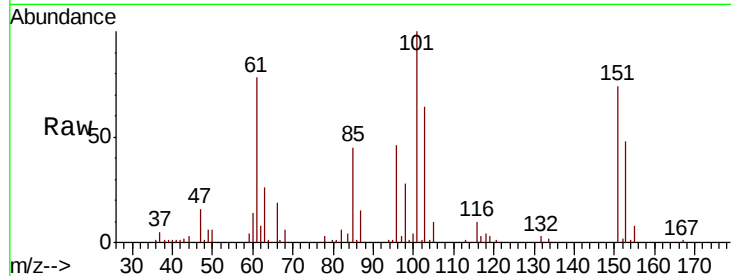
Tot Ion:101 Resp: 79902

Ion Ratio Lower Upper

101 100

85 45.0 37.2 55.8

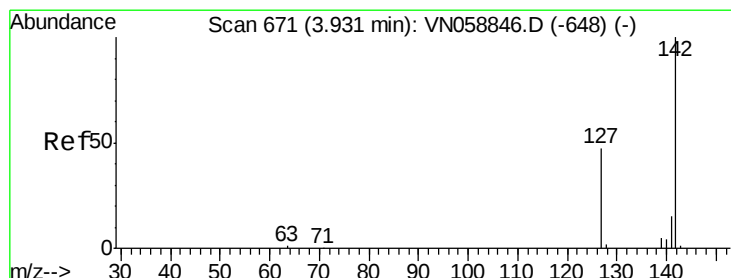
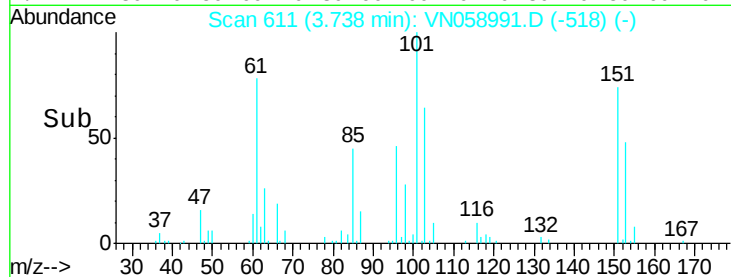
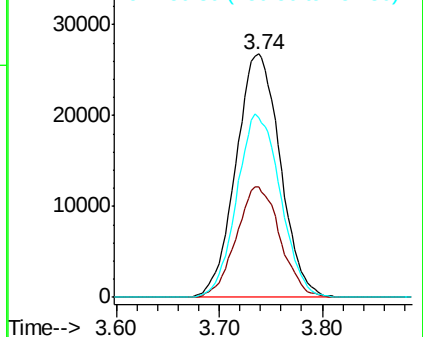
151 74.2 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.539 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

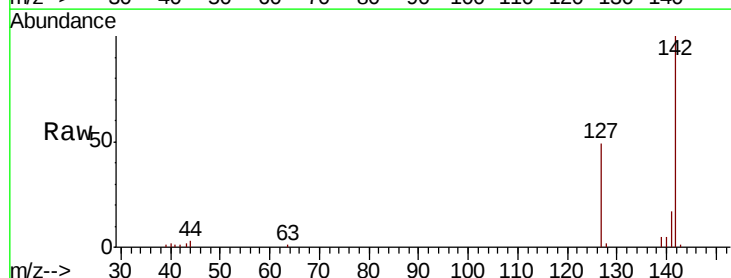
Tgt Ion:142 Resp: 87534

Ion Ratio Lower Upper

142 100

127 46.6 36.6 54.8

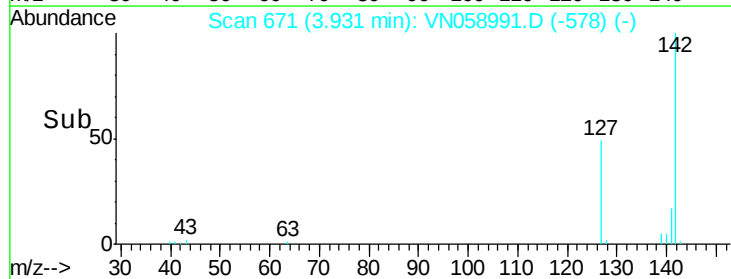
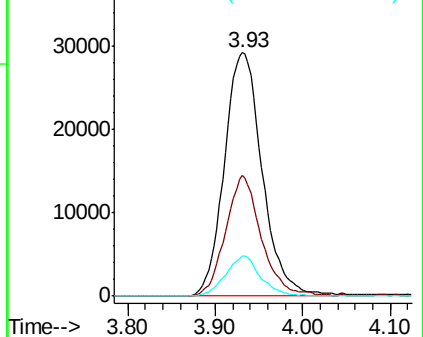
141 15.1 11.4 17.2

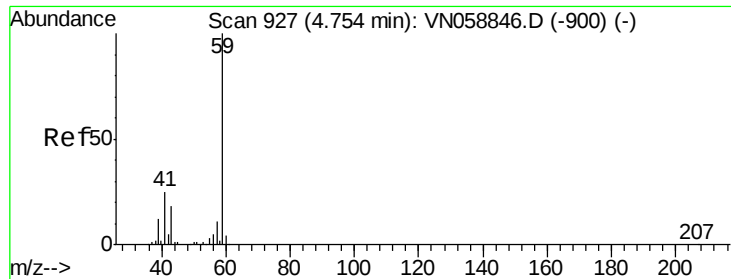


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

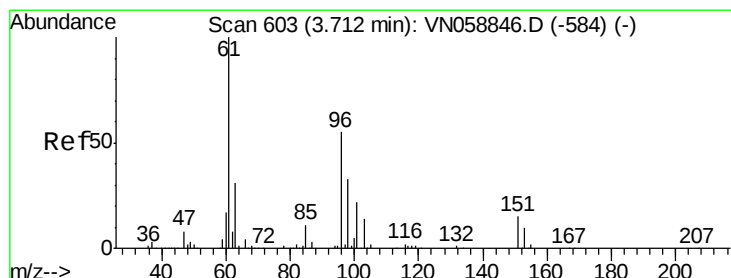
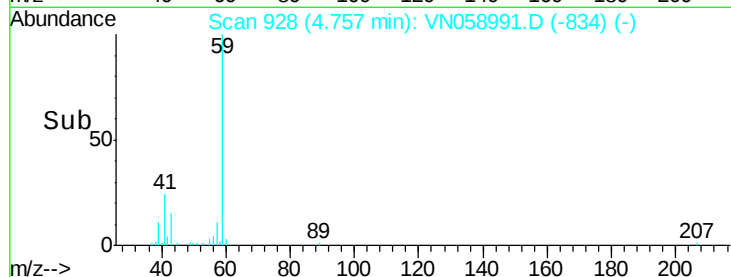
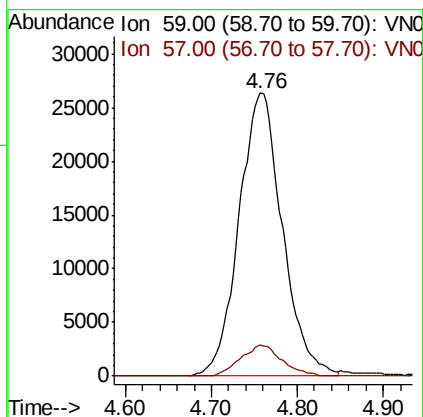
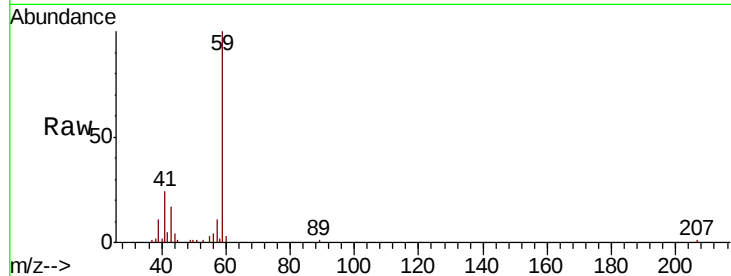




#11
Tert butyl alcohol
Concen: 99.189 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

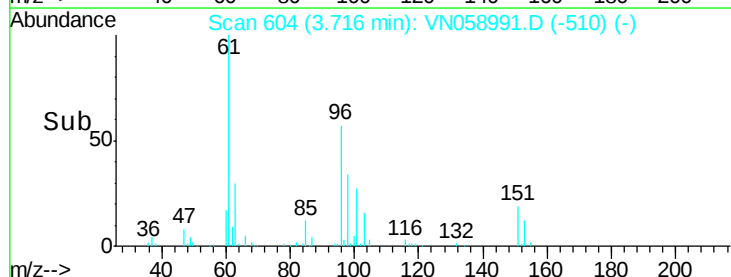
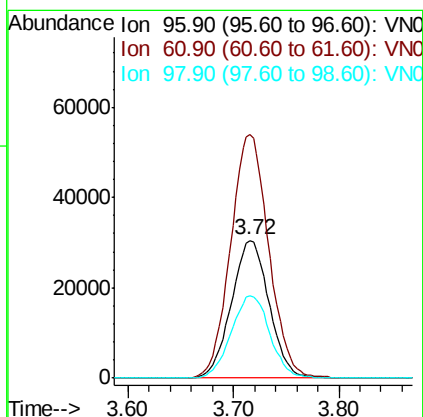
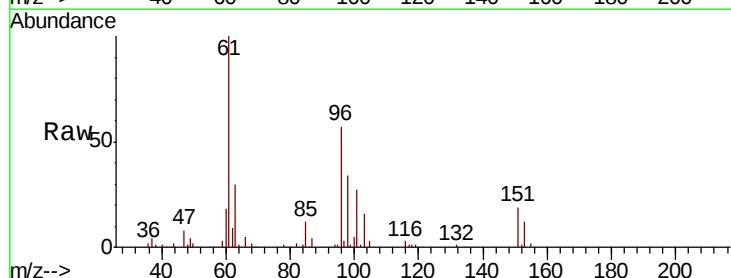
Instrument :
MSVOA_N
ClientSampled :

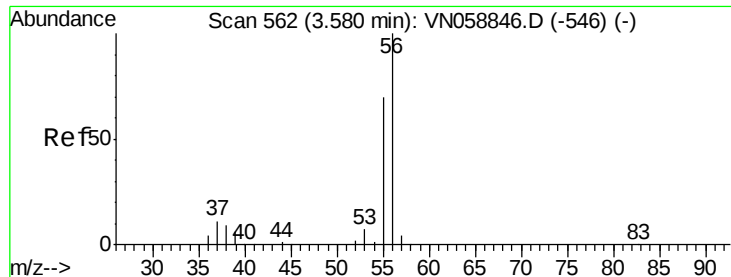
Tot Ion: 59 Resp: 92369
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8



#12
1,1-Dichloroethene
Concen: 20.072 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 96 Resp: 75710
Ion Ratio Lower Upper
96 100
61 176.6 146.2 219.2
98 59.8 48.7 73.1





#13

Acrolein

Concen: 58.934 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

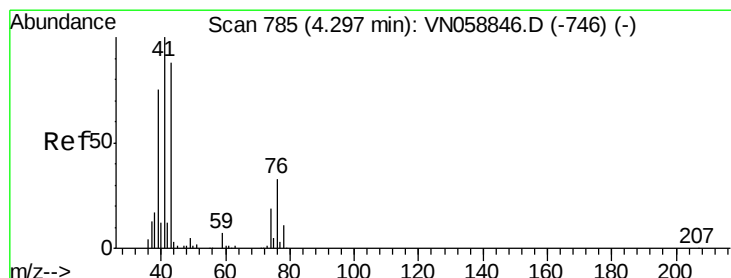
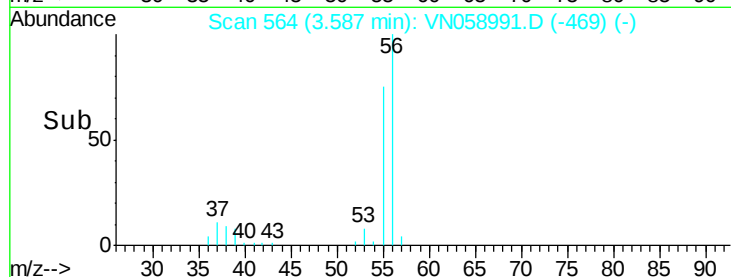
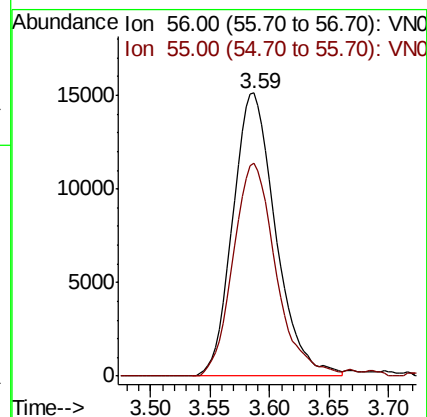
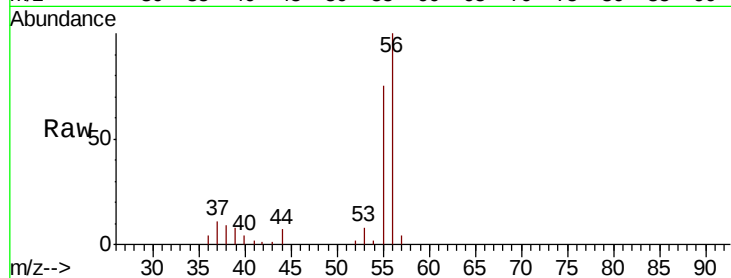
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 37710

Ion Ratio Lower Upper

56 100

55 75.1 56.6 85.0



#14

Allyl chloride

Concen: 20.058 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

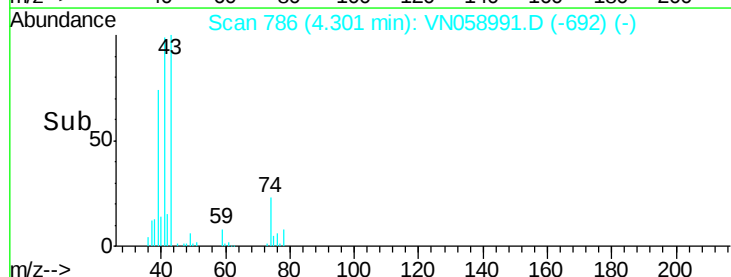
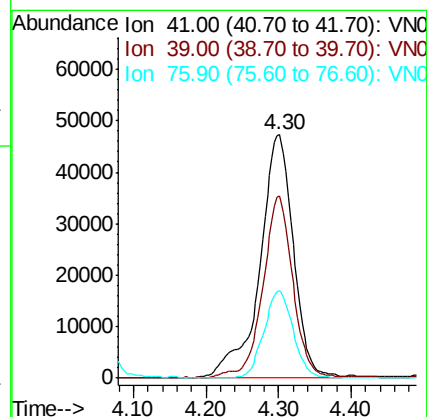
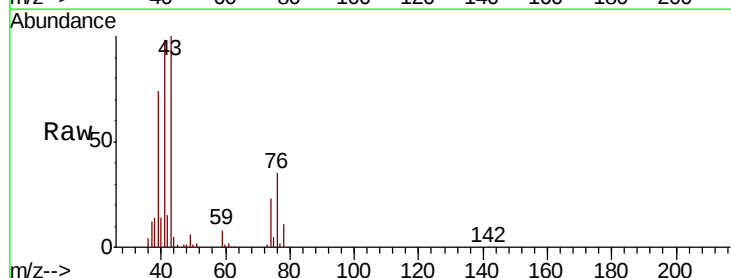
Tgt Ion: 41 Resp: 153092

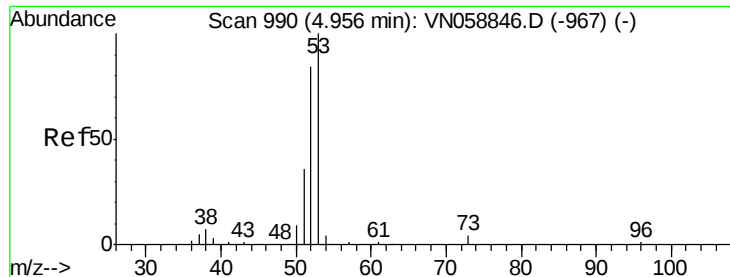
Ion Ratio Lower Upper

41 100

39 66.8 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 105.139 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

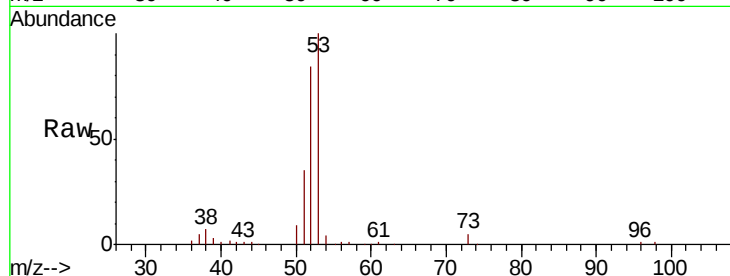
Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 246285

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	99.8
51	36.6	29.2	43.8

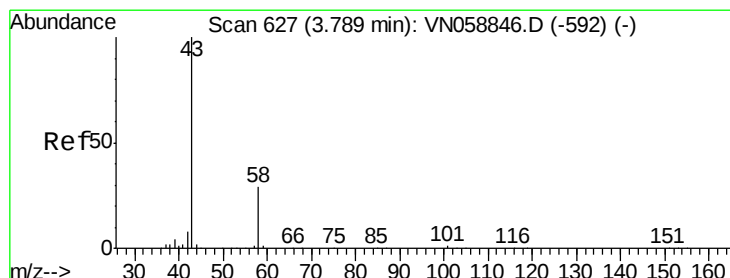
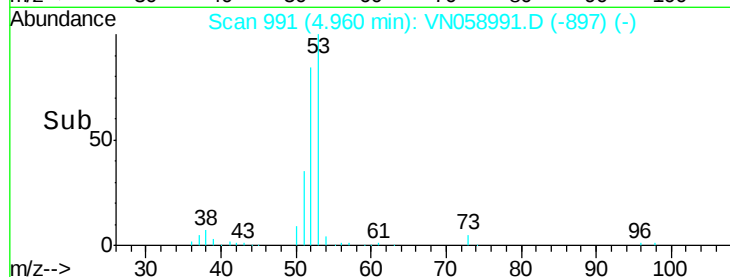
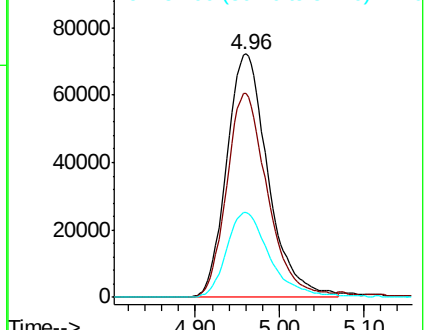


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.571 ug/l

RT: 3.79 min Scan# 628

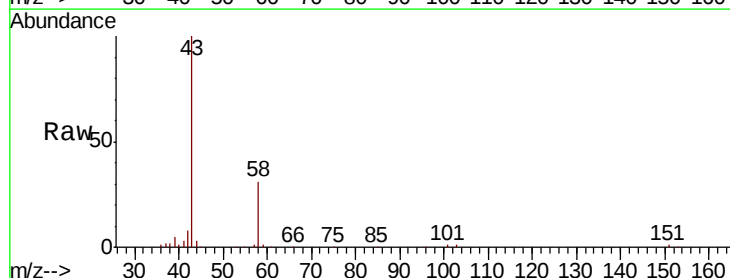
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion: 43 Resp: 251152

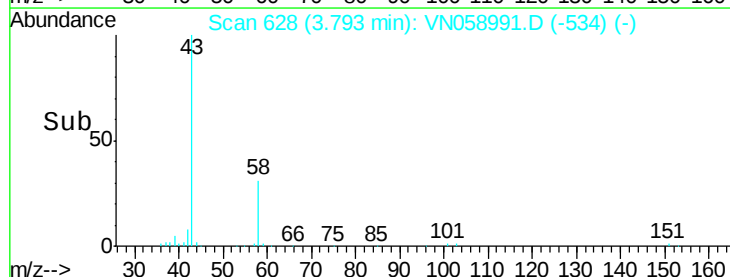
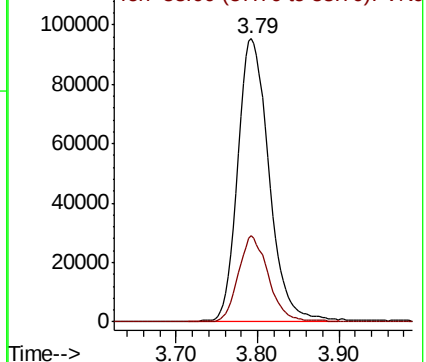
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.1	34.7

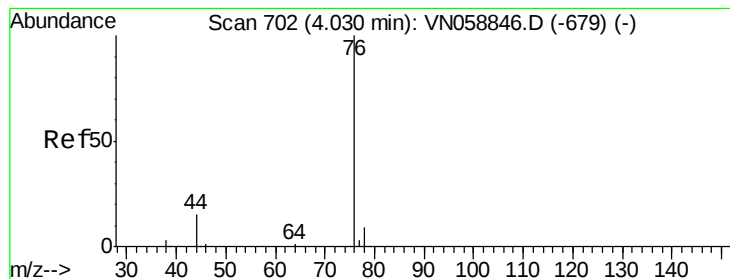


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.671 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

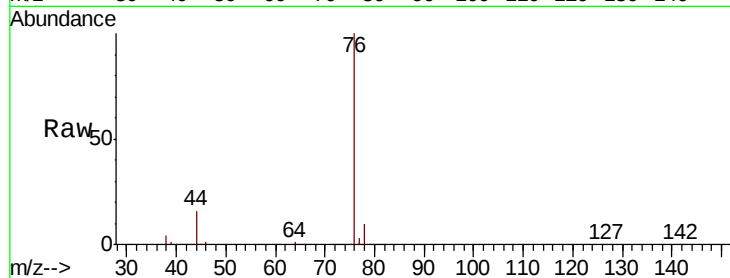
ClientSampleId :

Tot Ion: 76 Resp: 214717

Ion Ratio Lower Upper

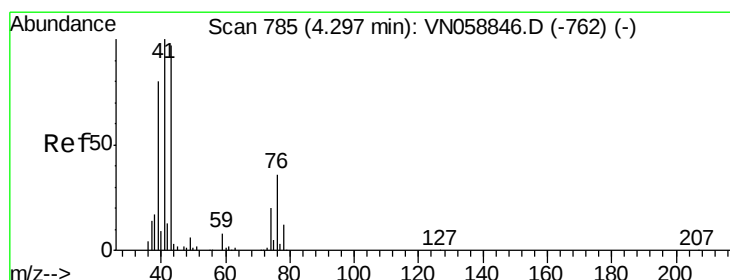
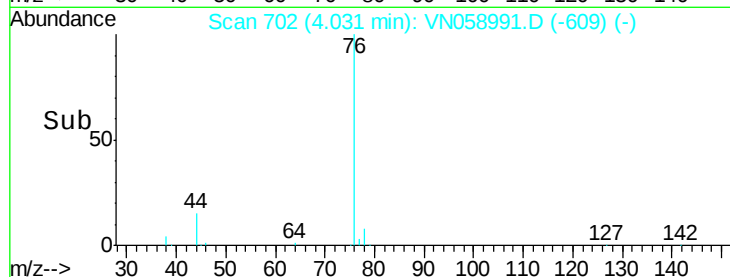
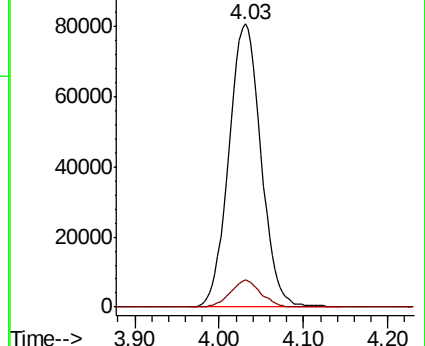
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.758 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058991.D

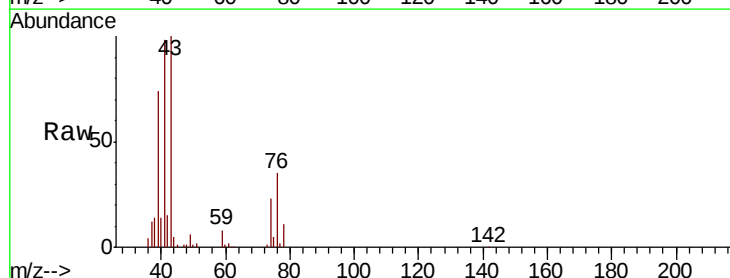
Acq: 28 Oct 2019 12:44

Tgt Ion: 43 Resp: 137173

Ion Ratio Lower Upper

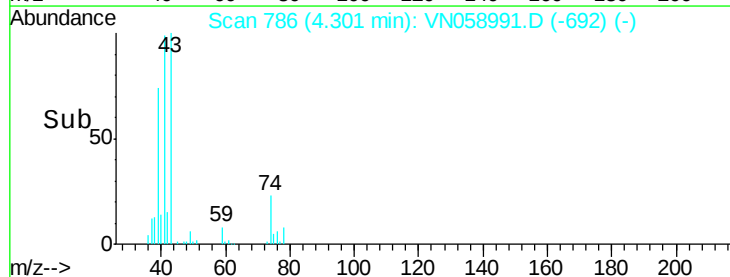
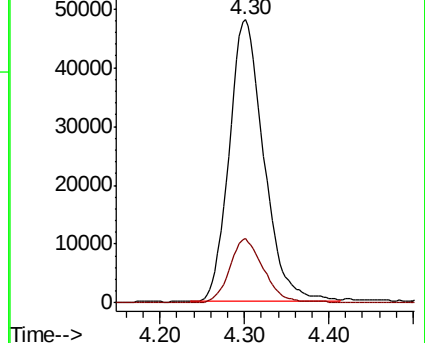
43 100

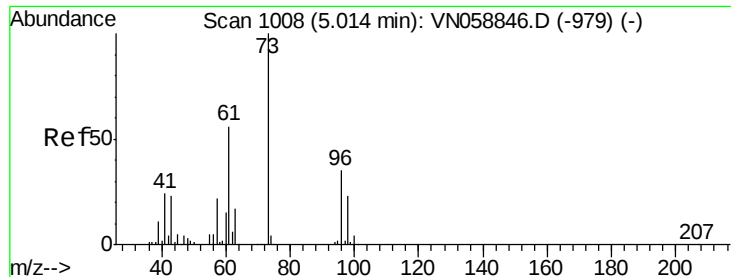
74 22.0 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

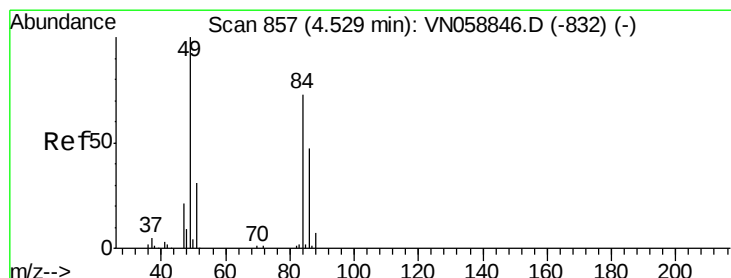
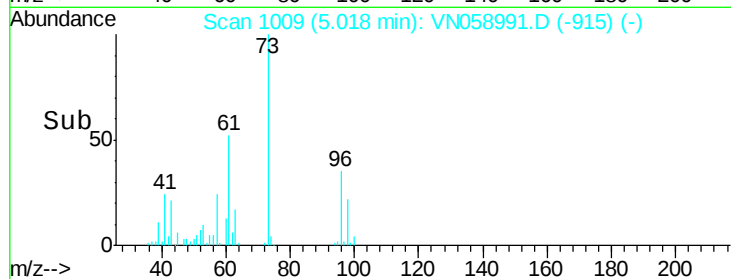
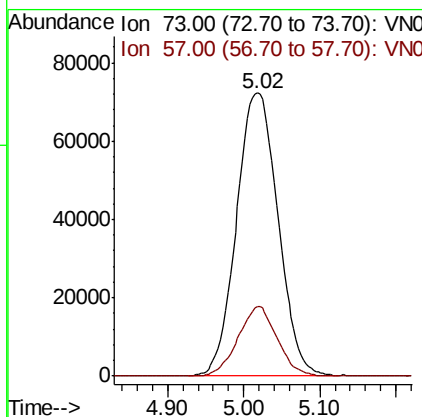
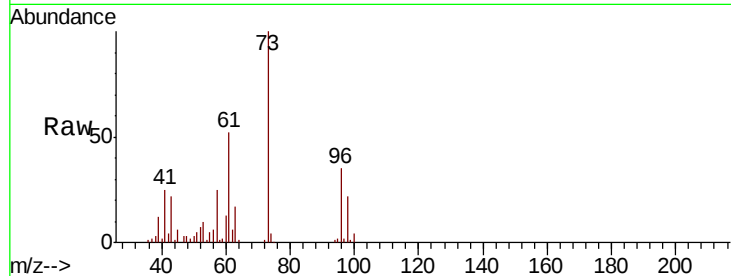




#19
Methvl tert-butvl Ether
Concen: 20.836 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

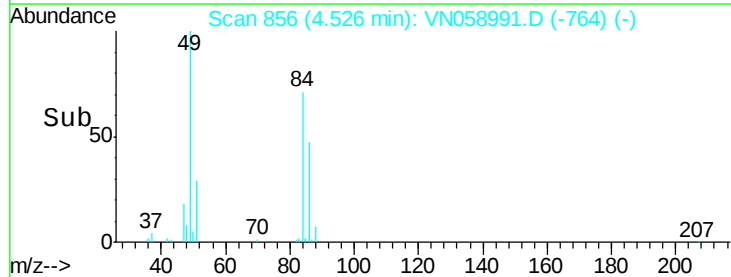
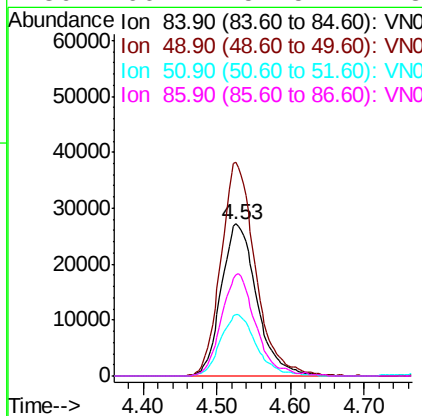
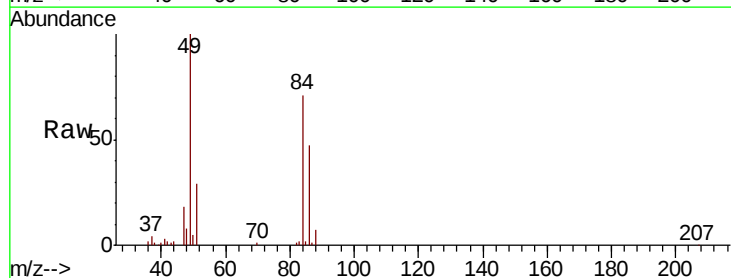
Instrument :
MSVOA_N
ClientSampled :

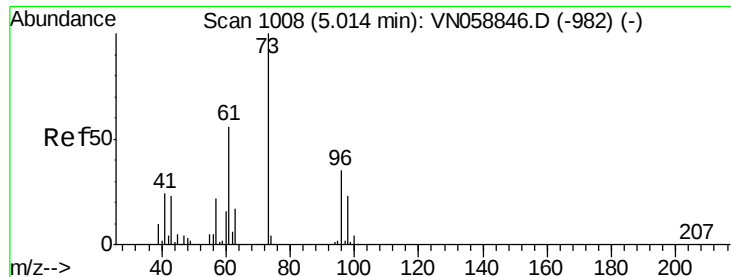
Tot Ion: 73 Resp: 275200
Ion Ratio Lower Upper
73 100
57 24.7 17.9 26.9



#20
Methylene Chloride
Concen: 19.339 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 84 Resp: 91568
Ion Ratio Lower Upper
84 100
49 140.0 109.6 164.4
51 40.8 33.8 50.6
86 66.4 51.5 77.3



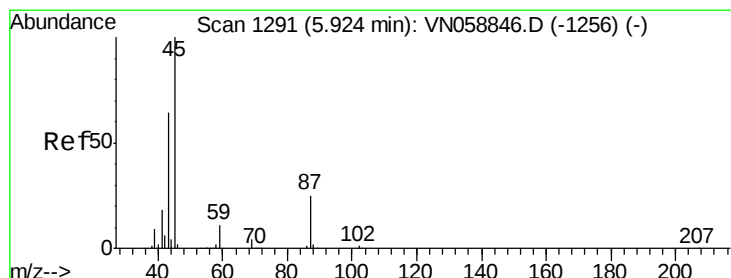
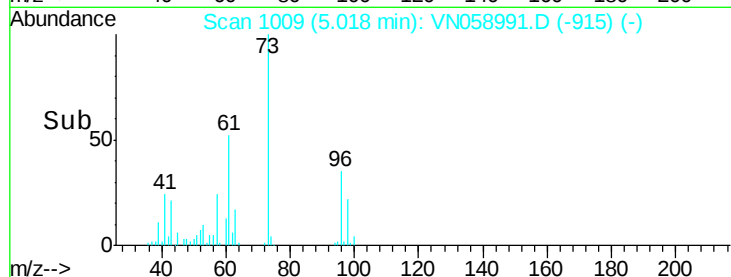
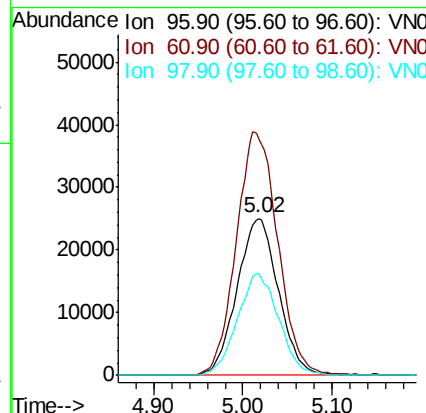
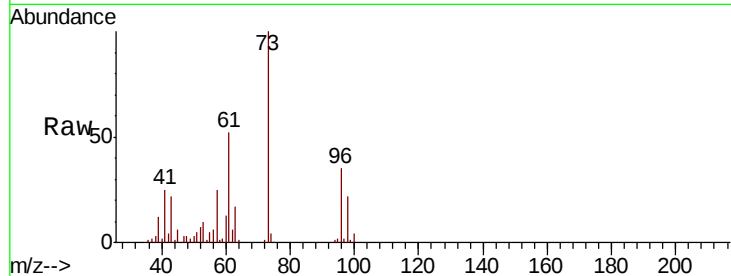


#21

trans-1,2-Dichloroethene
Concen: 19.278 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :

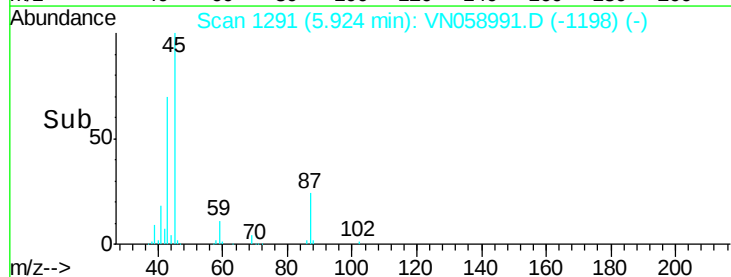
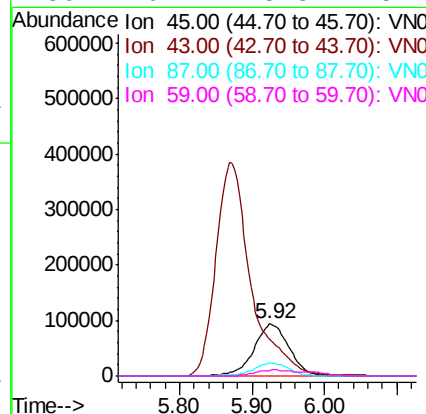
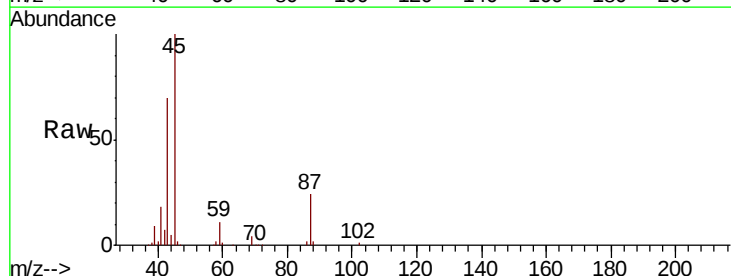
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	126.7	190.1
98	64.4	52.0	78.0

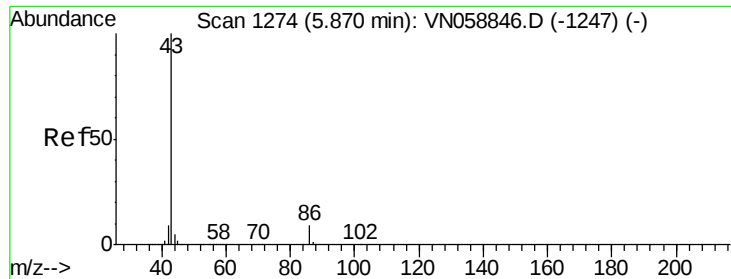


#22

Diisopropyl ether
Concen: 21.127 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.5	52.9	79.3
87	23.9	20.2	30.4
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 108.101 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

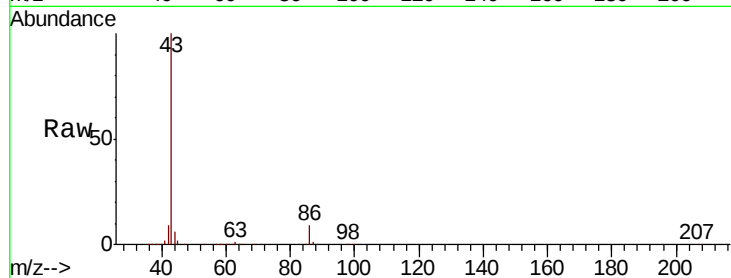
ClientSampled :

Tot Ion: 43 Resp: 1296623

Ion Ratio Lower Upper

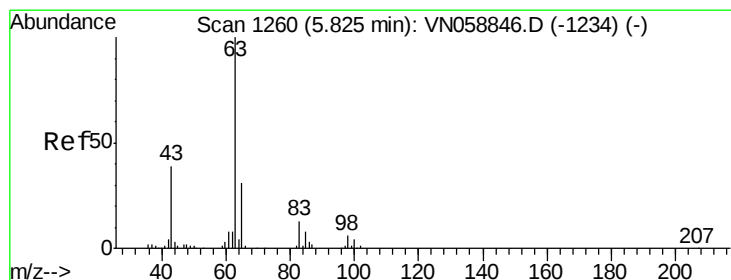
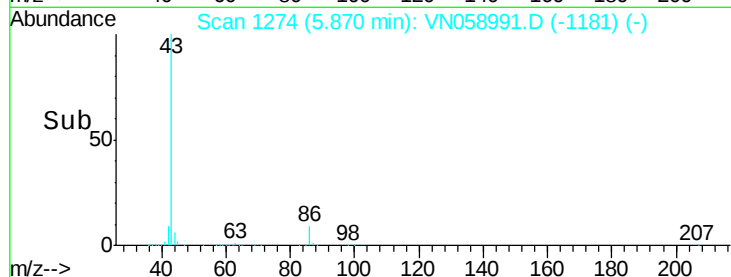
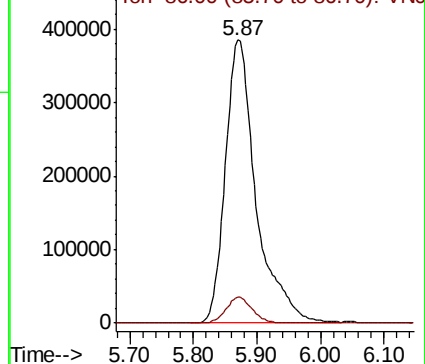
43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.111 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

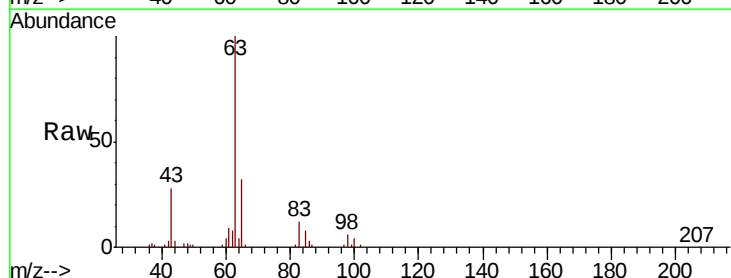
Tgt Ion: 63 Resp: 174095

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

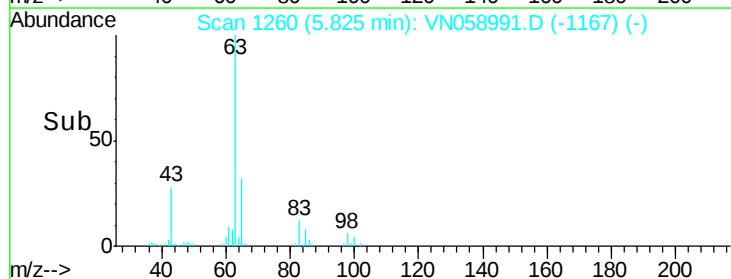
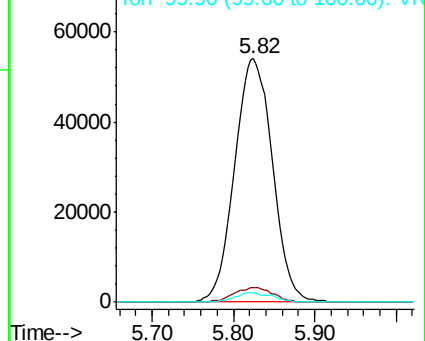
100 3.8 1.9 5.7

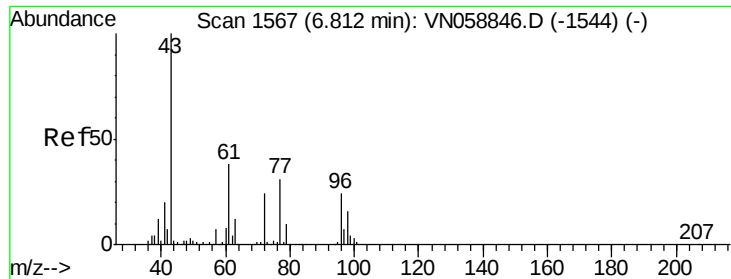


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.878 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

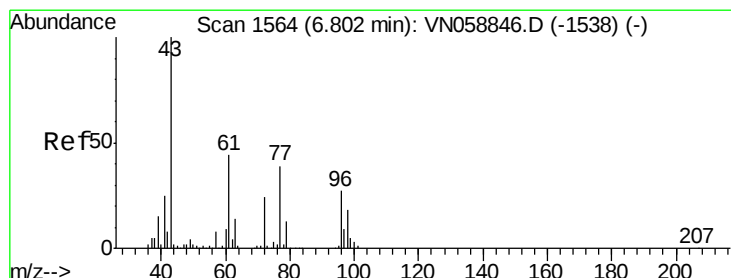
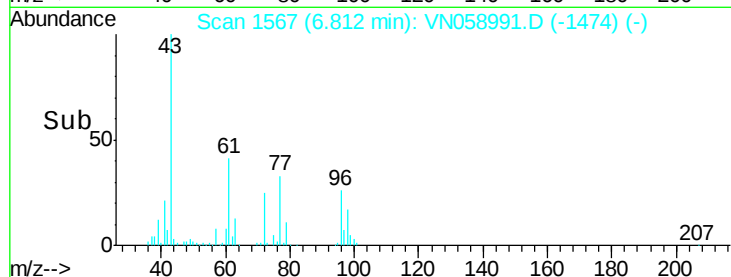
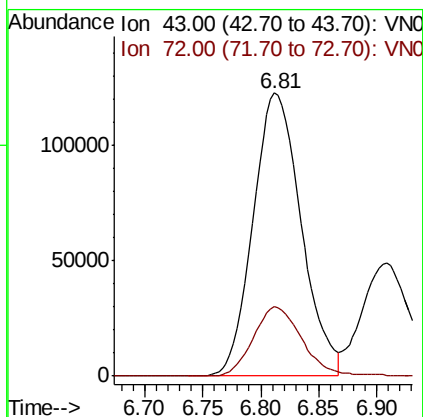
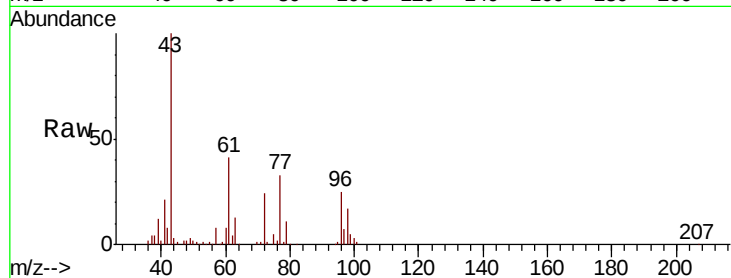
ClientSampled :

Tot Ion: 43 Resp: 352327

Ion Ratio Lower Upper

43 100

72 24.5 19.1 28.7



#26

2,2-Dichloropropane

Concen: 19.823 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058991.D

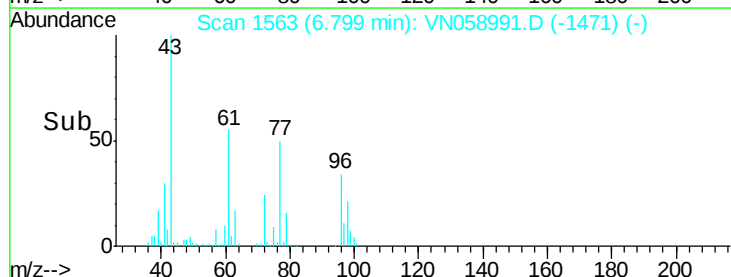
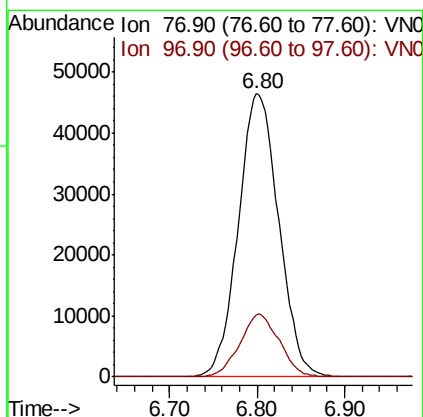
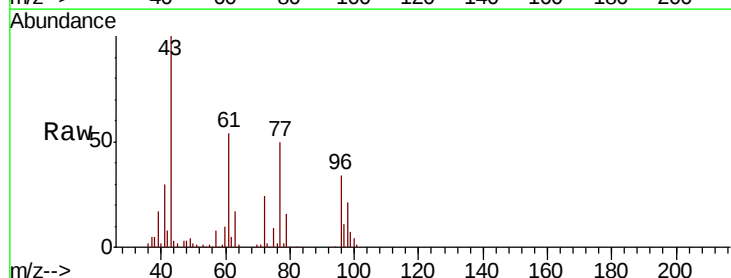
Acq: 28 Oct 2019 12:44

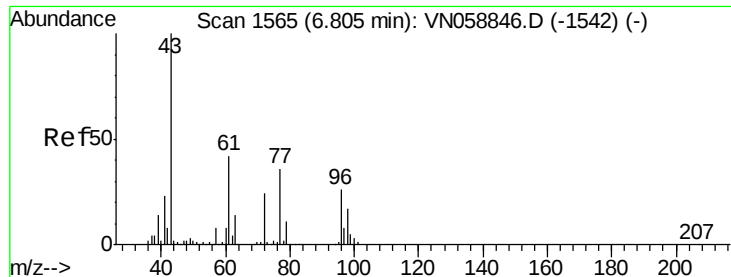
Tgt Ion: 77 Resp: 148426

Ion Ratio Lower Upper

77 100

97 21.6 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.308 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

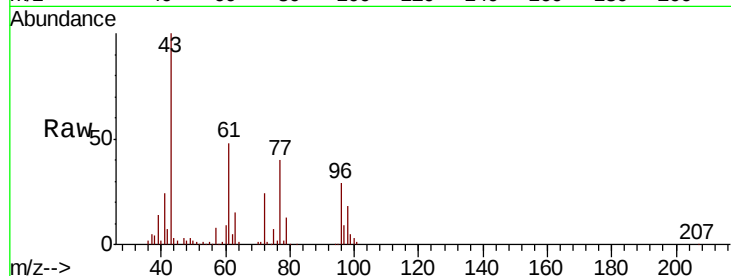
Tot Ion: 96 Resp: 96635

Ion Ratio Lower Upper

96 100

61 161.2 0.0 325.0

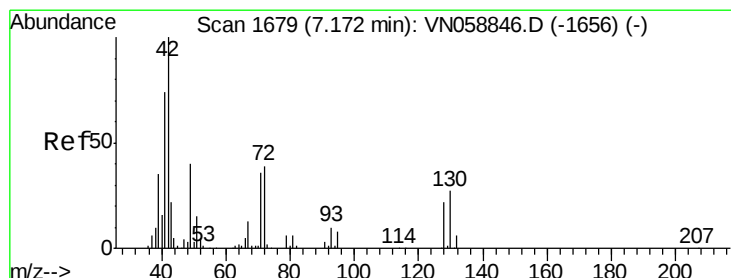
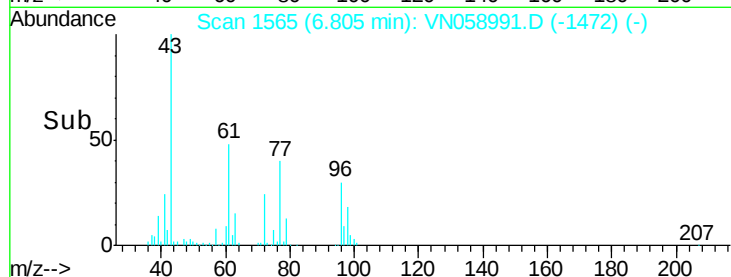
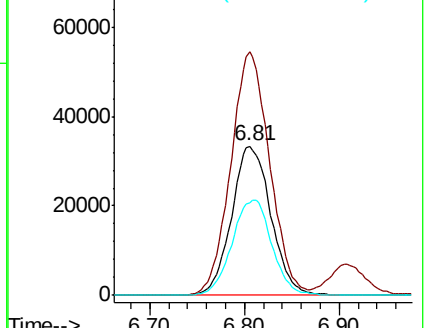
98 64.6 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)



#28

Bromochloromethane

Concen: 20.690 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

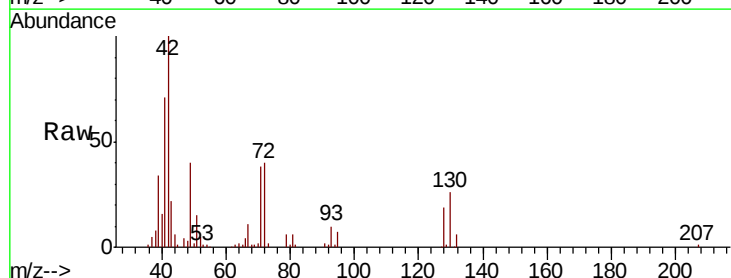
Tgt Ion: 49 Resp: 59649

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.2

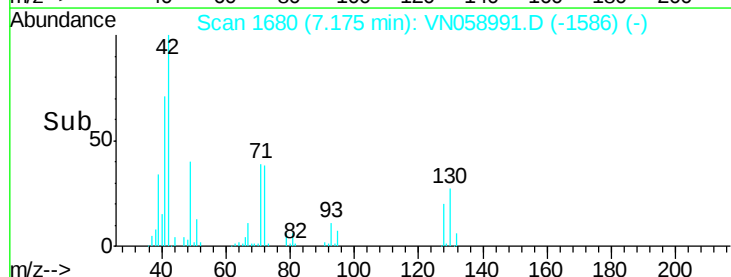
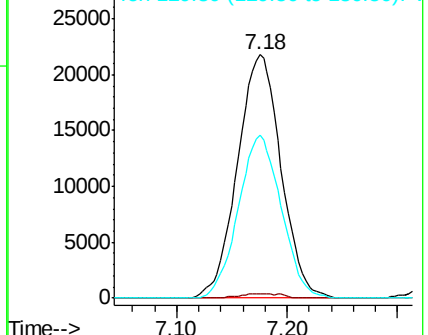
130 65.7 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VN058846.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN058846.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN058846.D (-1656) (-)





#29

Tetrahydrofuran

Concen: 103.728 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampled :

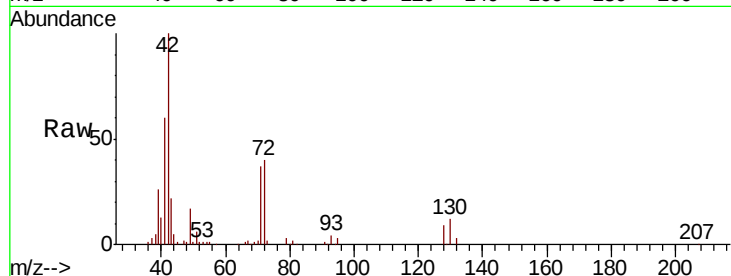
Tot Ion: 42 Resp: 228412

Ion Ratio Lower Upper

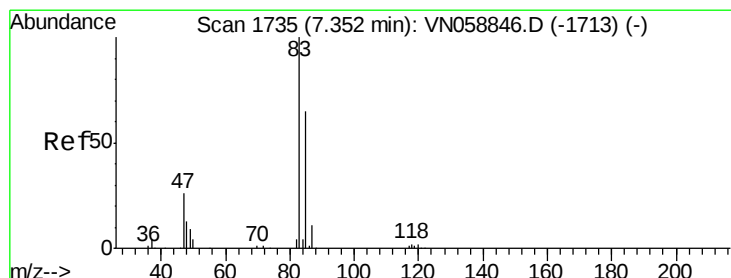
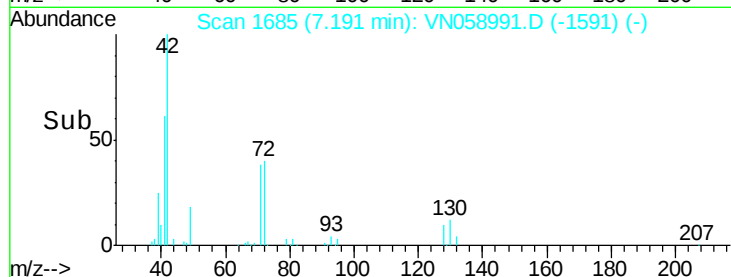
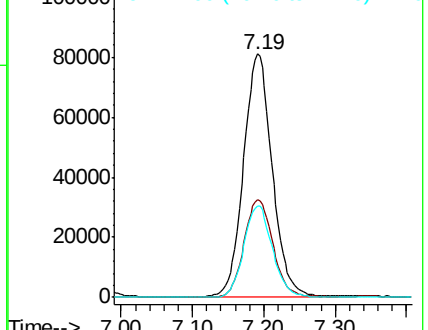
42 100

72 40.2 32.2 48.2

71 37.4 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.341 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058991.D

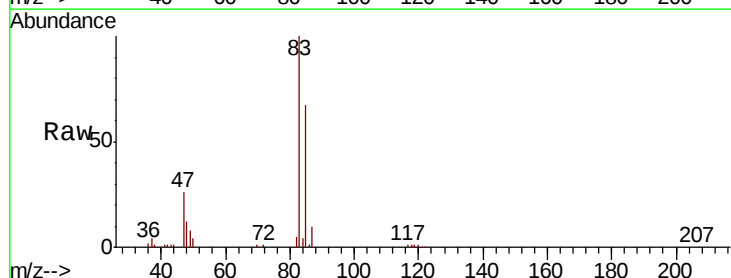
Acq: 28 Oct 2019 12:44

Tgt Ion: 83 Resp: 167944

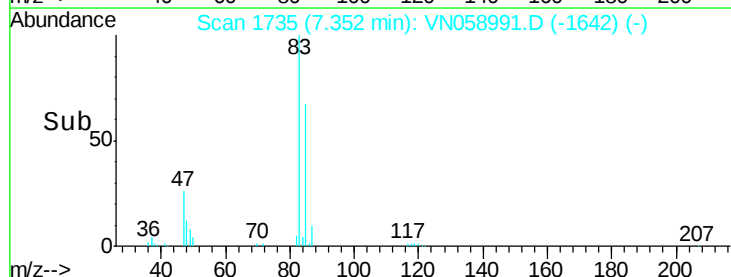
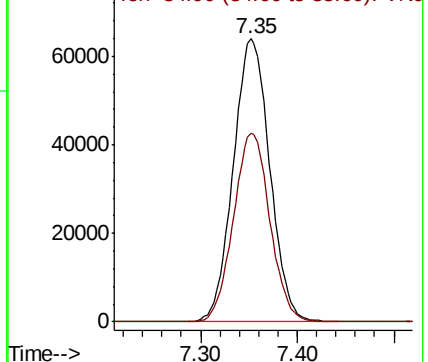
Ion Ratio Lower Upper

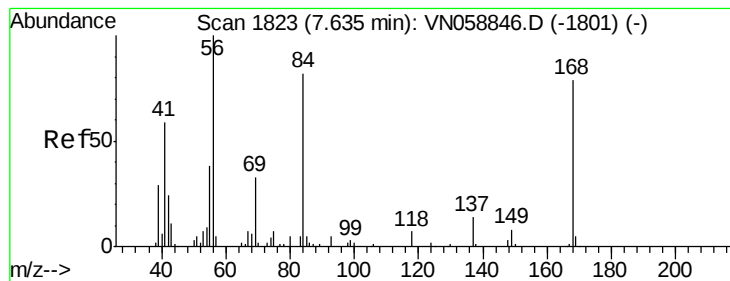
83 100

85 66.8 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.942 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :

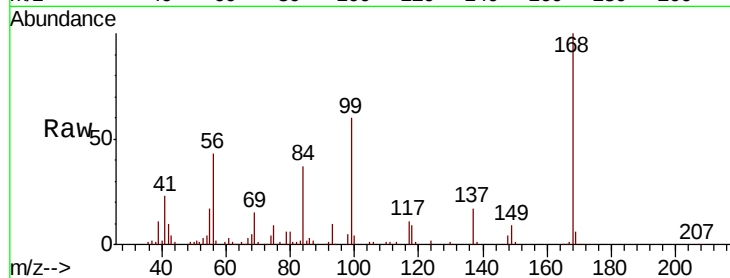
Tot Ion: 56 Resp: 152761

Ion Ratio Lower Upper

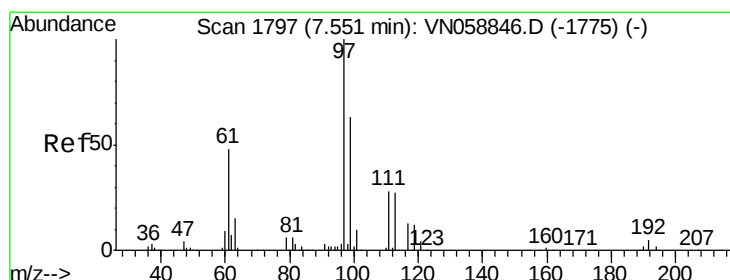
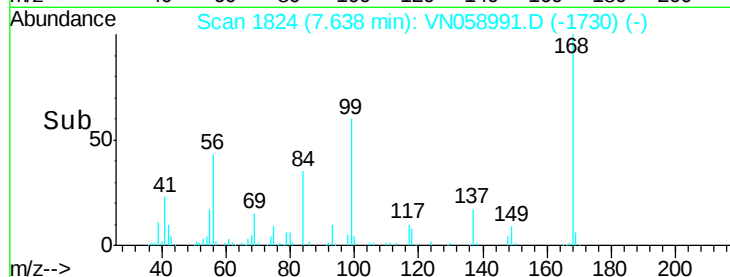
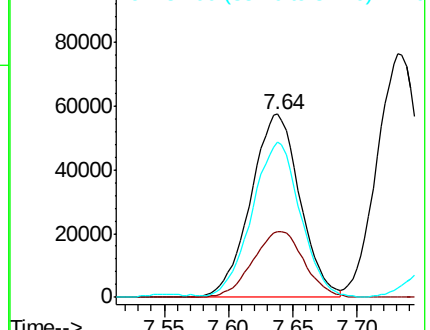
56 100

69 35.9 26.2 39.4

84 83.3 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.747 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

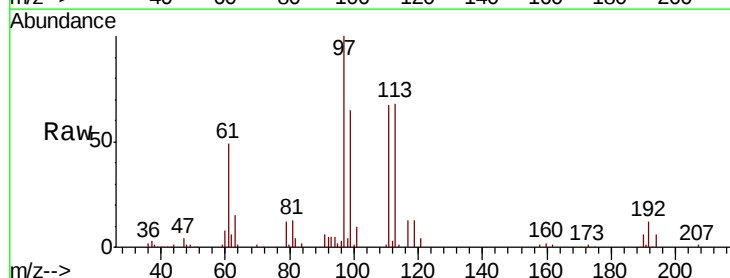
Tgt Ion: 97 Resp: 144536

Ion Ratio Lower Upper

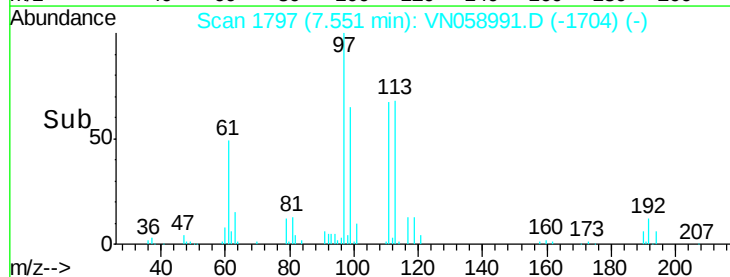
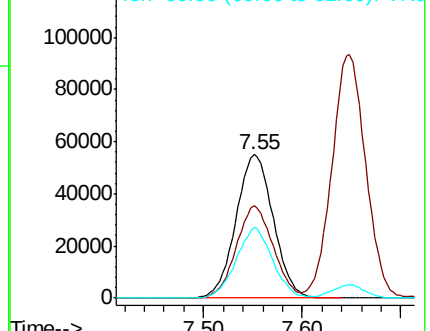
97 100

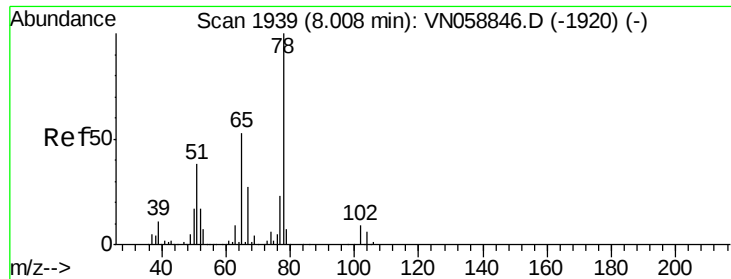
99 63.8 51.0 76.4

61 48.0 38.6 58.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.320 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

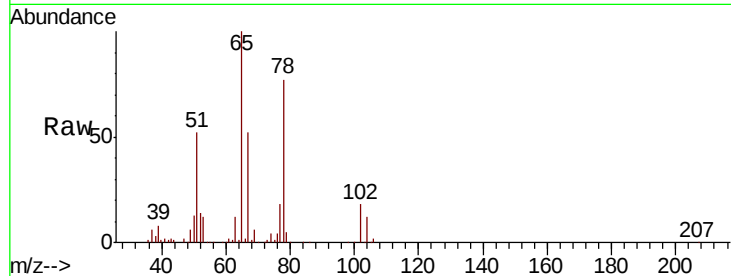
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 271158

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN058846.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058846.D (-1920) (-)

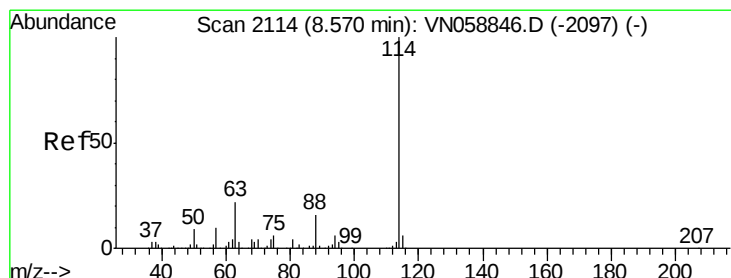
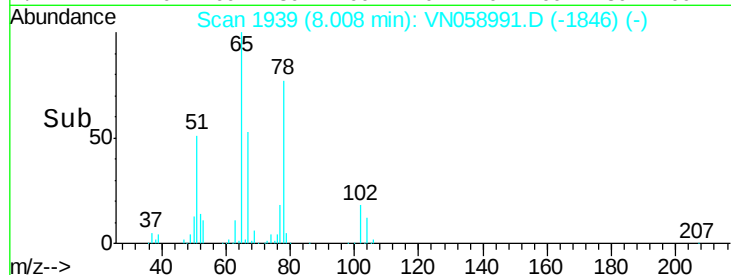
8.01

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

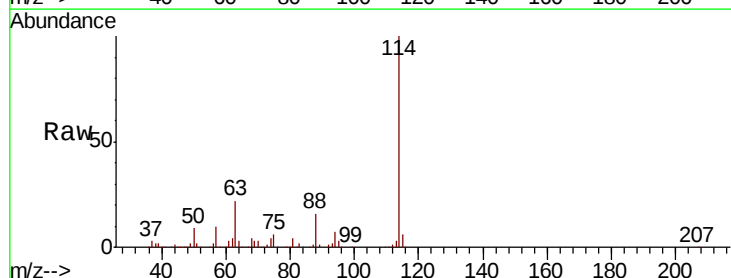
Tgt Ion: 114 Resp: 611832

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.4

88 16.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN058846.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058846.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058846.D (-2097) (-)

8.57

400000

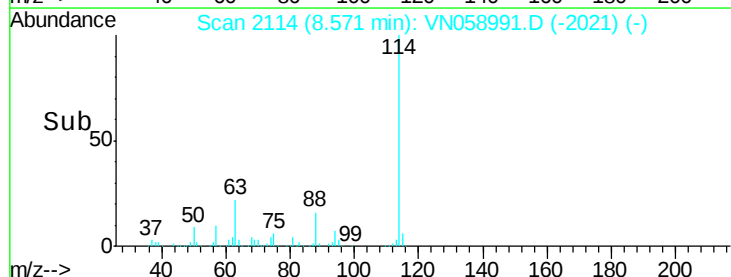
300000

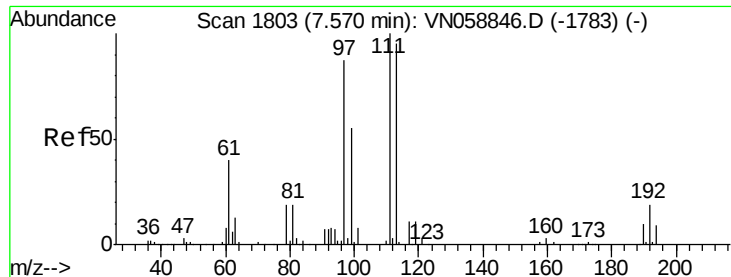
200000

100000

0

Time-->

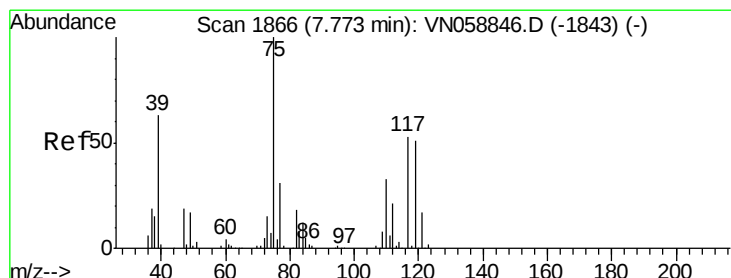
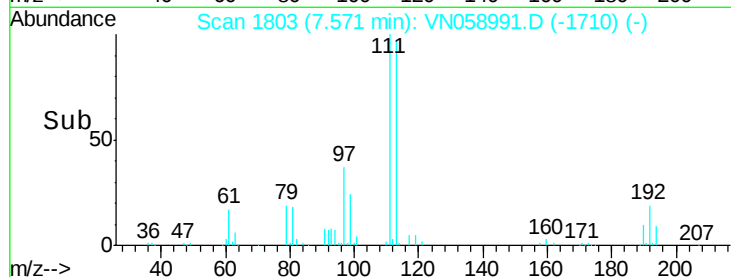
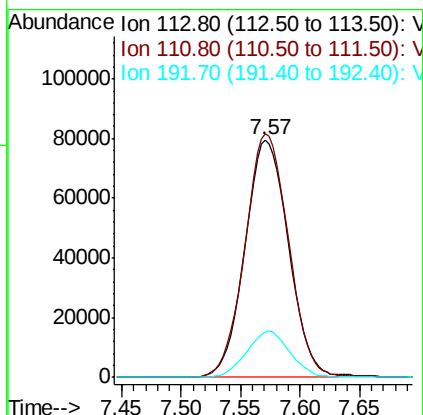
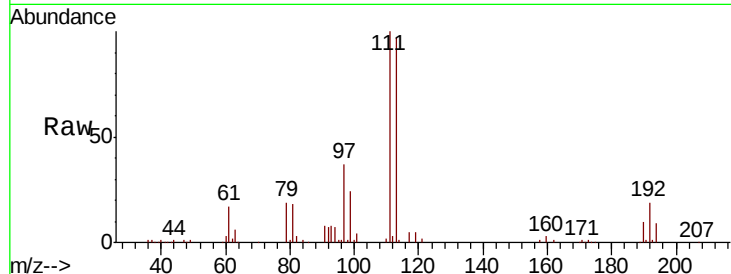




#35
Dibromofluoromethane
Concen: 50.083 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

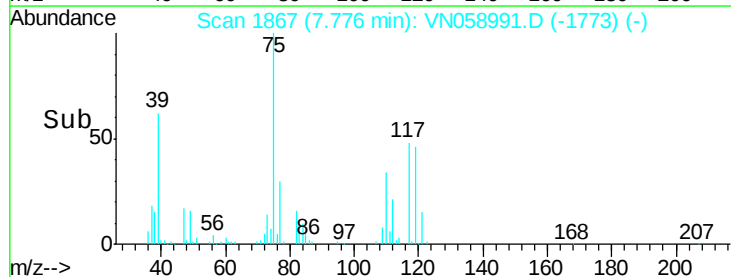
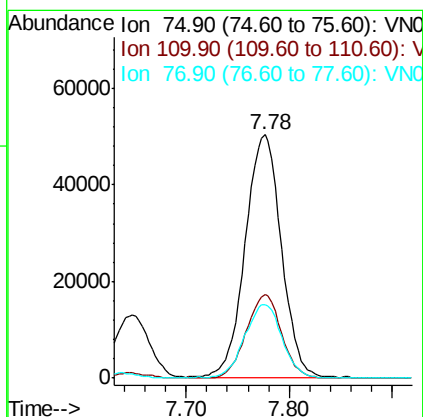
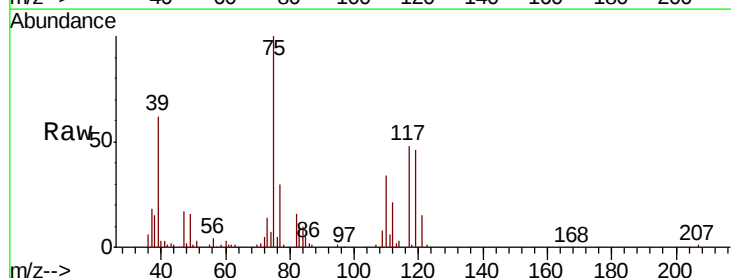
Instrument :
MSVOA_N
ClientSampleId :

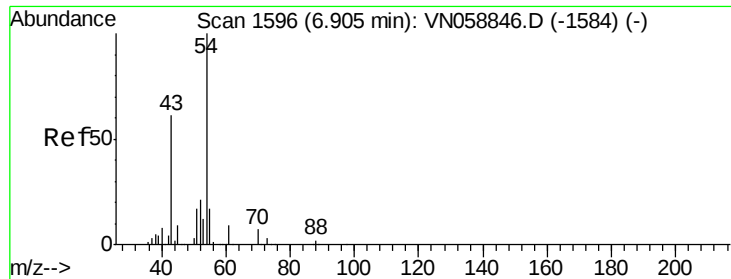
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	19.4	15.0	22.6



#36
1,1-Dichloropropene
Concen: 19.456 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.3	48.9
77	31.4	24.6	36.8

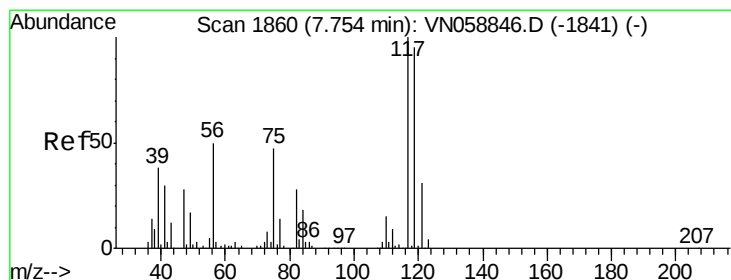
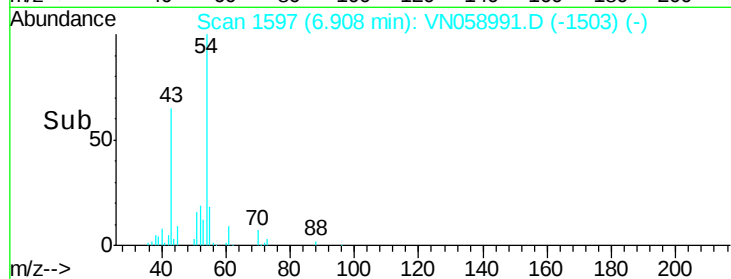
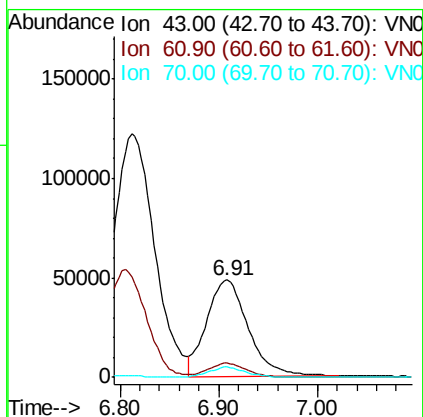
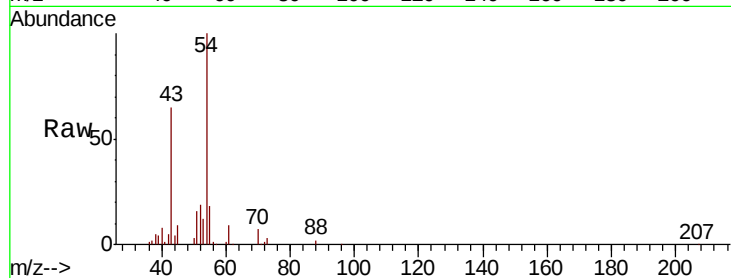




#37
Ethyl Acetate
Concen: 20.772 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

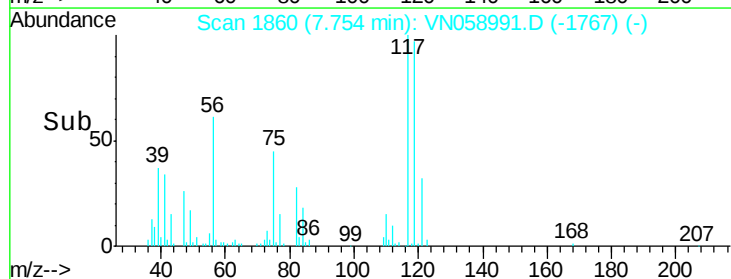
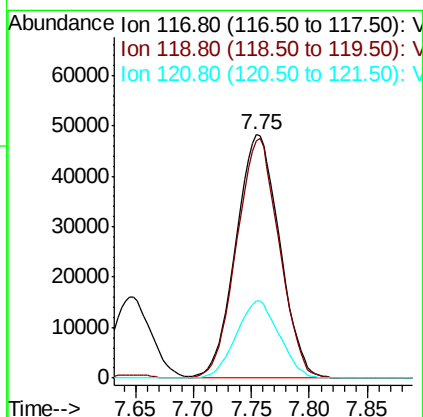
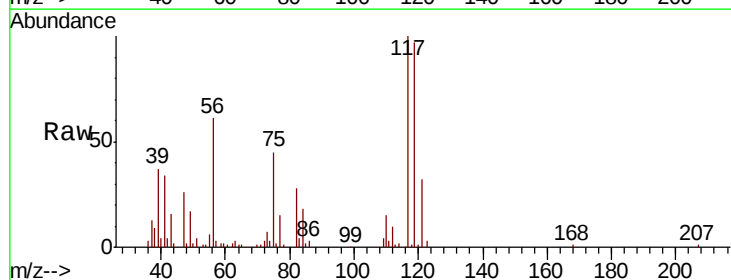
Instrument :
MSVOA_N
ClientSampled :

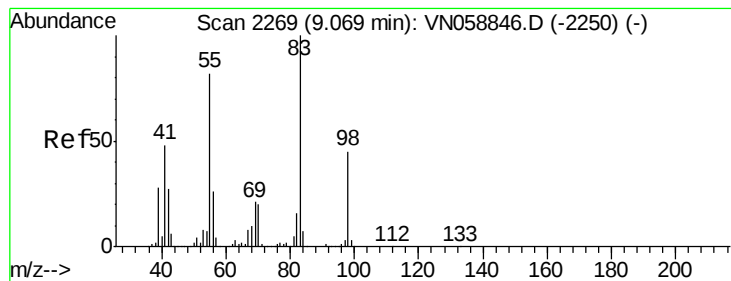
Tot Ion: 43 Resp: 141771
Ion Ratio Lower Upper
43 100
61 12.6 10.5 15.7
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.518 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 117 Resp: 125951
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5
121 32.0 25.0 37.6

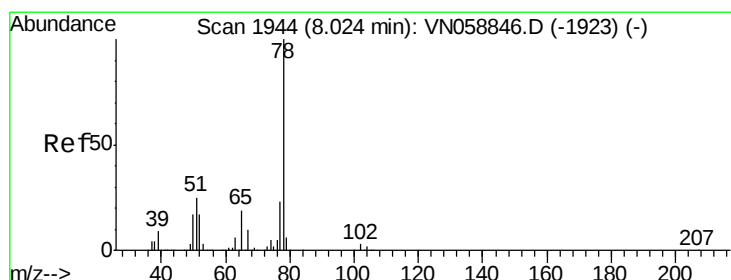
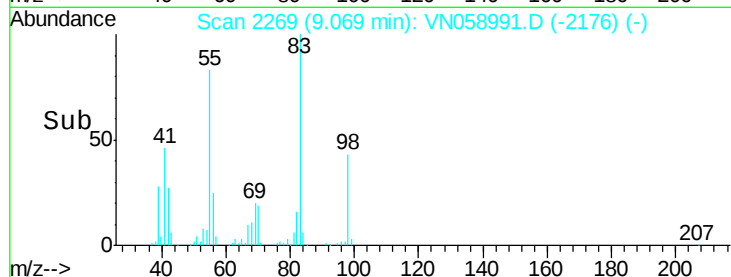
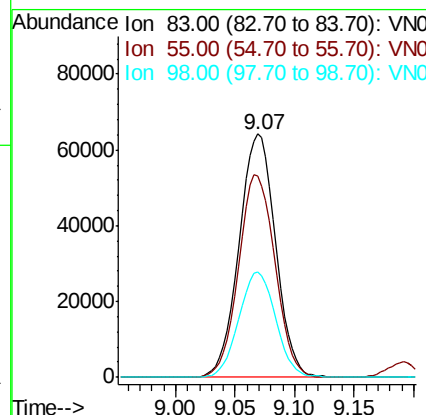
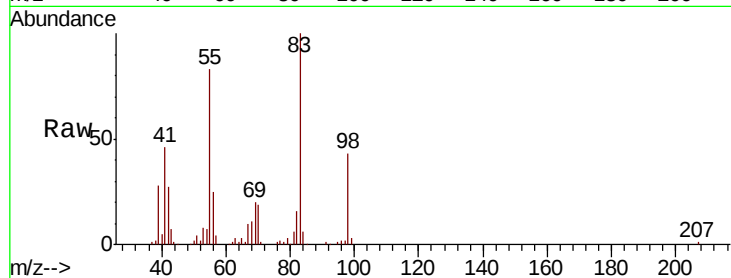




#39
Methvlcvclohexane
Concen: 19.387 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

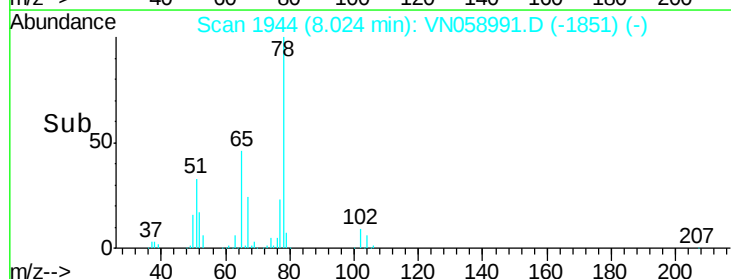
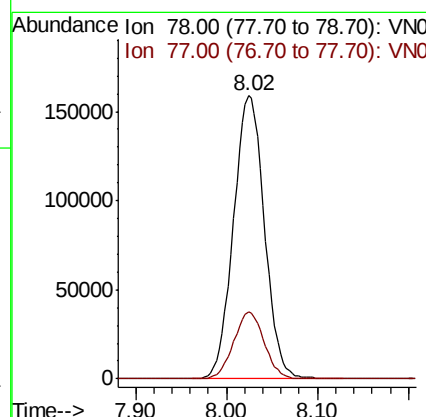
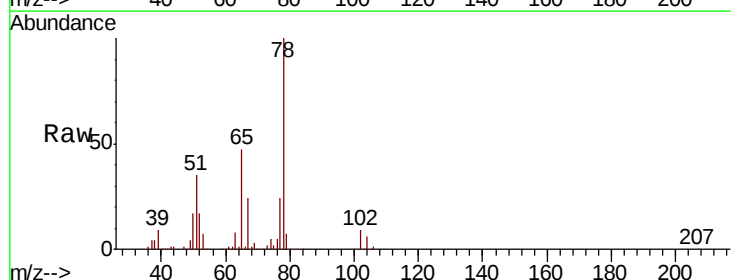
Instrument :
MSVOA_N
ClientSampled :

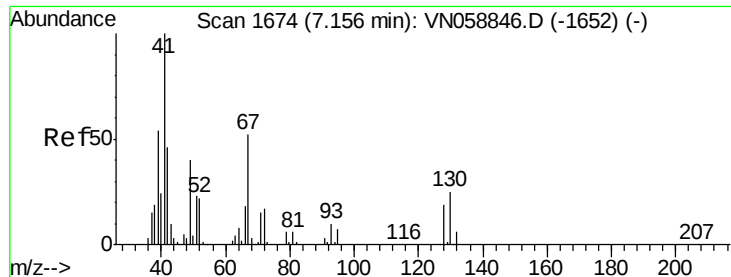
Tot Ion: 83 Resp: 136359
Ion Ratio Lower Upper
83 100
55 82.5 65.5 98.3
98 43.2 35.7 53.5



#40
Benzene
Concen: 20.397 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 78 Resp: 375181
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

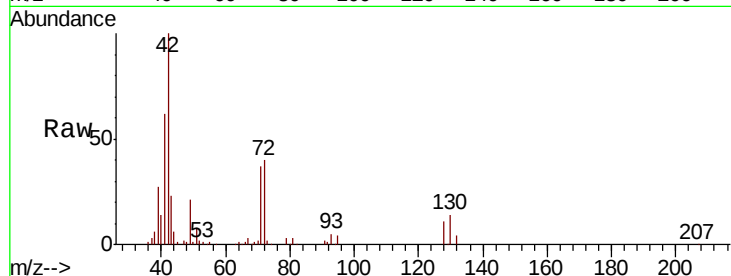




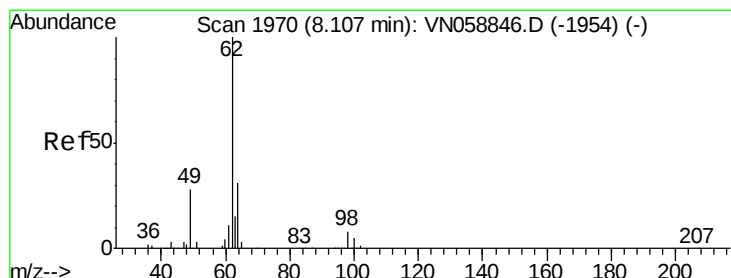
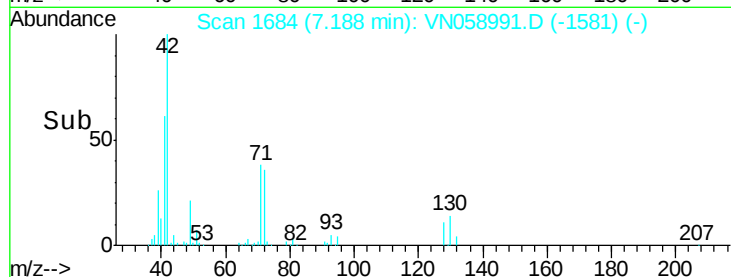
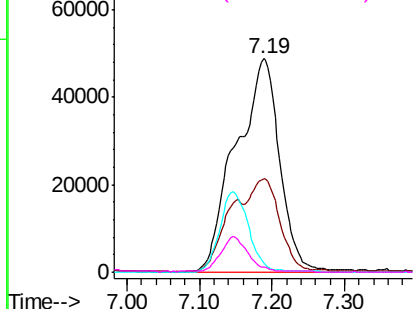
#41
Methacrylonitrile
Concen: 67.380 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	204823
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

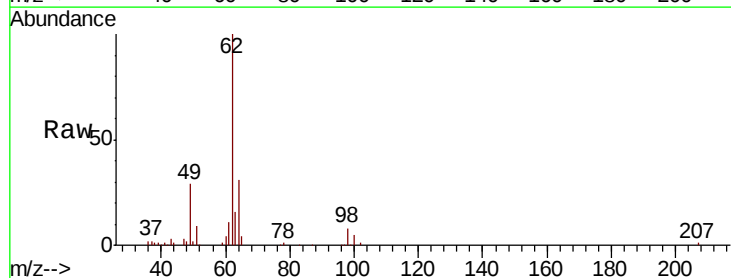


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

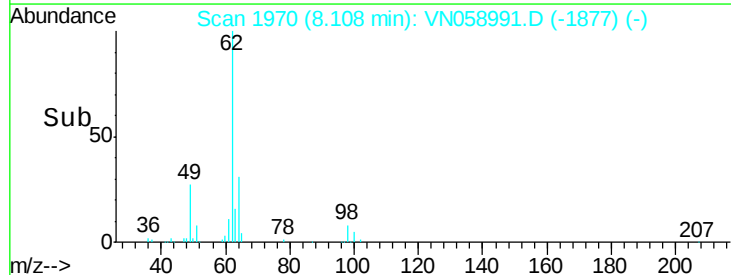
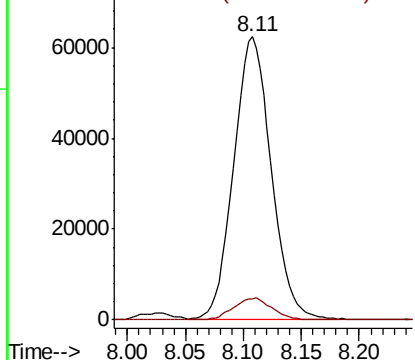


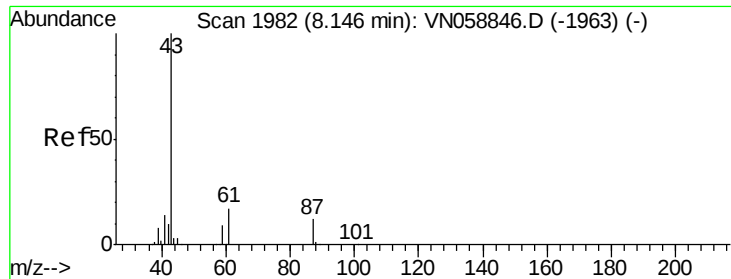
#42
1,2-Dichloroethane
Concen: 19.681 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion:	62	Resp:	139450
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2



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

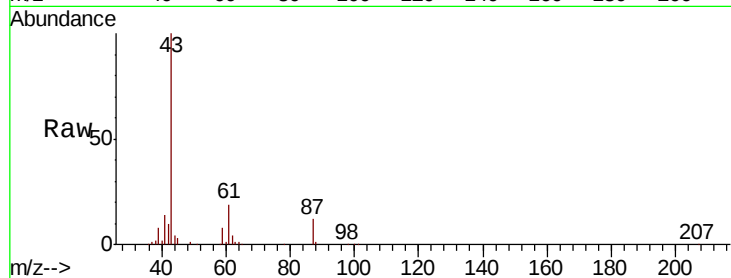




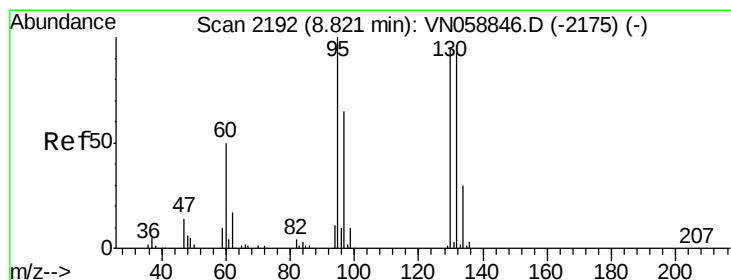
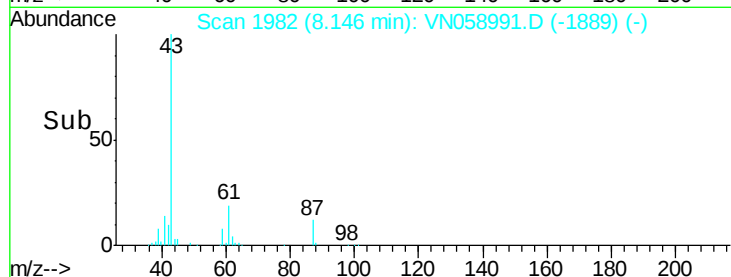
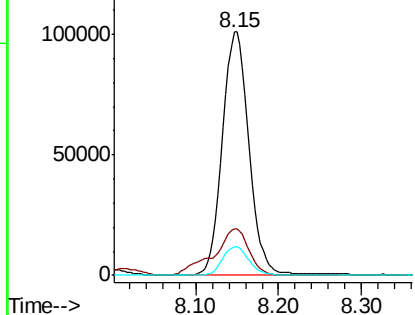
#43
Isopropyl Acetate
Concen: 20.495 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 224340
Ion Ratio Lower Upper
43 100
61 25.5 20.2 30.2
87 11.8 9.5 14.3

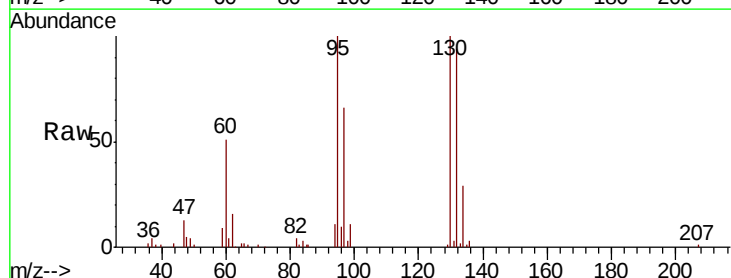


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

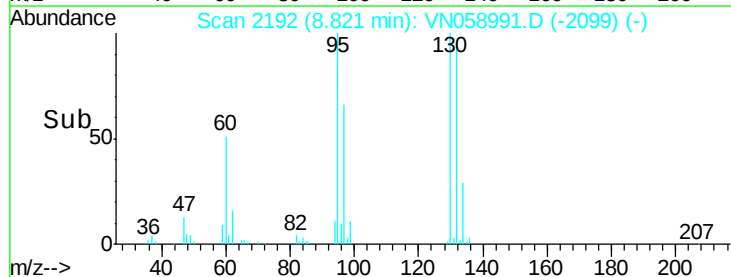
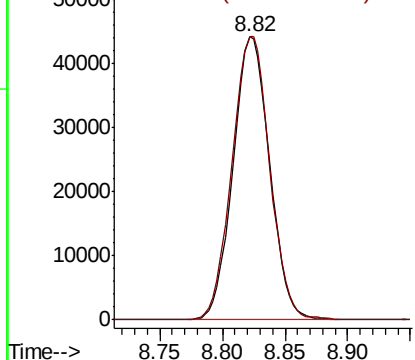


#44
Trichloroethene
Concen: 20.009 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion:130 Resp: 89656
Ion Ratio Lower Upper
130 100
95 100.1 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.715 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

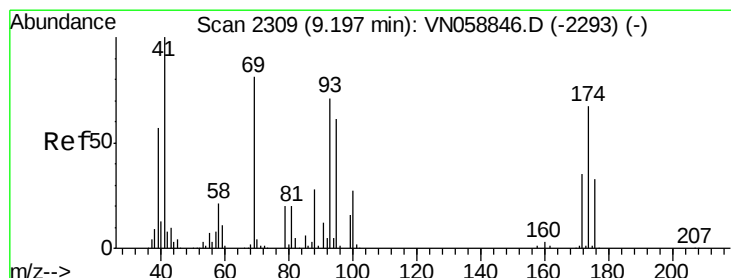
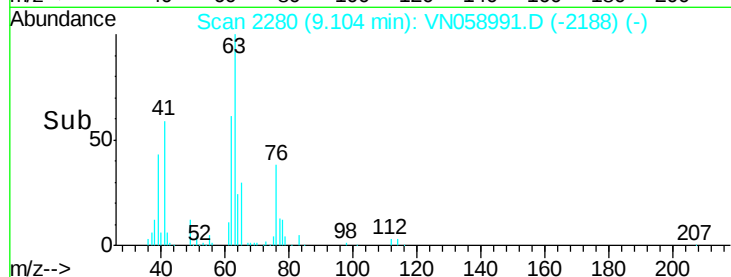
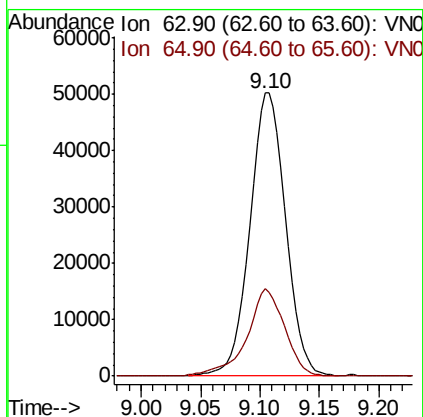
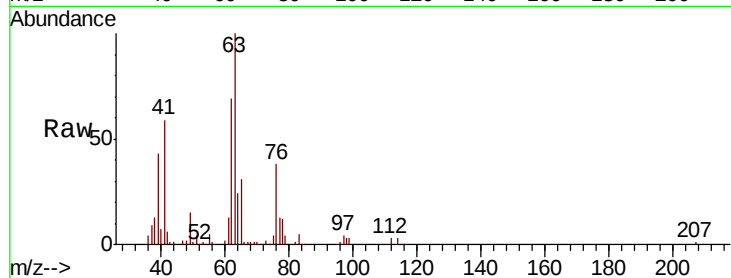
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 104482

Ion Ratio Lower Upper

63 100

65 30.8 24.5 36.7



#46

Dibromomethane

Concen: 20.055 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

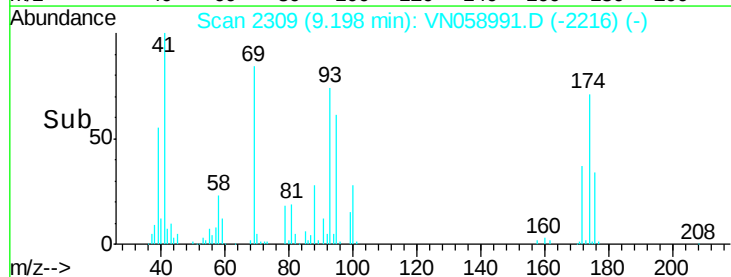
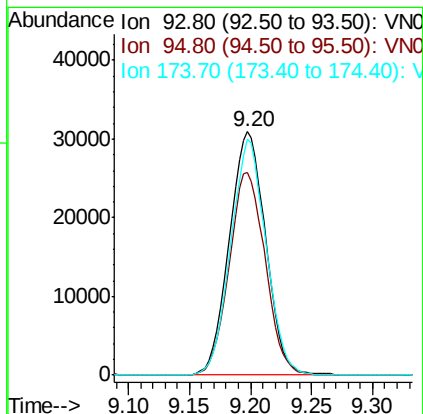
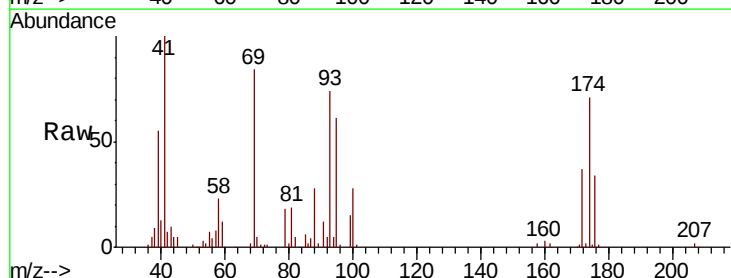
Tgt Ion: 93 Resp: 63949

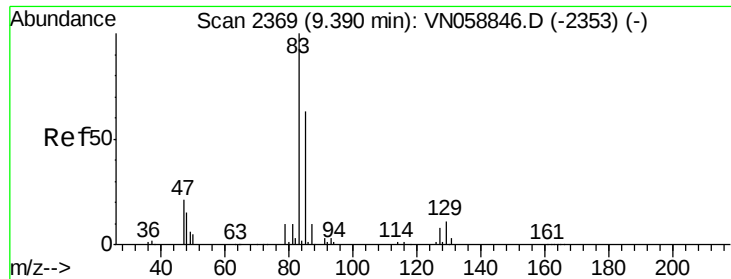
Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

174 93.8 74.1 111.1

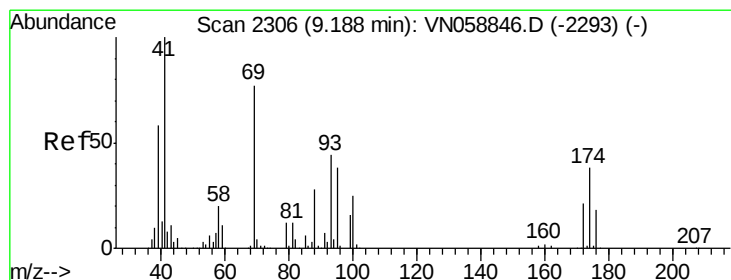
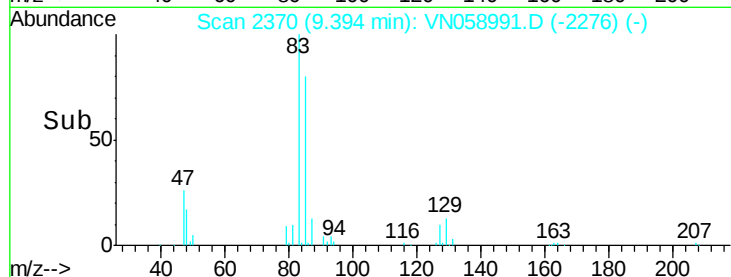
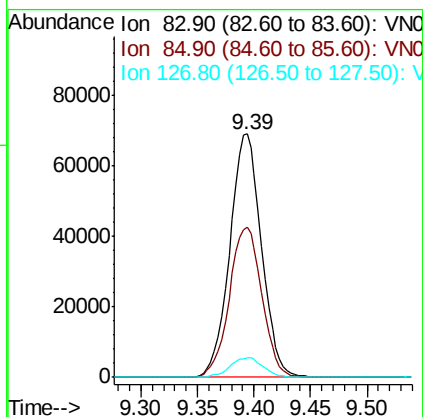
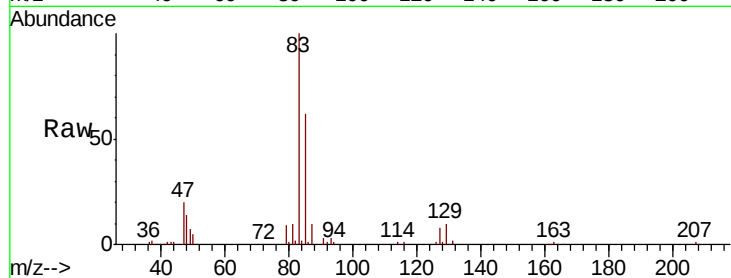




#47
Bromodichloromethane
Concen: 20.452 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

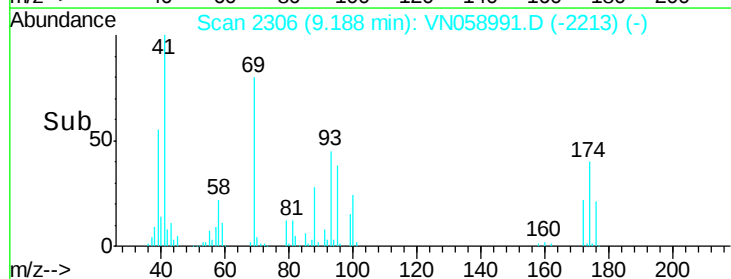
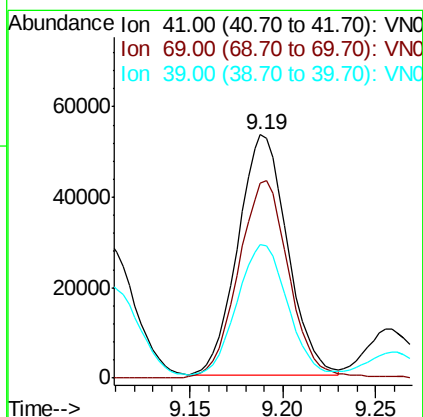
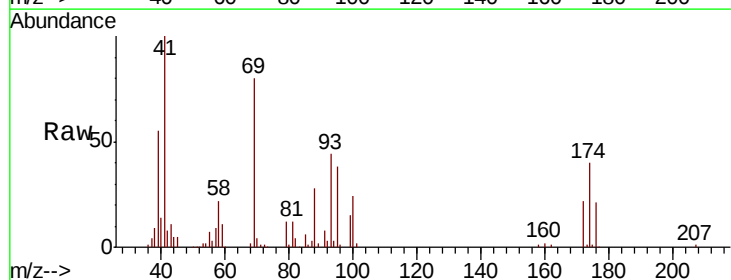
Instrument :
MSVOA_N
ClientSampled :

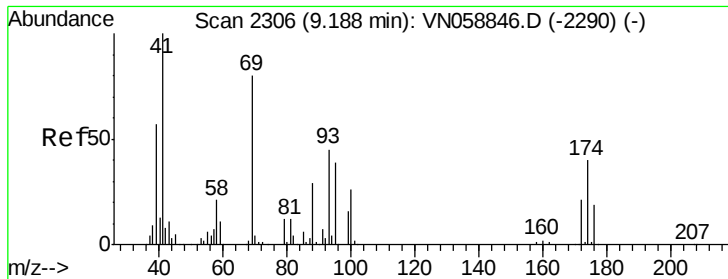
Tot Ion: 83 Resp: 134407
Ion Ratio Lower Upper
83 100
85 61.5 50.6 75.8
127 8.0 6.5 9.7



#48
Methyl methacrylate
Concen: 19.866 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 41 Resp: 98660
Ion Ratio Lower Upper
41 100
69 84.2 63.8 95.6
39 56.9 47.8 71.8

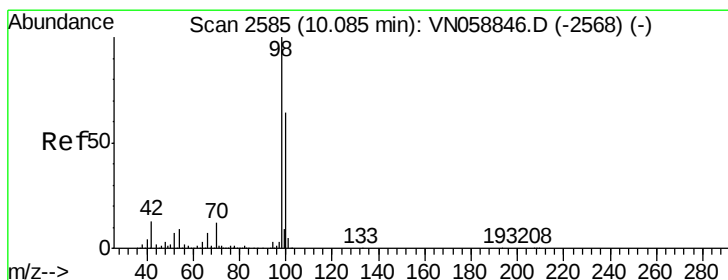
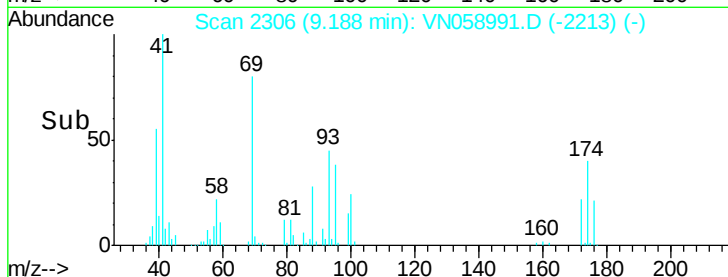
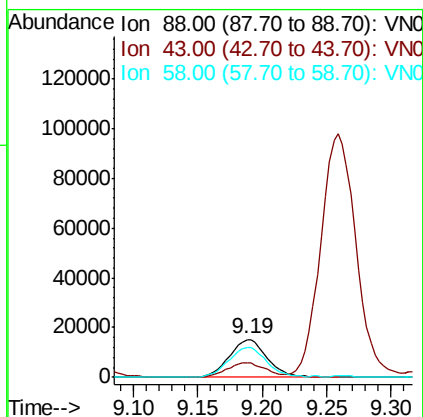
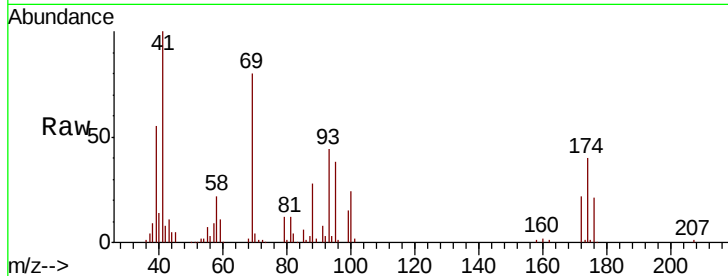




#49
 1,4-Dioxane
 Concen: 379.108 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

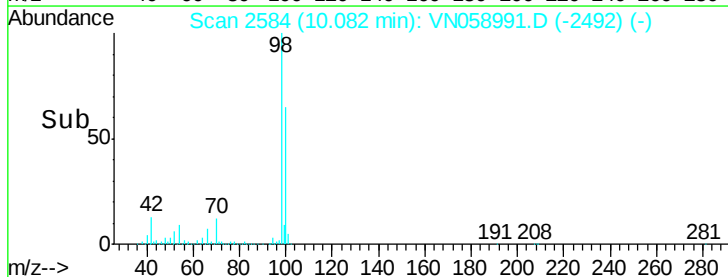
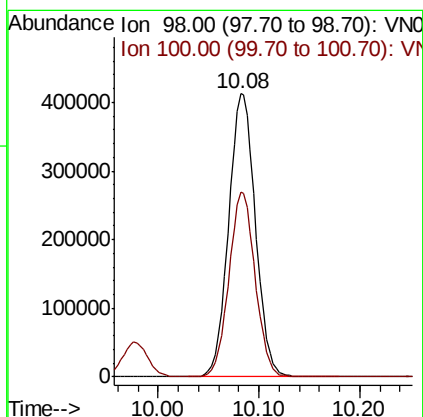
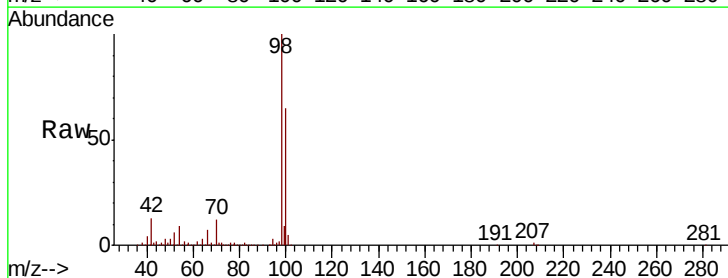
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 30907
 Ion Ratio Lower Upper
 88 100
 43 41.1 29.1 43.7
 58 79.7 59.4 89.0



#50
 Toluene-d8
 Concen: 48.779 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion: 98 Resp: 761697
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 110.424 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

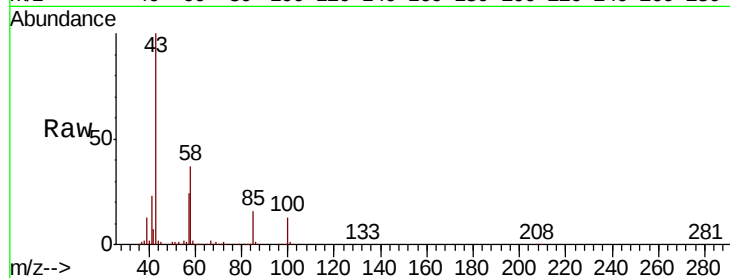
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 706010

Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

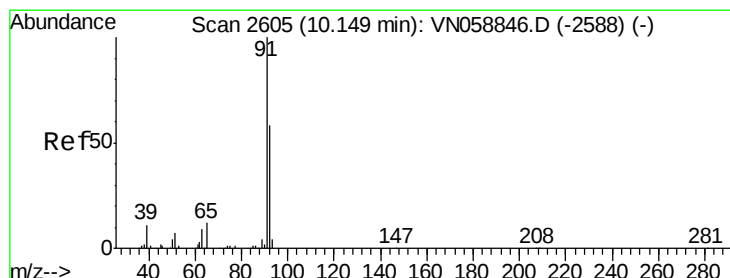
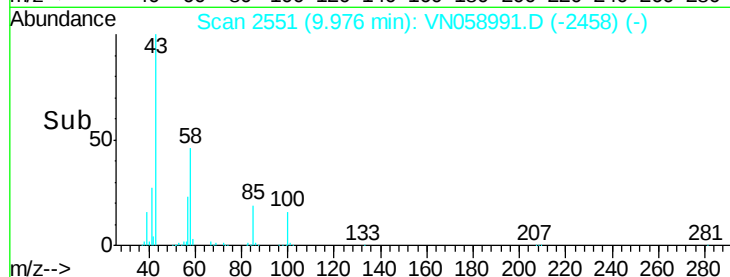
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.459 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058991.D

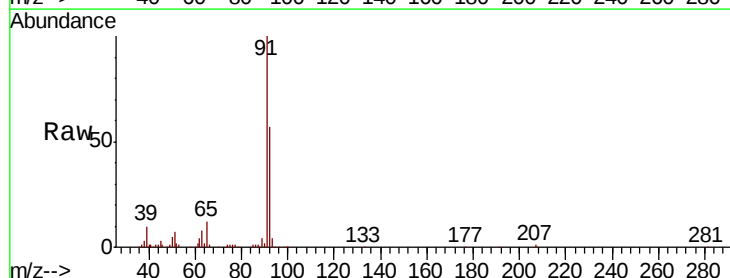
Acq: 28 Oct 2019 12:44

Tgt Ion: 92 Resp: 223161

Ion Ratio Lower Upper

92 100

91 176.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

250000

200000

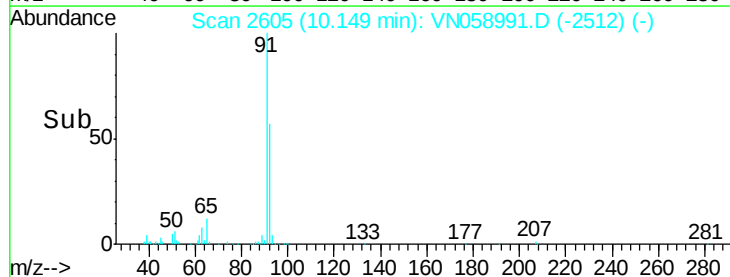
150000

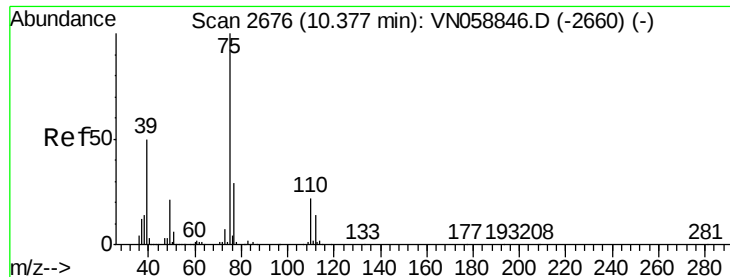
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.925 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

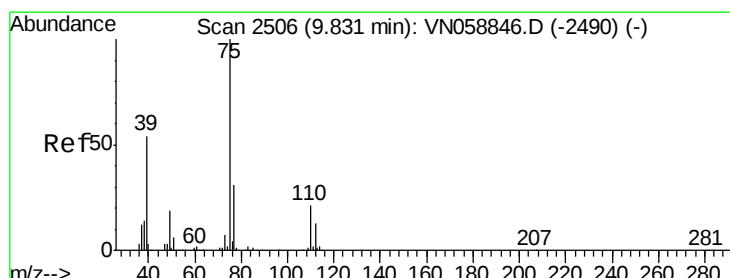
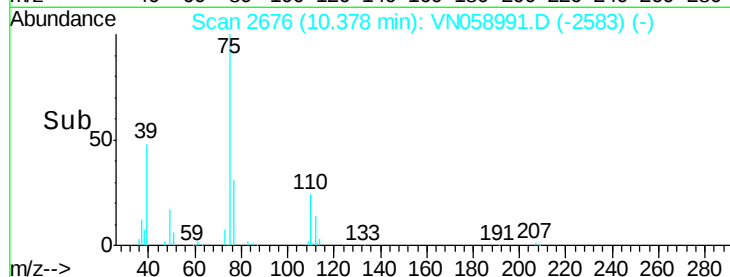
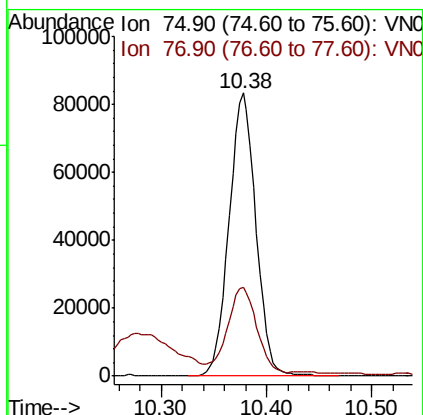
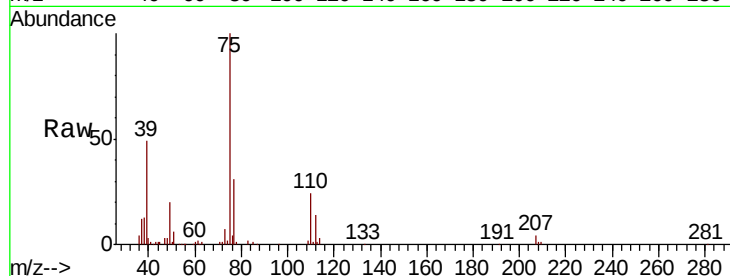
ClientSampleId :

Tot Ion: 75 Resp: 144962

Ion Ratio Lower Upper

75 100

77 30.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.368 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

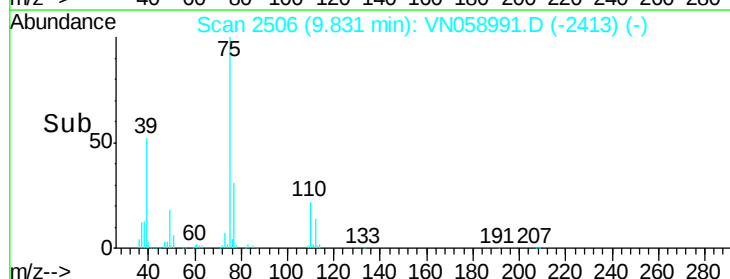
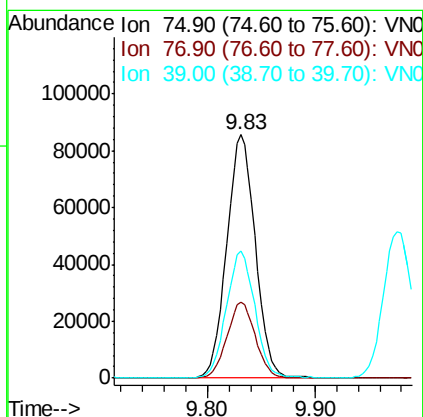
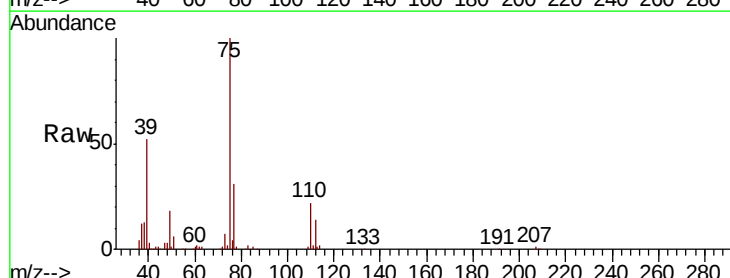
Tgt Ion: 75 Resp: 158310

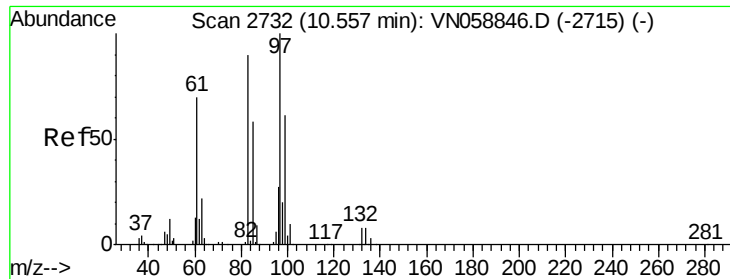
Ion Ratio Lower Upper

75 100

77 31.1 24.7 37.1

39 51.8 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 20.574 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 92450

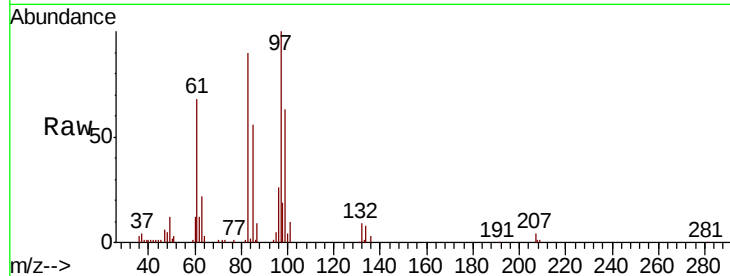
Ion Ratio Lower Upper

97 100

83 89.6 72.2 108.4

85 56.3 46.2 69.2

99 63.5 48.7 73.1

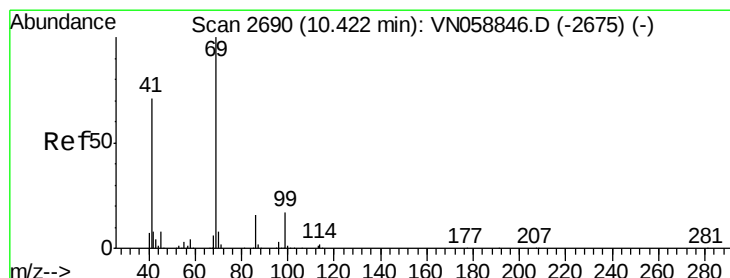
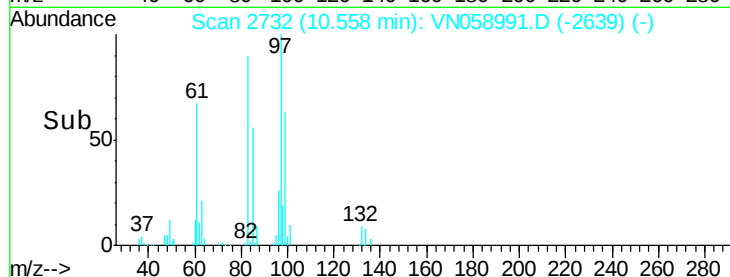
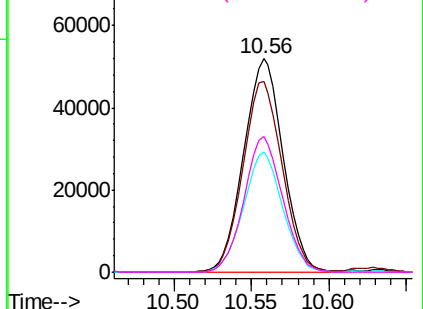


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.493 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

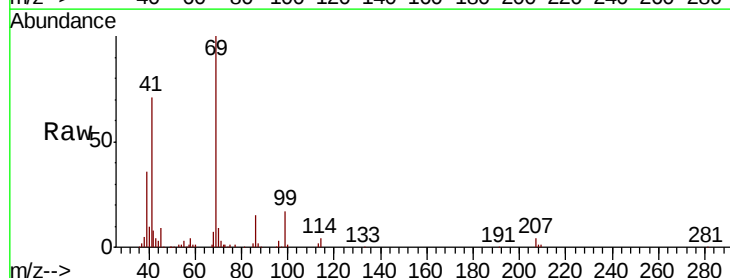
Tgt Ion: 69 Resp: 137053

Ion Ratio Lower Upper

69 100

41 69.8 57.2 85.8

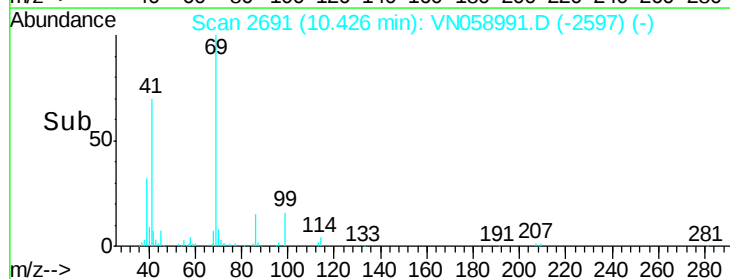
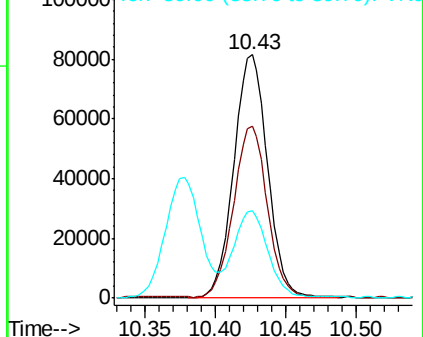
39 35.8 31.0 46.4

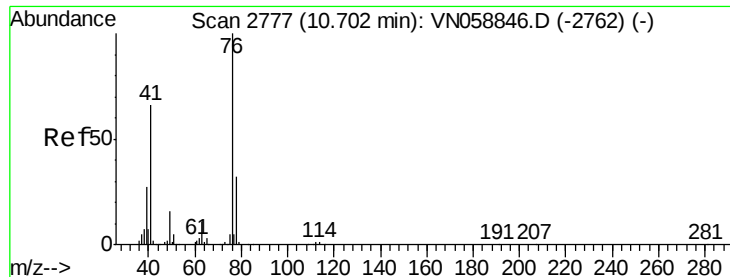


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.310 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

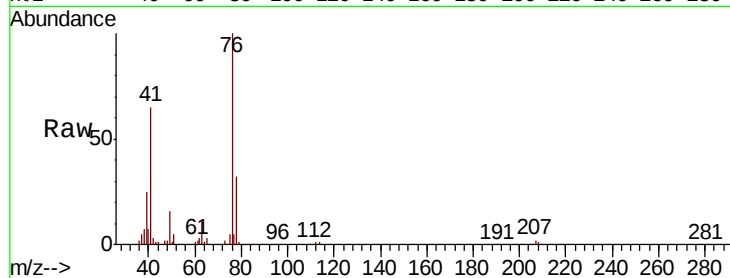
ClientSampled :

Tot Ion: 76 Resp: 160176

Ion Ratio Lower Upper

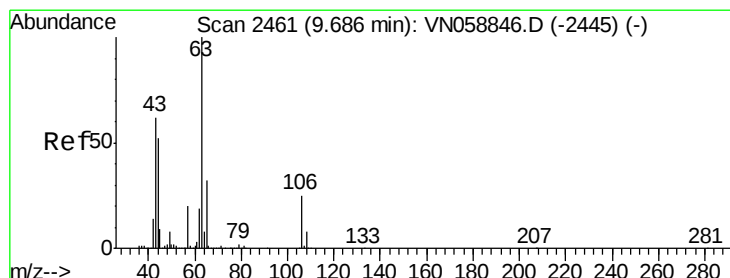
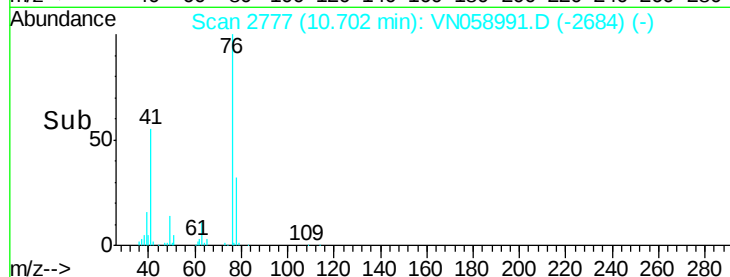
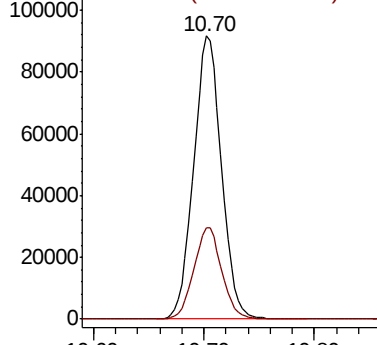
76 100

78 32.5 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.661 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058991.D

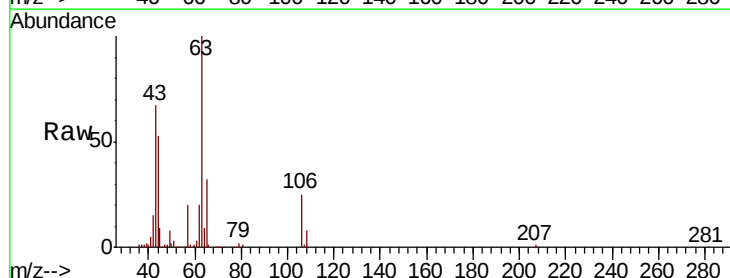
Acq: 28 Oct 2019 12:44

Tgt Ion: 63 Resp: 280459

Ion Ratio Lower Upper

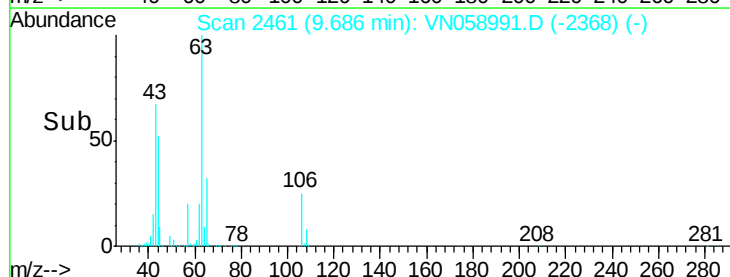
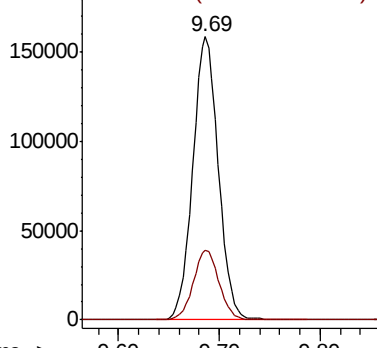
63 100

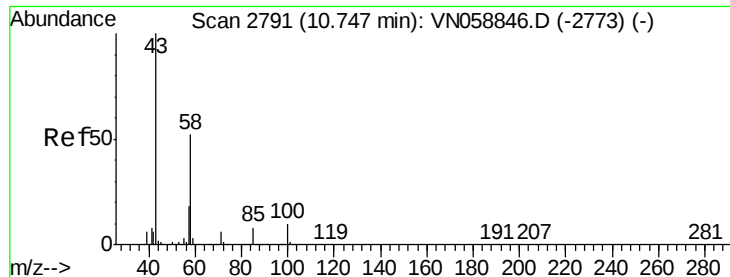
106 24.9 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

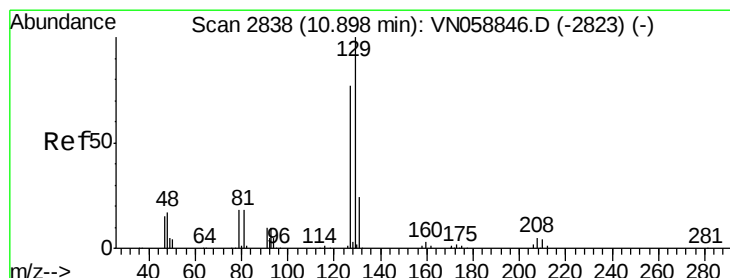
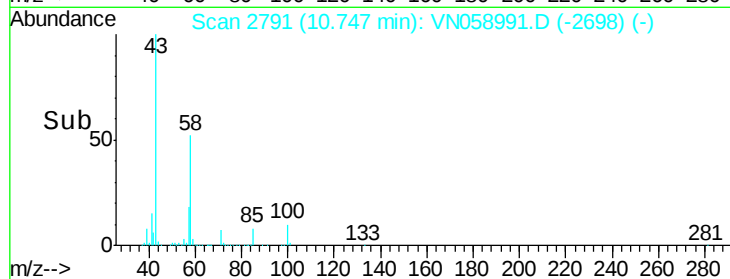
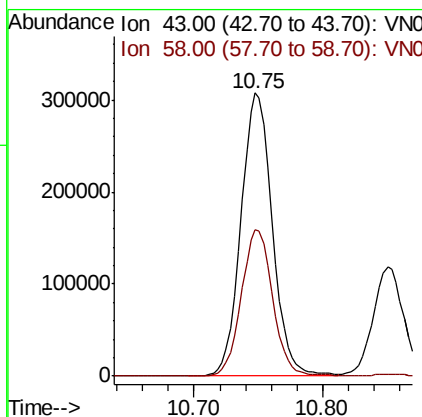
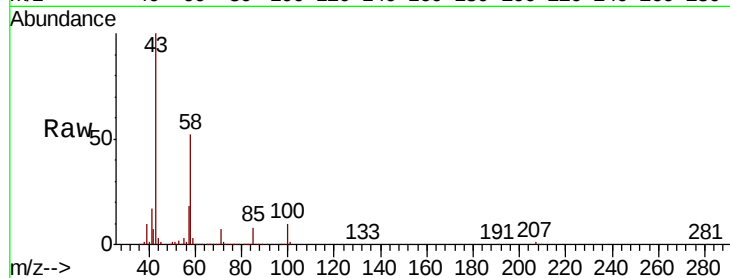




#59
2-Hexanone
Concen: 104.811 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

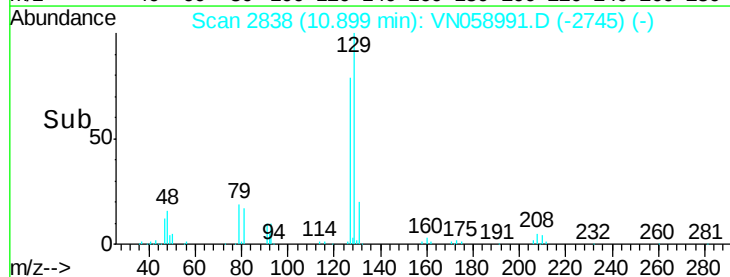
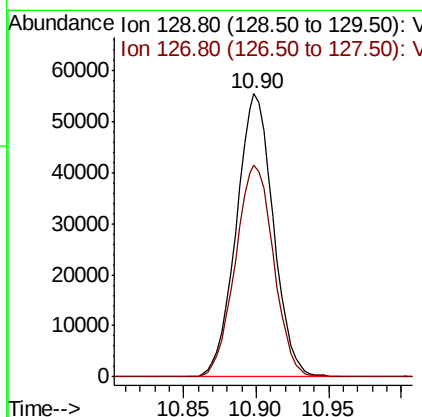
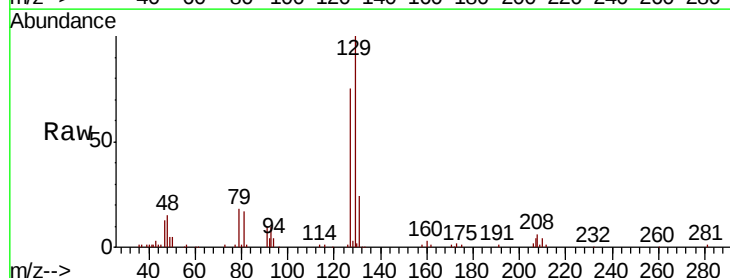
Instrument :
MSVOA_N
ClientSampleId :

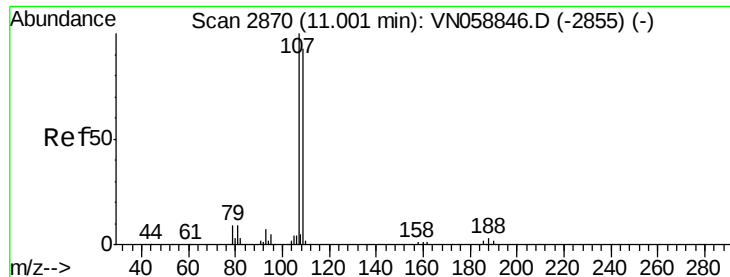
Tot Ion: 43 Resp: 517823
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7



#60
Dibromochloromethane
Concen: 20.261 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 129 Resp: 97994
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.207 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

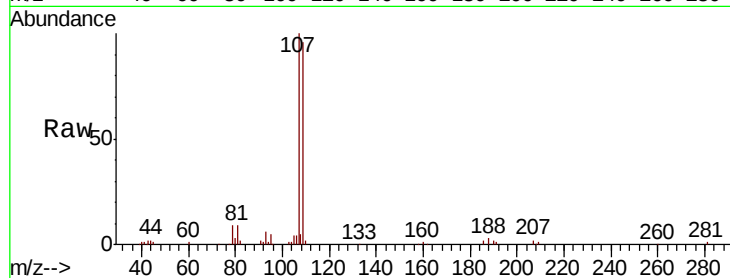
ClientSampleId :

Tot Ion:107 Resp: 92925

Ion Ratio Lower Upper

107 100

109 93.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

30000

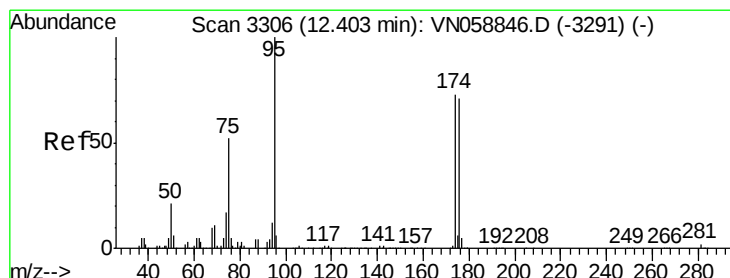
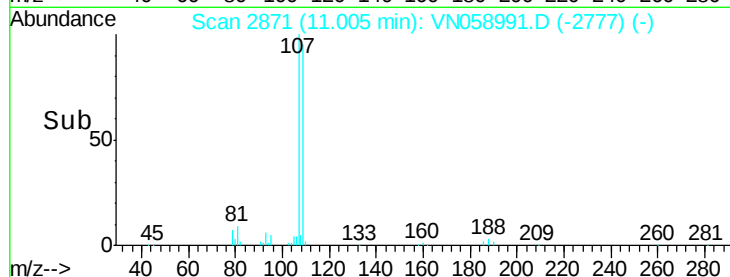
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 48.015 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

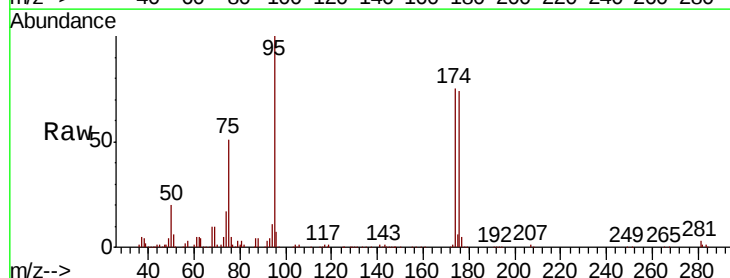
Tgt Ion: 95 Resp: 275334

Ion Ratio Lower Upper

95 100

174 76.3 0.0 147.6

176 74.4 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

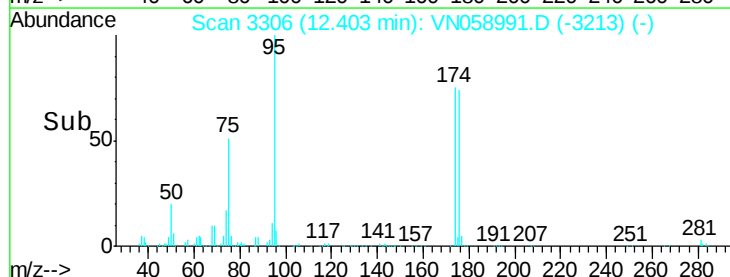
100000

50000

0

Time-->

12.35 12.40 12.45 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

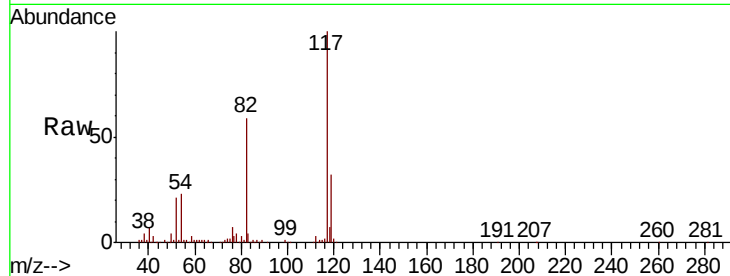
Tot Ion:117 Resp: 558481

Ion Ratio Lower Upper

117 100

82 59.1 46.6 69.8

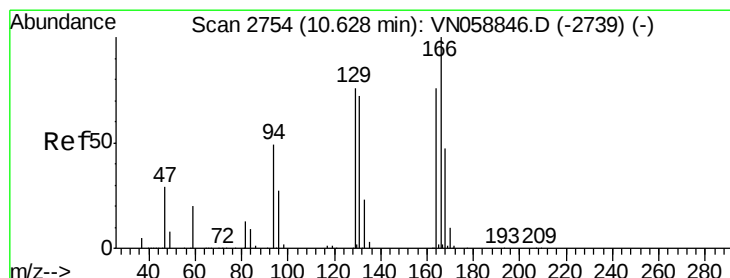
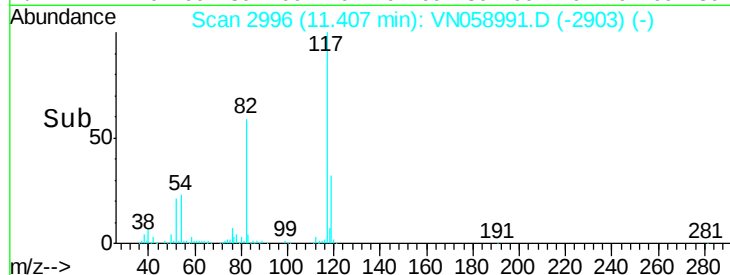
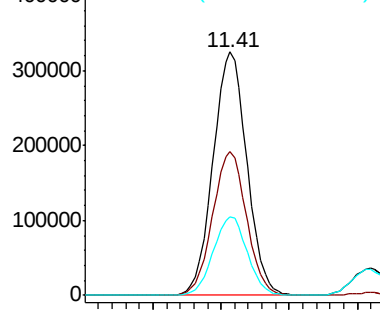
119 32.5 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.179 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:164 Resp: 78924

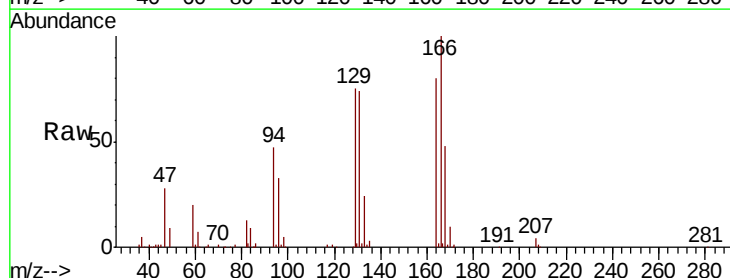
Ion Ratio Lower Upper

164 100

166 125.2 104.8 157.2

129 93.7 79.3 118.9

131 92.4 75.8 113.6

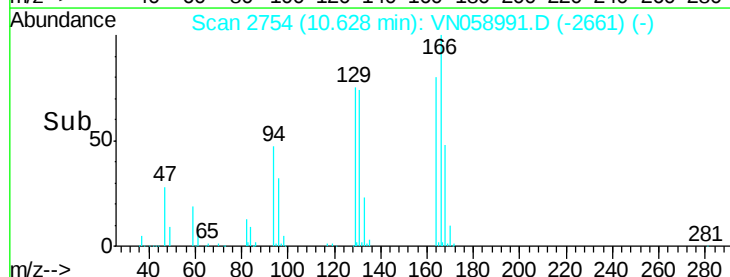
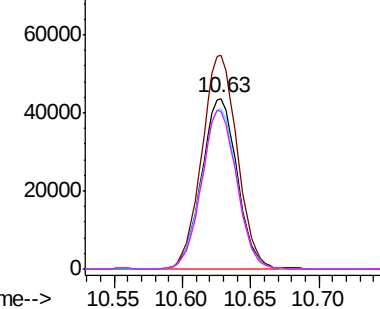


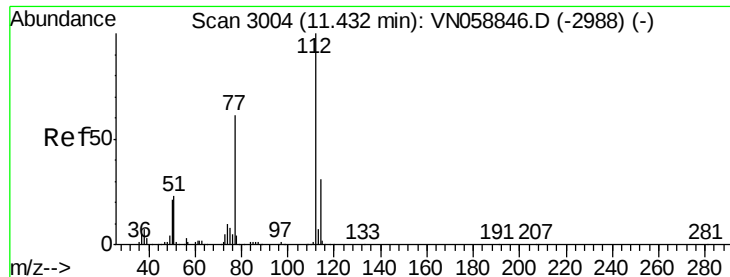
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.814 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

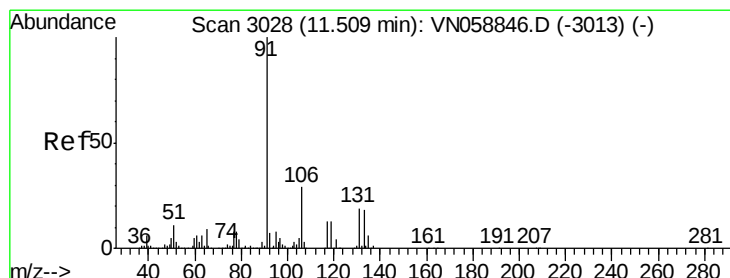
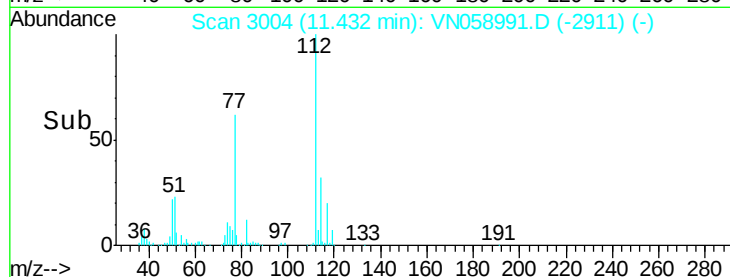
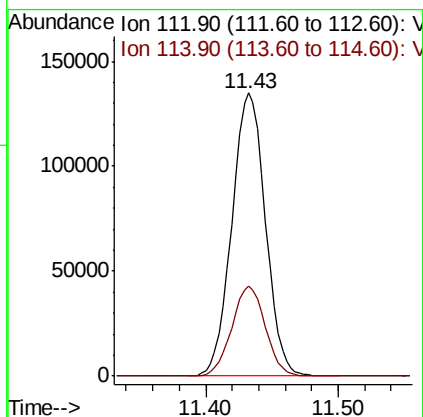
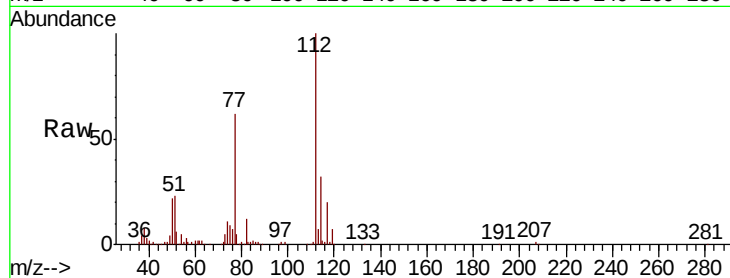
ClientSampled :

Tot Ion:112 Resp: 236650

Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 20.693 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

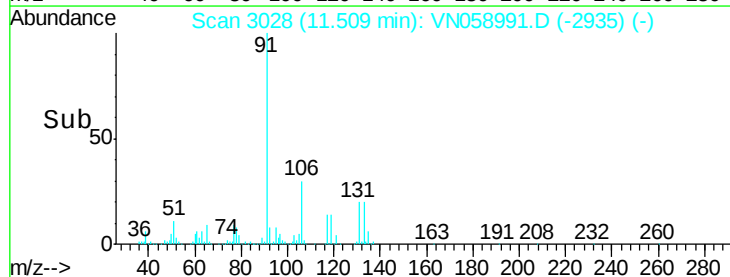
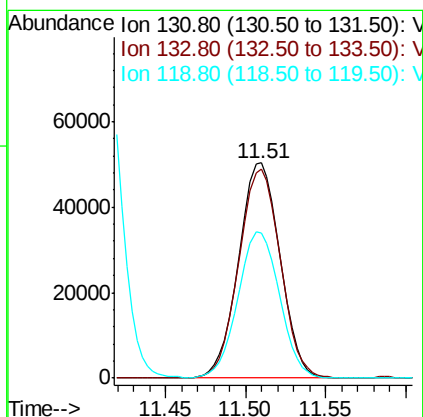
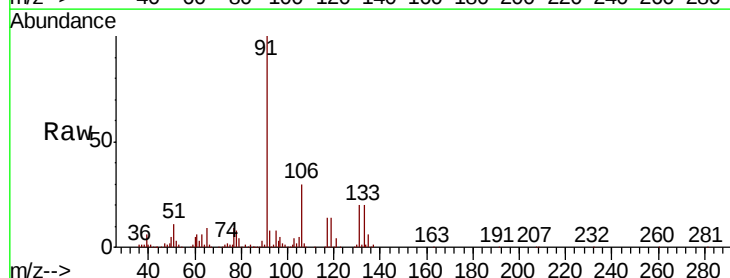
Tgt Ion:131 Resp: 88784

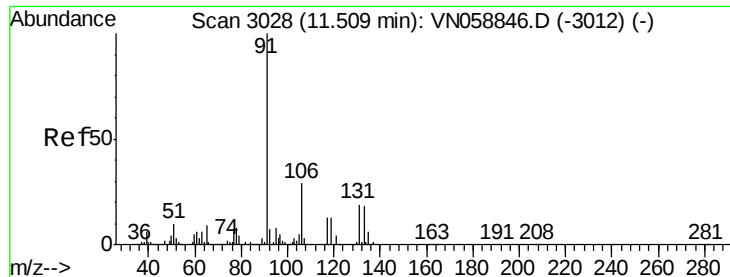
Ion Ratio Lower Upper

131 100

133 98.0 48.4 145.2

119 68.3 33.6 100.8





#67

Ethyl Benzene

Concen: 21.300 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

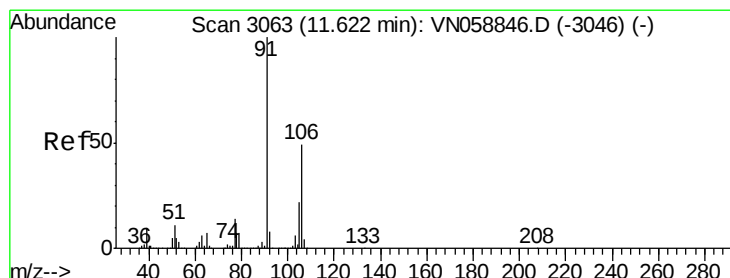
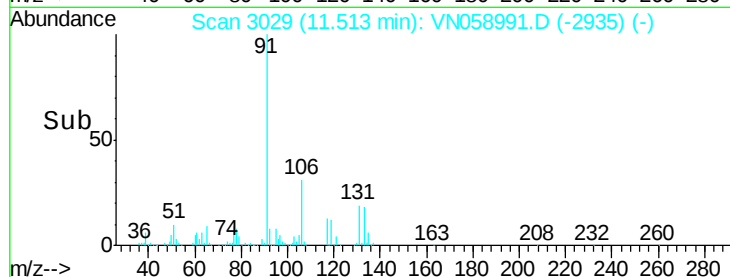
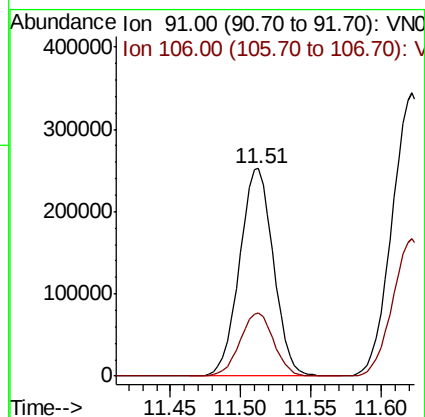
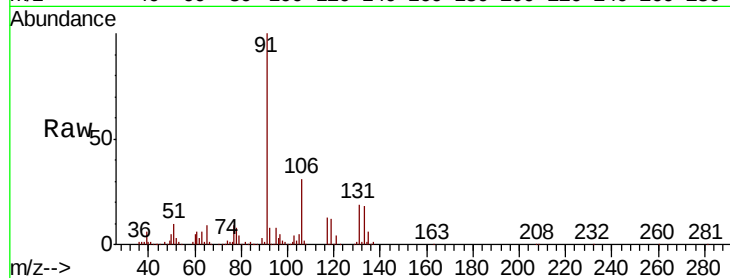
ClientSampleId :

Tot Ion: 91 Resp: 424839

Ion Ratio Lower Upper

91 100

106 30.6 23.4 35.0



#68

m/p-Xylenes

Concen: 42.489 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058991.D

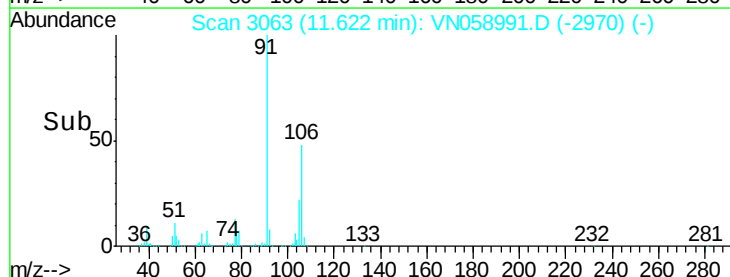
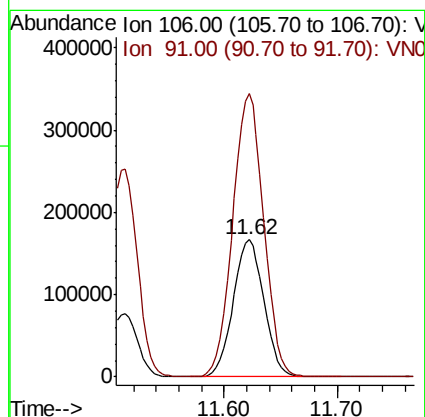
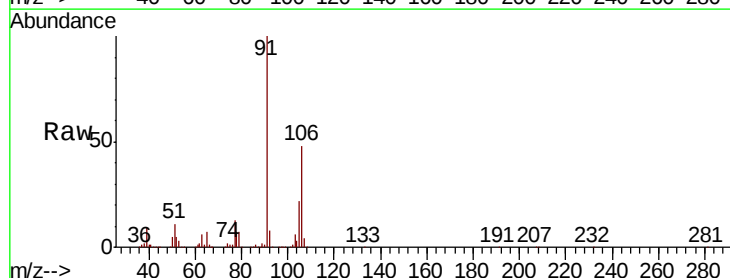
Acq: 28 Oct 2019 12:44

Tgt Ion: 106 Resp: 314279

Ion Ratio Lower Upper

106 100

91 207.6 166.6 249.8

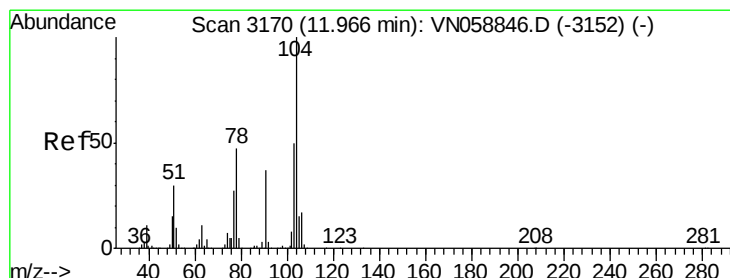
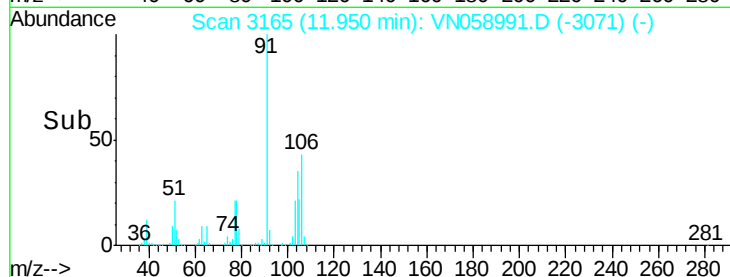
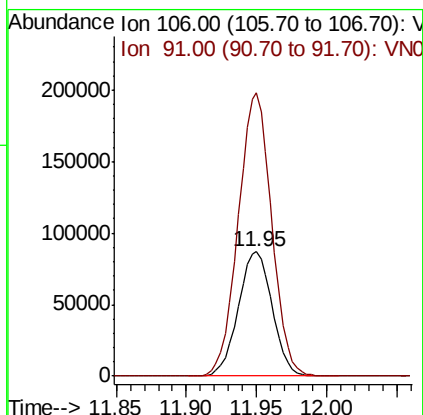
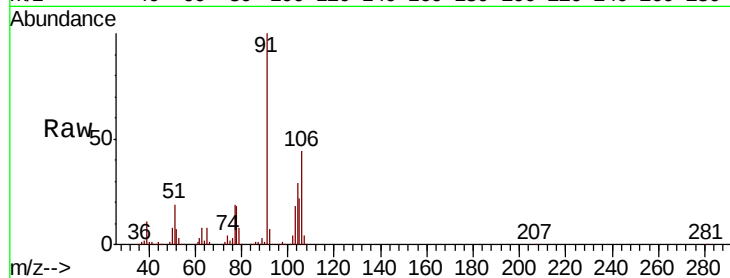




#69
o-Xylene
Concen: 20.774 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

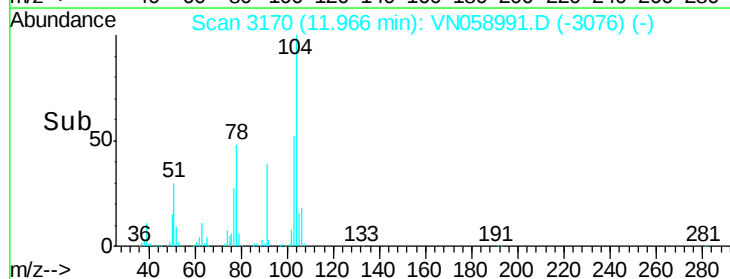
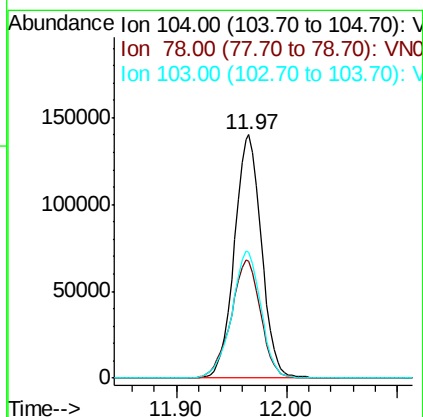
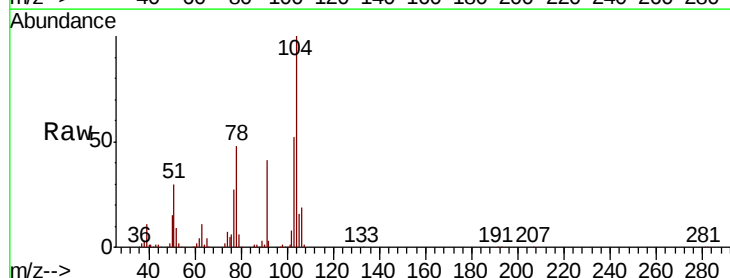
Instrument :
MSVOA_N
ClientSampled :

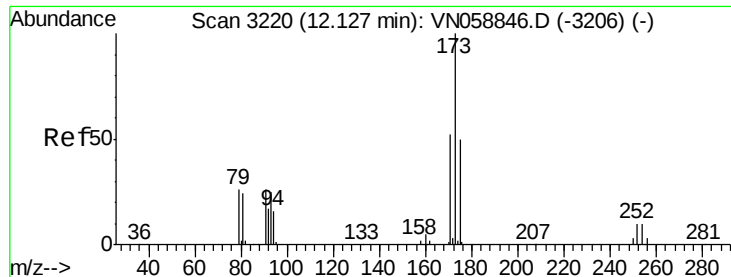
Tot Ion:106 Resp: 146549
Ion Ratio Lower Upper
106 100
91 223.9 111.5 334.4



#70
Styrene
Concen: 19.408 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion:104 Resp: 238584
Ion Ratio Lower Upper
104 100
78 53.5 42.8 64.2
103 56.0 44.3 66.5





#71

Bromoform

Concen: 20.639 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

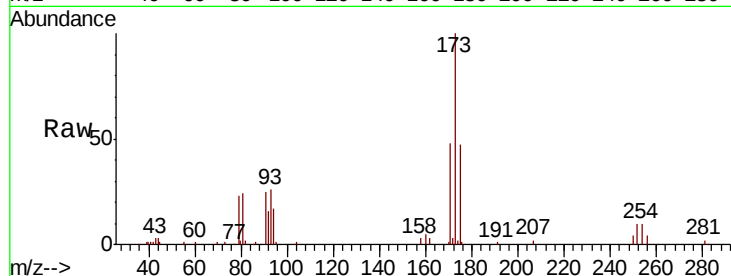
Tot Ion:173 Resp: 68668

Ion Ratio Lower Upper

173 100

175 47.8 24.7 74.1

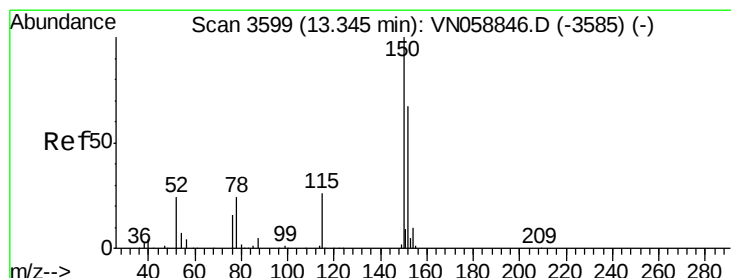
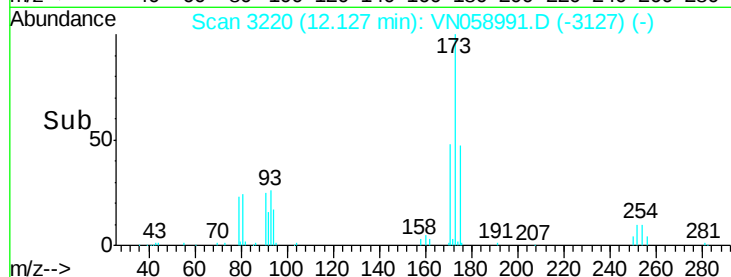
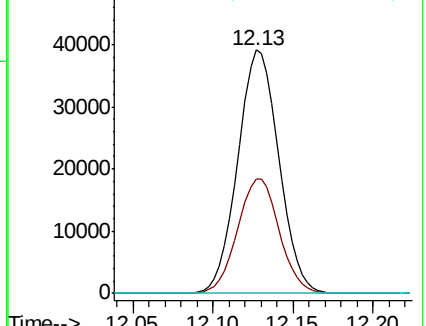
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

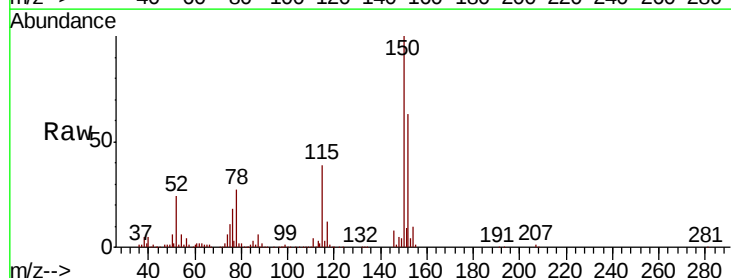
Tgt Ion:152 Resp: 256853

Ion Ratio Lower Upper

152 100

115 61.4 30.5 91.5

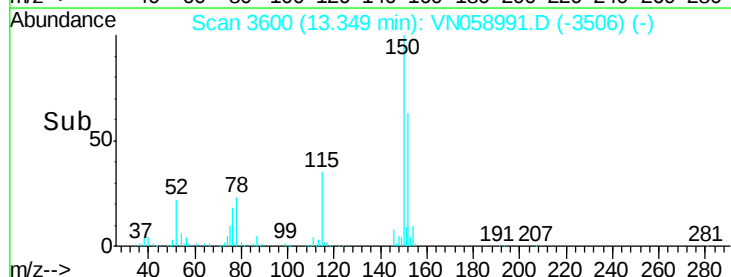
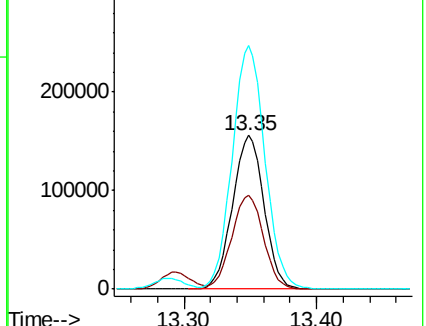
150 164.4 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.623 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

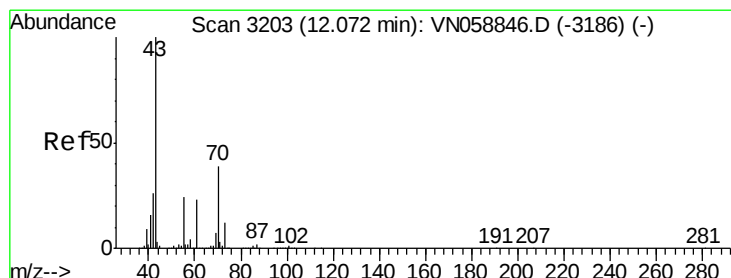
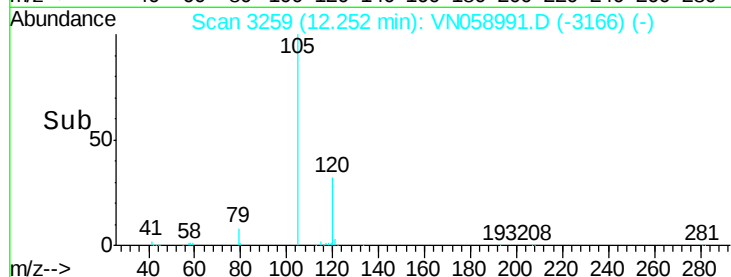
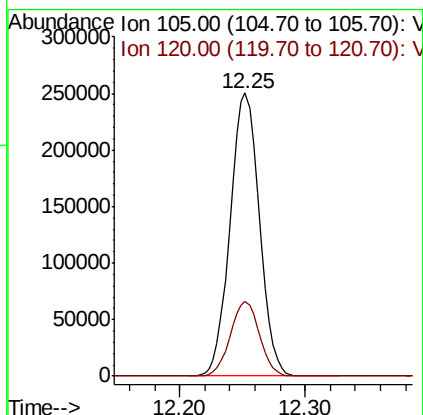
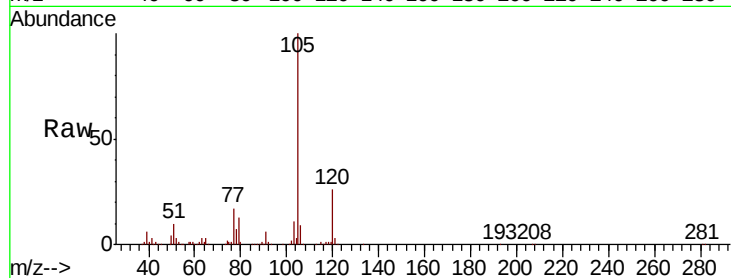
ClientSampled :

Tot Ion:105 Resp: 405888

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 20.907 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion: 43 Resp: 177921

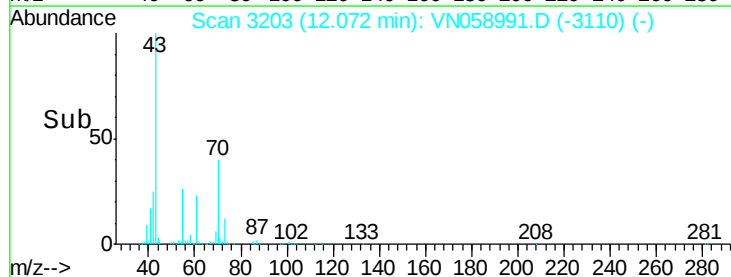
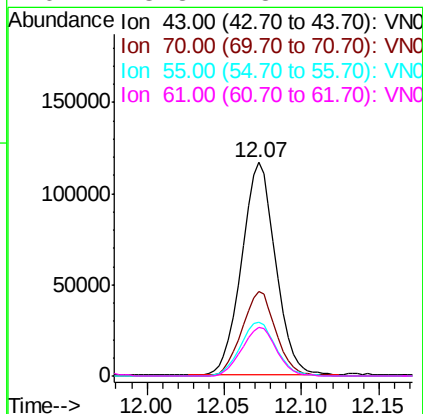
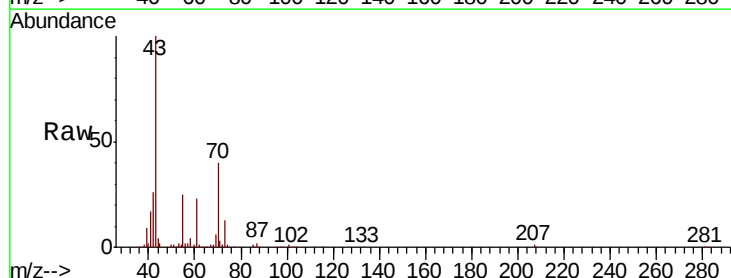
Ion Ratio Lower Upper

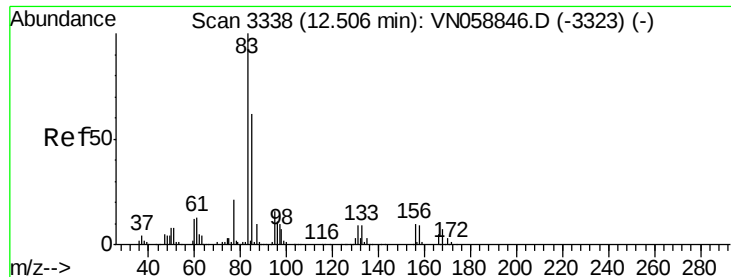
43 100

70 40.0 30.9 46.3

55 26.9 19.7 29.5

61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.413 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

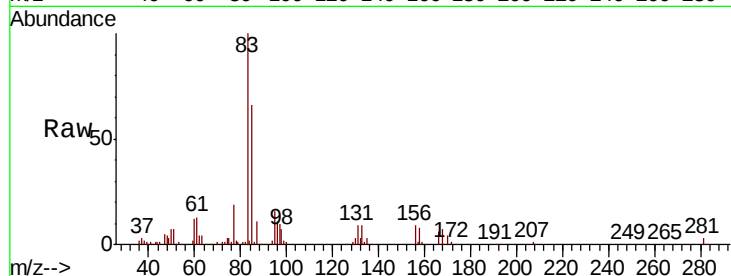
Tot Ion: 83 Resp: 141336

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.1

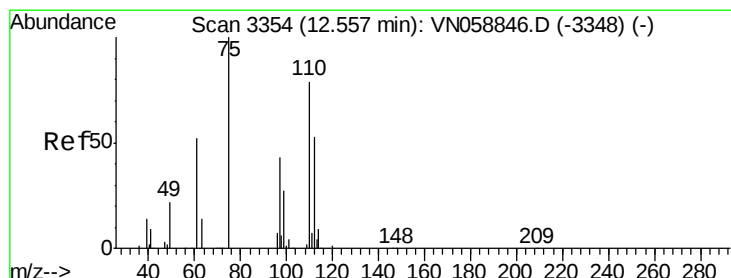
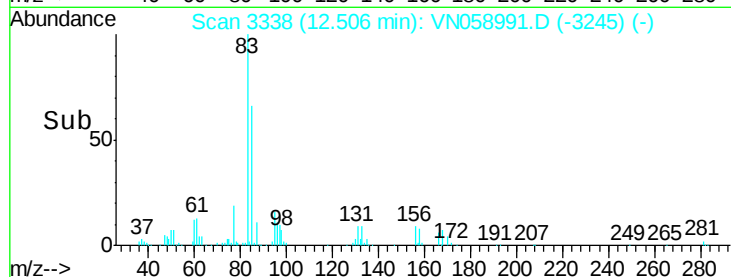
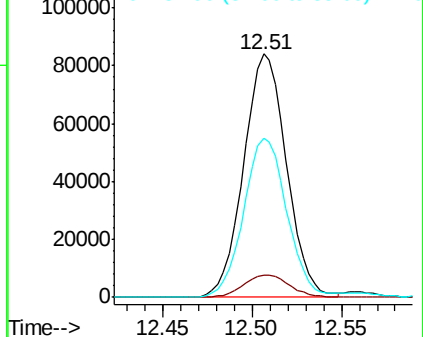
85 65.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.368 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058991.D

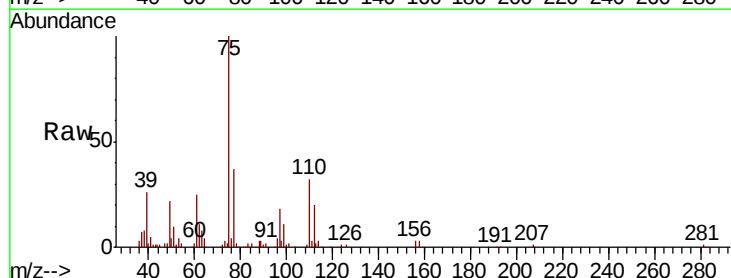
Acq: 28 Oct 2019 12:44

Tgt Ion: 75 Resp: 186731

Ion Ratio Lower Upper

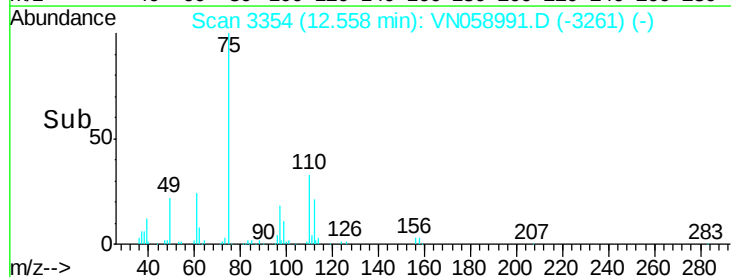
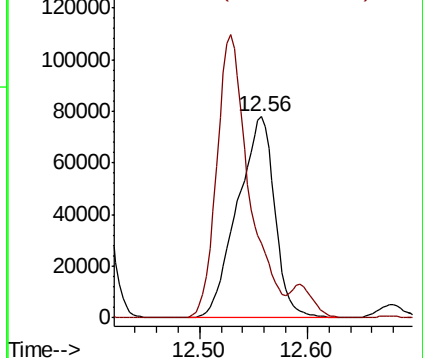
75 100

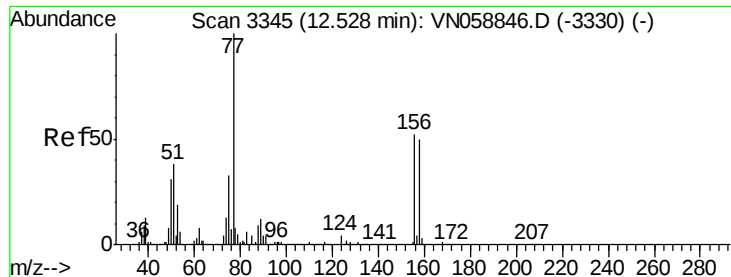
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.113 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

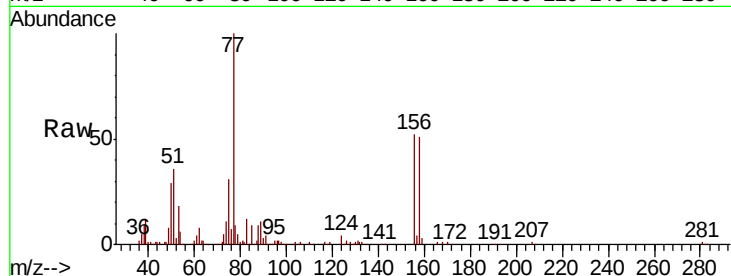
Tot Ion:156 Resp: 97684

Ion Ratio Lower Upper

156 100

77 234.4 118.0 354.0

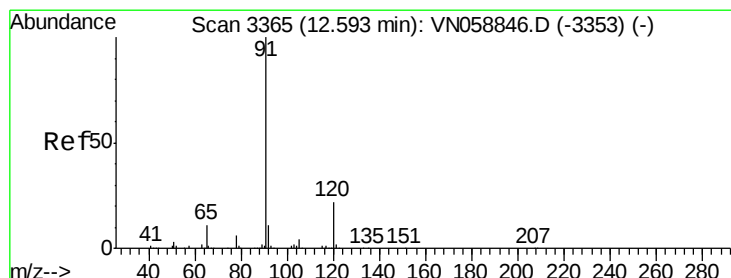
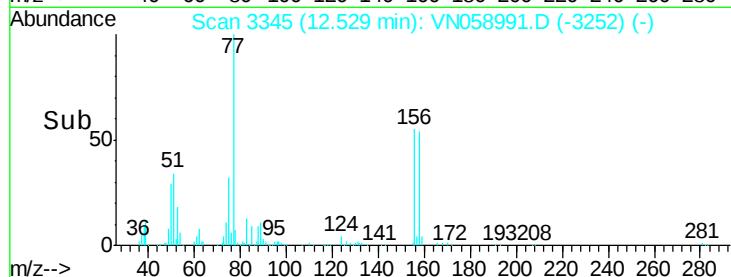
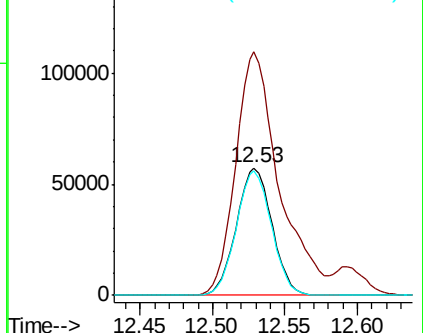
158 96.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.365 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058991.D

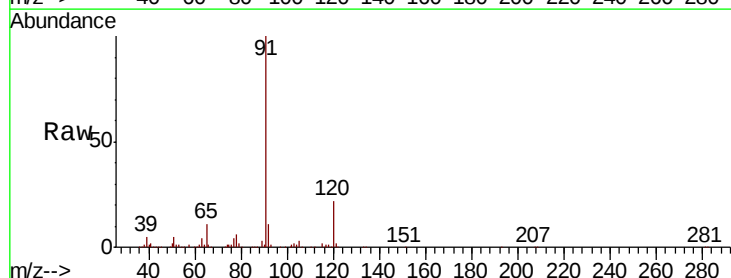
Acq: 28 Oct 2019 12:44

Tgt Ion: 91 Resp: 474056

Ion Ratio Lower Upper

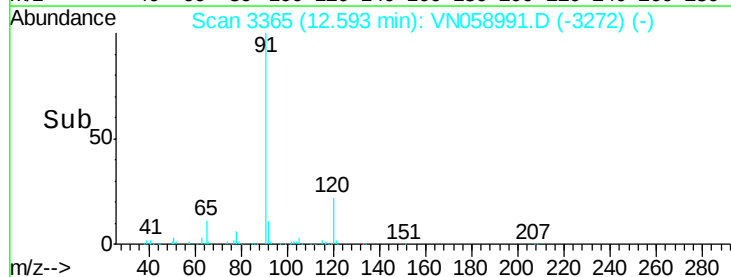
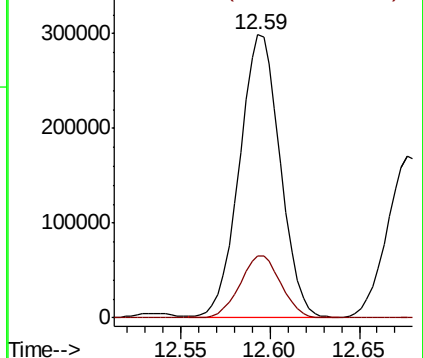
91 100

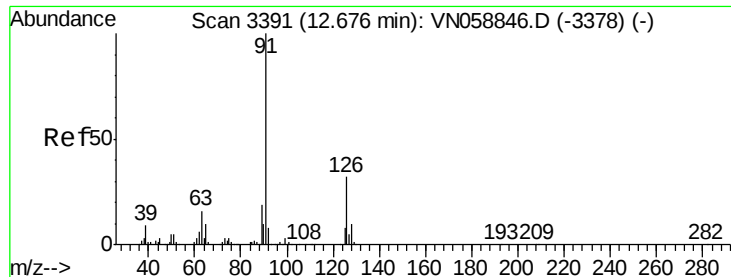
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.067 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

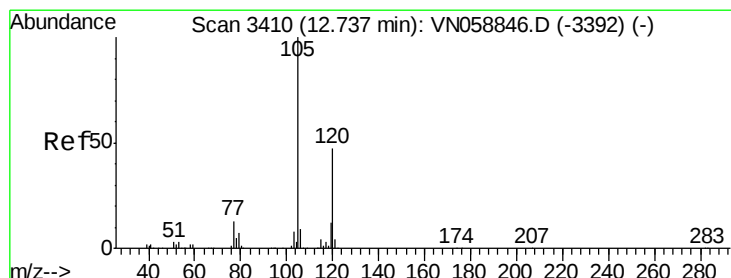
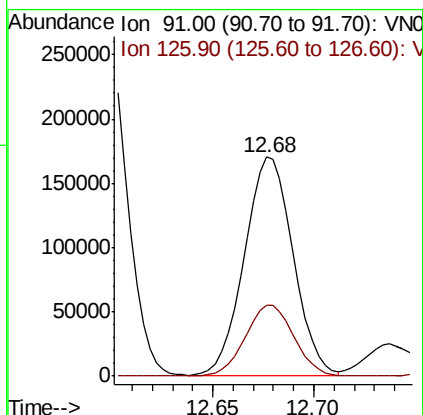
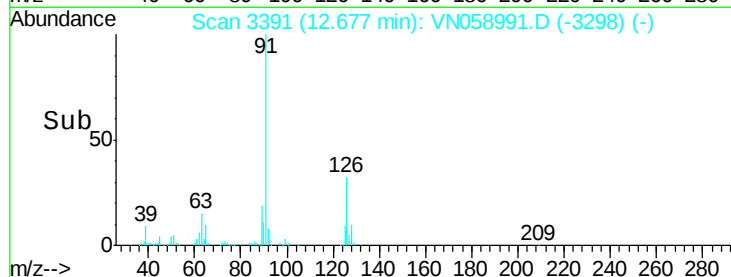
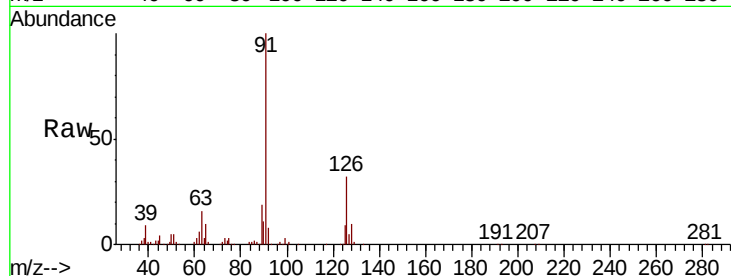
ClientSampleId :

Tot Ion: 91 Resp: 286094

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 21.602 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058991.D

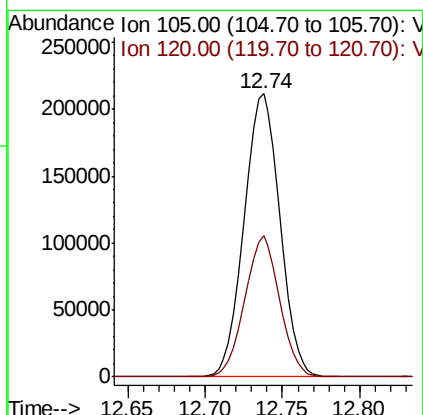
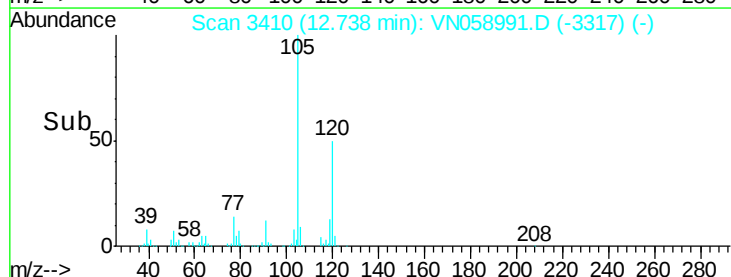
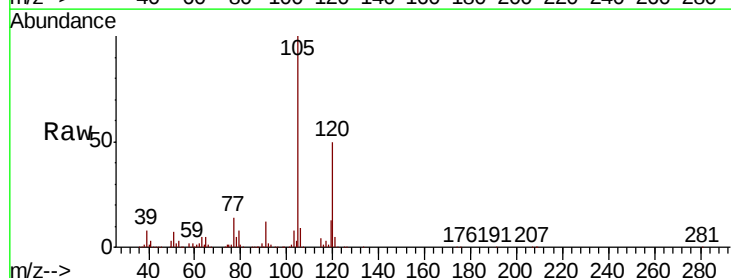
Acq: 28 Oct 2019 12:44

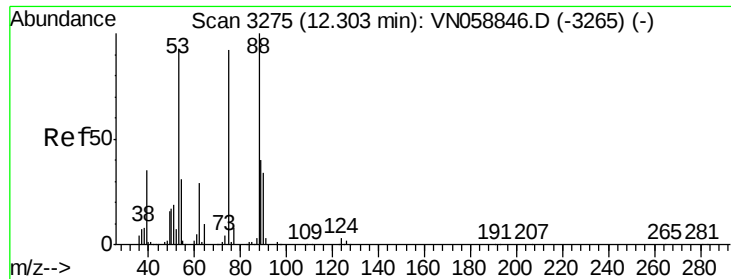
Tgt Ion: 105 Resp: 340694

Ion Ratio Lower Upper

105 100

120 48.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.109 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

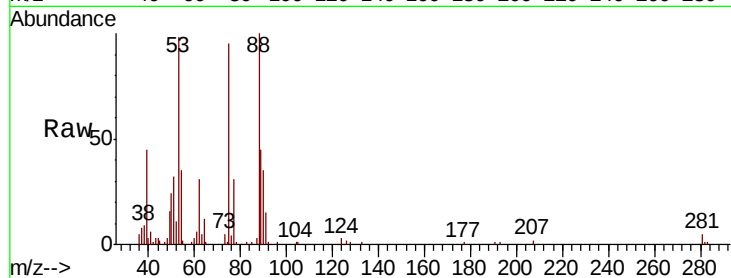
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 45950

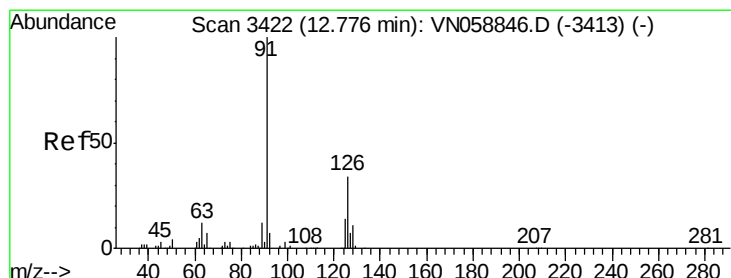
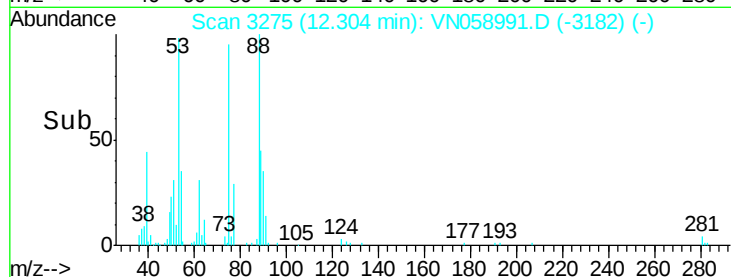
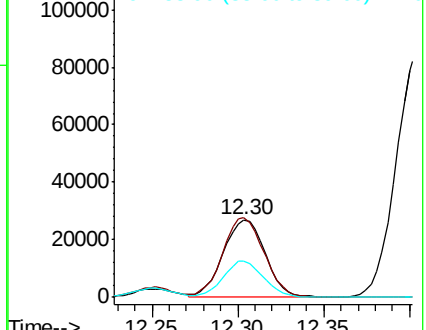
Ion	Ratio	Lower	Upper
75	100		
53	102.1	78.6	118.0
89	45.1	35.4	53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.047 ug/l

RT: 12.78 min Scan# 3422

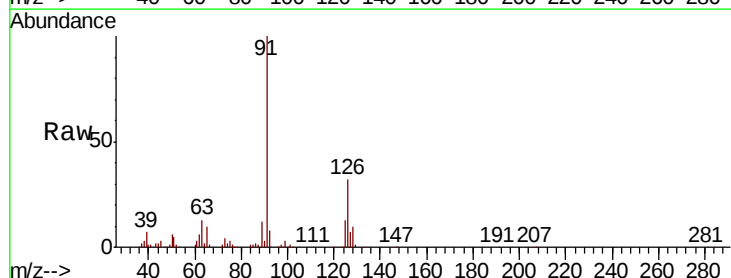
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

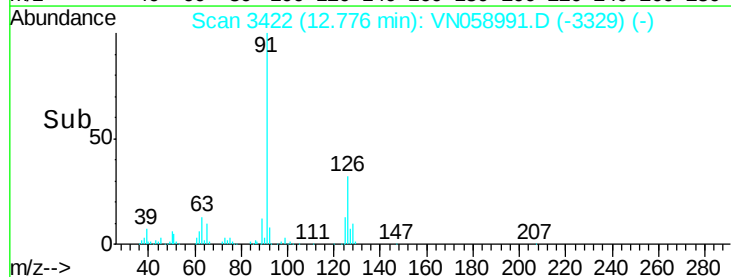
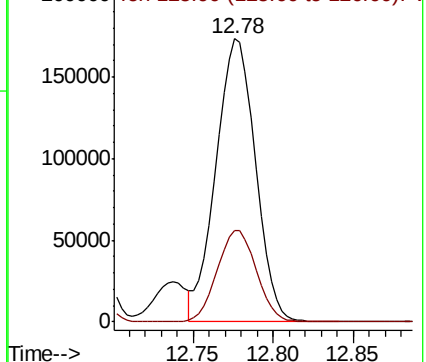
Tgt Ion: 91 Resp: 292086

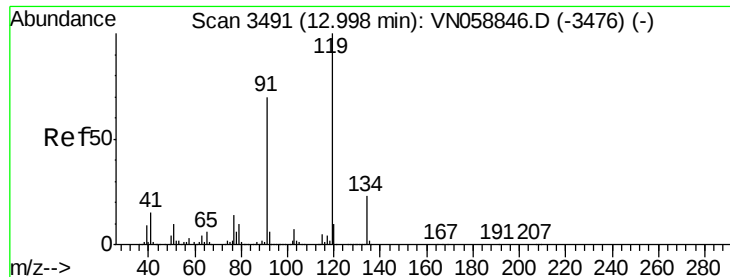
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

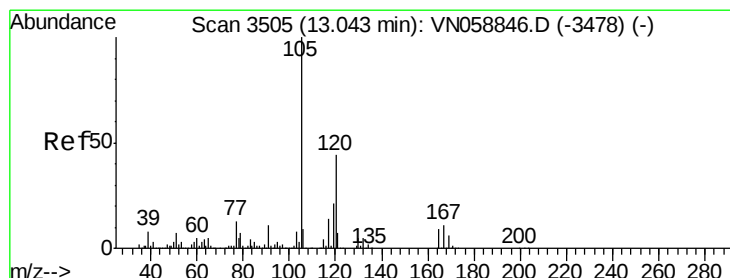
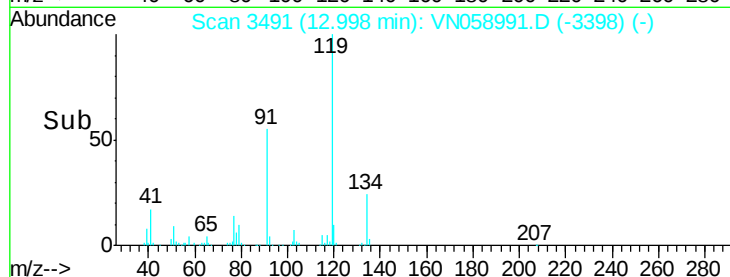
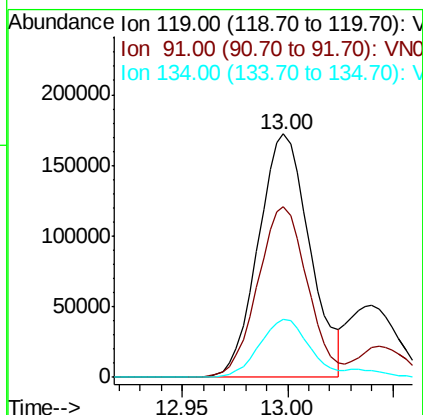
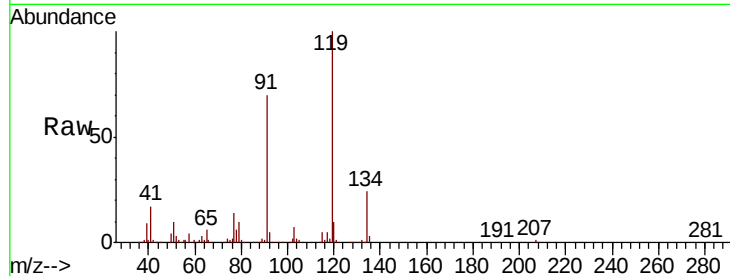




#83
tert-Butylbenzene
Concen: 21.667 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

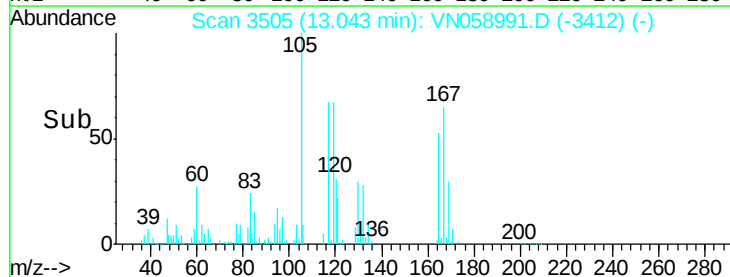
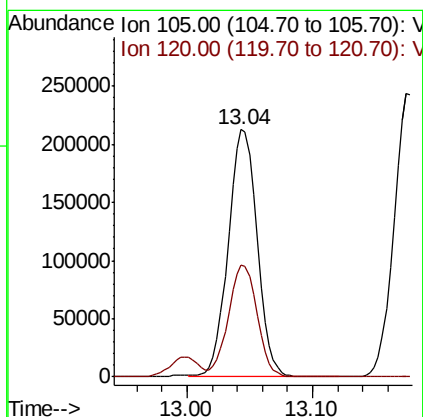
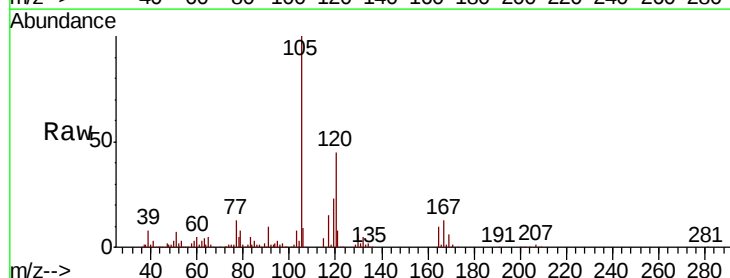
Instrument :
MSVOA_N
ClientSampleId :

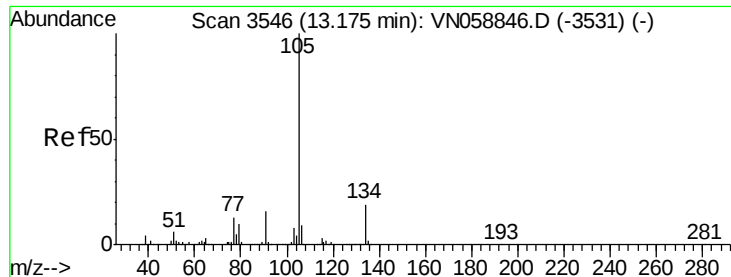
Tot Ion:119 Resp: 292204
Ion Ratio Lower Upper
119 100
91 68.1 34.1 102.3
134 23.3 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.830 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion:105 Resp: 339581
Ion Ratio Lower Upper
105 100
120 45.3 21.9 65.8





#85

sec-Butylbenzene

Concen: 21.673 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

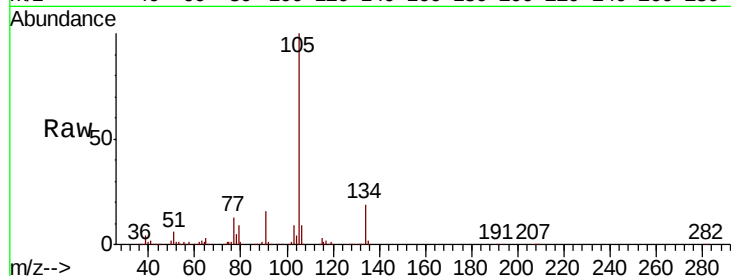
ClientSampled :

Tot Ion:105 Resp: 389704

Ion Ratio Lower Upper

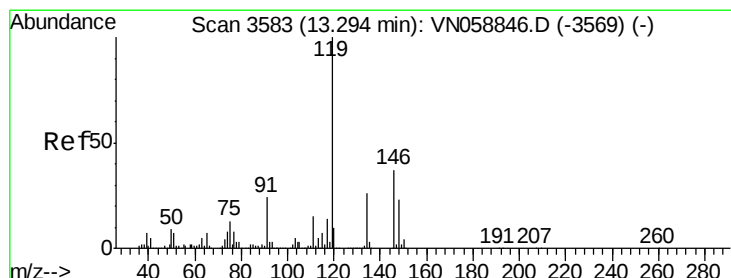
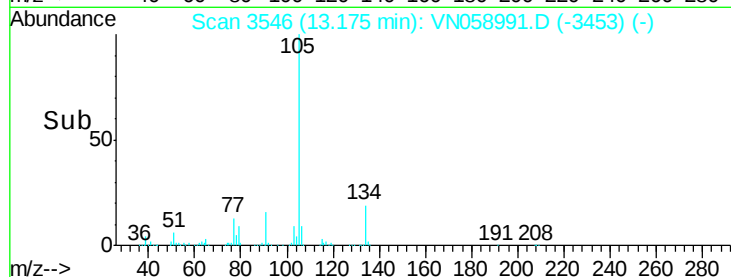
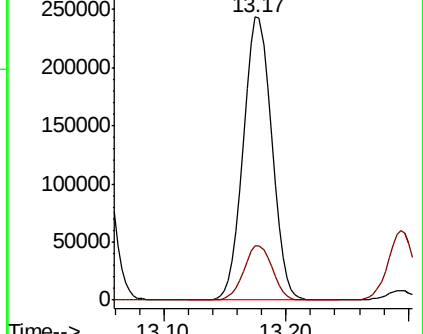
105 100

134 19.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.708 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

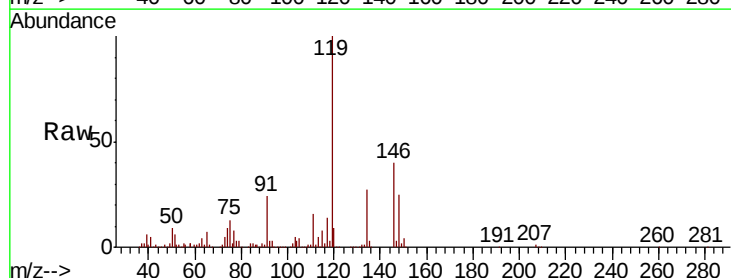
Tgt Ion:119 Resp: 344400

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

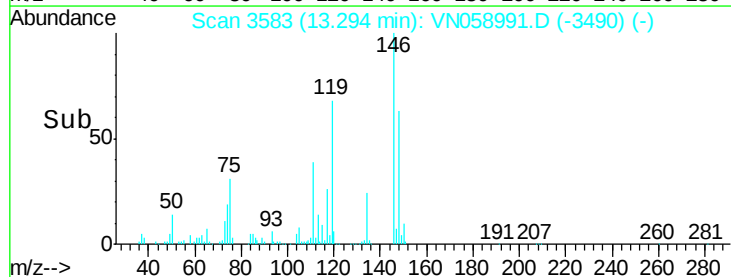
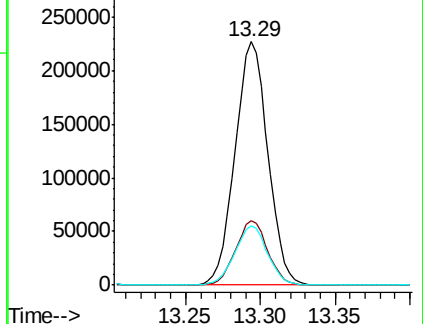
91 24.1 12.2 36.4

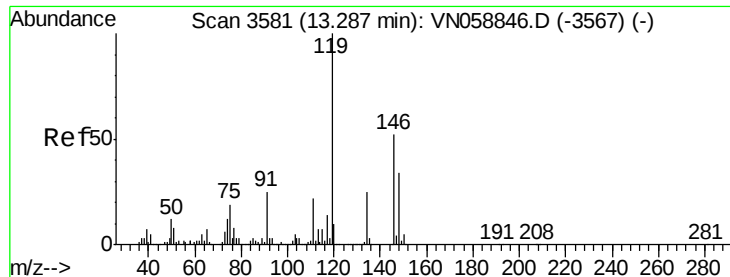


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.101 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

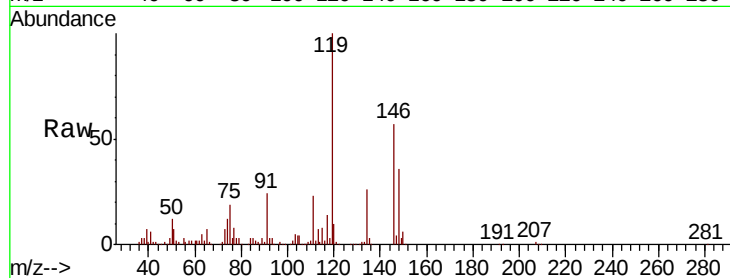
Tot Ion:146 Resp: 174566

Ion Ratio Lower Upper

146 100

111 40.8 21.0 63.0

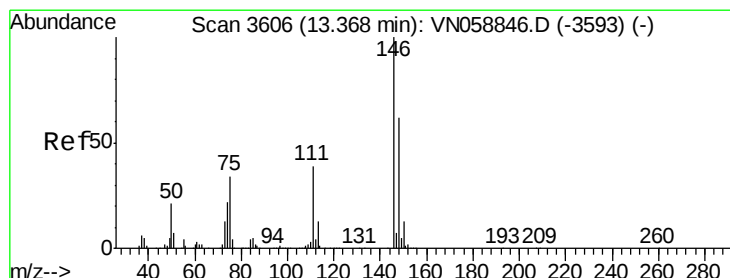
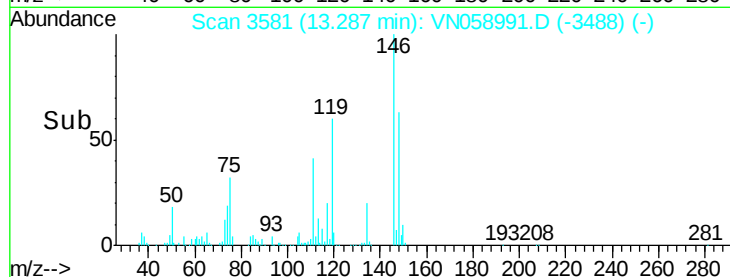
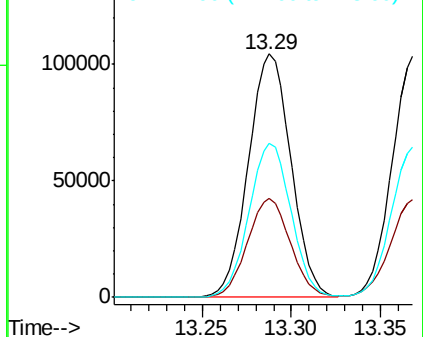
148 62.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.702 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

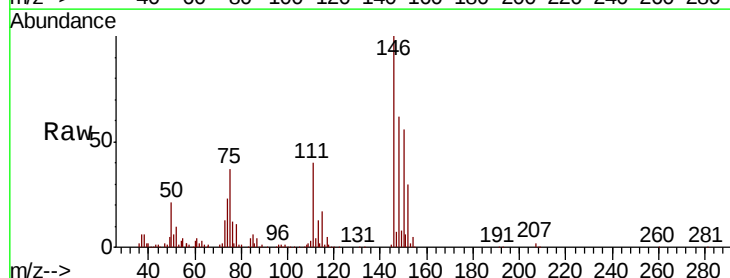
Tgt Ion:146 Resp: 171475

Ion Ratio Lower Upper

146 100

111 41.1 20.2 60.6

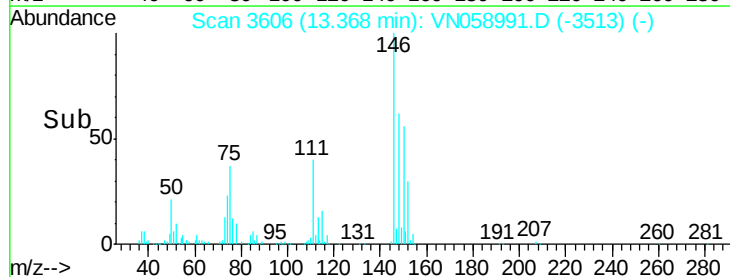
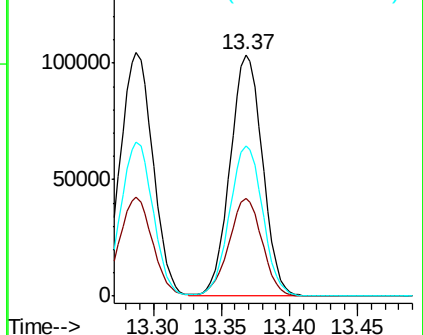
148 63.7 31.6 94.7

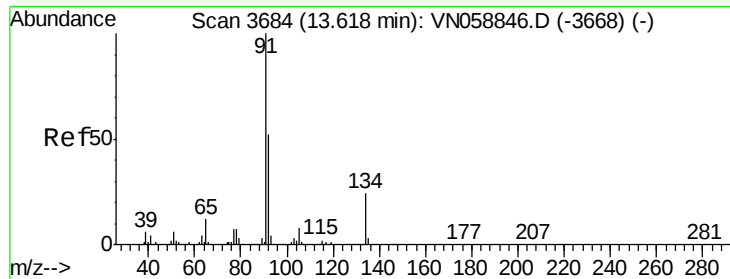


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.345 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

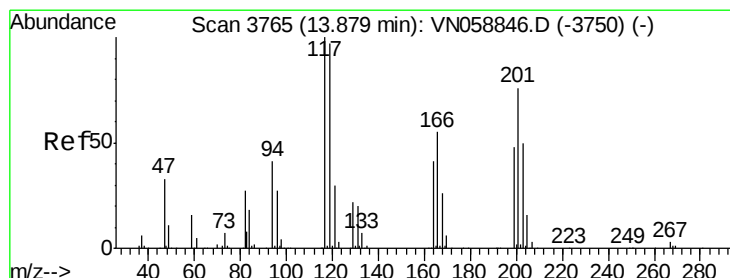
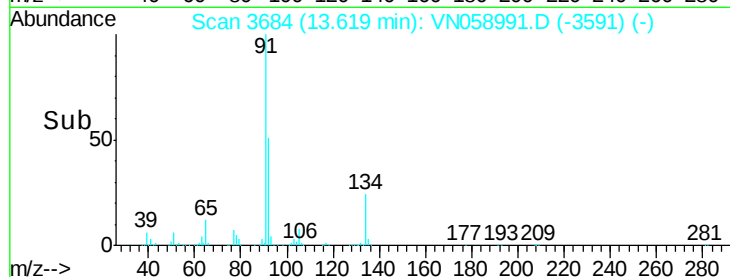
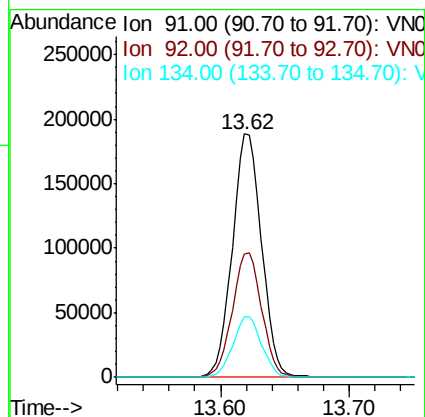
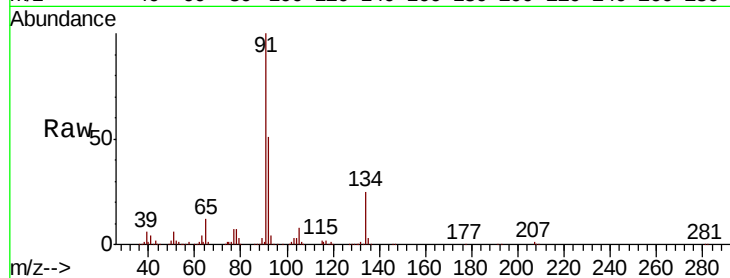
Tot Ion: 91 Resp: 296511

Ion Ratio Lower Upper

91 100

92 51.1 25.7 77.1

134 24.6 11.9 35.5



#90

Hexachloroethane

Concen: 21.455 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058991.D

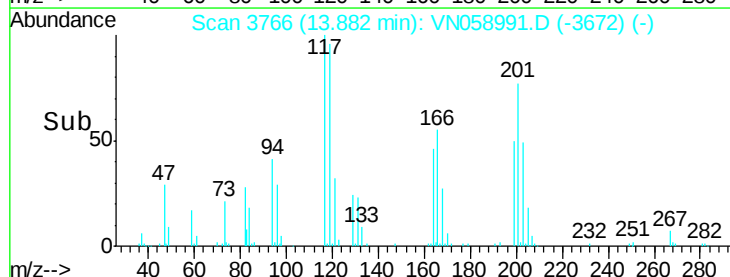
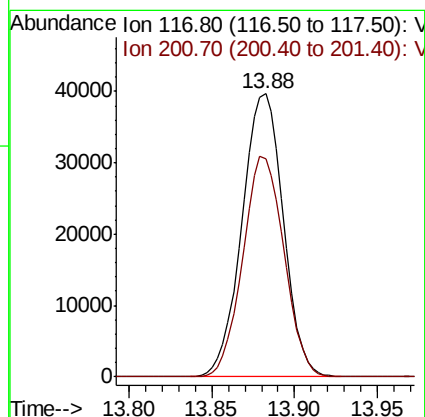
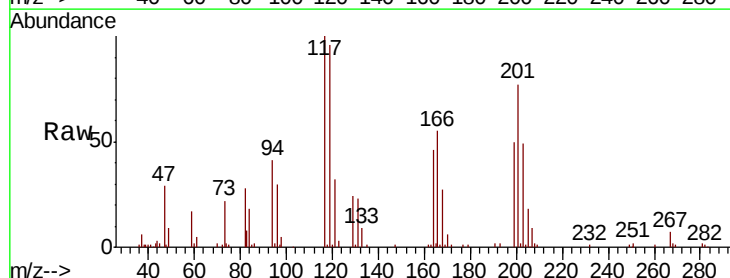
Acq: 28 Oct 2019 12:44

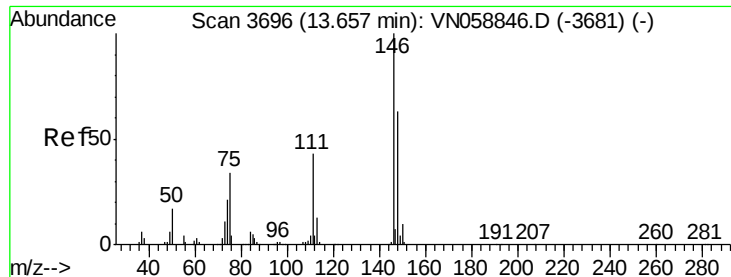
Tgt Ion: 117 Resp: 68974

Ion Ratio Lower Upper

117 100

201 77.4 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 21.555 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058991.D

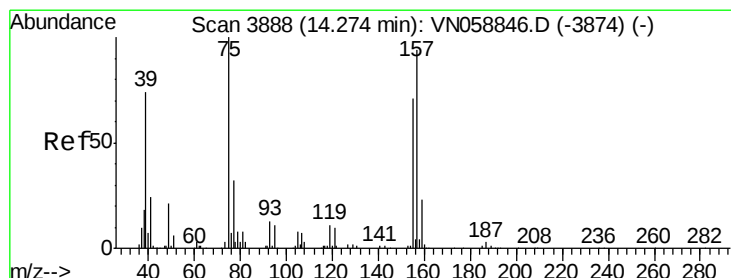
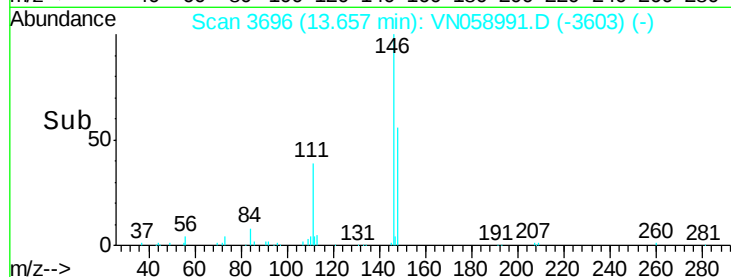
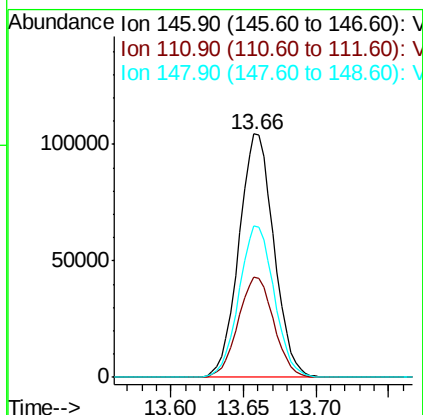
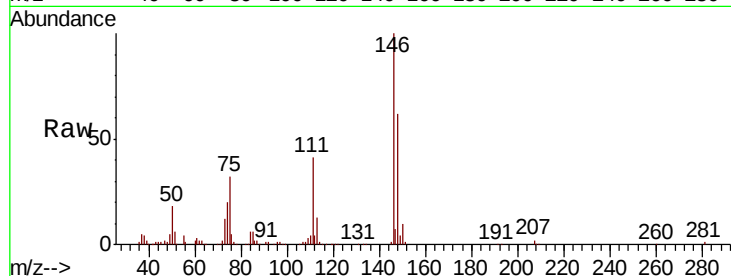
Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	175269
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.6	64.8
148	62.6	31.9	95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.177 ug/l

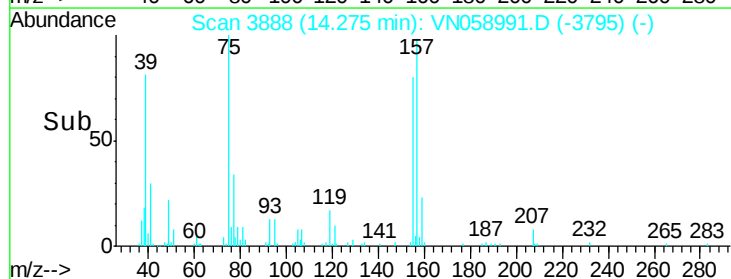
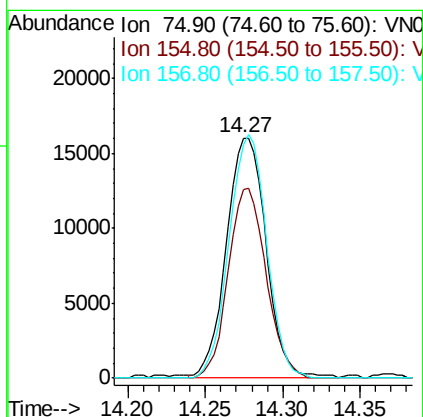
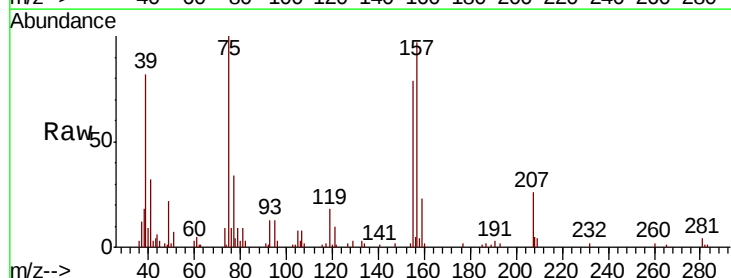
RT: 14.27 min Scan# 3888

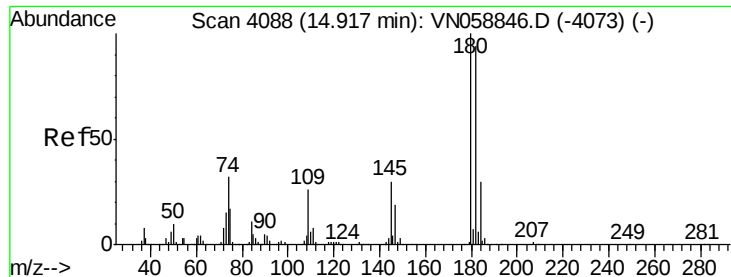
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	75	Resp:	28629
Ion	Ratio	Lower	Upper
75	100		
155	75.1	35.6	106.8
157	95.8	47.4	142.2

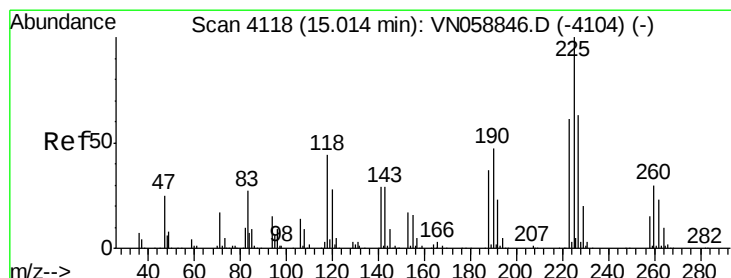
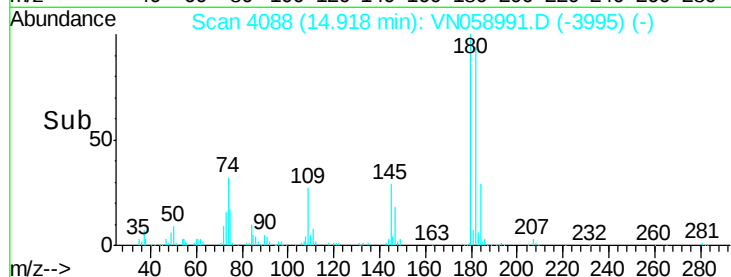
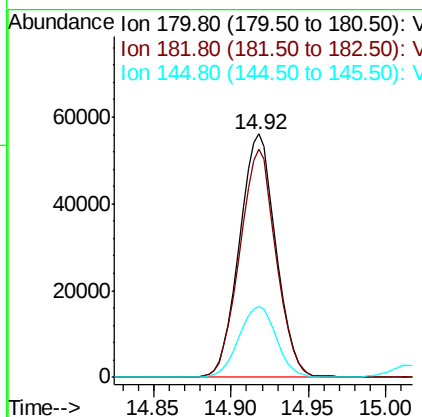
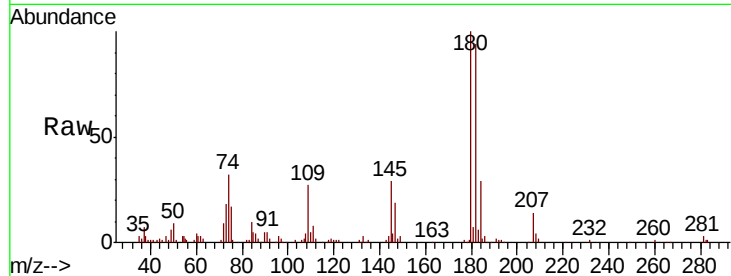




#93
 1,2,4-Trichlorobenzene
 Concen: 19.566 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

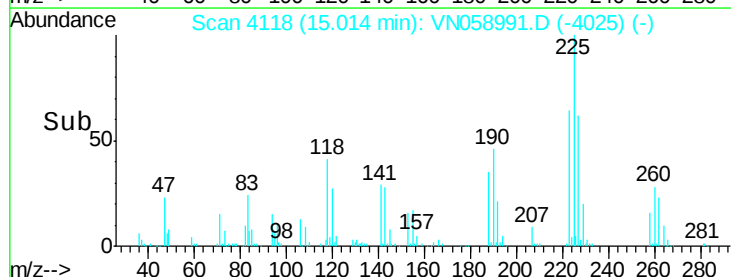
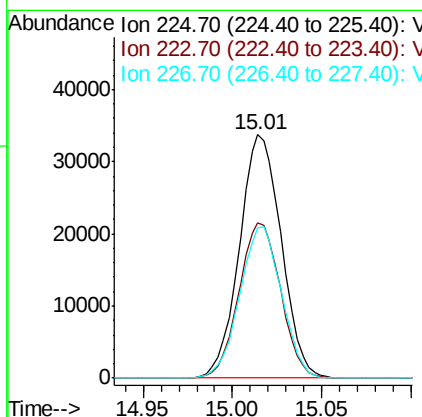
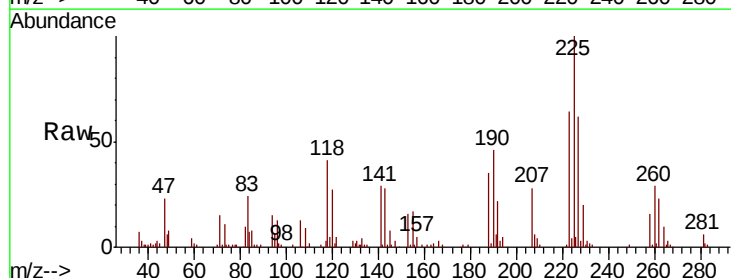
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	142.0
145	29.8	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 20.965 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.9	92.5
227	62.2	31.6	94.7





#95

Naphthalene

Concen: 18.416 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

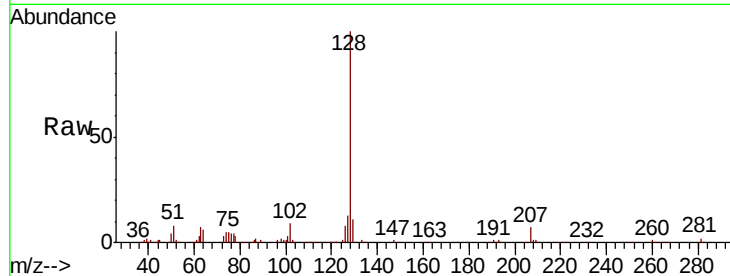
Tot Ion:128 Resp: 249304

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

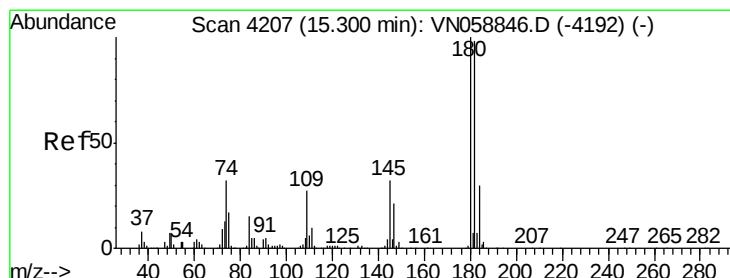
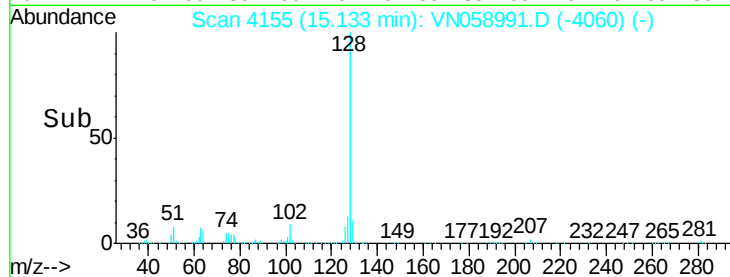
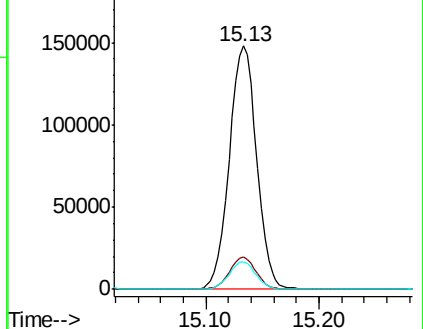
129 11.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.342 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

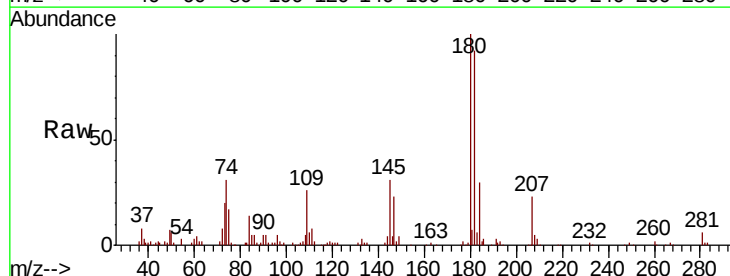
Tgt Ion:180 Resp: 93937

Ion Ratio Lower Upper

180 100

182 93.5 47.9 143.7

145 32.4 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

