

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058893.D
 Acq On : 21 Oct 2019 16:57
 Operator : JC/SP
 Sample : VN1021MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Quant Time: Oct 22 03:21:07 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	420253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	633301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	303759	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.57	113	218904	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.08	98	847753	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	307034	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	101661	19.402	ug/l	98
3) Chloromethane	2.04	50	124723	19.219	ug/l	99
4) Vinyl Chloride	2.17	62	127170	19.736	ug/l	100
5) Bromomethane	2.55	94	78999	19.579	ug/l	100
6) Chloroethane	2.69	64	81346	19.687	ug/l	98
7) Trichlorofluoromethane	3.00	101	152538	19.133	ug/l	100
8) Diethyl Ether	3.39	74	56340	20.449	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84312	19.076	ug/l	98
10) Methyl Iodide	3.93	142	112450	19.344	ug/l	100
11) Tert butyl alcohol	4.76	59	96578	94.422	ug/l	98
12) 1,1-Dichloroethene	3.72	96	80161	19.349	ug/l	98
13) Acrolein	3.59	56	54352	77.337	ug/l	97
14) Allyl chloride	4.30	41	161475	19.262	ug/l	98
15) Acrylonitrile	4.96	53	253662	98.592	ug/l	99
16) Acetone	3.79	43	234792	77.089	ug/l	100
17) Carbon Disulfide	4.03	76	251742	18.863	ug/l	99
18) Methyl Acetate	4.30	43	136426	19.702	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	294157	20.277	ug/l	98
20) Methylene Chloride	4.53	84	99955	19.220	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	91343	19.965	ug/l	95
22) Diisopropyl ether	5.93	45	331907	20.241	ug/l	99
23) Vinyl Acetate	5.87	43	1382024	104.904	ug/l	100
24) 1,1-Dichloroethane	5.82	63	185394	19.499	ug/l	99
25) 2-Butanone	6.82	43	356565	90.186	ug/l	100
26) 2,2-Dichloropropane	6.80	77	148516	18.059	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	101966	19.509	ug/l	99
28) Bromochloromethane	7.18	49	60707	19.171	ug/l	98
29) Tetrahydrofuran	7.19	42	236008	97.581	ug/l	99
30) Chloroform	7.36	83	182140	19.097	ug/l	97
31) Cyclohexane	7.63	56	172505	19.475	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157599	19.604	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137778	19.558	ug/l	99
37) Ethyl Acetate	6.91	43	152798	19.907	ug/l	99
38) Carbon Tetrachloride	7.76	117	140182	19.316	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058893.D
 Acq On : 21 Oct 2019 16:57
 Operator : JC/SP
 Sample : VN1021MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Quant Time: Oct 22 03:21:07 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)
39) Methylcyclohexane	9.07	83	152413	19.269	ug/l	99
40) Benzene	8.03	78	401536	19.411	ug/l	97
41) Methacrylonitrile	7.19	41	219256	64.136	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	156728	19.669	ug/l	98
43) Isopropyl Acetate	8.15	43	237050	19.256	ug/l #	92
44) Trichloroethene	8.82	130	97350	19.319	ug/l	95
45) 1,2-Dichloropropane	9.11	63	110005	19.393	ug/l	100
46) Dibromomethane	9.20	93	70569	19.679	ug/l	97
47) Bromodichloromethane	9.39	83	142153	19.234	ug/l	98
48) Methyl methacrylate	9.19	41	109030	19.521	ug/l	99
49) 1,4-Dioxane	9.19	88	34401	375.209	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	744285	103.512	ug/l	99
52) Toluene	10.15	92	244518	19.933	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	157088	19.200	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	167415	19.152	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	97013	19.197	ug/l	98
56) Ethyl methacrylate	10.43	69	148177	18.821	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171502	19.336	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	314090	91.302	ug/l	99
59) 2-Hexanone	10.75	43	541435	97.447	ug/l	100
60) Dibromochloromethane	10.90	129	106261	19.536	ug/l	98
61) 1,2-Dibromoethane	11.00	107	100500	19.433	ug/l	100
64) Tetrachloroethene	10.63	164	86235	19.443	ug/l	97
65) Chlorobenzene	11.43	112	260300	20.189	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	96878	19.912	ug/l	99
67) Ethyl Benzene	11.51	91	467720	20.680	ug/l	99
68) m/p-Xylenes	11.62	106	341944	40.768	ug/l	99
69) o-Xylene	11.95	106	162428	20.305	ug/l	100
70) Styrene	11.97	104	264446	19.009	ug/l	99
71) Bromoform	12.13	173	71719	19.010	ug/l #	98
73) Isopropylbenzene	12.25	105	447442	20.902	ug/l	100
74) N-amyl acetate	12.07	43	199642	20.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150058	19.936	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	198578	29.252	ug/l #	100
77) Bromobenzene	12.53	156	105860	20.063	ug/l	98
78) n-propylbenzene	12.59	91	522597	20.653	ug/l	100
79) 2-Chlorotoluene	12.68	91	311766	20.131	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	378147	21.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49918	19.156	ug/l	99
82) 4-Chlorotoluene	12.78	91	316902	20.024	ug/l	98
83) tert-Butylbenzene	13.00	119	315814	20.534	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	373879	21.076	ug/l	99
85) sec-Butylbenzene	13.17	105	425518	20.752	ug/l	99
86) p-Isopropyltoluene	13.29	119	380621	21.037	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	190710	20.214	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	186182	19.711	ug/l	98
89) n-Butylbenzene	13.62	91	334587	20.131	ug/l	100
90) Hexachloroethane	13.88	117	70125	19.127	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	186698	20.134	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30870	18.133	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102119\
Data File : VN058893.D
Acq On : 21 Oct 2019 16:57
Operator : JC/SP
Sample : VN1021MBSD01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Quant Time: Oct 22 03:21:07 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

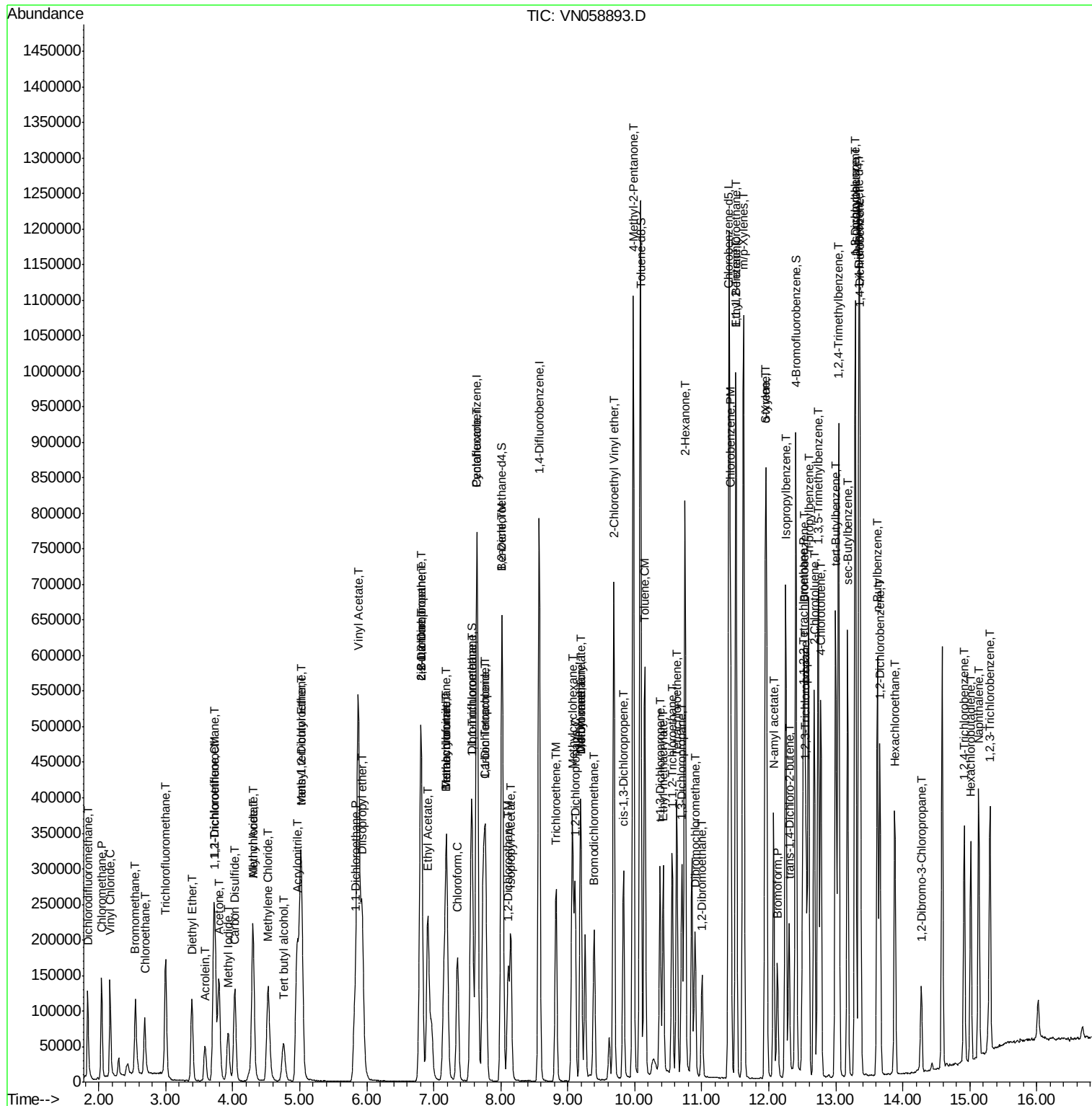
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	103029	19.280	ug/l	99
94) Hexachlorobutadiene	15.01	225	56247	18.715	ug/l	98
95) Naphthalene	15.13	128	297466	19.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103788	19.783	ug/l	99

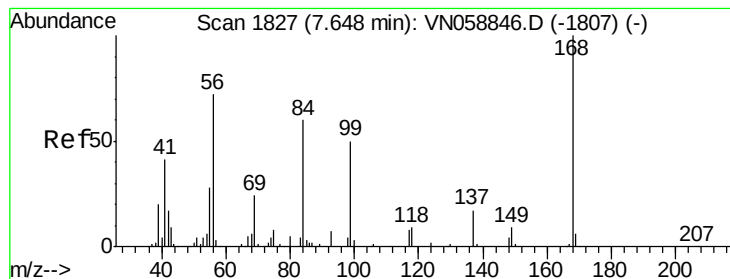
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102119\
Data File : VN058893.D
Acq On : 21 Oct 2019 16:57
Operator : JC/SP
Sample : VN1021MBS01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Quant Time: Oct 22 03:21:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

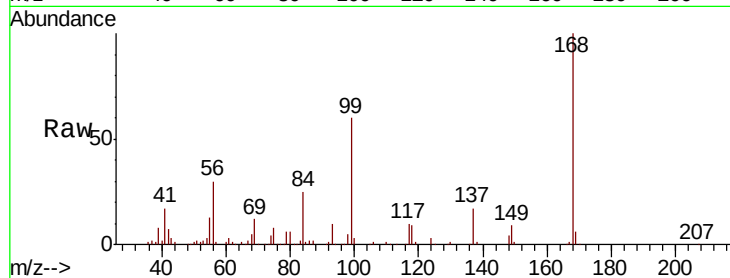
VN1021MBSD01

Tot Ion:168 Resp: 420253

Ion Ratio Lower Upper

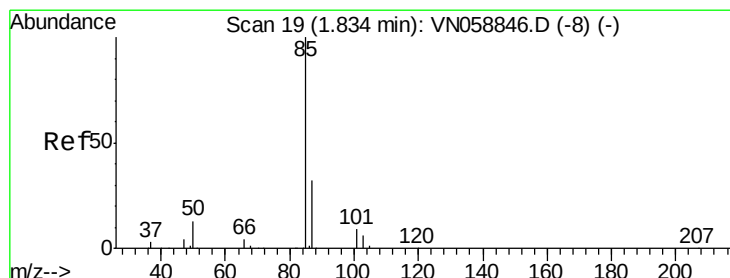
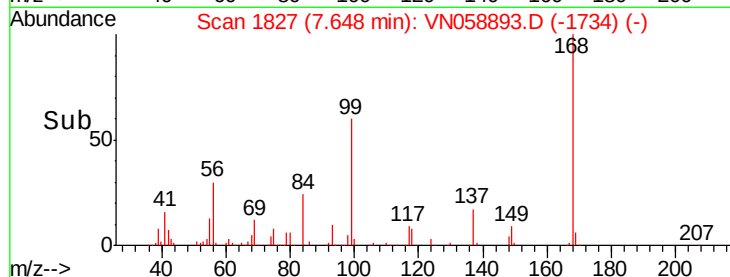
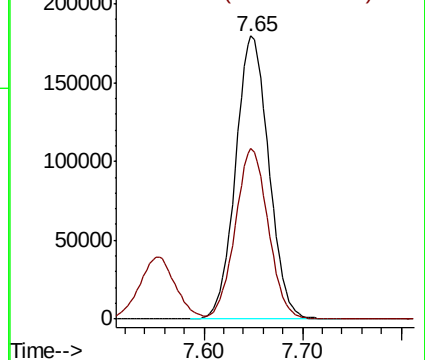
168 100

99 60.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058893.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058893.D (-1734) (-)



#2

Dichlorodifluoromethane

Concen: 19.402 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058893.D

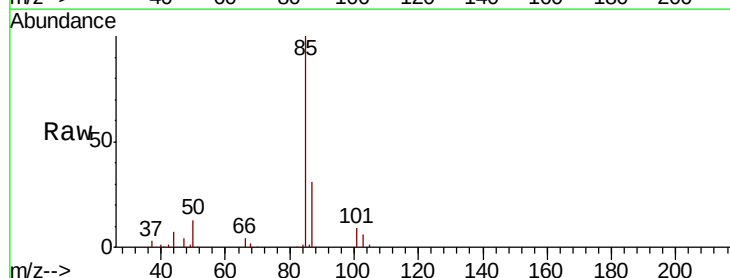
Acq: 21 Oct 2019 16:57

Tgt Ion: 85 Resp: 101661

Ion Ratio Lower Upper

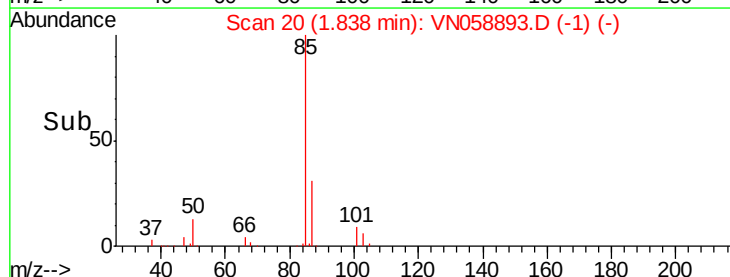
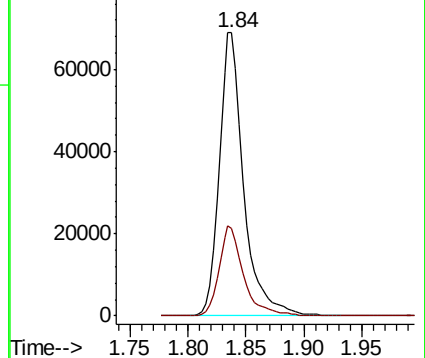
85 100

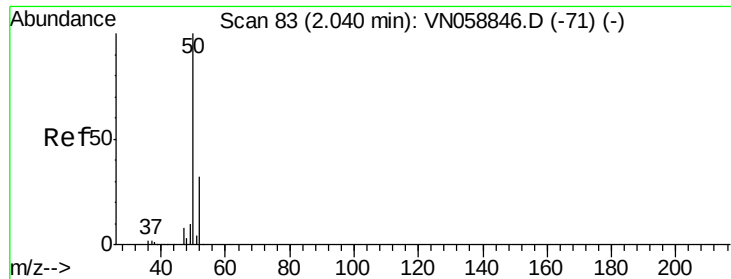
87 31.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN058893.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN058893.D (-1) (-)





#3

Chloromethane

Concen: 19.219 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

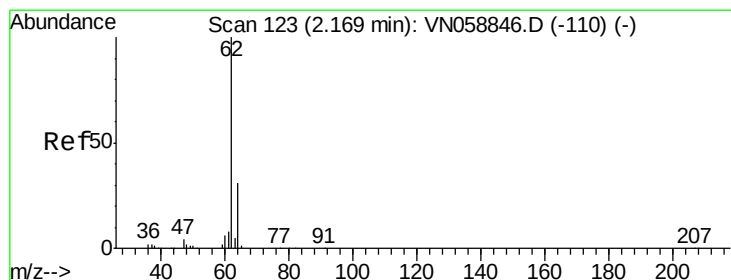
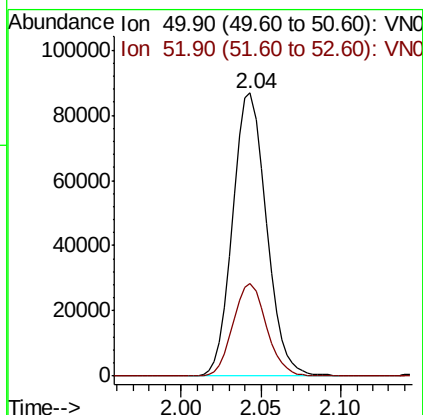
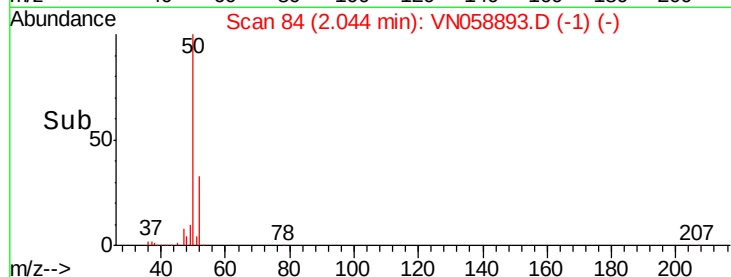
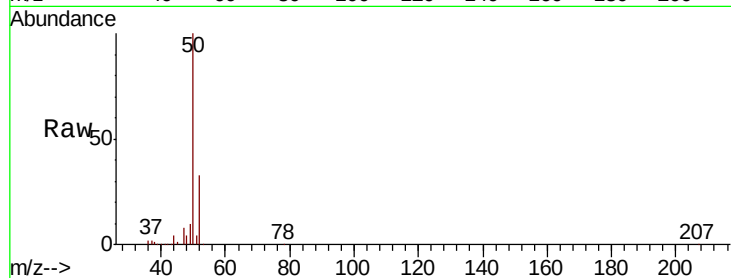
VN1021MBSD01

Tot Ion: 50 Resp: 124723

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



#4

Vinyl Chloride

Concen: 19.736 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058893.D

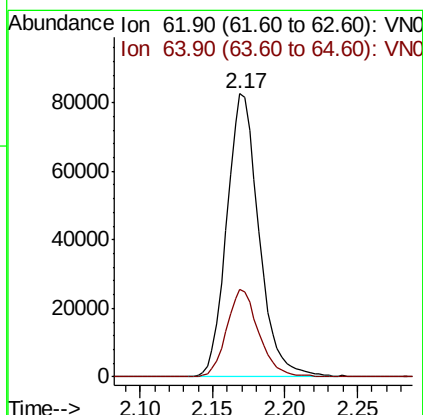
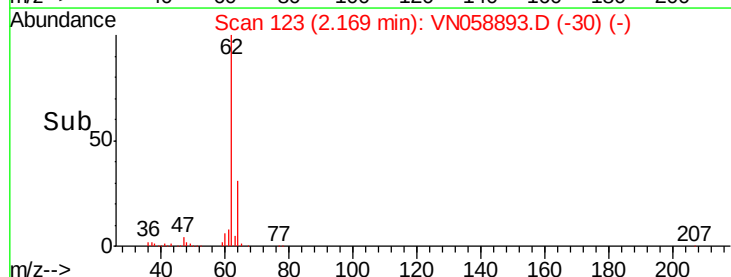
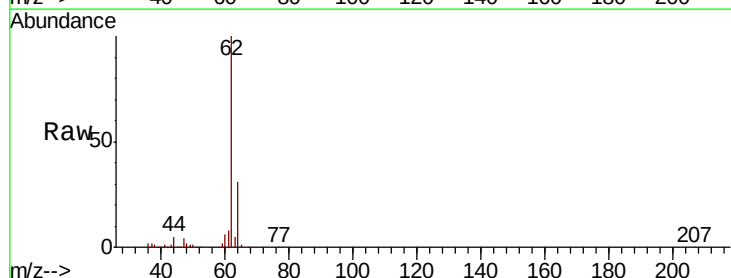
Acq: 21 Oct 2019 16:57

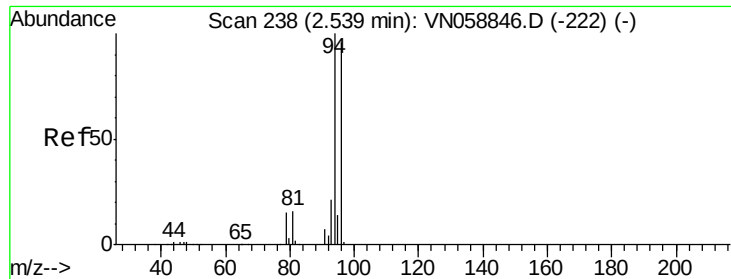
Tgt Ion: 62 Resp: 127170

Ion Ratio Lower Upper

62 100

64 30.9 24.6 36.8





#5

Bromomethane

Concen: 19.579 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

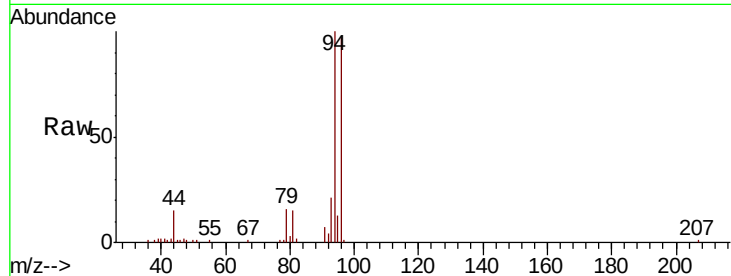
VN1021MBSD01

Tot Ion: 94 Resp: 78999

Ion Ratio Lower Upper

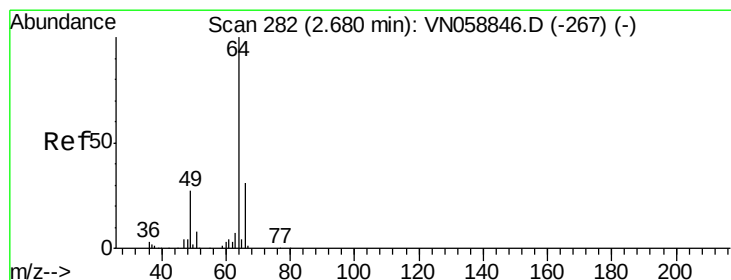
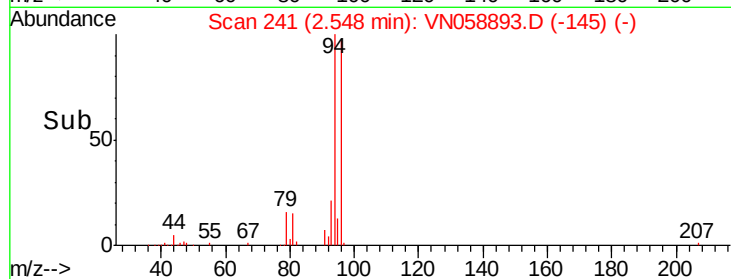
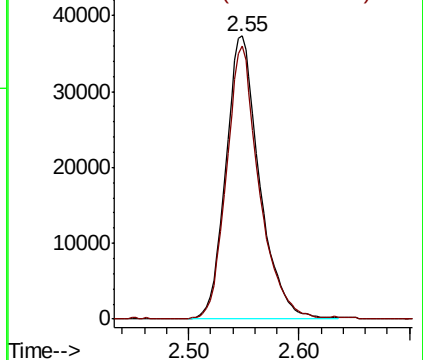
94 100

96 96.6 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: 19.687 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058893.D

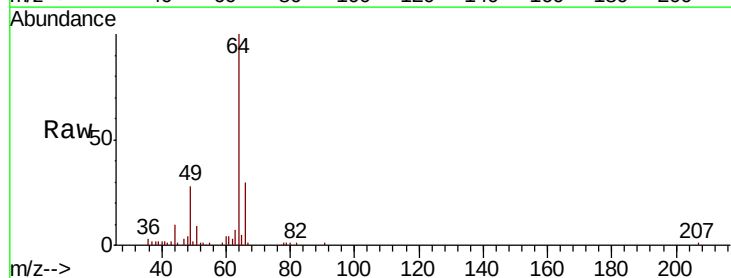
Acq: 21 Oct 2019 16:57

Tgt Ion: 64 Resp: 81346

Ion Ratio Lower Upper

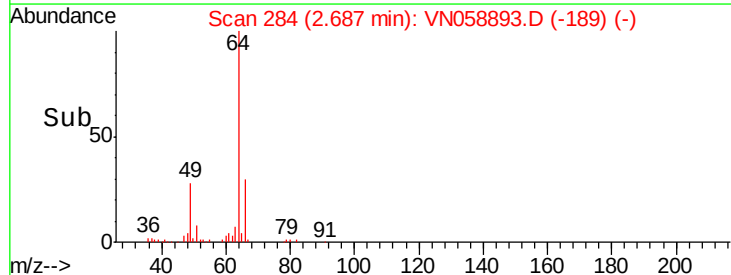
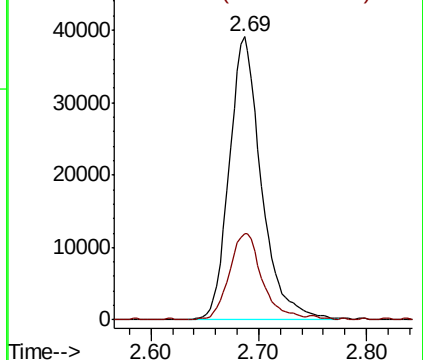
64 100

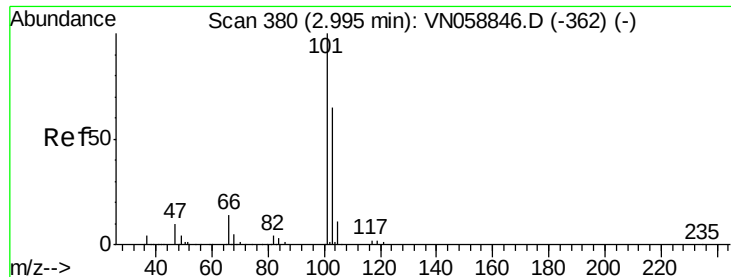
66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



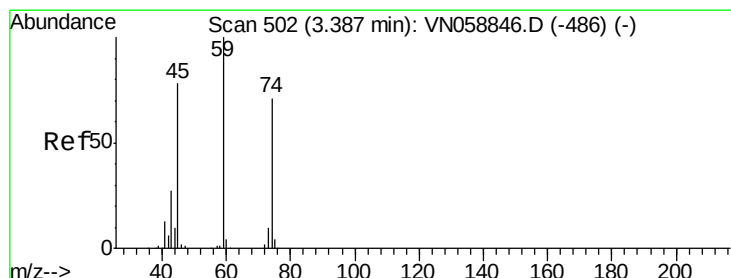
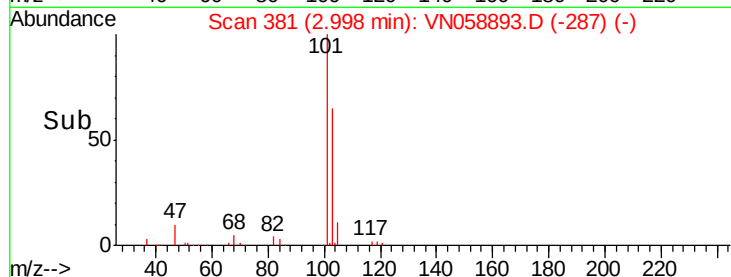
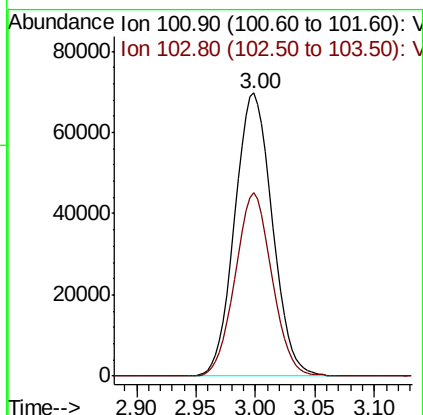
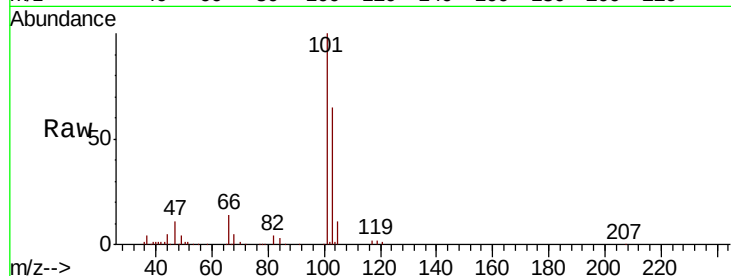


#7

Trichlorofluoromethane
 Concen: 19.133 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

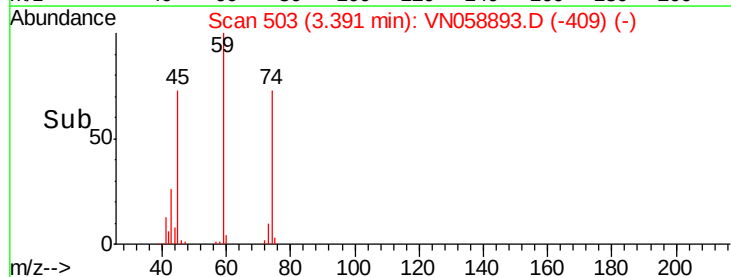
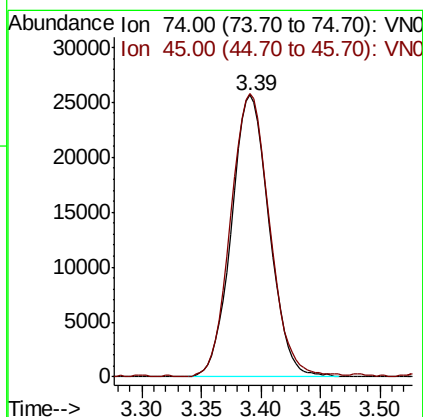
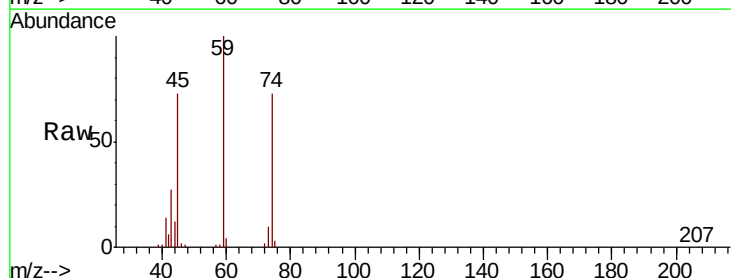
Tot Ion:101 Resp: 152538
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.2 78.2

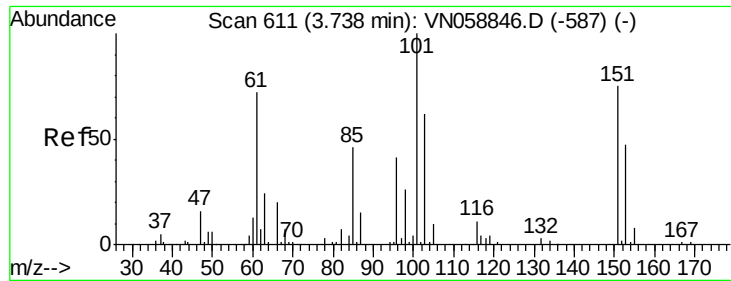


#8

Diethyl Ether
 Concen: 20.449 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion: 74 Resp: 56340
 Ion Ratio Lower Upper
 74 100
 45 104.3 54.9 164.5

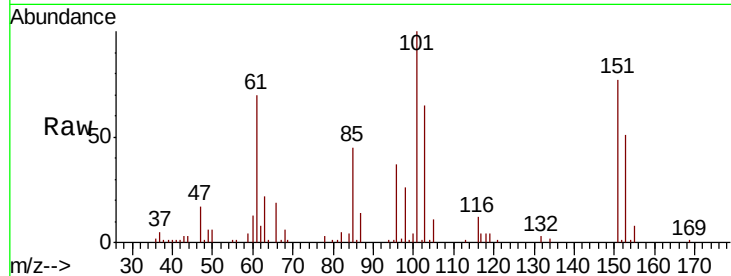




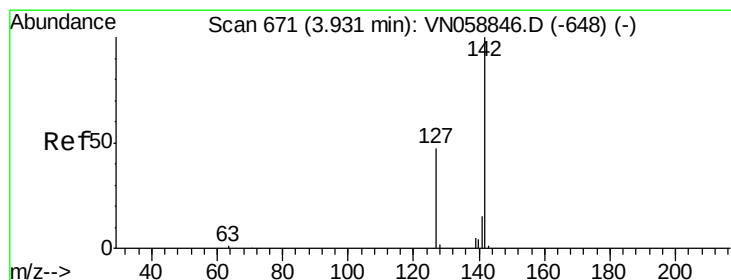
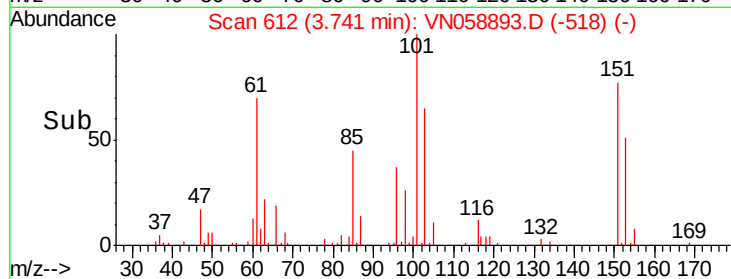
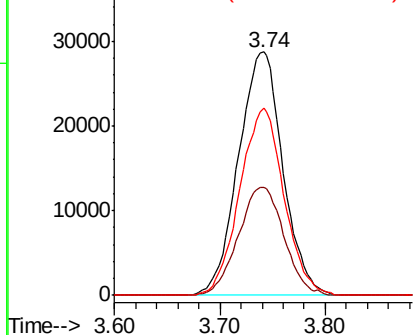
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.076 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion:101 Resp: 84312
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.2 55.8
 151 76.6 59.9 89.9

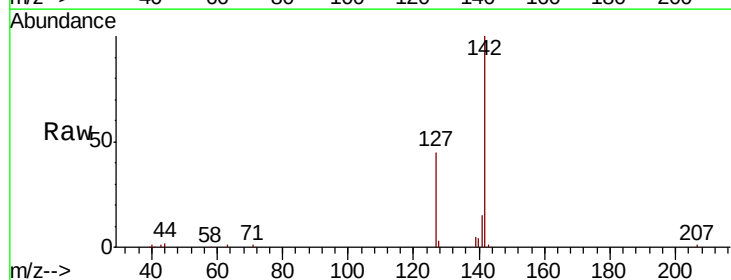


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

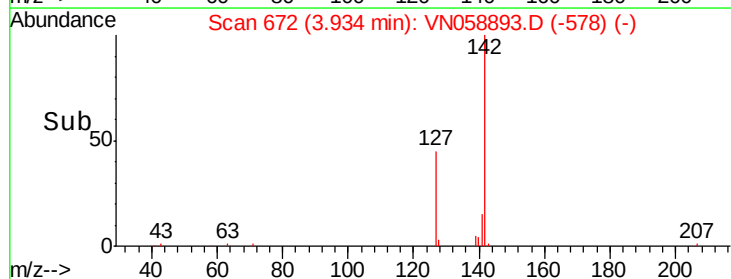
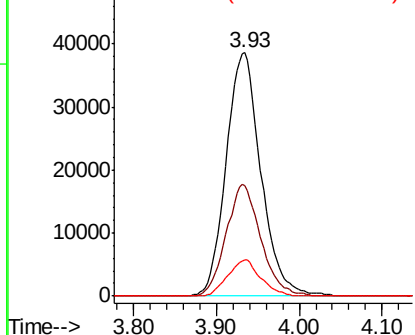


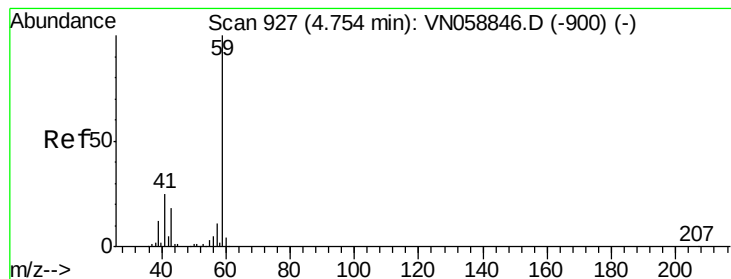
#10
 Methyl Iodide
 Concen: 19.344 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion:142 Resp: 112450
 Ion Ratio Lower Upper
 142 100
 127 45.8 36.6 54.8
 141 14.0 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: 94.422 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

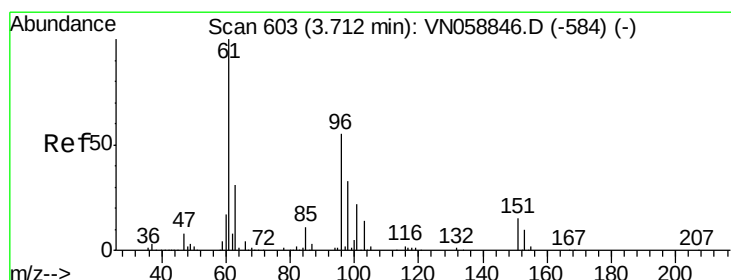
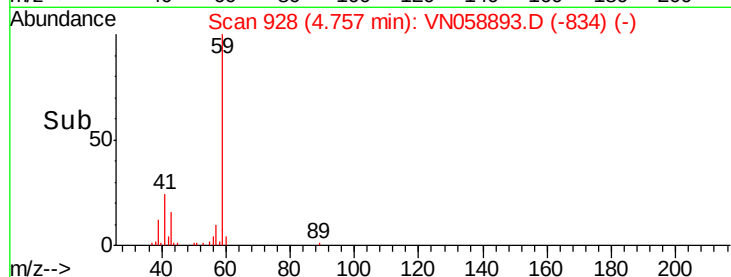
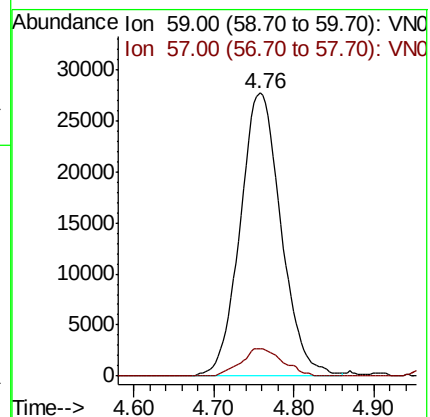
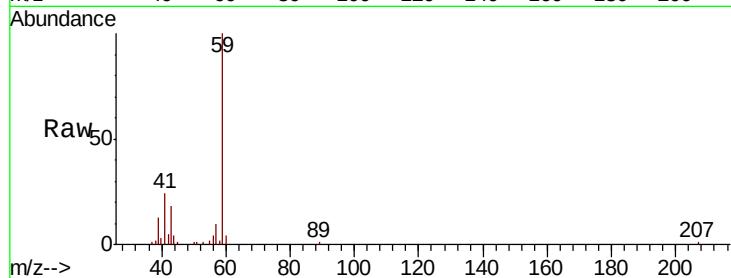
VN1021MBSD01

Tot Ion: 59 Resp: 96578

Ion Ratio Lower Upper

59 100

57 9.9 8.6 12.8



#12

1,1-Dichloroethene

Concen: 19.349 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

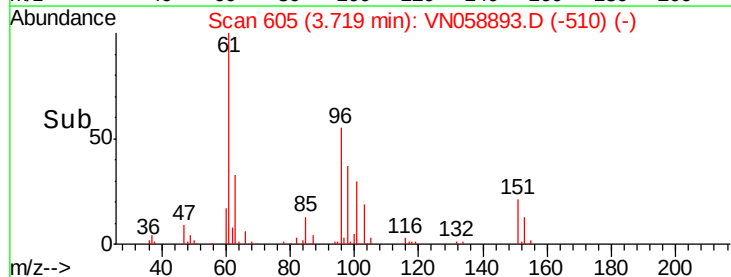
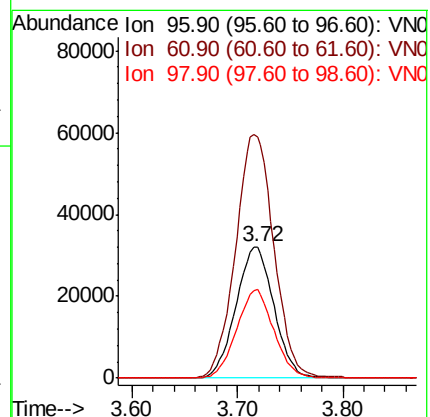
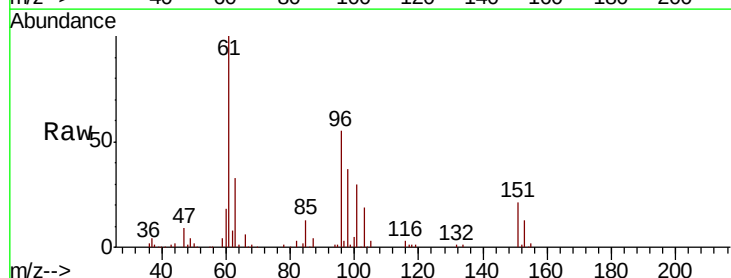
Tgt Ion: 96 Resp: 80161

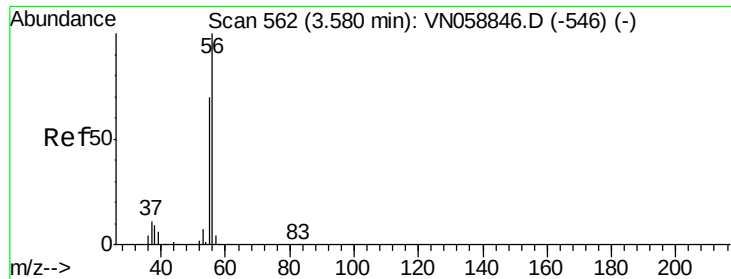
Ion Ratio Lower Upper

96 100

61 183.2 146.2 219.2

98 67.5 48.7 73.1





#13

Acrolein

Concen: 77.337 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

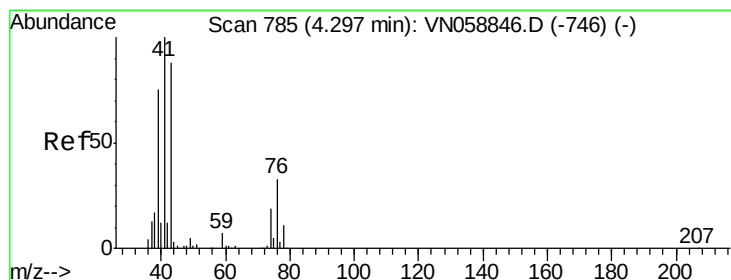
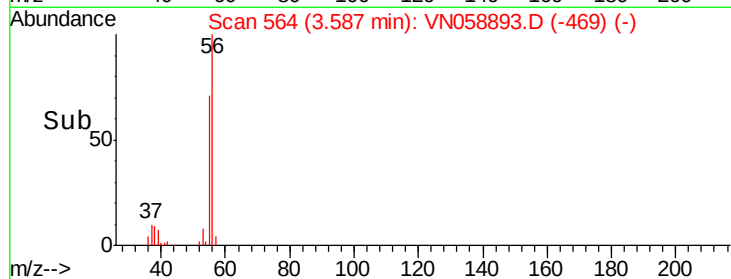
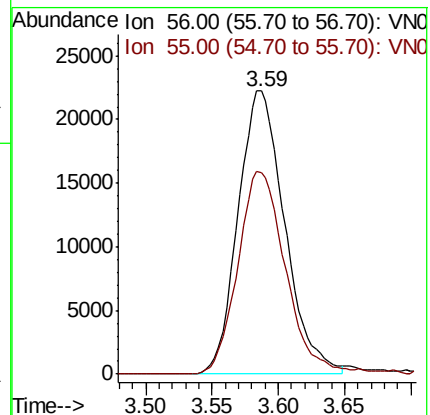
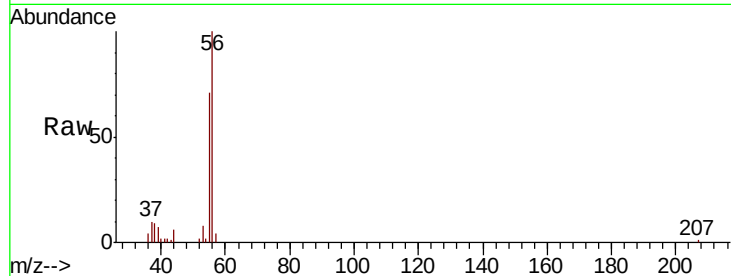
VN1021MBSD01

Tot Ion: 56 Resp: 54352

Ion Ratio Lower Upper

56 100

55 72.9 56.6 85.0



#14

Allyl chloride

Concen: 19.262 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

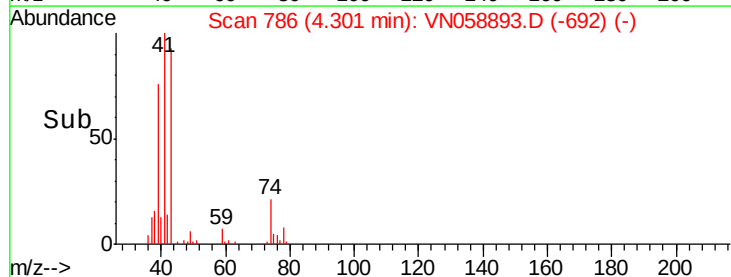
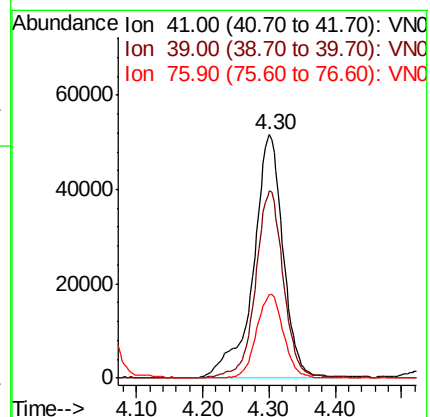
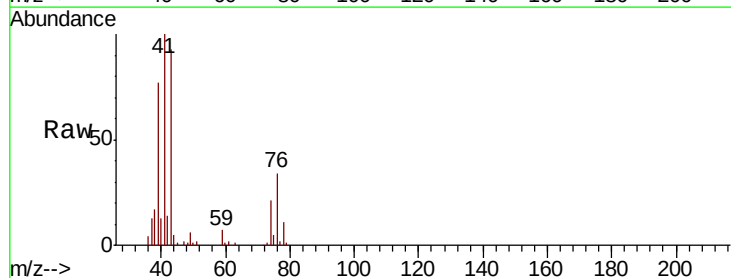
Tgt Ion: 41 Resp: 161475

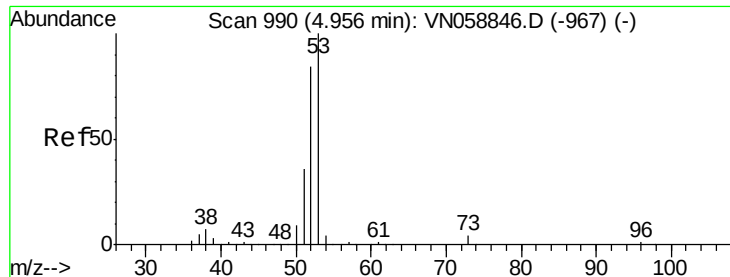
Ion Ratio Lower Upper

41 100

39 71.8 55.9 83.9

76 31.1 24.1 36.1





#15

Acrylonitrile

Concen: 98.592 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

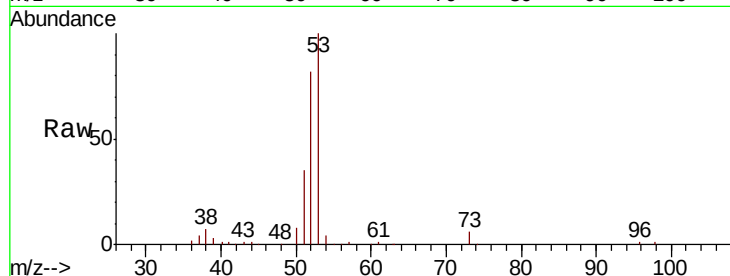
Tot Ion: 53 Resp: 253662

Ion Ratio Lower Upper

53 100

52 82.3 66.6 99.8

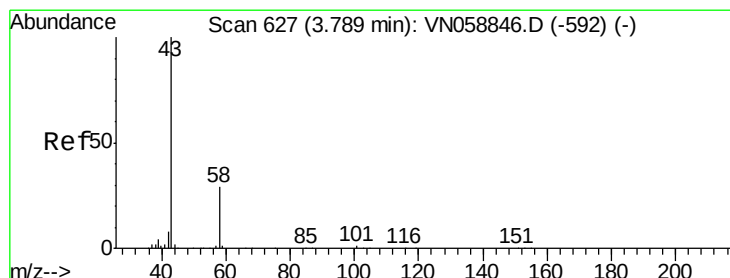
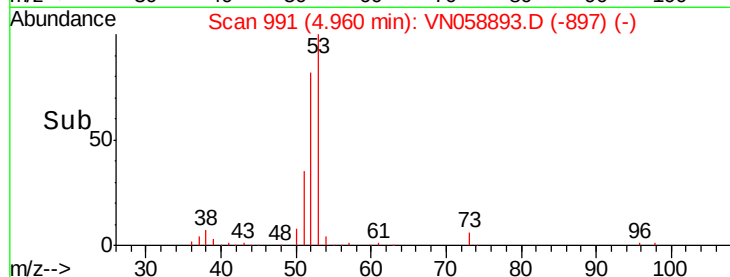
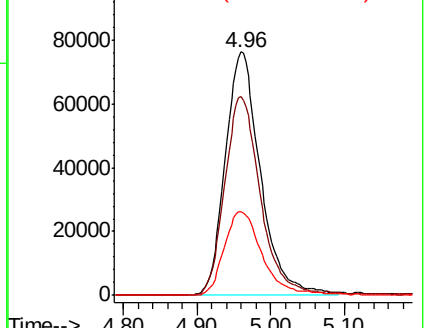
51 37.1 29.2 43.8



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: 77.089 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058893.D

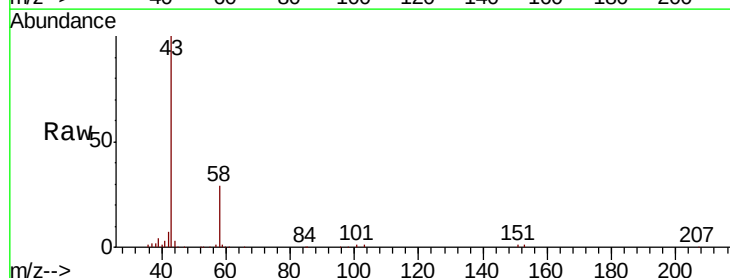
Acq: 21 Oct 2019 16:57

Tgt Ion: 43 Resp: 234792

Ion Ratio Lower Upper

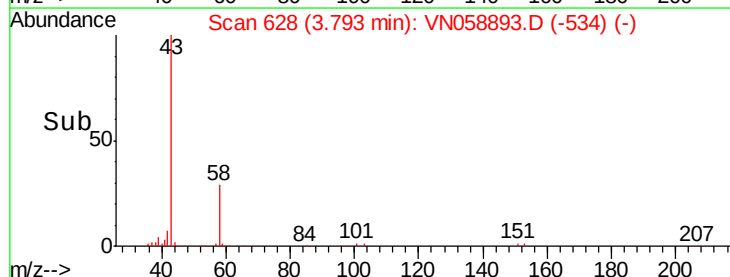
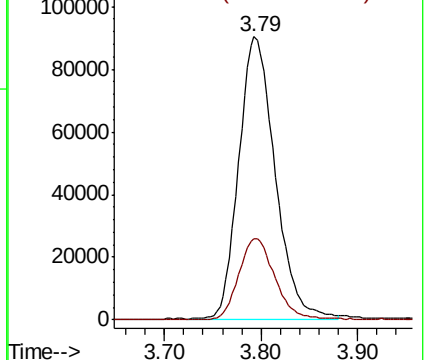
43 100

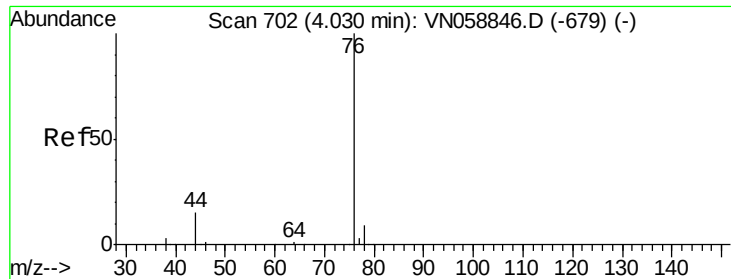
58 28.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

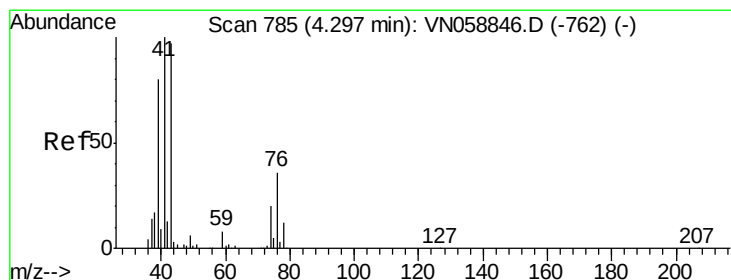
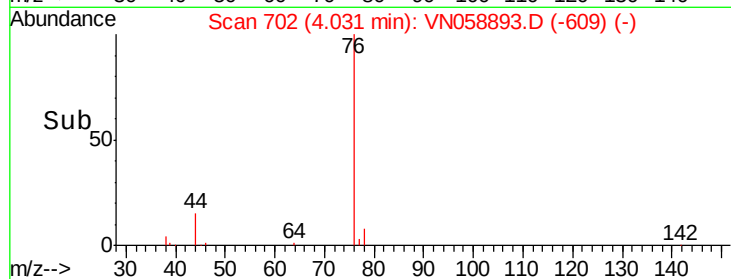
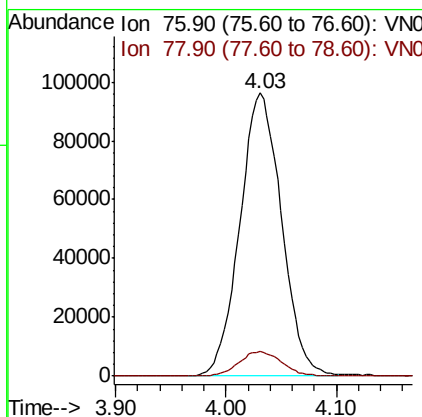
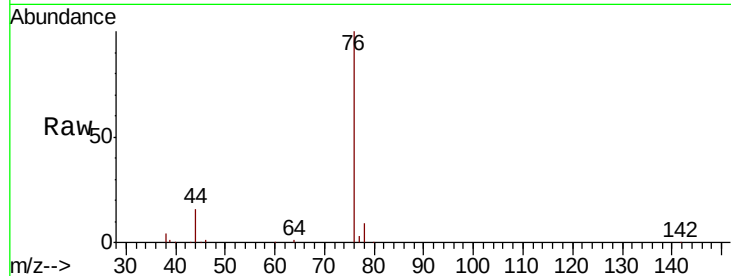




#17
Carbon Disulfide
Concen: 18.863 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

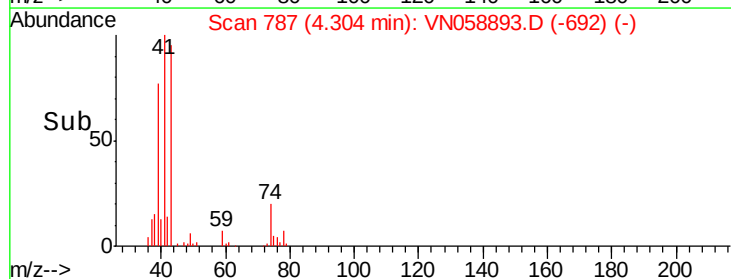
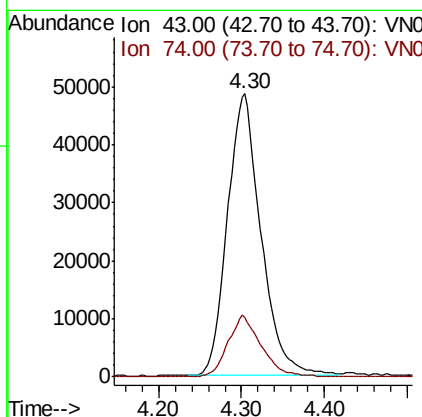
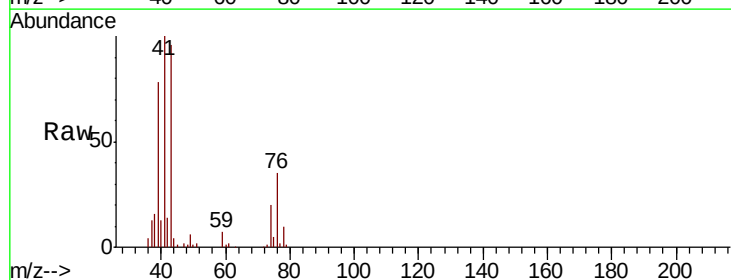
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

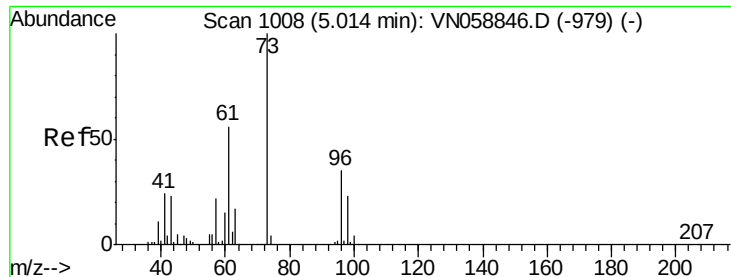
Tot Ion: 76 Resp: 251742
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 19.702 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 43 Resp: 136426
Ion Ratio Lower Upper
43 100
74 21.7 17.1 25.7



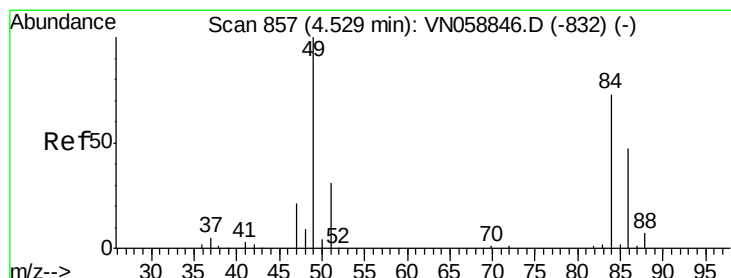
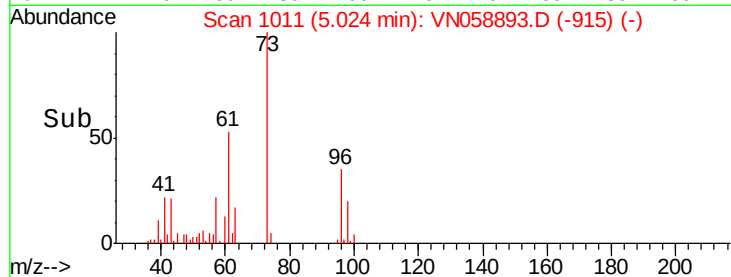
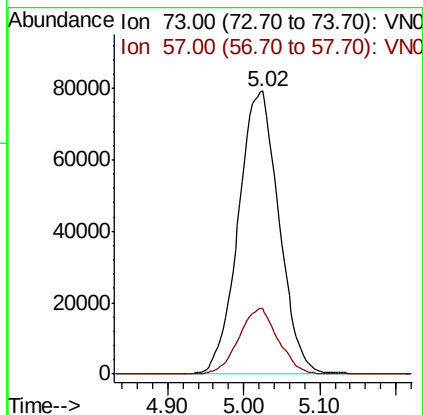
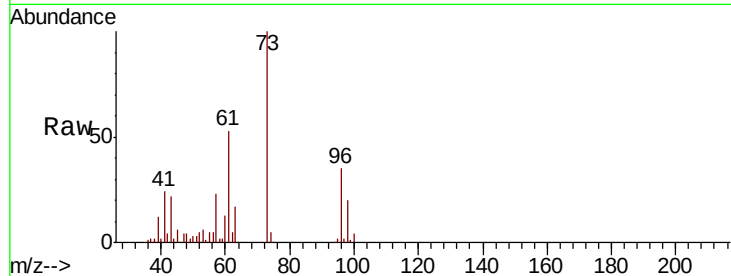


#19

Methyl tert-butyl Ether
 Concen: 20.277 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

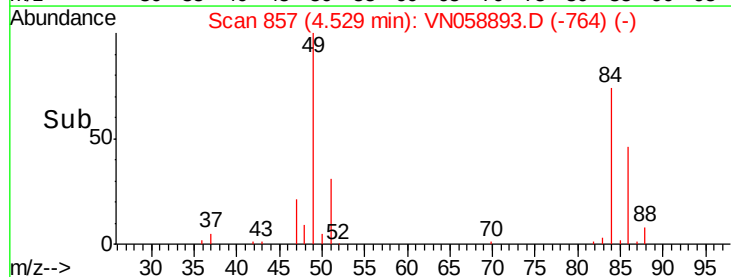
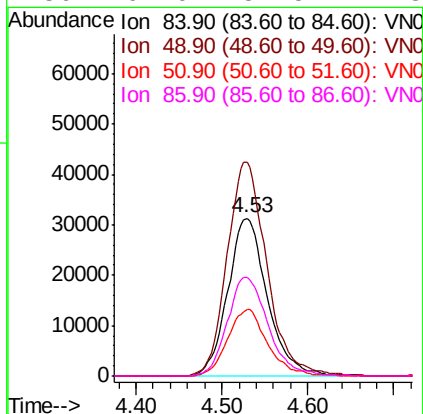
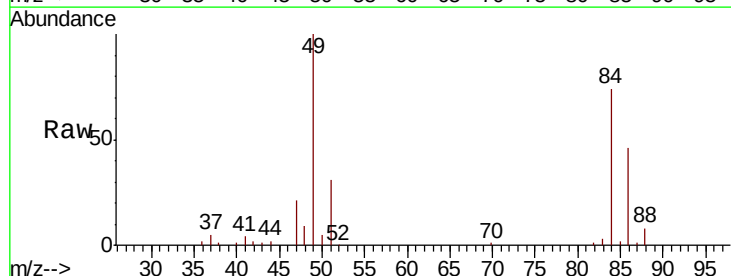
Tot Ion: 73 Resp: 294157
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.9 26.9

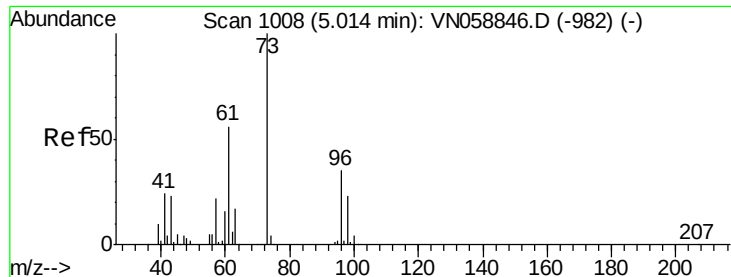


#20

Methylene Chloride
 Concen: 19.220 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion: 84 Resp: 99955
 Ion Ratio Lower Upper
 84 100
 49 135.1 109.6 164.4
 51 41.7 33.8 50.6
 86 62.0 51.5 77.3

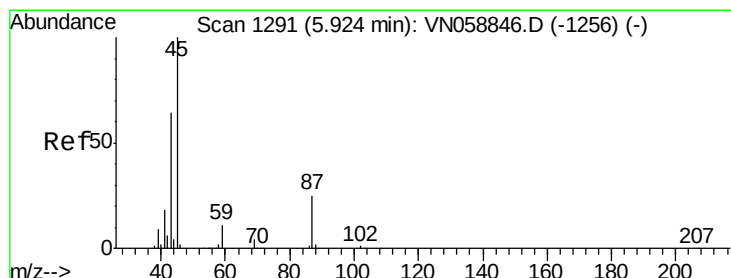
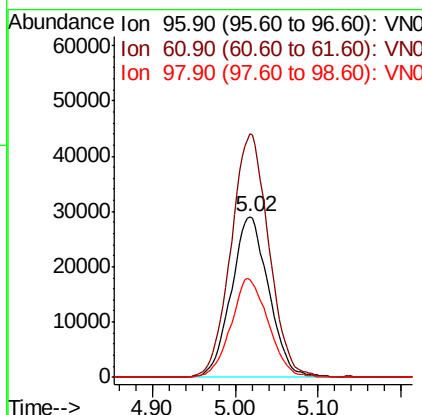
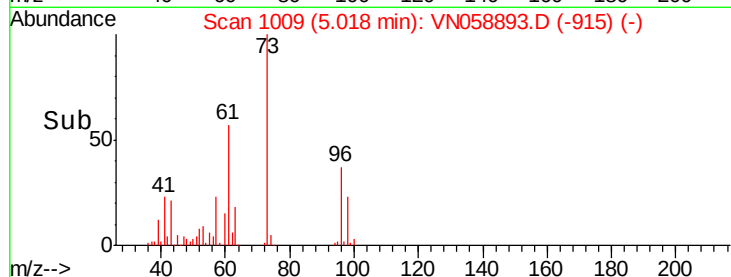
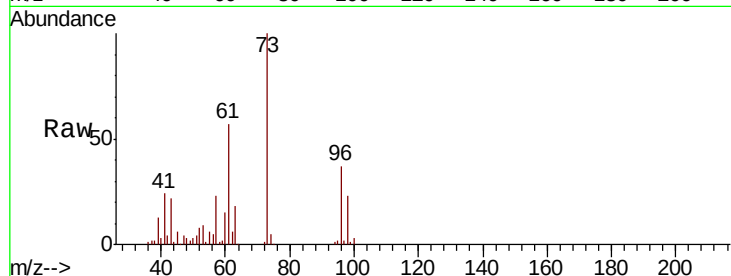




#21
trans-1,2-Dichloroethene
Concen: 19.965 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

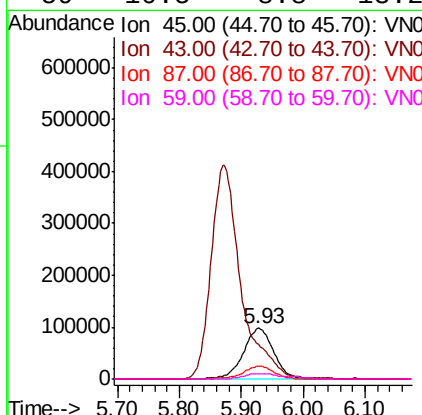
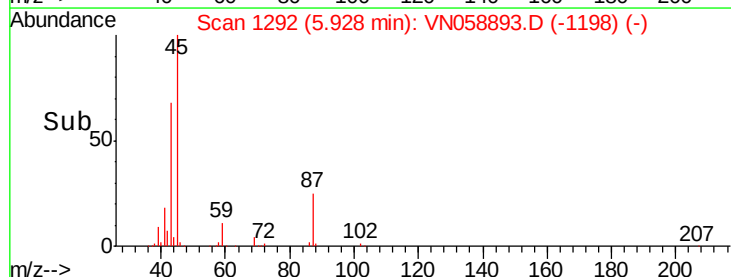
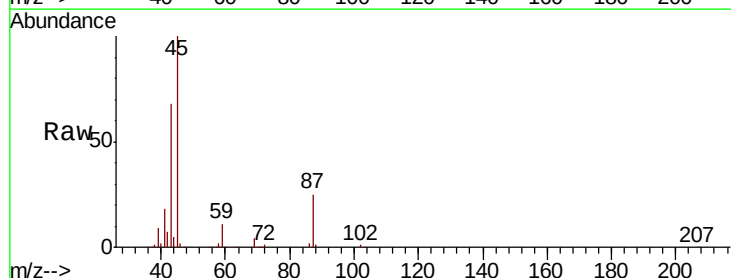
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

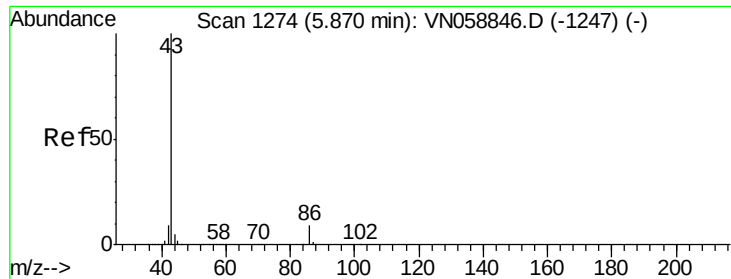
Tot Ion: 96 Resp: 91343
Ion Ratio Lower Upper
96 100
61 151.4 126.7 190.1
98 60.6 52.0 78.0



#22
Diisopropyl ether
Concen: 20.241 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 45 Resp: 331907
Ion Ratio Lower Upper
45 100
43 66.5 52.9 79.3
87 25.1 20.2 30.4
59 10.5 8.8 13.2

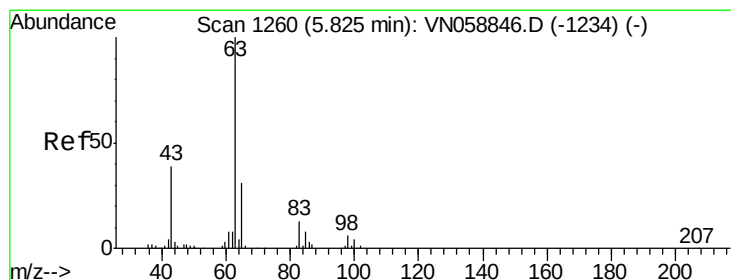
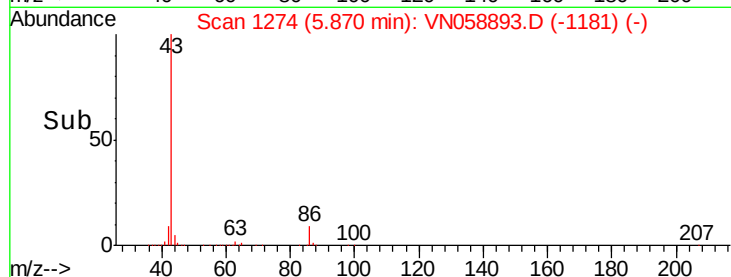
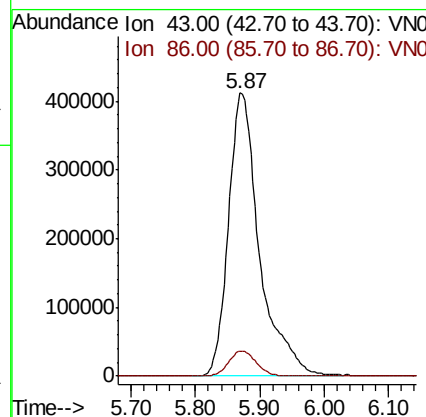
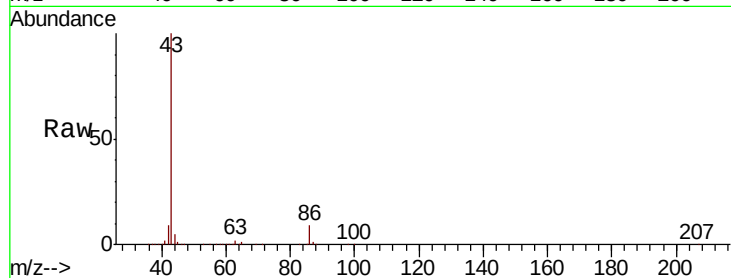




#23
 Vinyl Acetate
 Concen: 104.904 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

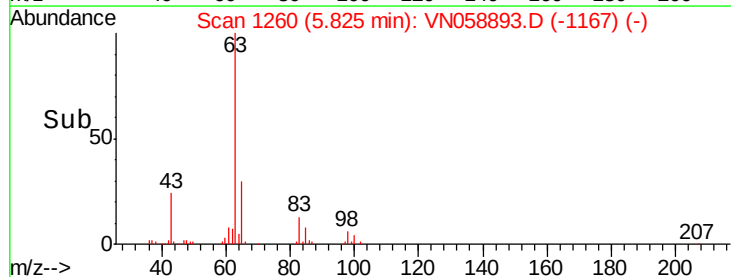
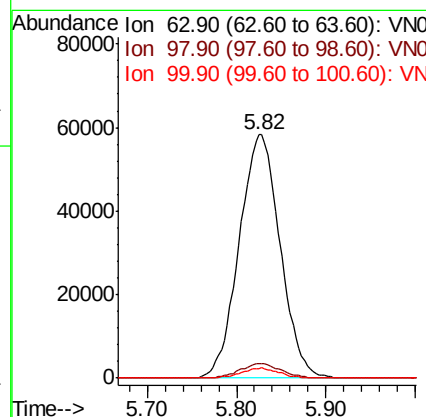
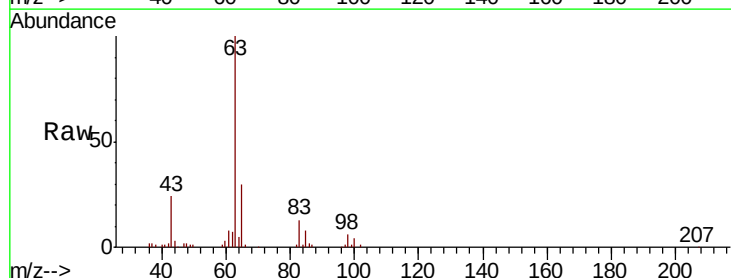
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

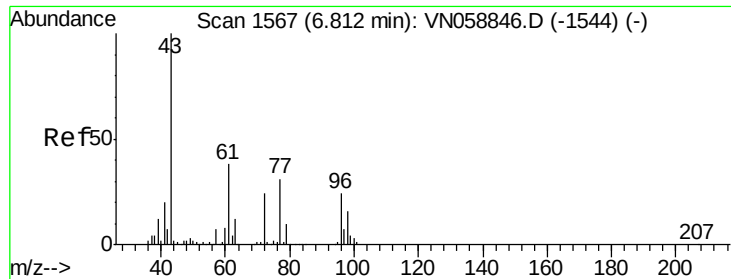
Tot Ion: 43 Resp: 1382024
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 19.499 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion: 63 Resp: 185394
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 4.1 1.9 5.7





#25

2-Butanone

Concen: 90.186 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

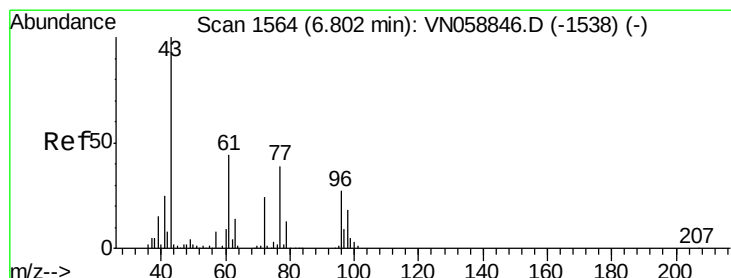
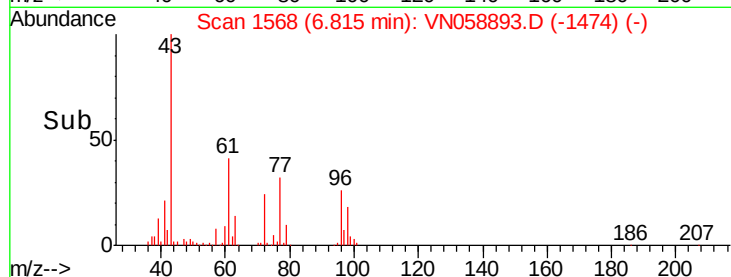
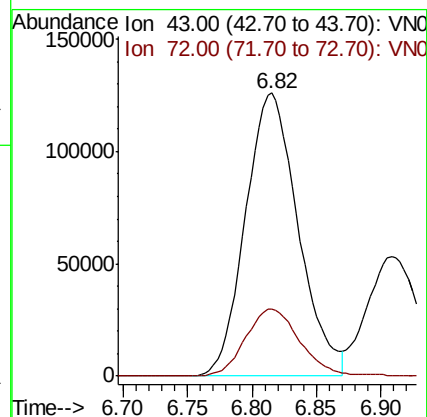
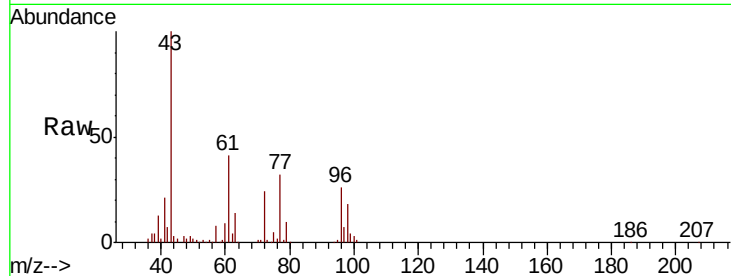
VN1021MBSD01

Tot Ion: 43 Resp: 356565

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7



#26

2,2-Dichloropropane

Concen: 18.059 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058893.D

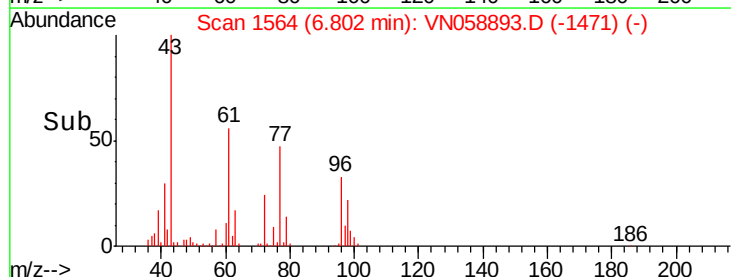
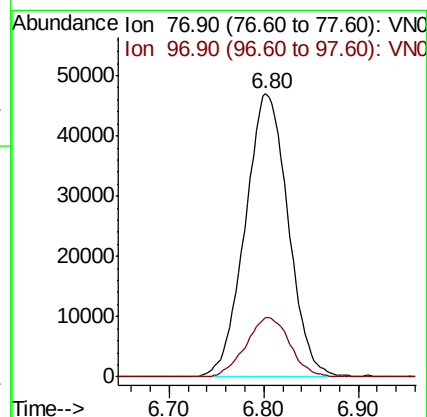
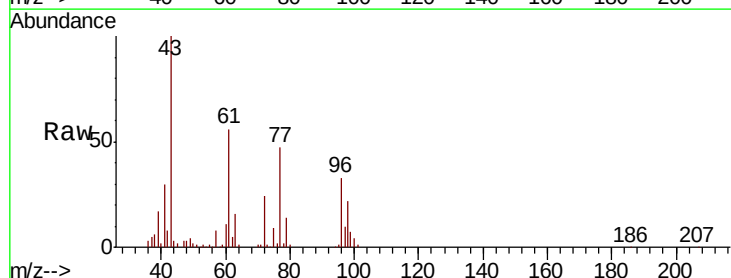
Acq: 21 Oct 2019 16:57

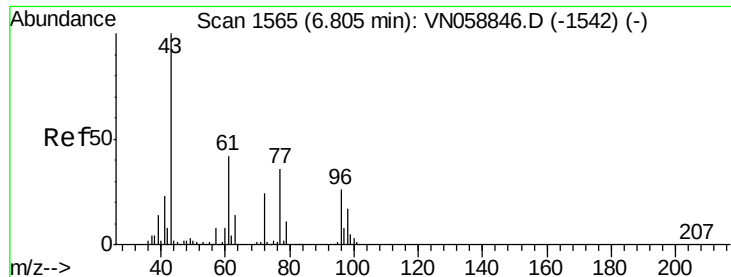
Tgt Ion: 77 Resp: 148516

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 19.509 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

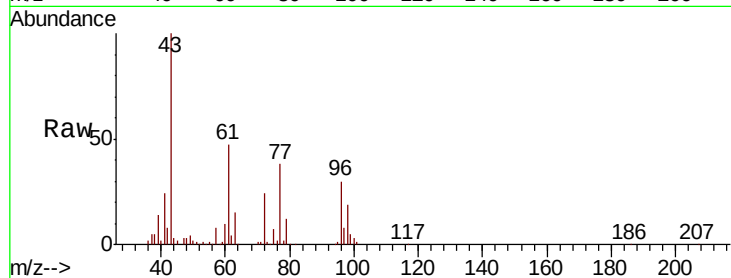
Tot Ion: 96 Resp: 101966

Ion Ratio Lower Upper

96 100

61 162.9 0.0 325.0

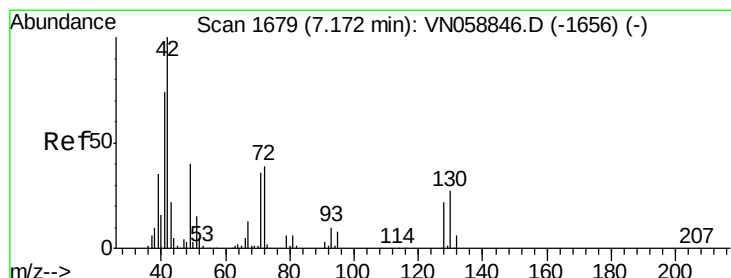
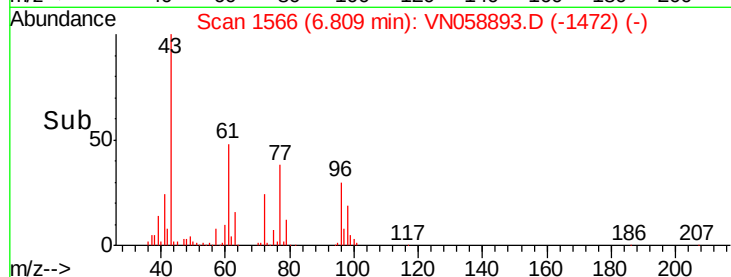
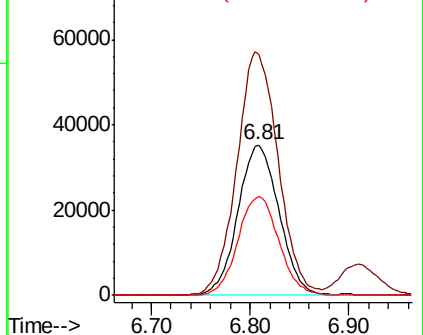
98 65.4 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058893.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058893.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058893.D (-1472) (-)



#28

Bromochloromethane

Concen: 19.171 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

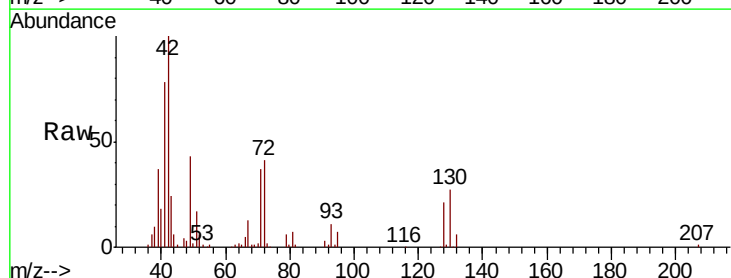
Tgt Ion: 49 Resp: 60707

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.2

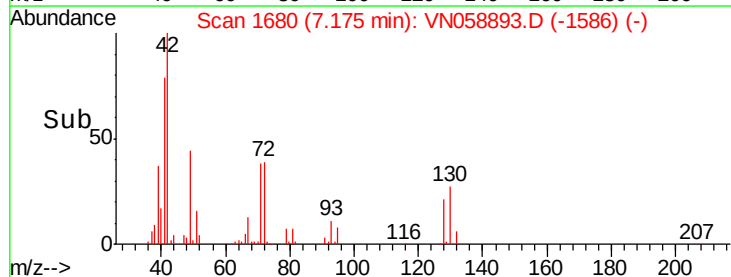
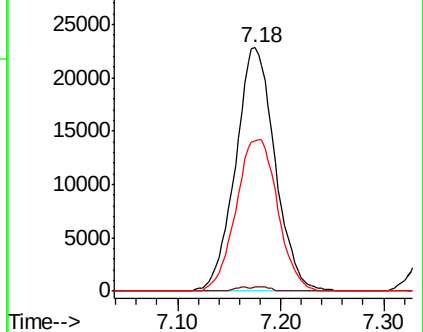
130 65.5 53.5 80.3

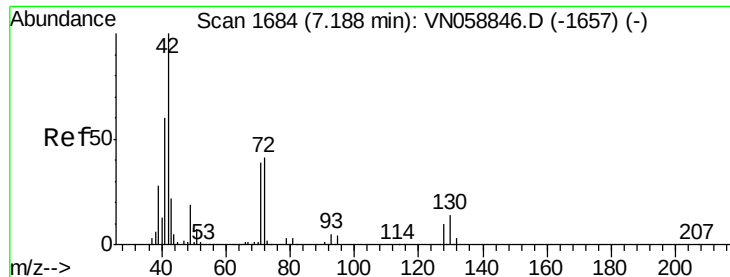


Abundance Ion 48.90 (48.60 to 49.60): VN058893.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN058893.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN058893.D (-1586) (-)

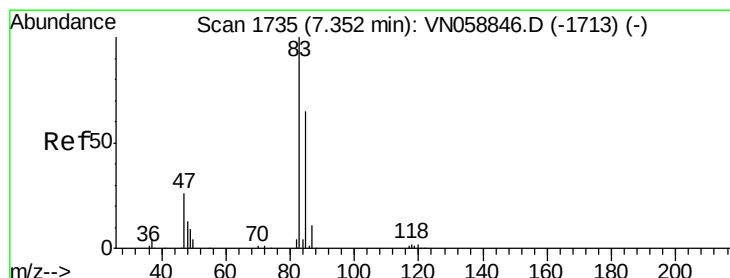
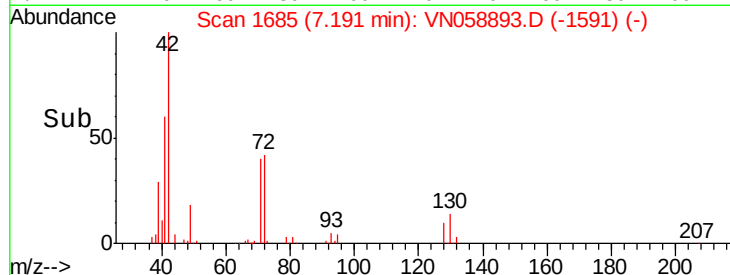
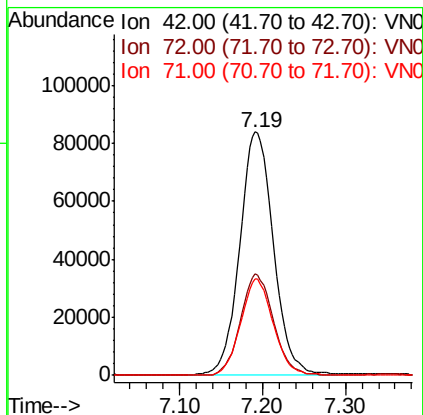
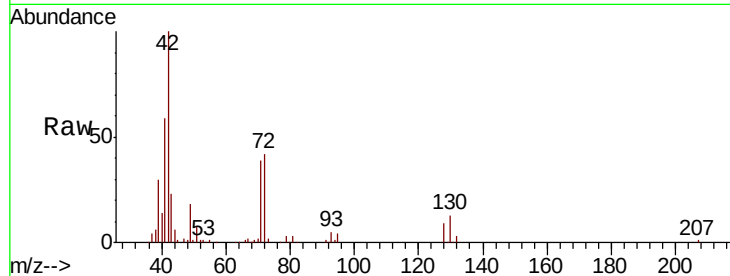




#29
Tetrahydrofuran
Concen: 97.581 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

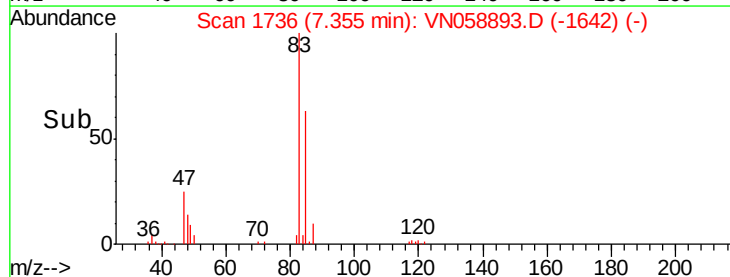
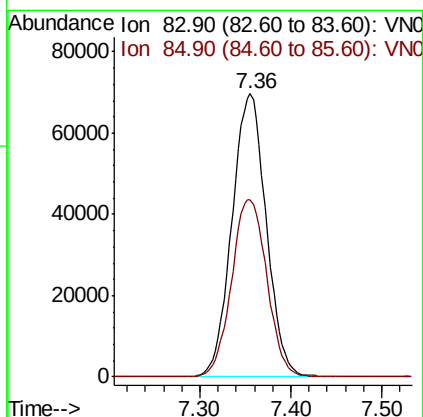
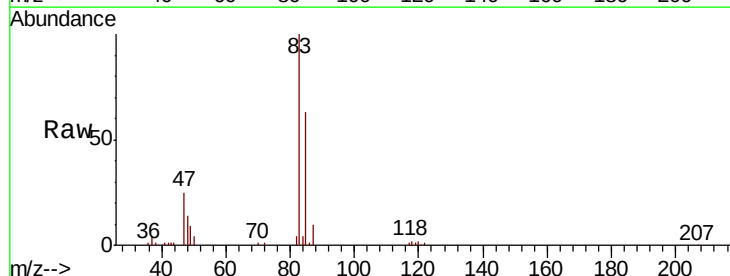
Instrument :
MSVOA_N
ClientSampled :
VN1021MBSD01

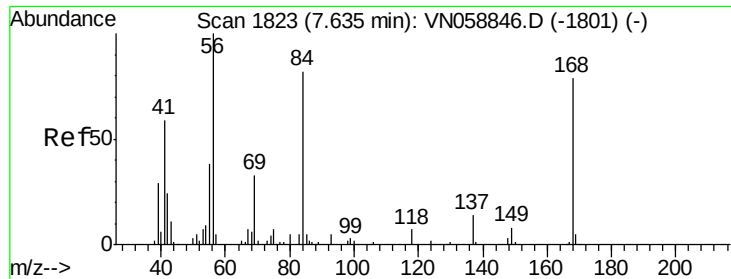
Tot Ion: 42 Resp: 236008
Ion Ratio Lower Upper
42 100
72 40.7 32.2 48.2
71 38.5 30.6 45.8



#30
Chloroform
Concen: 19.097 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 83 Resp: 182140
Ion Ratio Lower Upper
83 100
85 62.6 51.9 77.9

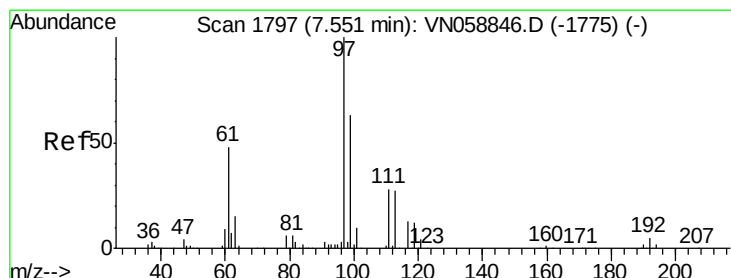
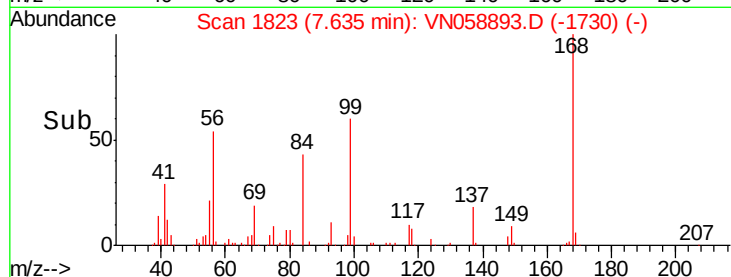
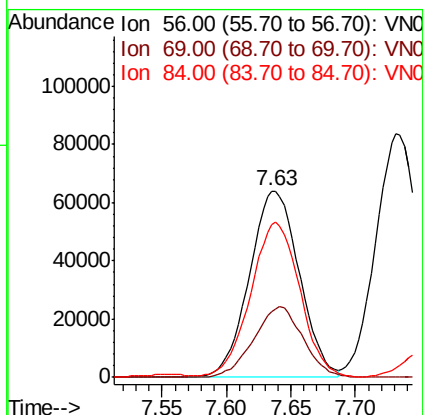
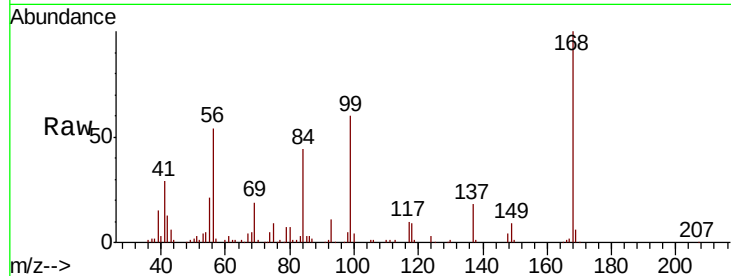




#31
Cyclohexane
Concen: 19.475 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

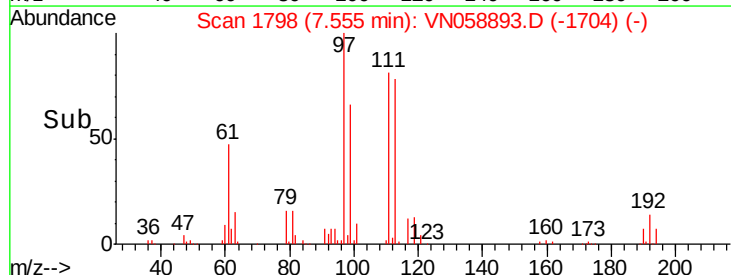
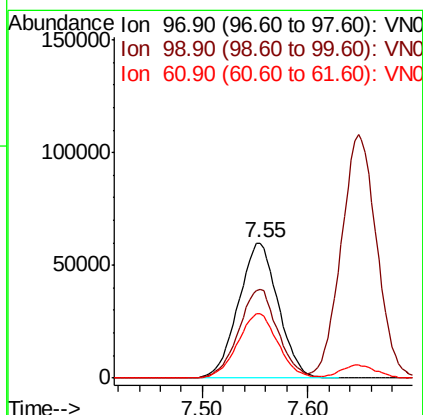
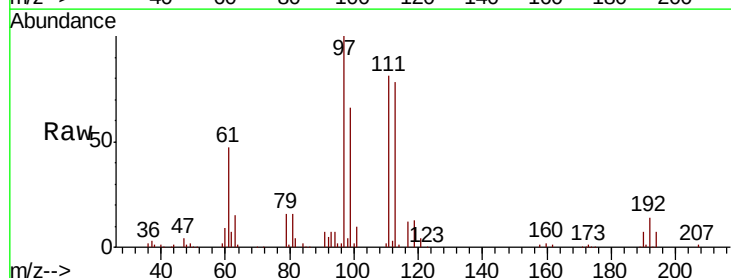
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

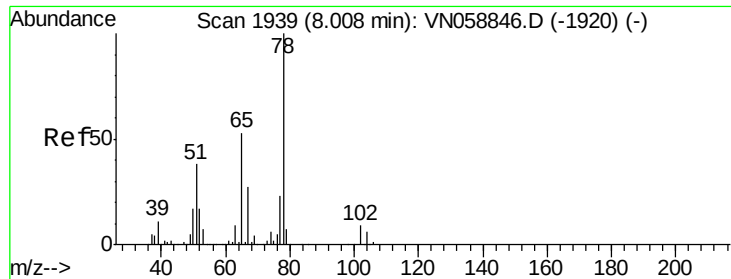
Tot Ion: 56 Resp: 172505
Ion Ratio Lower Upper
56 100
69 35.2 26.2 39.4
84 80.9 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 19.604 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 97 Resp: 157599
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 47.9 38.6 58.0

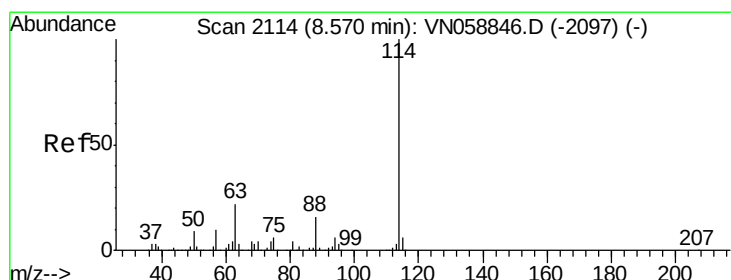
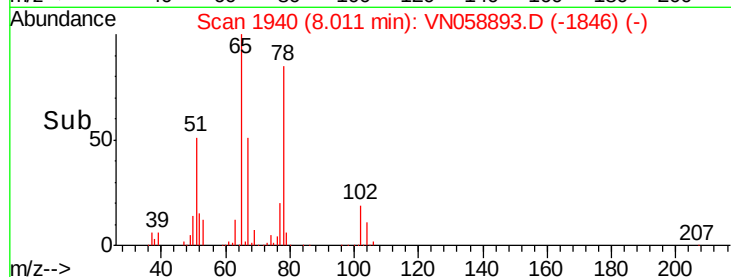
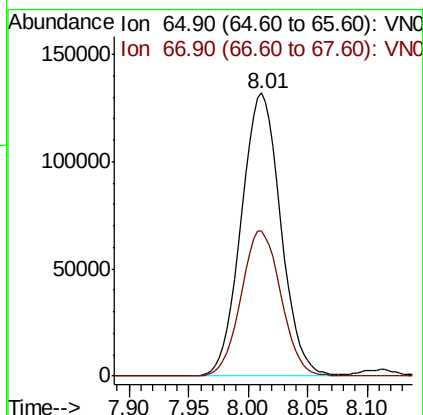
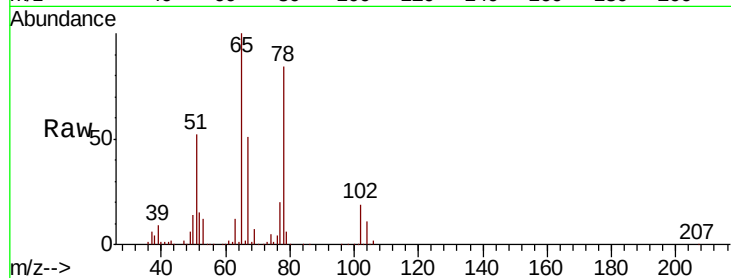




#33
 1,2-Dichloroethane-d4
 Concen: 49.282 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

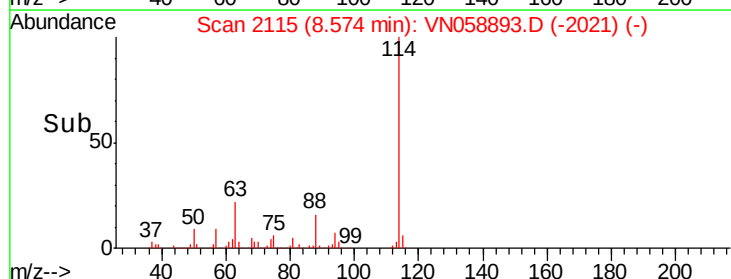
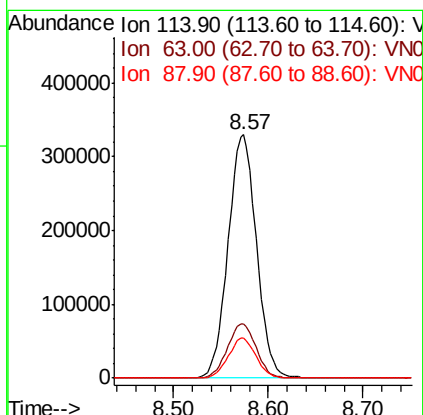
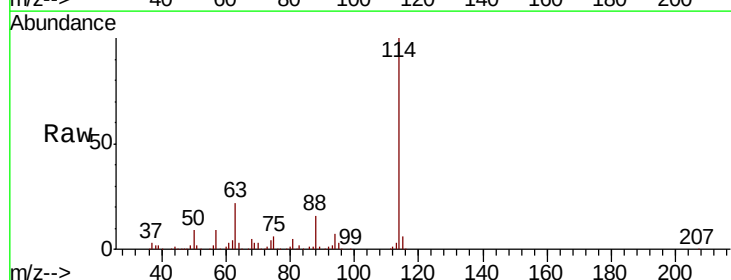
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

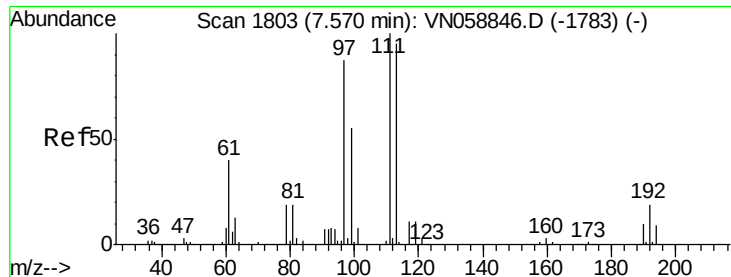
Tot Ion: 65 Resp: 303759
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion: 114 Resp: 688074
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.4
 88 16.3 0.0 31.4

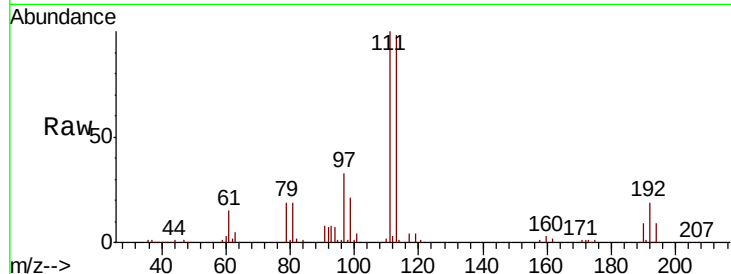




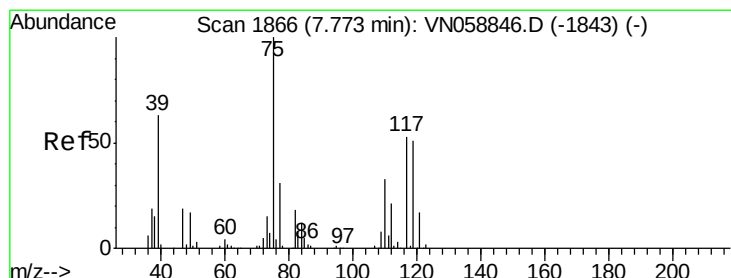
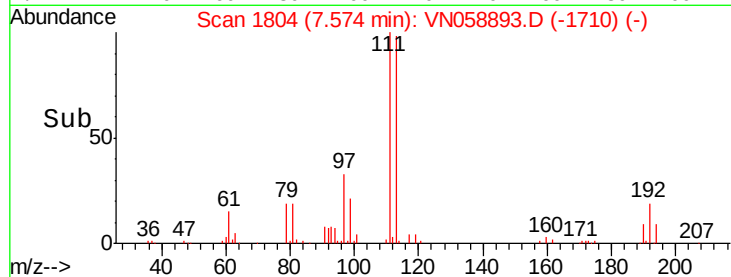
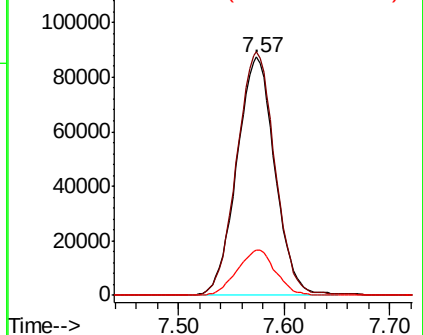
#35
 Dibromofluoromethane
 Concen: 48.388 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	19.1	15.0	22.6

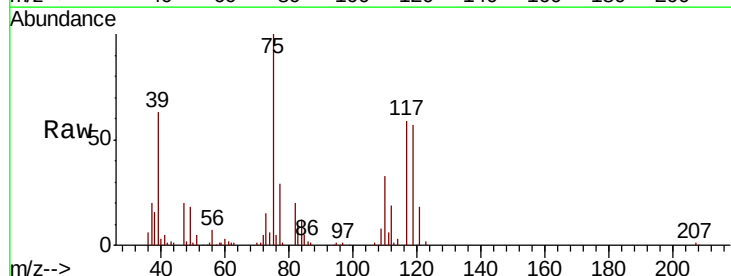


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

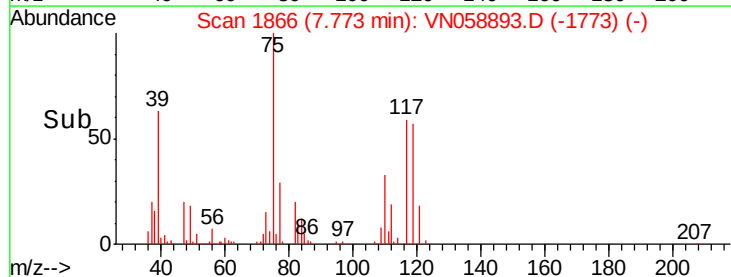
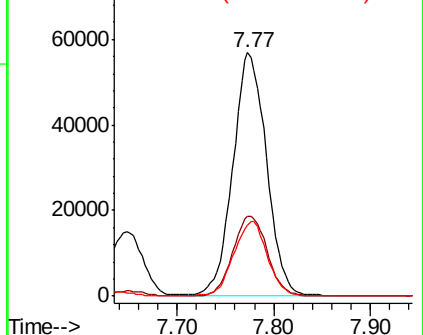


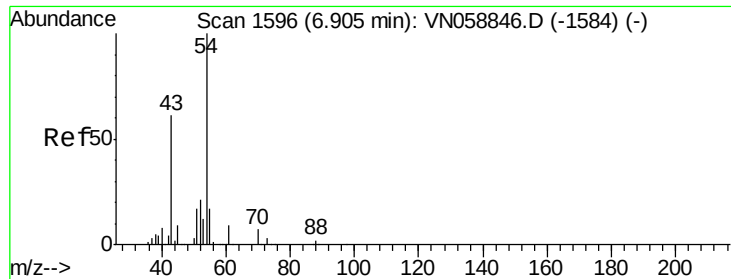
#36
 1,1-Dichloropropene
 Concen: 19.558 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.3	48.9
77	30.5	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

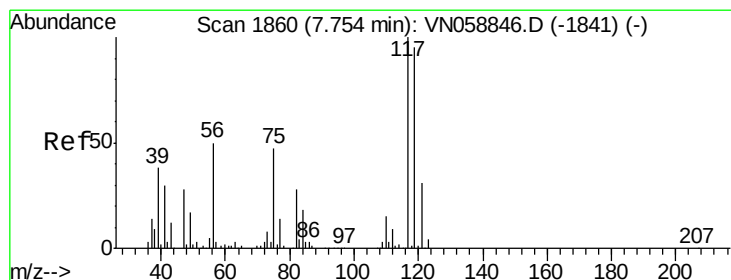
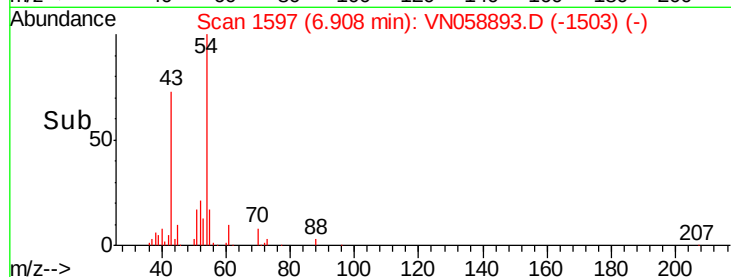
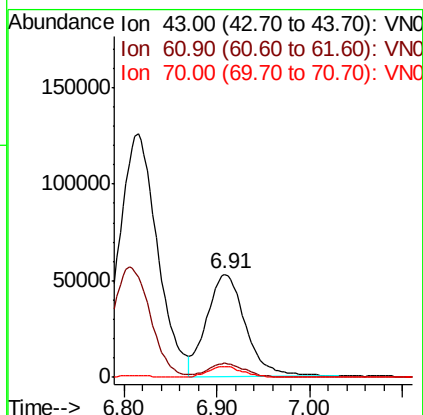
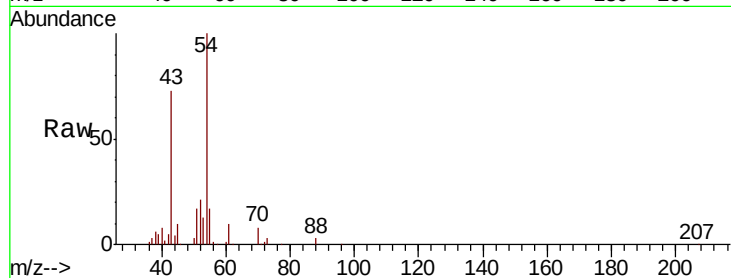




#37
Ethyl Acetate
Concen: 19.907 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

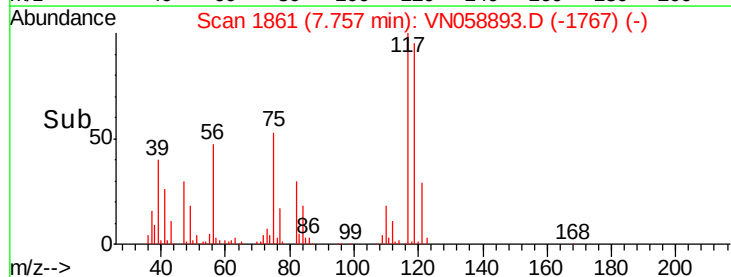
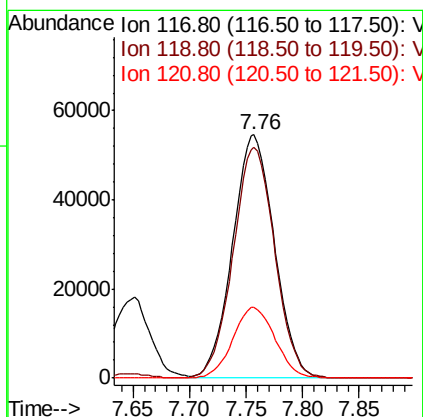
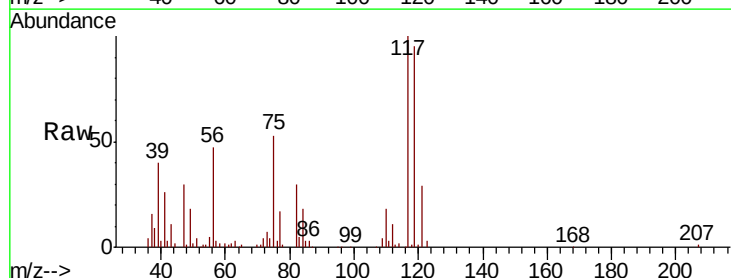
Instrument :
MSVOA_N
ClientSampled :
VN1021MBSD01

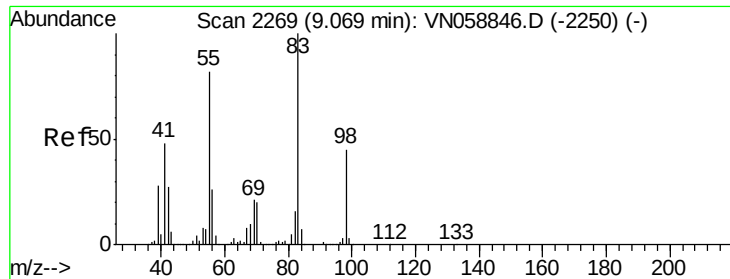
Tot Ion: 43 Resp: 152798
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.316 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 117 Resp: 140182
Ion Ratio Lower Upper
117 100
119 94.9 75.7 113.5
121 29.1 25.0 37.6

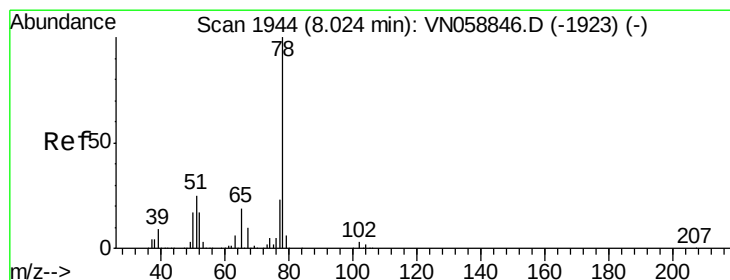
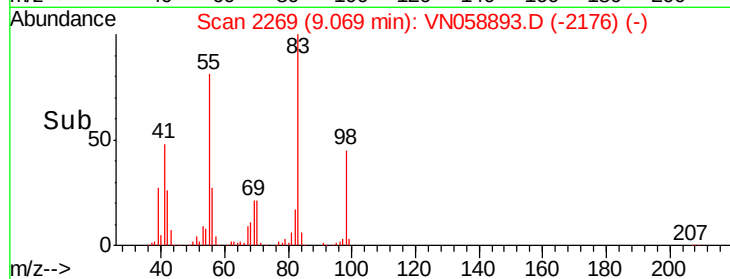
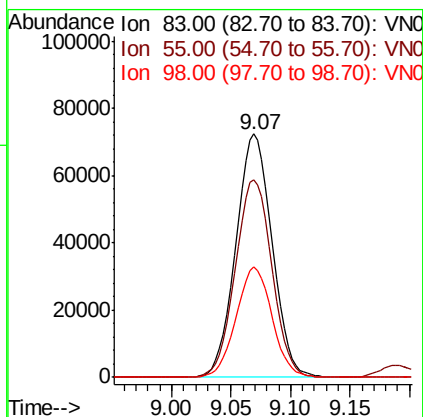
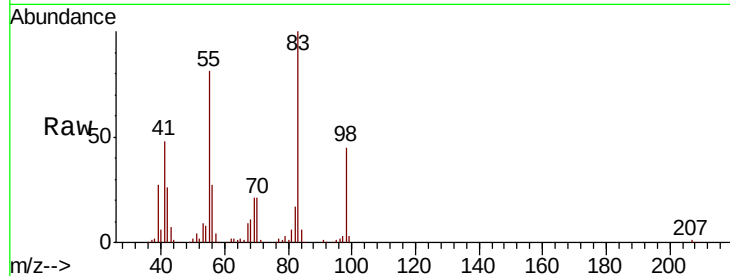




#39
Methylvlcyclohexane
Concen: 19.269 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

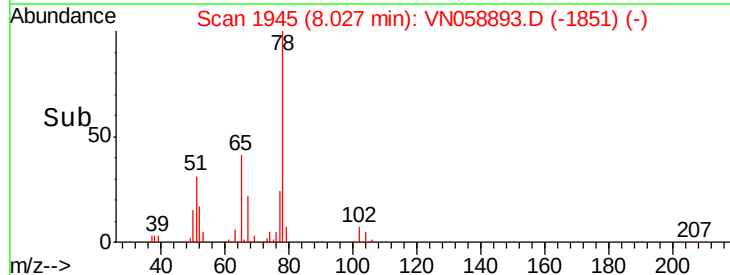
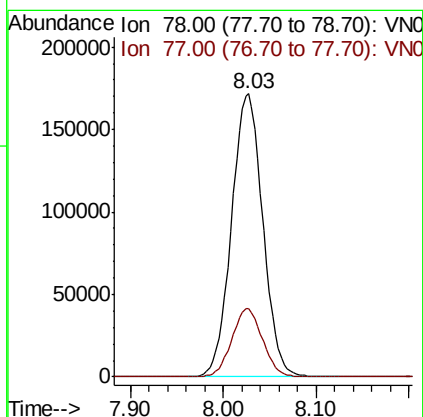
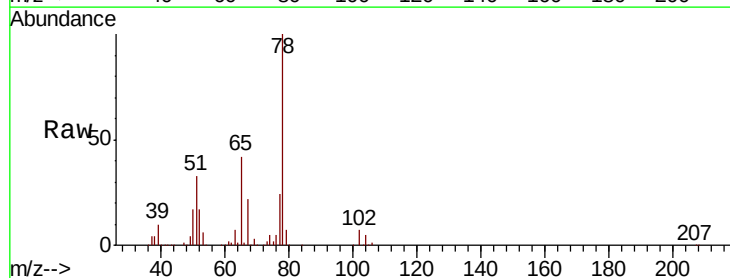
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

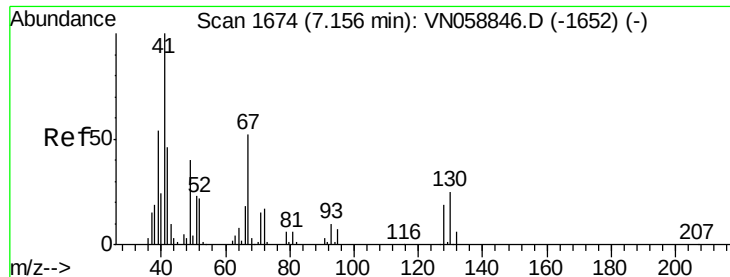
Tot Ion: 83 Resp: 152413
Ion Ratio Lower Upper
83 100
55 81.0 65.5 98.3
98 45.3 35.7 53.5



#40
Benzene
Concen: 19.411 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 78 Resp: 401536
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2

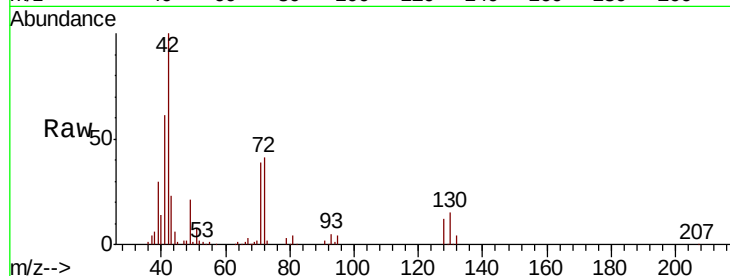




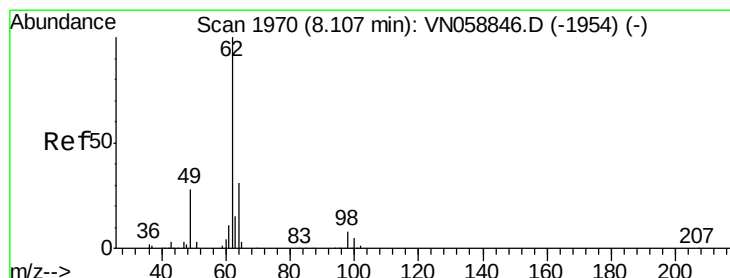
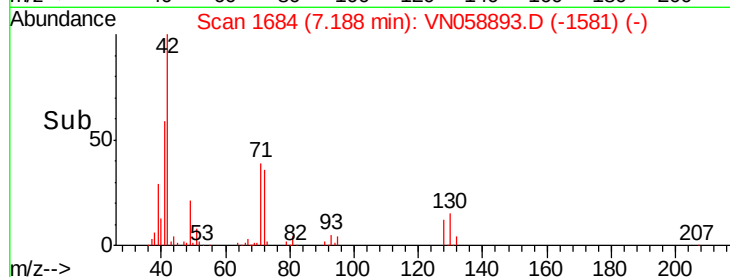
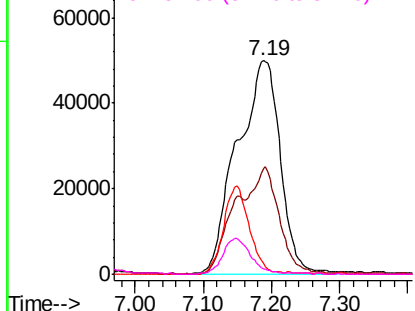
#41
Methacrylonitrile
Concen: 64.136 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion:	41	Resp:	219256
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

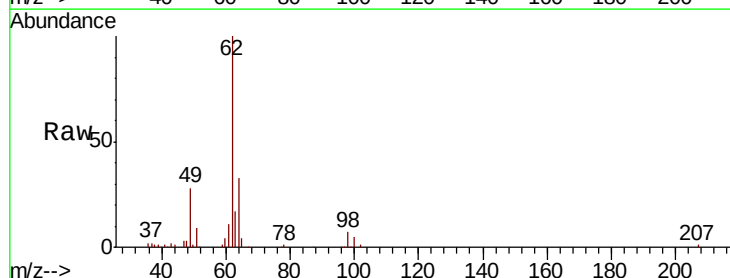


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

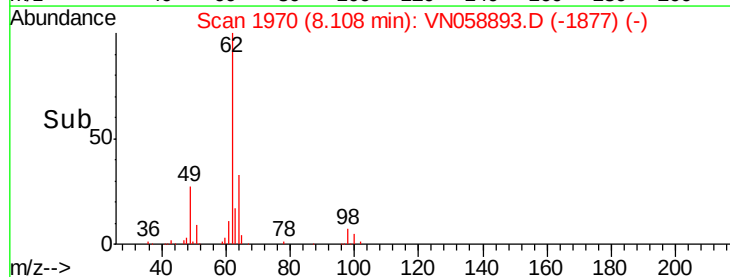
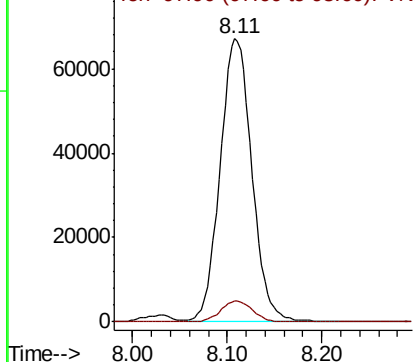


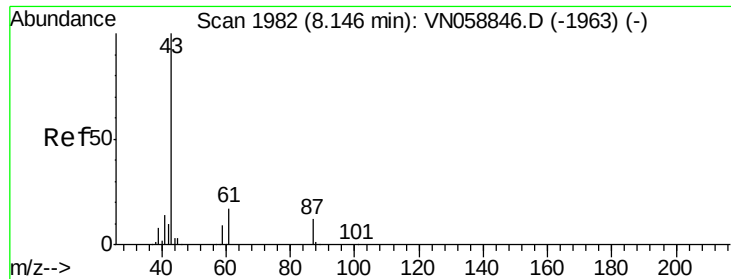
#42
1,2-Dichloroethane
Concen: 19.669 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion:	62	Resp:	156728
Ion	Ratio	Lower	Upper
62	100		
98	7.4	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: 19.256 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

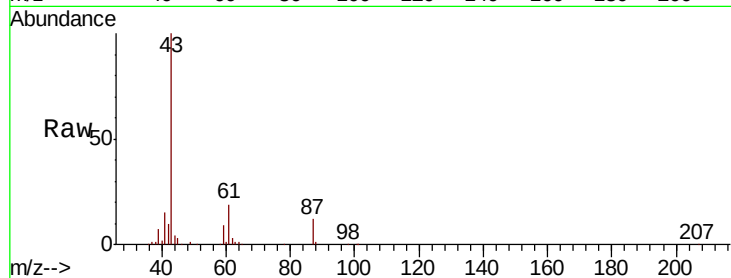
Tot Ion: 43 Resp: 237050

Ion Ratio Lower Upper

43 100

61 19.5 20.2 30.2#

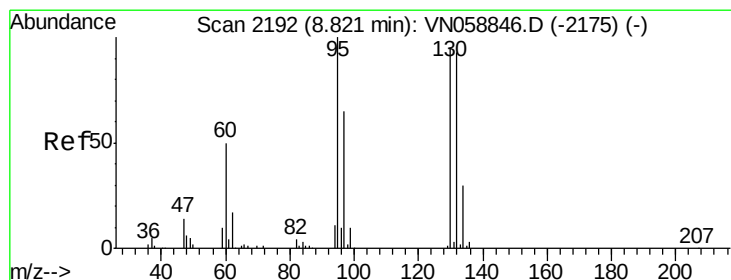
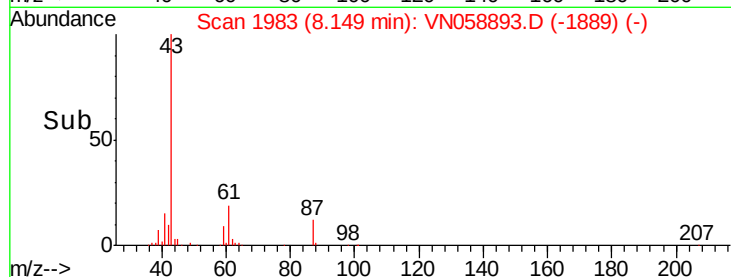
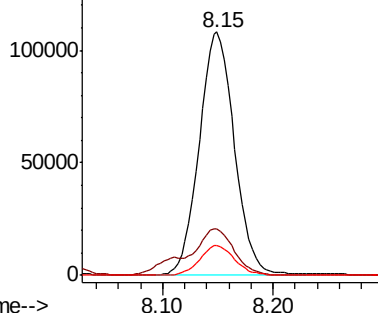
87 12.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



#44

Trichloroethene

Concen: 19.319 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058893.D

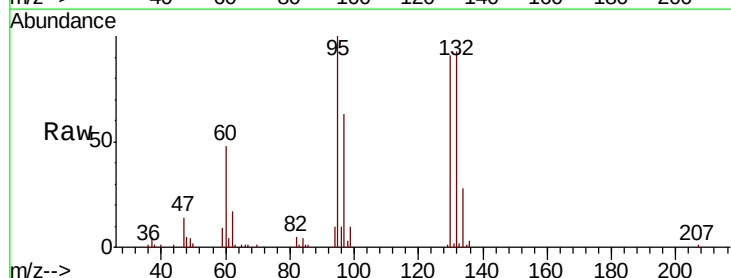
Acq: 21 Oct 2019 16:57

Tgt Ion:130 Resp: 97350

Ion Ratio Lower Upper

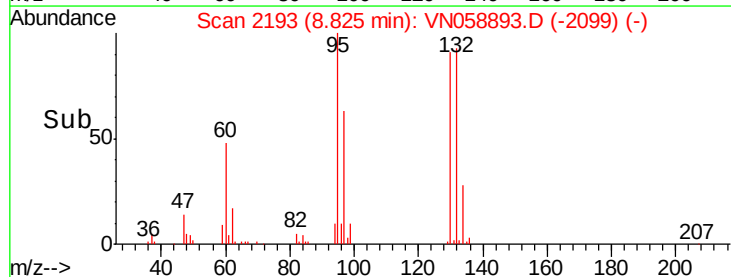
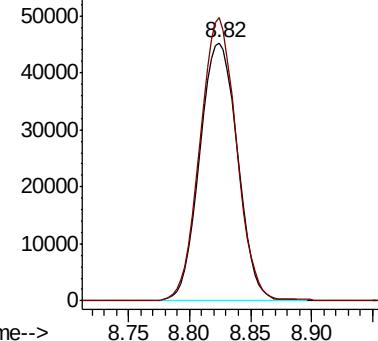
130 100

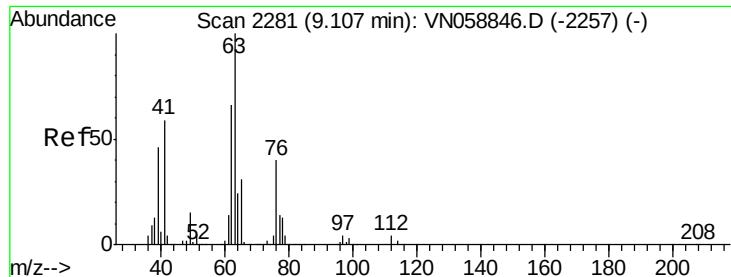
95 109.7 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 19.393 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

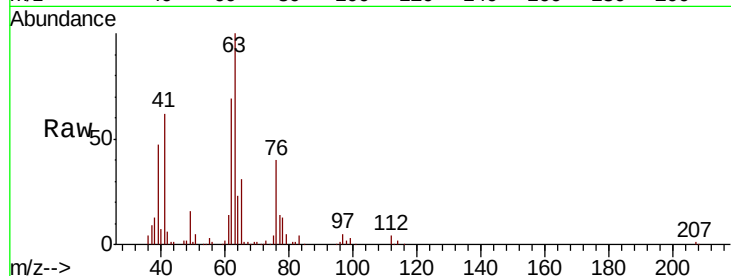
VN1021MBSD01

Tot Ion: 63 Resp: 110005

Ion Ratio Lower Upper

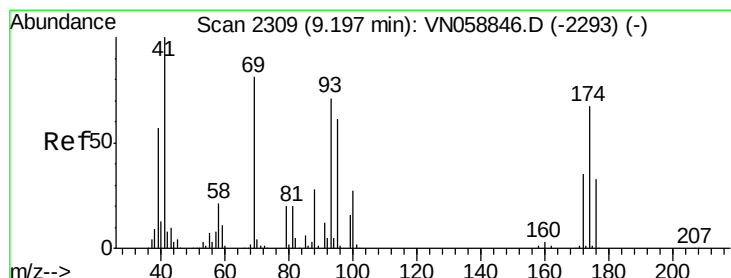
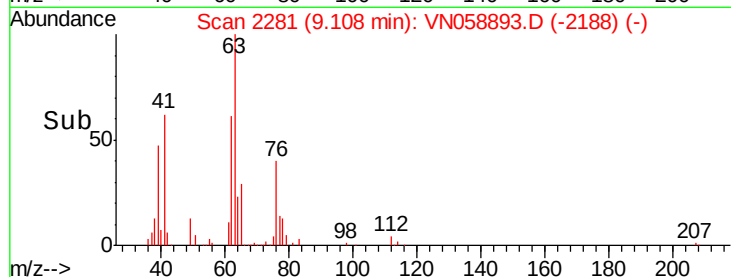
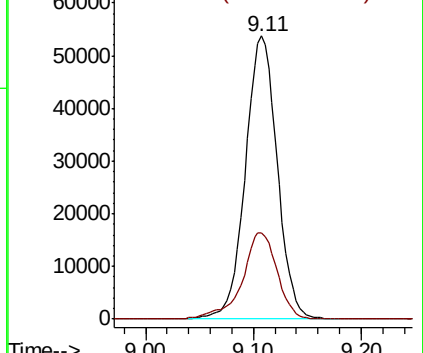
63 100

65 30.5 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.679 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

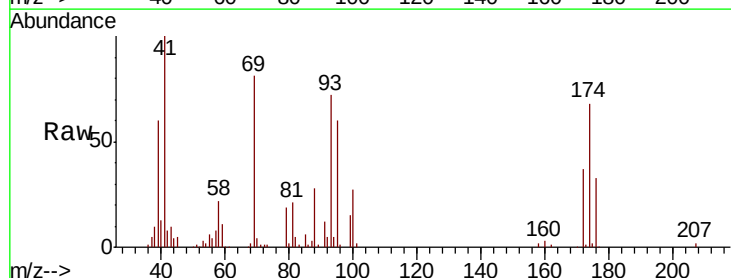
Tgt Ion: 93 Resp: 70569

Ion Ratio Lower Upper

93 100

95 80.2 67.6 101.4

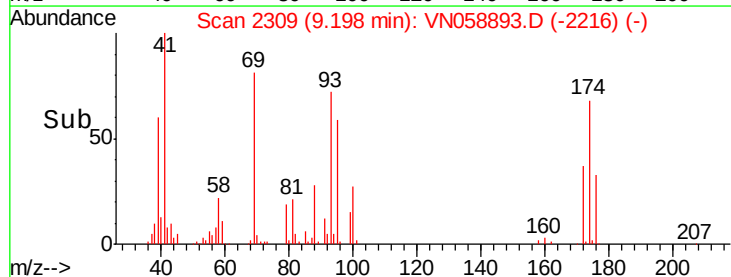
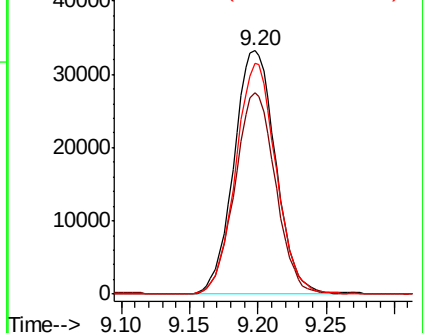
174 91.6 74.1 111.1

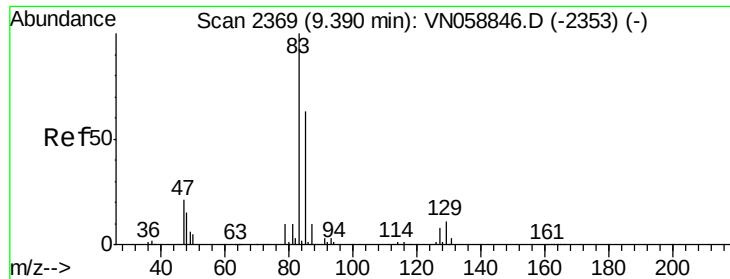


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

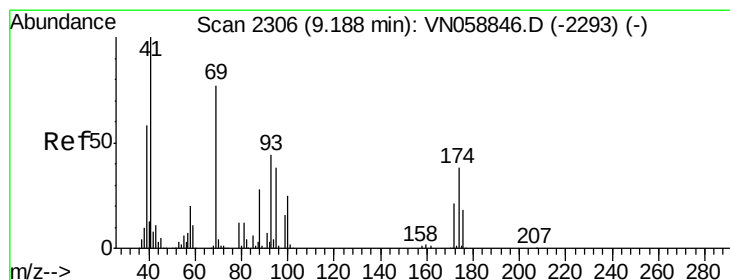
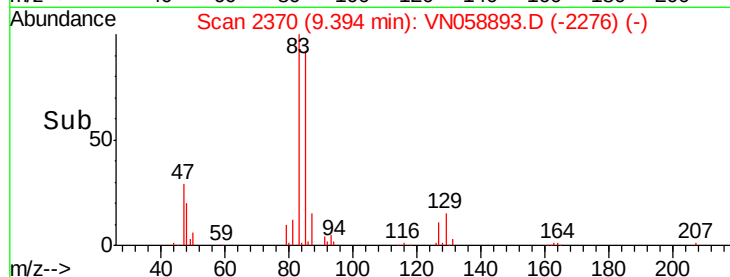
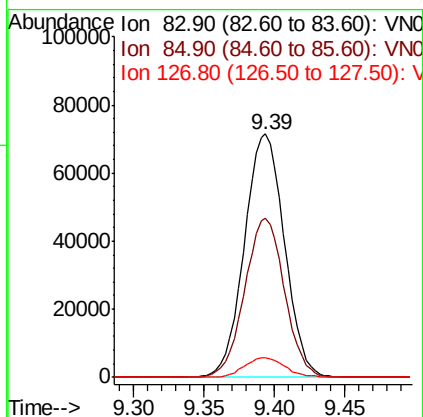
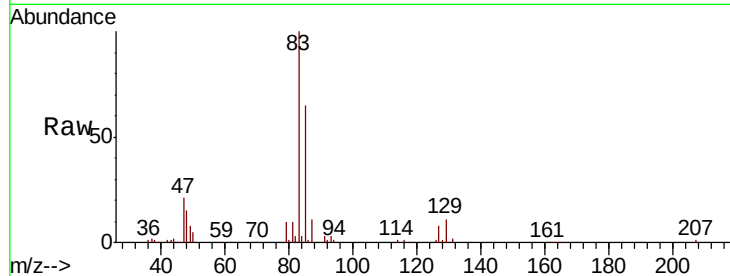




#47
Bromodichloromethane
Concen: 19.234 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

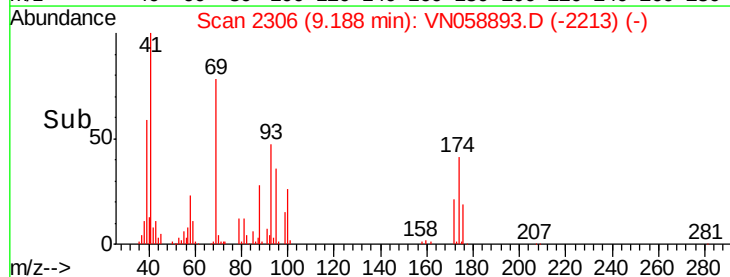
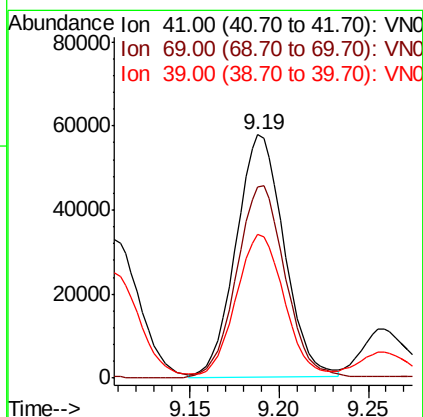
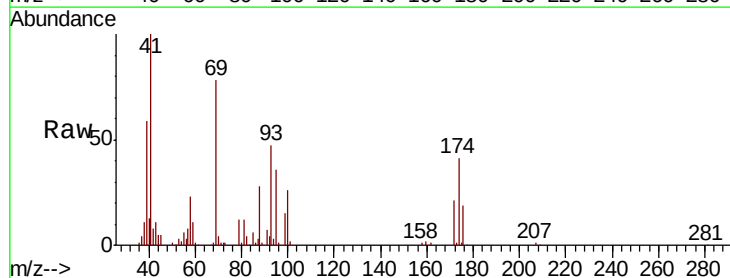
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

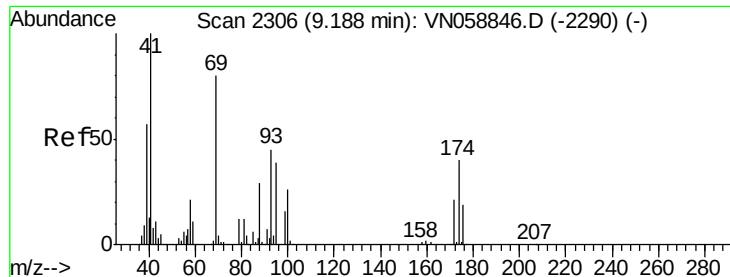
Tot Ion: 83 Resp: 142153
Ion Ratio Lower Upper
83 100
85 65.3 50.6 75.8
127 7.8 6.5 9.7



#48
Methyl methacrylate
Concen: 19.521 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 41 Resp: 109030
Ion Ratio Lower Upper
41 100
69 80.6 63.8 95.6
39 59.1 47.8 71.8





#49

1,4-Dioxane

Concen: 375.209 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

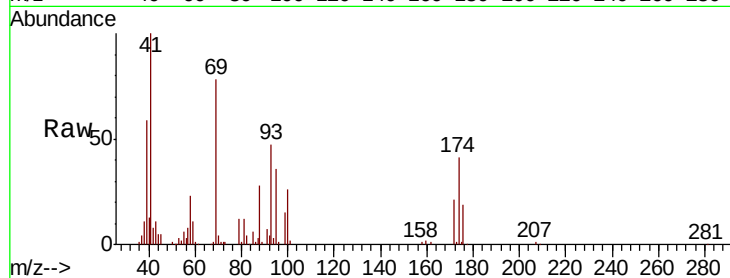
Tot Ion: 88 Resp: 34401

Ion Ratio Lower Upper

88 100

43 37.8 29.1 43.7

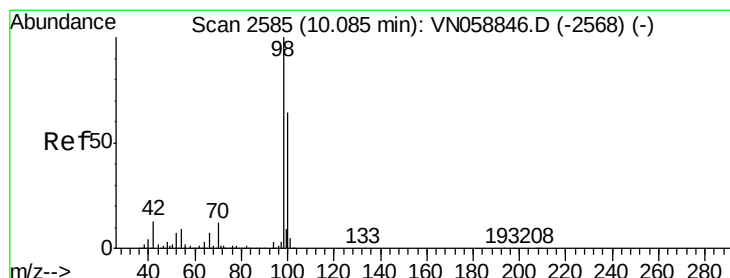
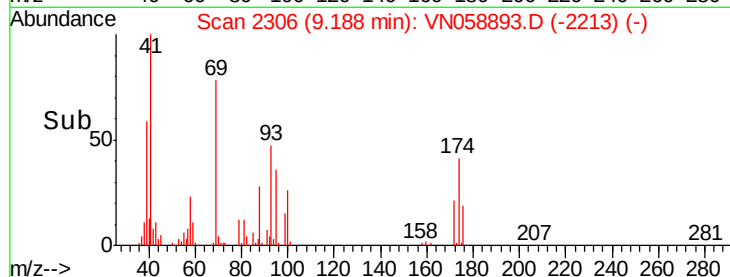
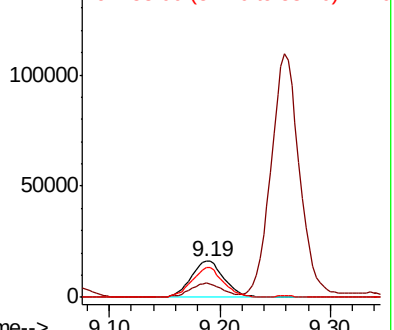
58 76.6 59.4 89.0



Abundance Ion 88.00 (87.70 to 88.70): VN058893.D (-2213) (-)

Ion 43.00 (42.70 to 43.70): VN058893.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN058893.D (-2213) (-)



#50

Toluene-d8

Concen: 48.274 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058893.D

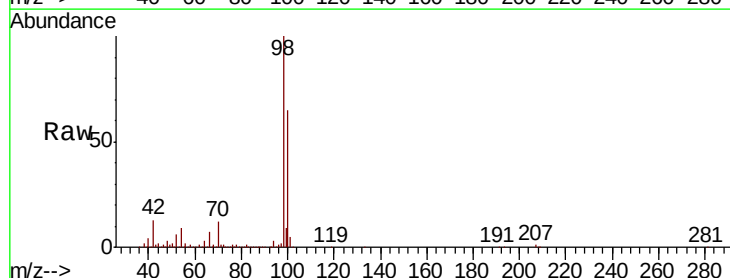
Acq: 21 Oct 2019 16:57

Tgt Ion: 98 Resp: 847753

Ion Ratio Lower Upper

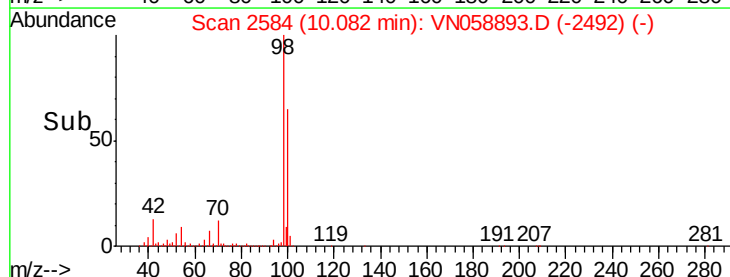
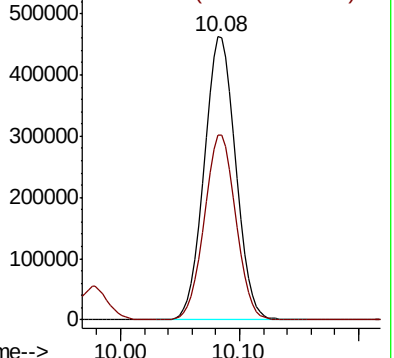
98 100

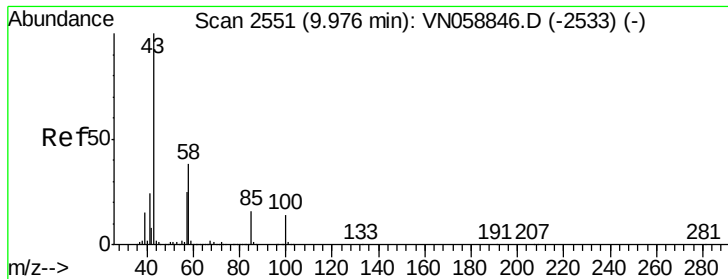
100 65.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058893.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058893.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.512 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

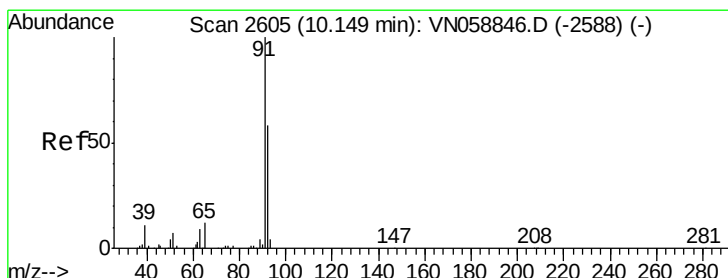
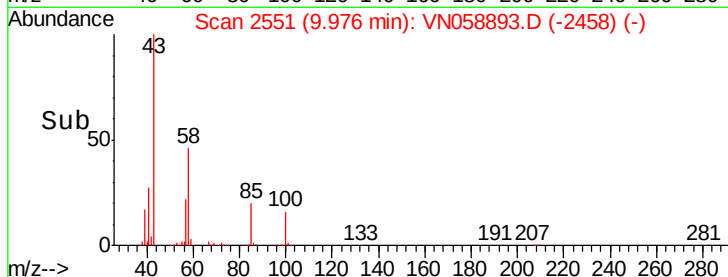
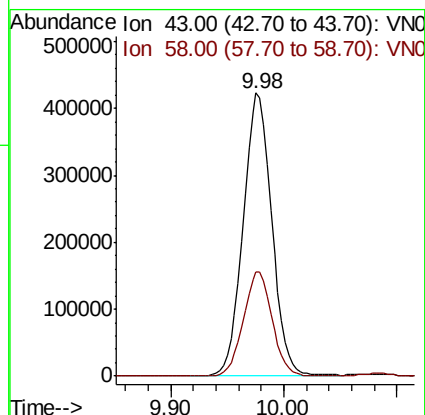
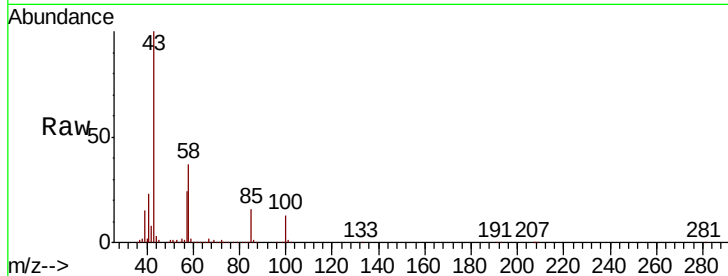
VN1021MBSD01

Tot Ion: 43 Resp: 744285

Ion Ratio Lower Upper

43 100

58 37.0 29.9 44.9



#52

Toluene

Concen: 19.933 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058893.D

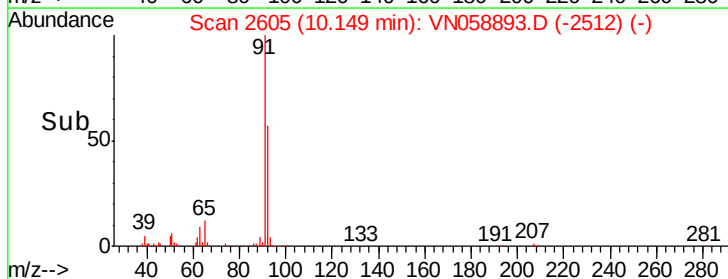
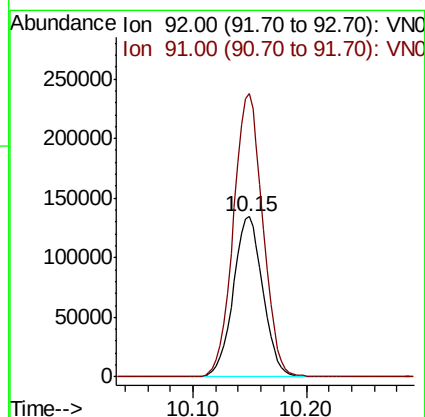
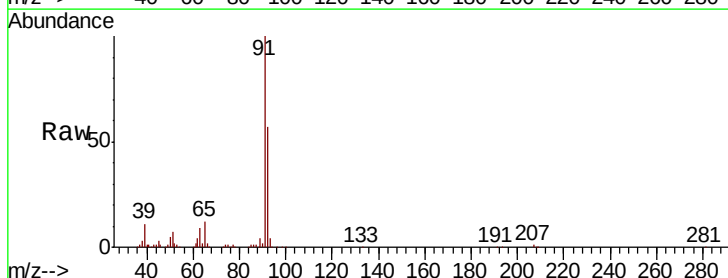
Acq: 21 Oct 2019 16:57

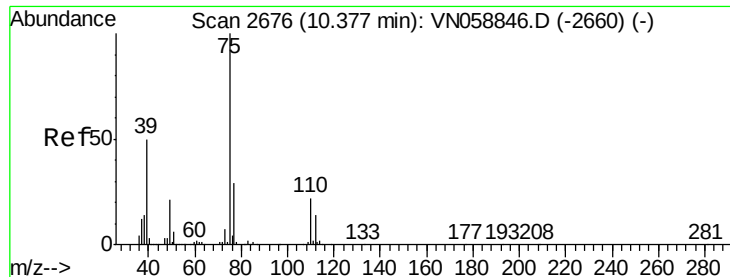
Tgt Ion: 92 Resp: 244518

Ion Ratio Lower Upper

92 100

91 176.0 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.200 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

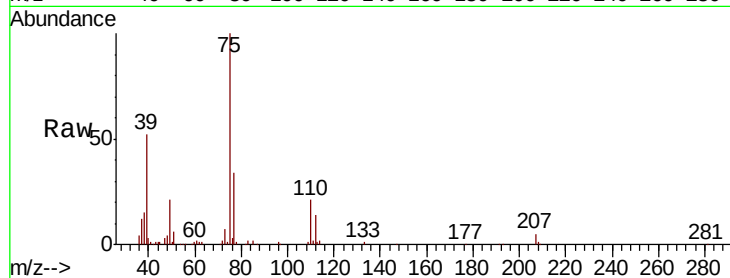
VN1021MBSD01

Tot Ion: 75 Resp: 157088

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

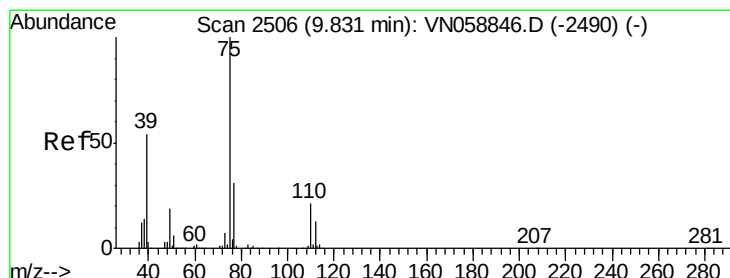
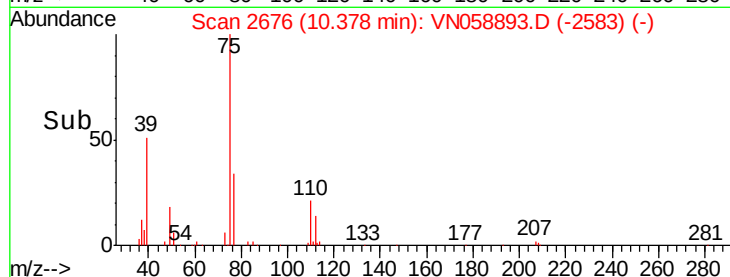
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.152 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

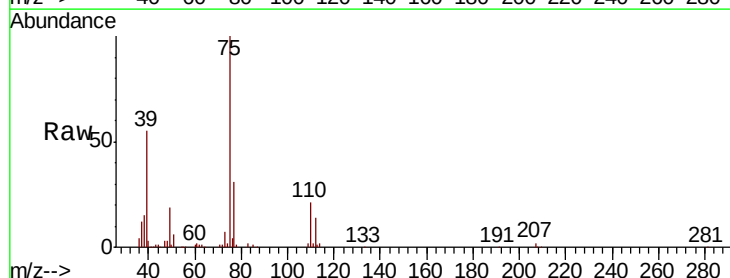
Tgt Ion: 75 Resp: 167415

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 54.7 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

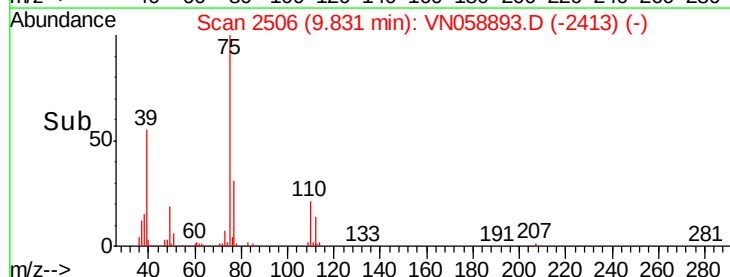
60000

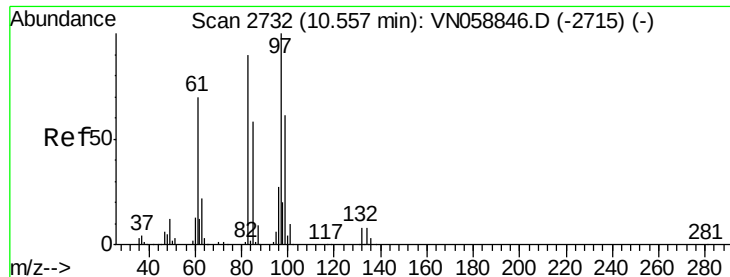
40000

20000

0

Time-->

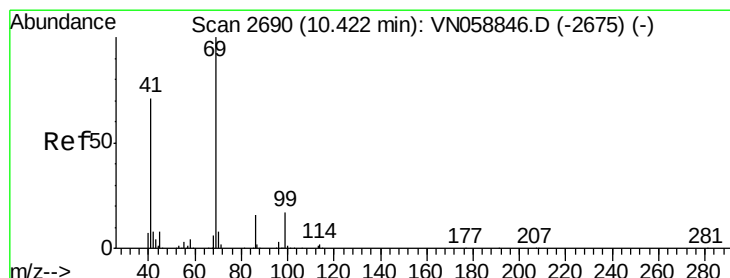
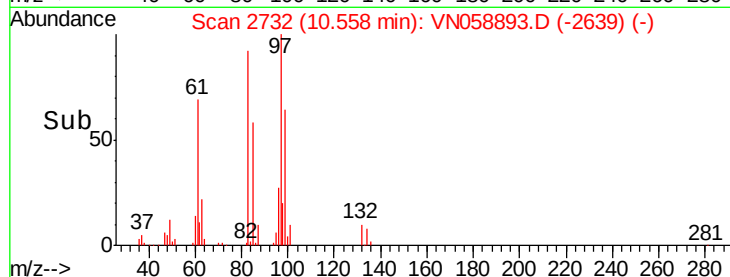
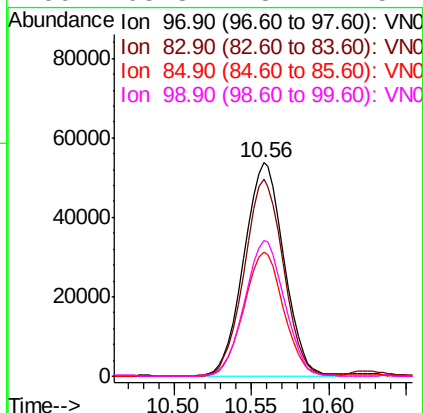
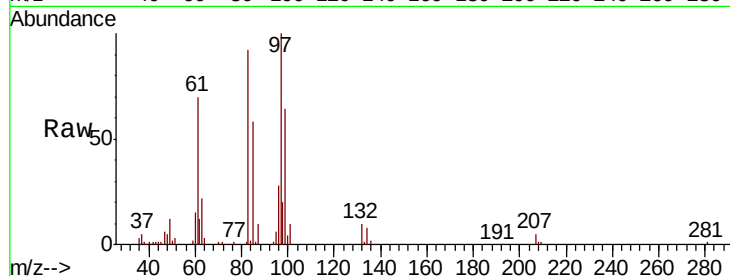




#55
 1,1,2-Trichloroethane
 Concen: 19.197 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

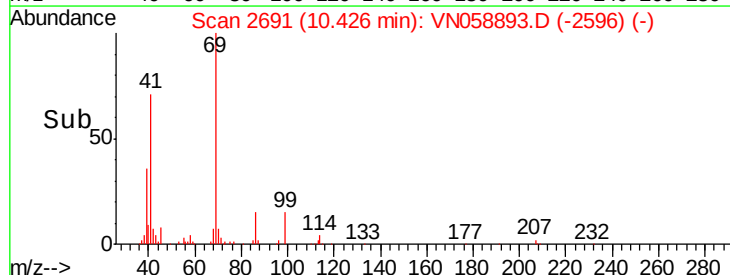
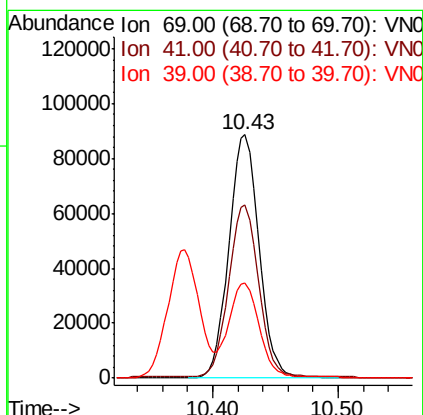
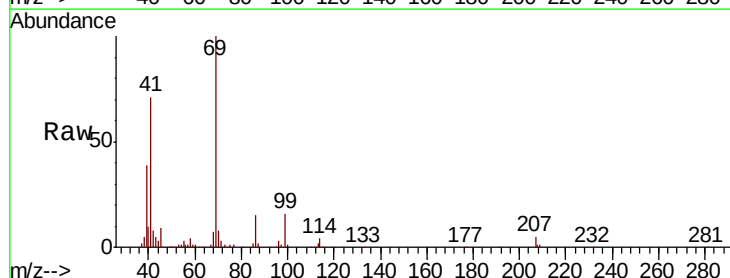
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

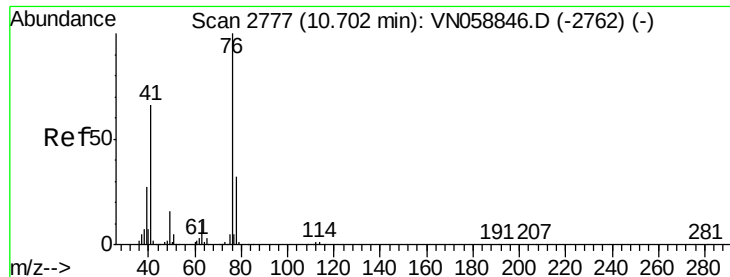
Tot Ion: 97 Resp: 97013
 Ion Ratio Lower Upper
 97 100
 83 92.3 72.2 108.4
 85 58.1 46.2 69.2
 99 63.8 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 18.821 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion: 69 Resp: 148177
 Ion Ratio Lower Upper
 69 100
 41 70.1 57.2 85.8
 39 38.4 31.0 46.4





#57

1,3-Dichloropropane

Concen: 19.336 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

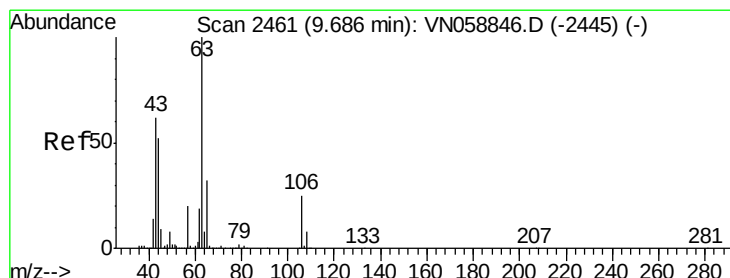
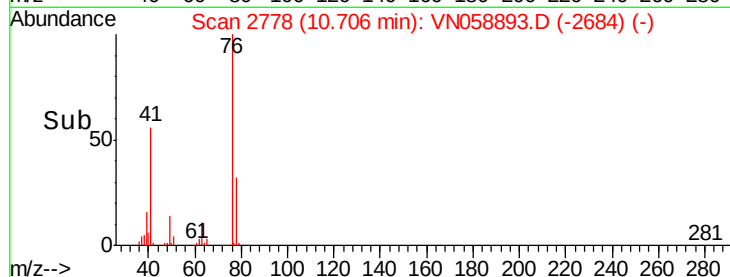
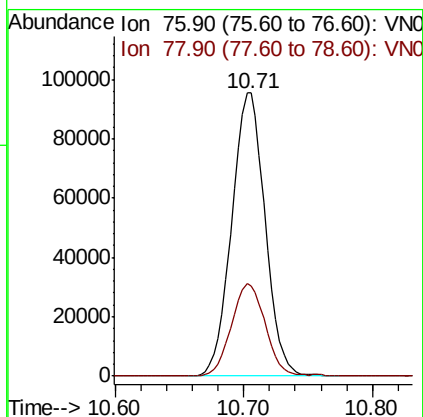
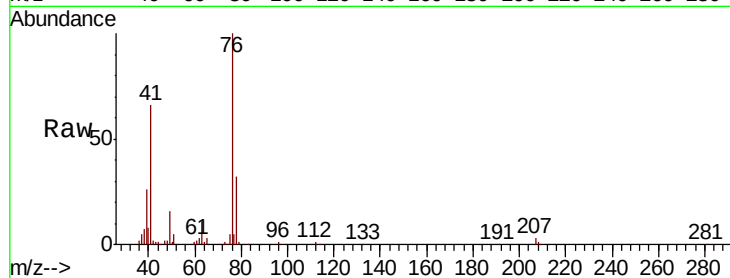
VN1021MBSD01

Tot Ion: 76 Resp: 171502

Ion Ratio Lower Upper

76 100

78 33.2 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 91.302 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058893.D

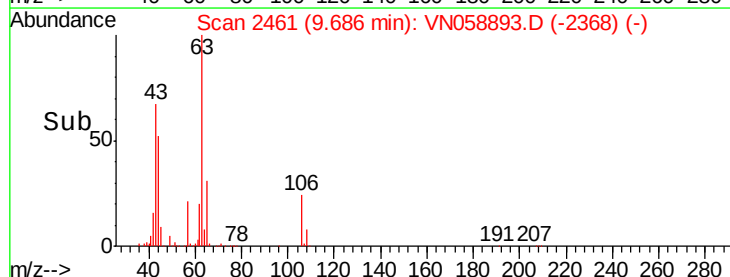
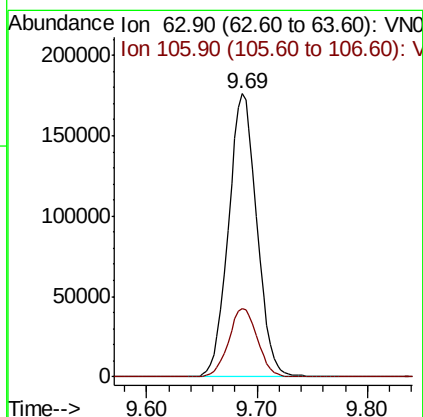
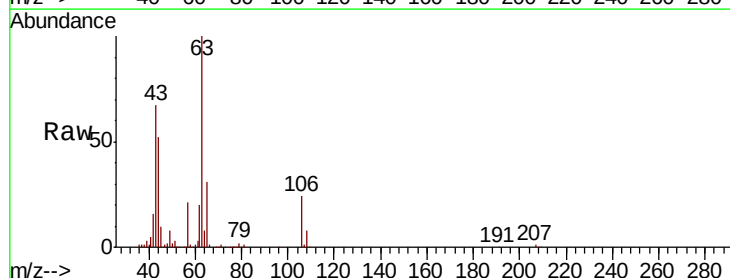
Acq: 21 Oct 2019 16:57

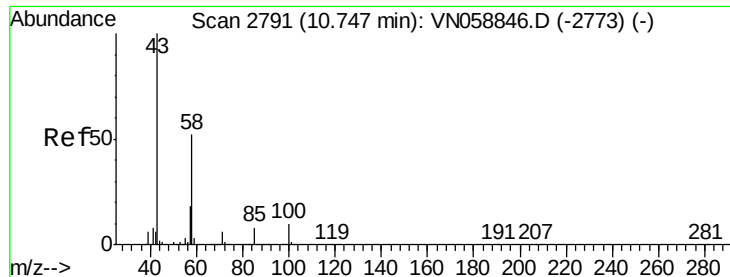
Tgt Ion: 63 Resp: 314090

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8

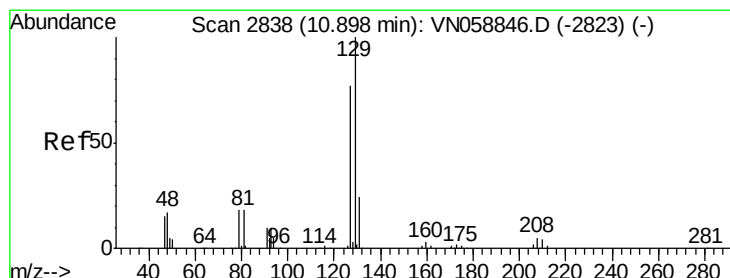
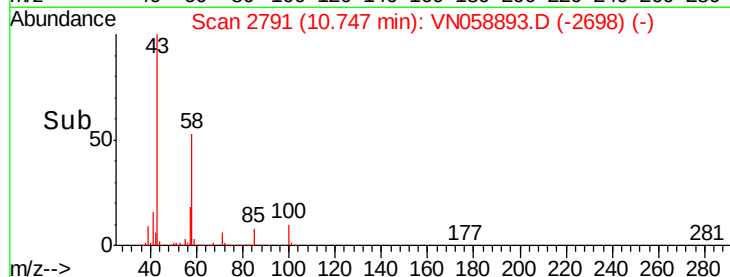
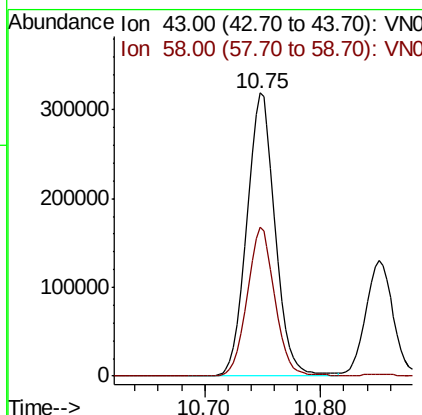
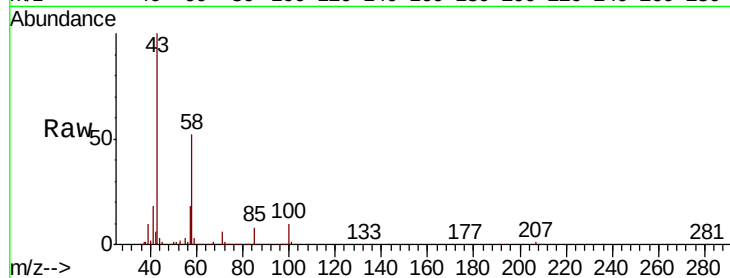




#59
2-Hexanone
Concen: 97.447 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

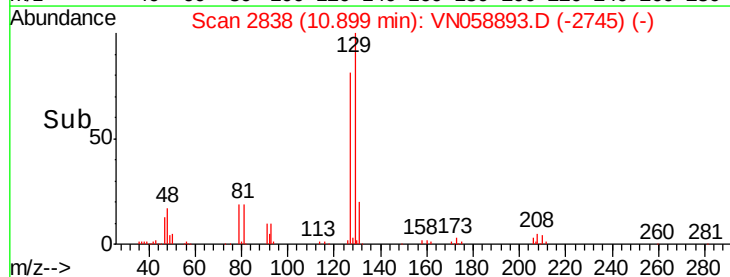
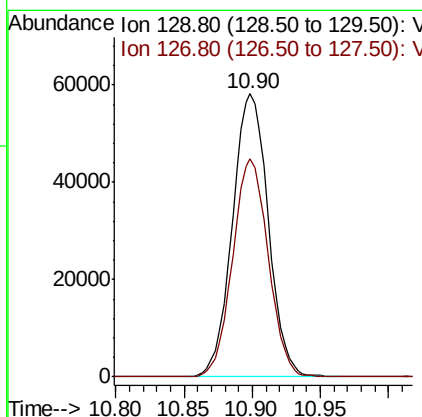
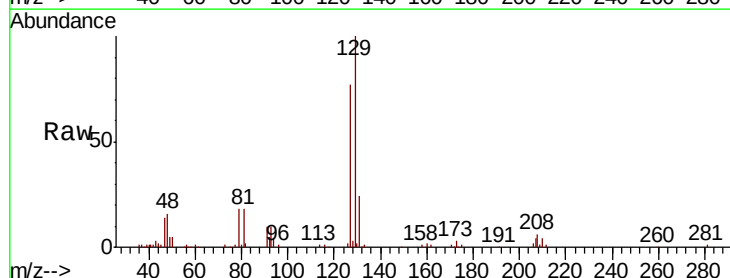
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

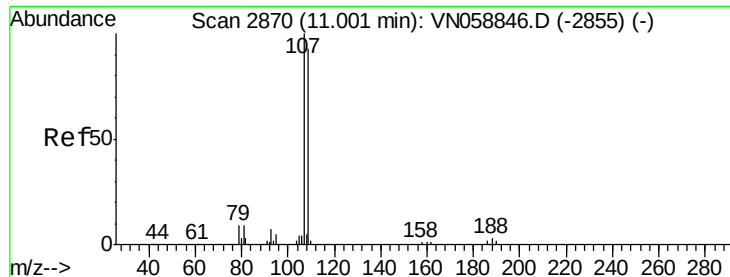
Tot Ion: 43 Resp: 541435
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7



#60
Dibromochloromethane
Concen: 19.536 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 129 Resp: 106261
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.3

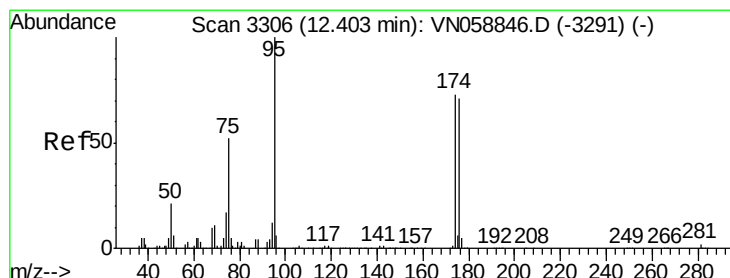
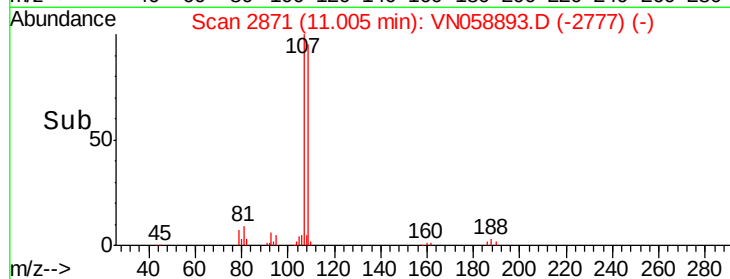
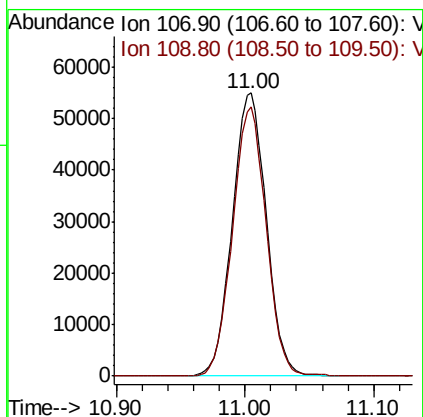
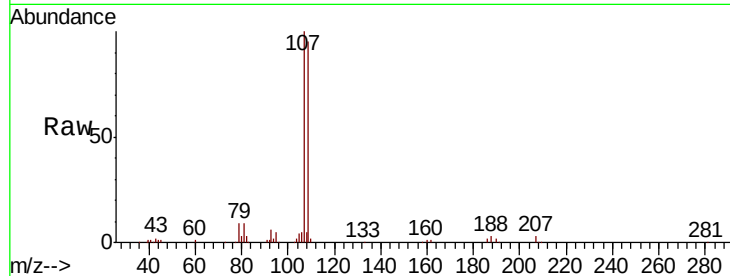




#61
 1,2-Dibromoethane
 Concen: 19.433 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

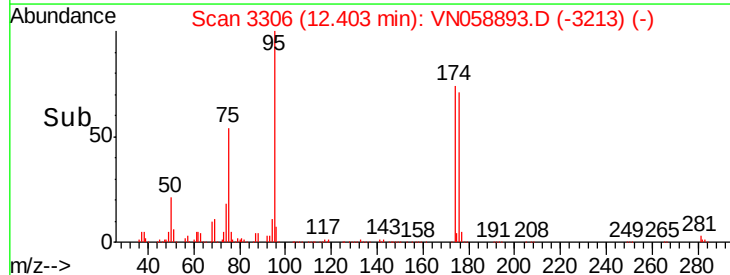
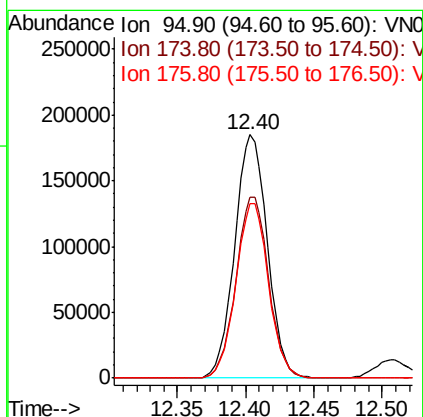
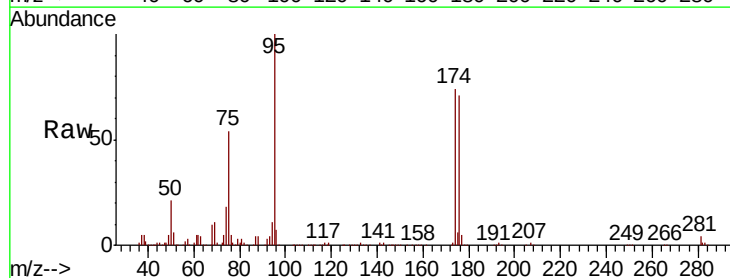
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

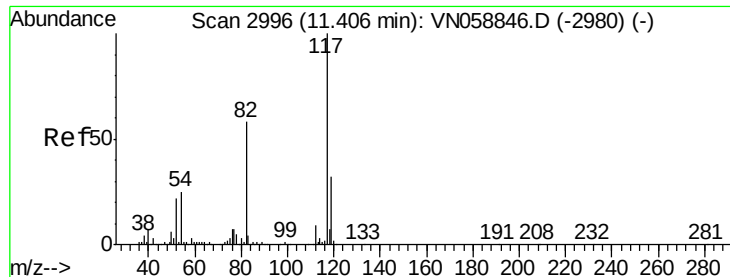
Tot Ion: 107 Resp: 100500
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.610 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion: 95 Resp: 307034
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 147.6
 176 71.9 0.0 143.2

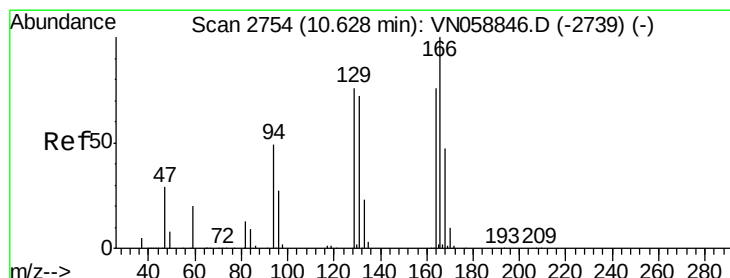
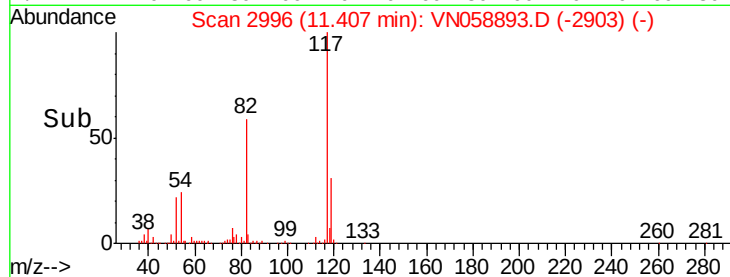
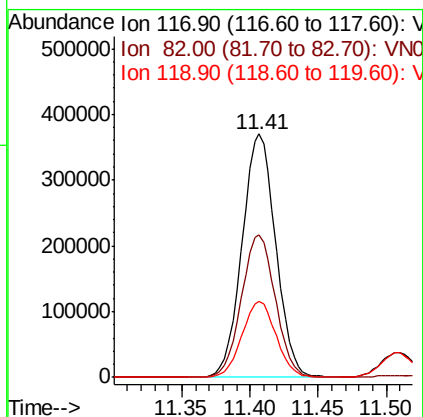
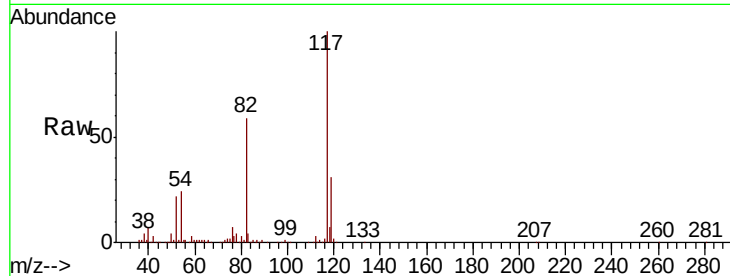




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

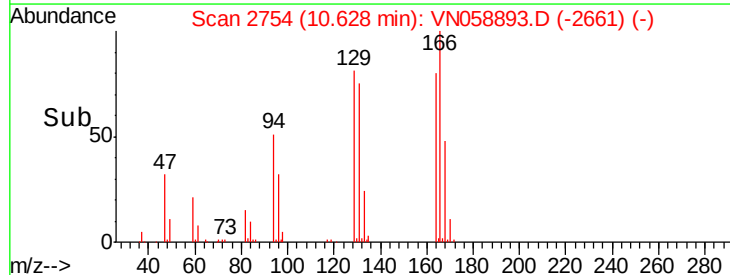
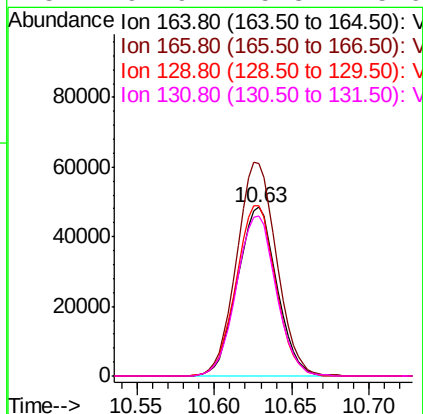
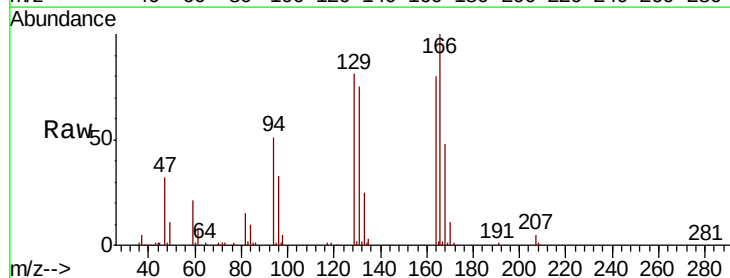
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

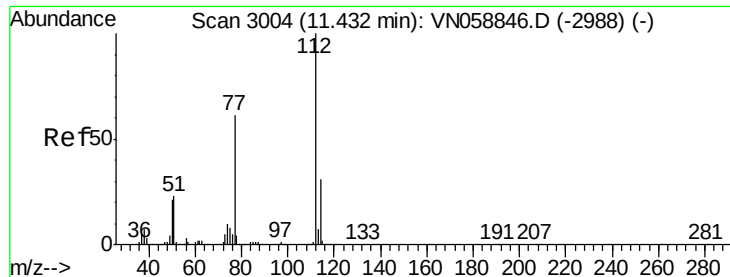
Tot Ion:117 Resp: 633301
Ion Ratio Lower Upper
117 100
82 58.7 46.6 69.8
119 31.4 25.6 38.4



#64
Tetrachloroethene
Concen: 19.443 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion:164 Resp: 86235
Ion Ratio Lower Upper
164 100
166 125.7 104.8 157.2
129 101.2 79.3 118.9
131 94.9 75.8 113.6

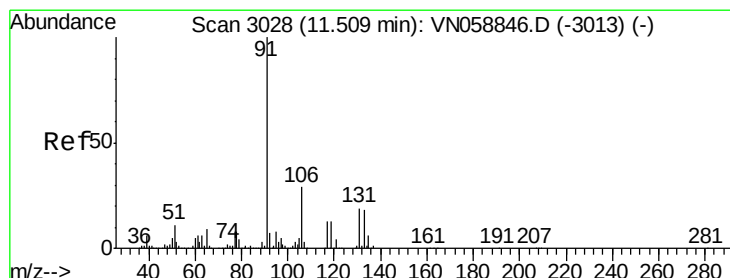
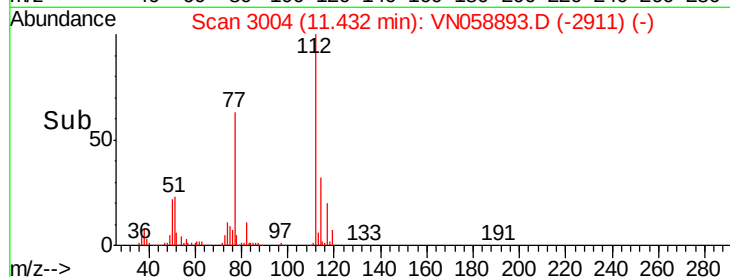
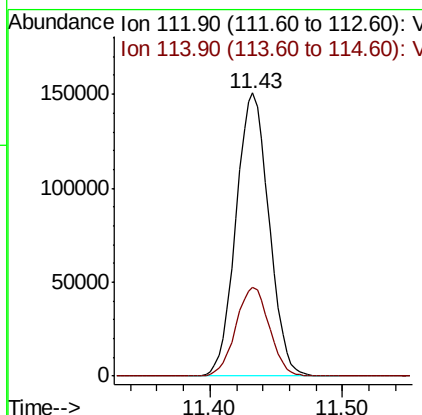
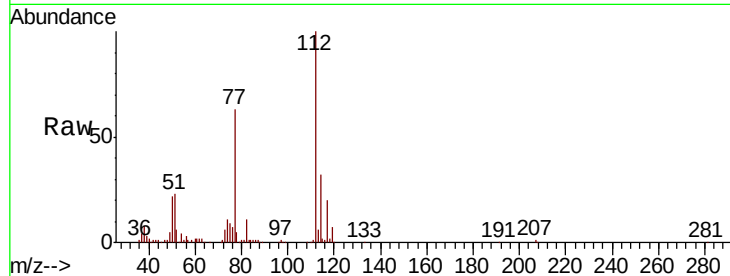




#65
Chlorobenzene
Concen: 20.189 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

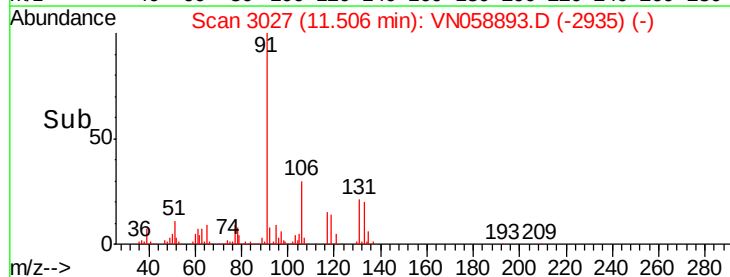
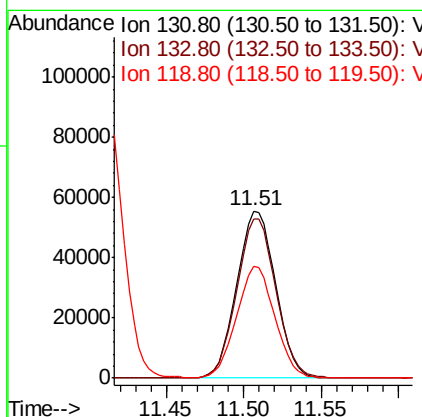
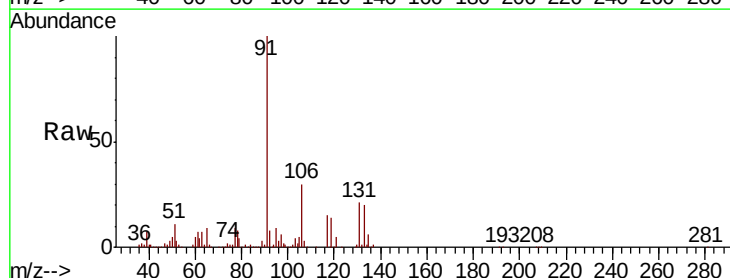
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

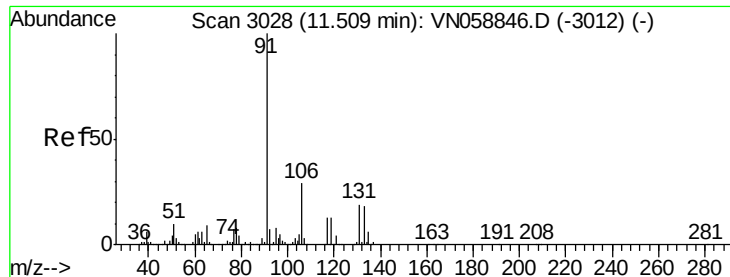
Tot Ion:112 Resp: 260300
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.912 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion:131 Resp: 96878
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 66.0 33.6 100.8





#67

Ethyl Benzene

Concen: 20.680 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

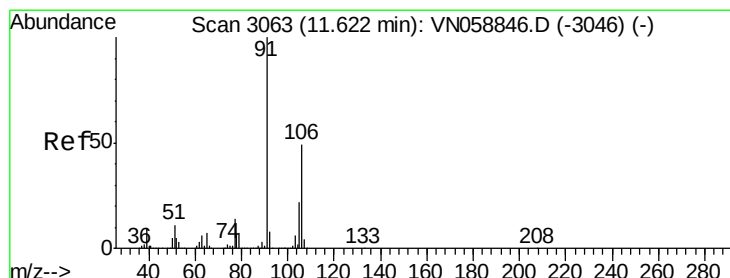
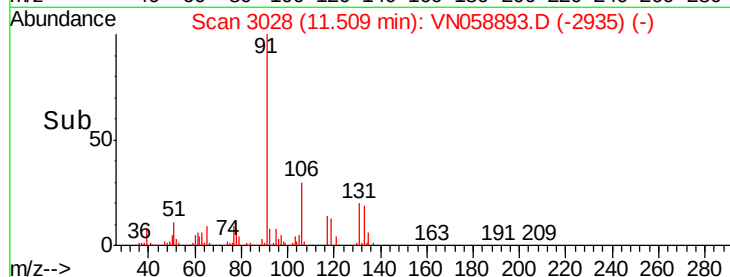
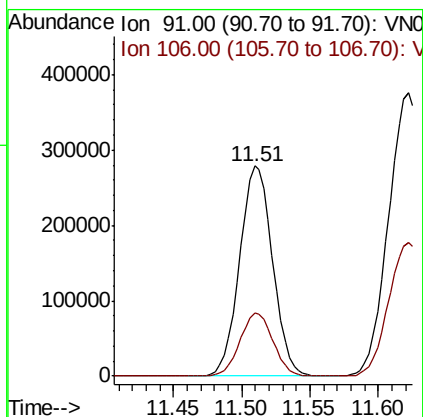
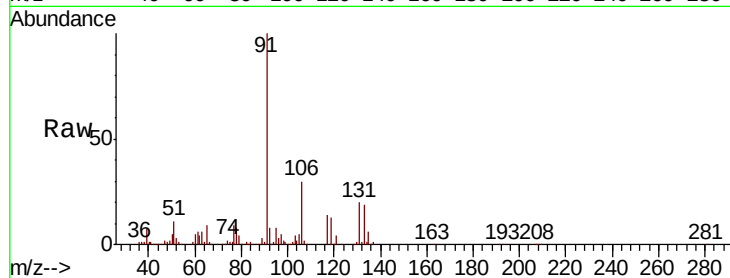
VN1021MBSD01

Tot Ion: 91 Resp: 467720

Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0



#68

m/p-Xylenes

Concen: 40.768 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058893.D

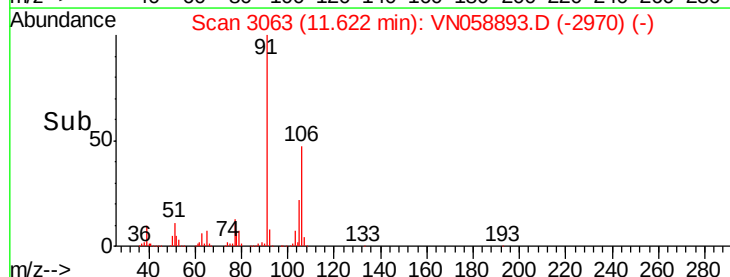
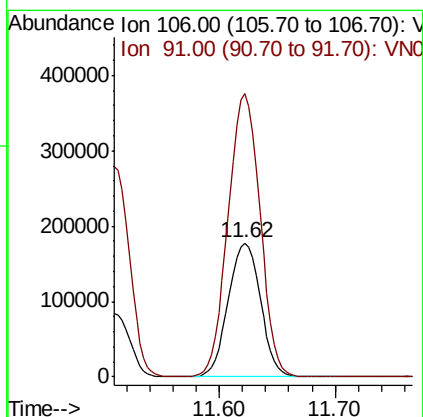
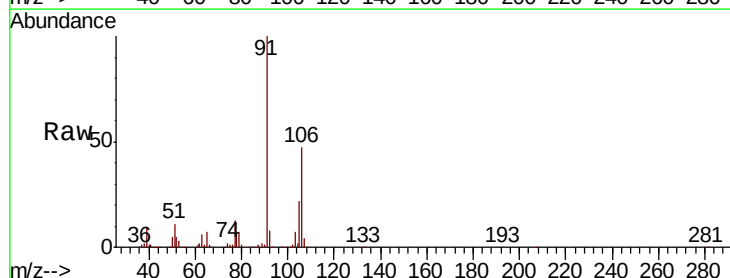
Acq: 21 Oct 2019 16:57

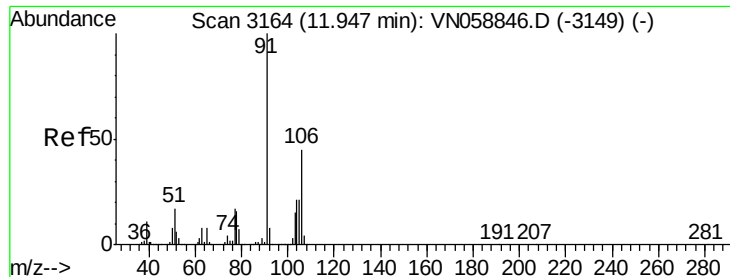
Tgt Ion: 106 Resp: 341944

Ion Ratio Lower Upper

106 100

91 209.8 166.6 249.8

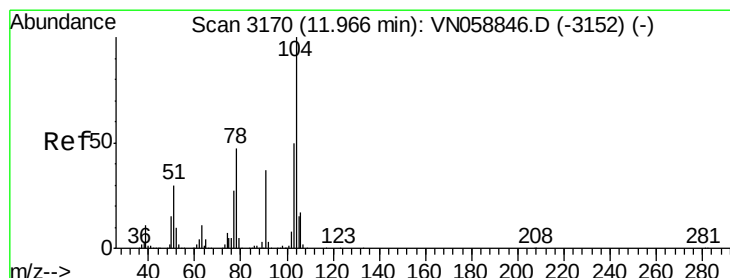
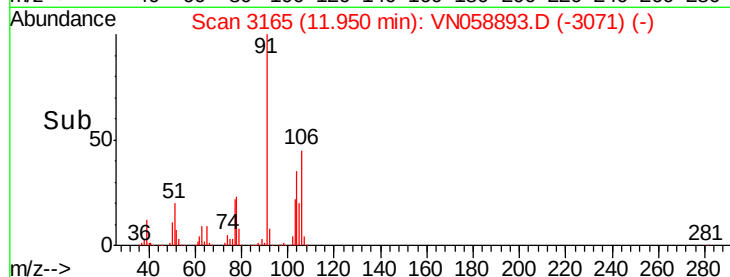
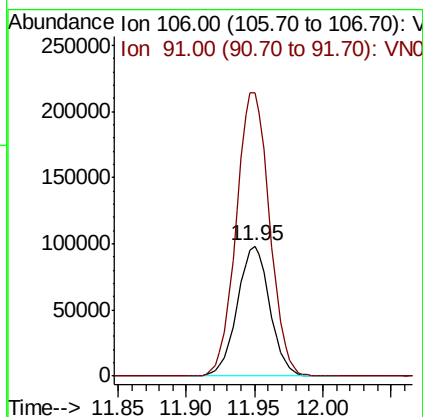
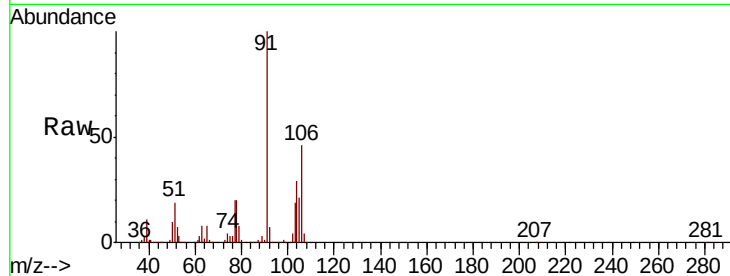




#69
o-Xylene
Concen: 20.305 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

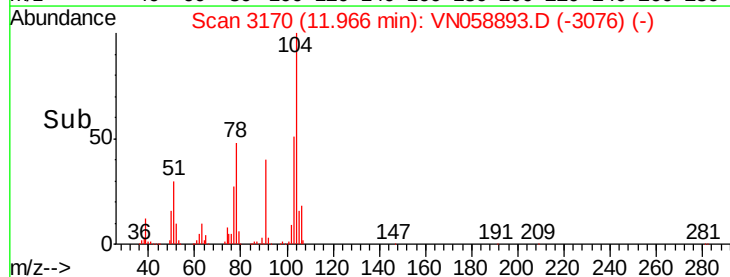
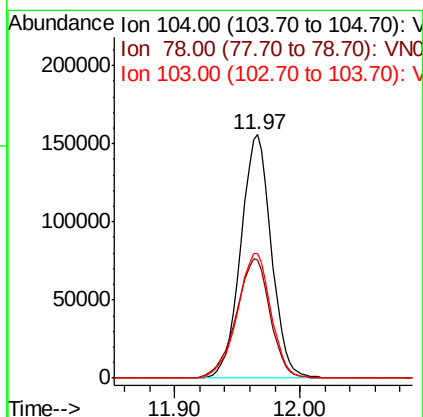
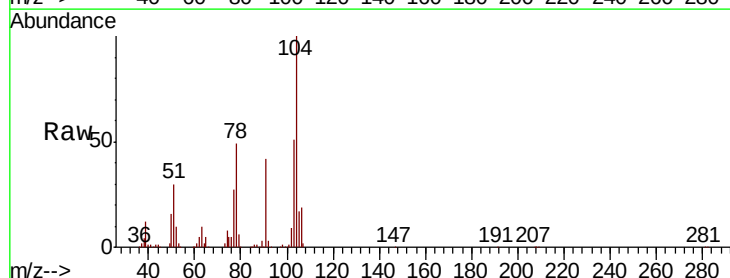
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

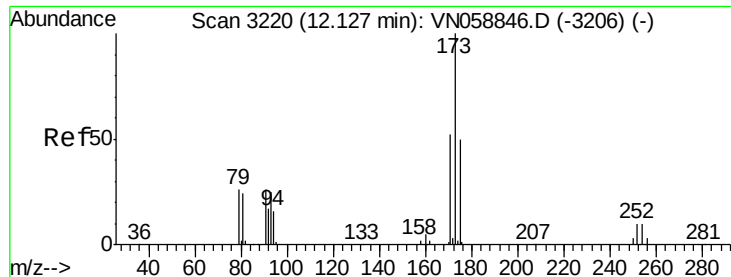
Tot Ion:106 Resp: 162428
Ion Ratio Lower Upper
106 100
91 223.7 111.5 334.4



#70
Styrene
Concen: 19.009 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion:104 Resp: 264446
Ion Ratio Lower Upper
104 100
78 54.6 42.8 64.2
103 56.1 44.3 66.5

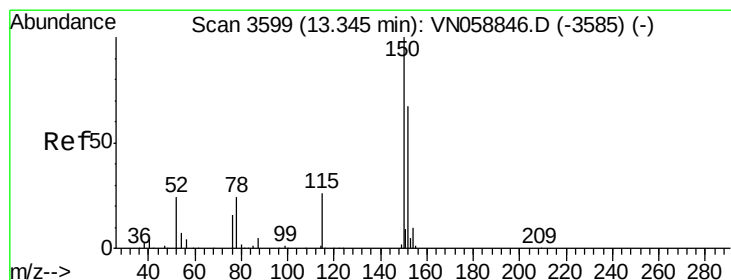
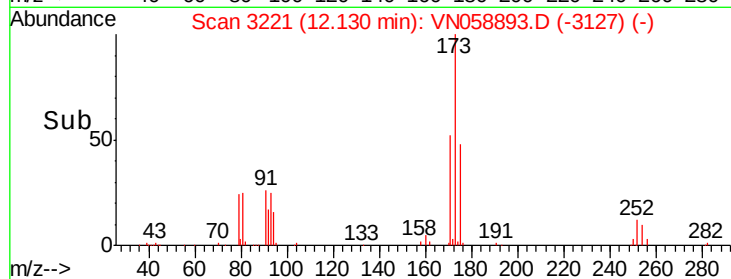
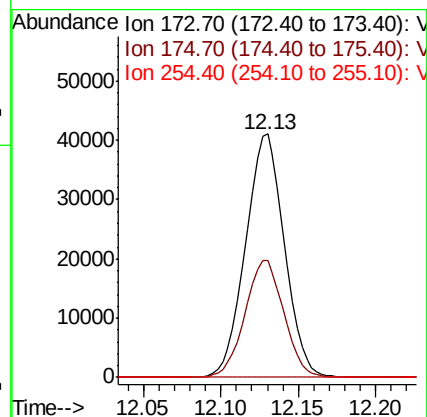
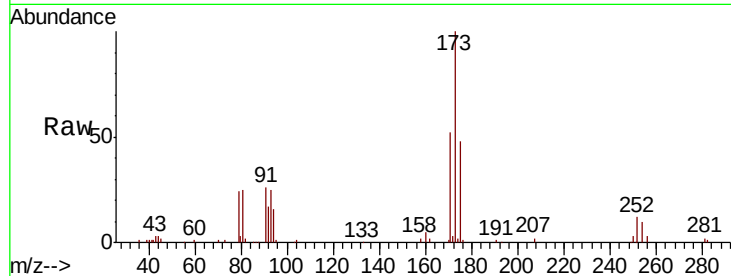




#71
Bromoform
Concen: 19.010 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

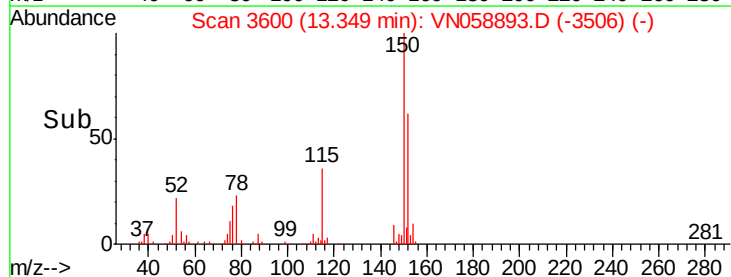
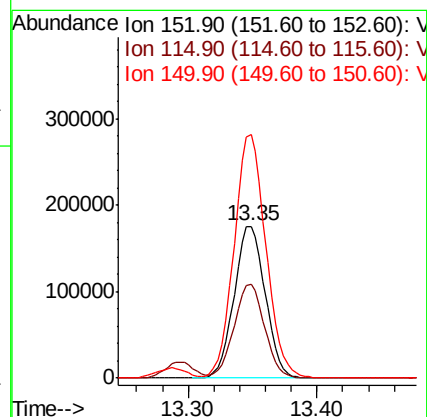
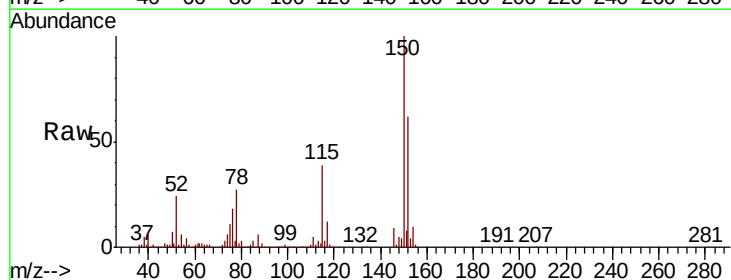
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

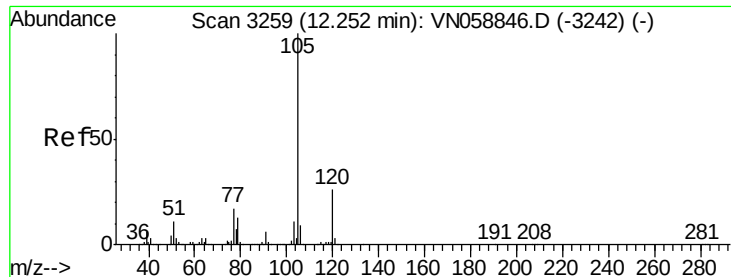
Tot Ion:173 Resp: 71719
Ion Ratio Lower Upper
173 100
175 47.9 24.7 74.1
254 0.0 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion:152 Resp: 292913
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 164.5 0.0 344.4





#73

Isopropylbenzene

Concen: 20.902 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

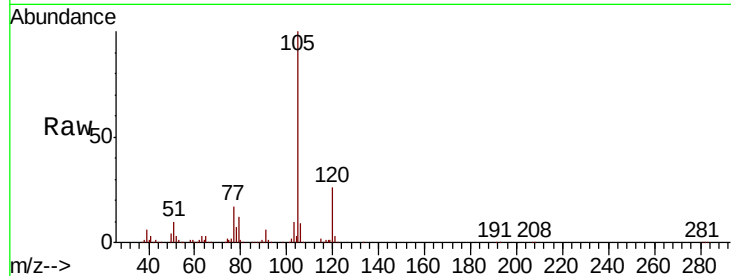
VN1021MBSD01

Tot Ion:105 Resp: 447442

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

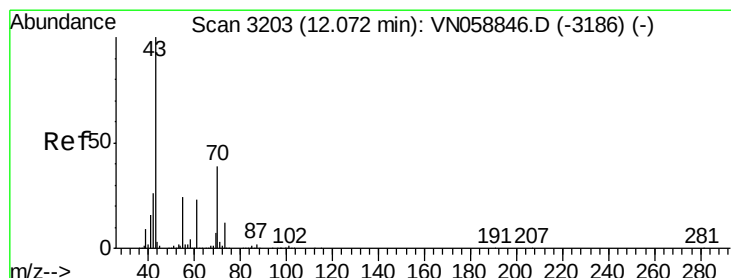
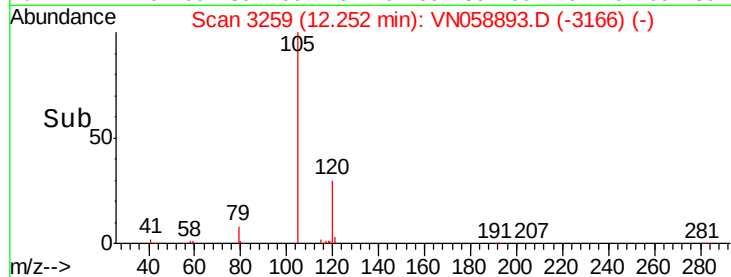
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.572 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion: 43 Resp: 199642

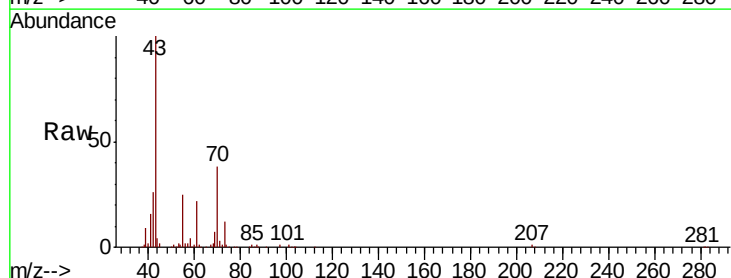
Ion Ratio Lower Upper

43 100

70 38.9 30.9 46.3

55 25.3 19.7 29.5

61 21.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

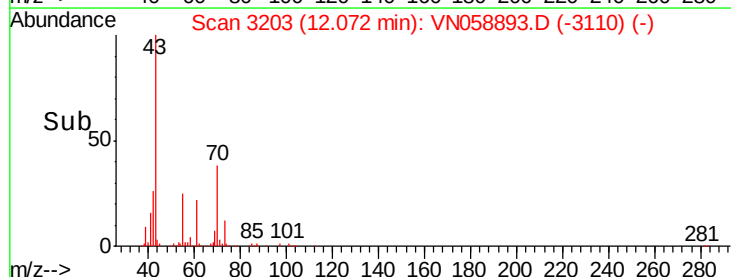
150000

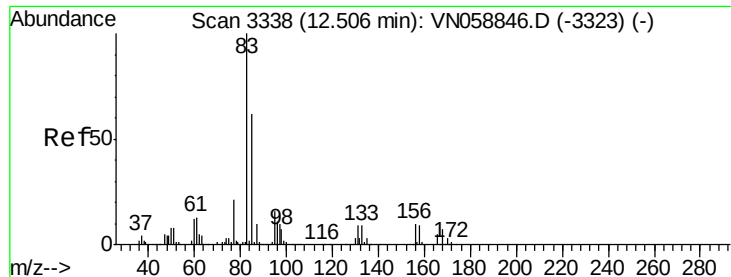
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.936 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

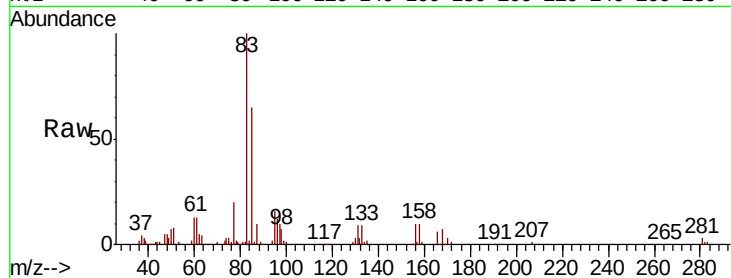
Tot Ion: 83 Resp: 150058

Ion Ratio Lower Upper

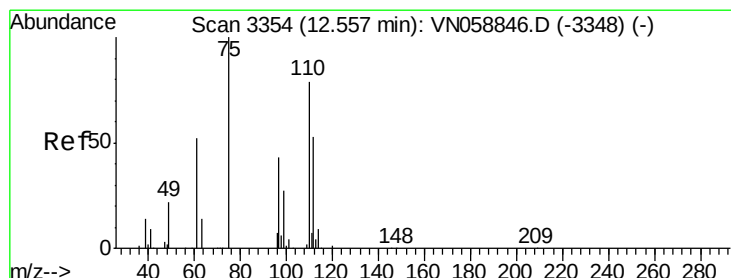
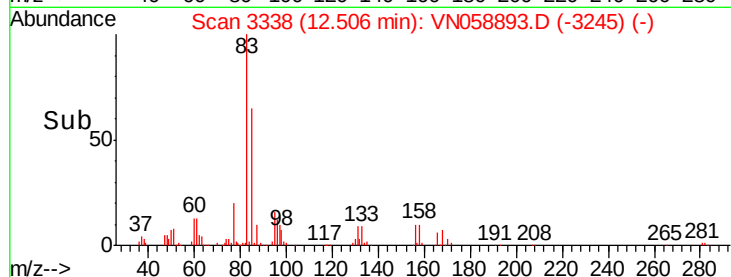
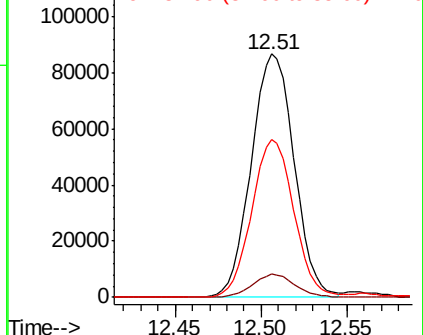
83 100

131 9.4 4.7 14.1

85 63.8 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.252 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058893.D

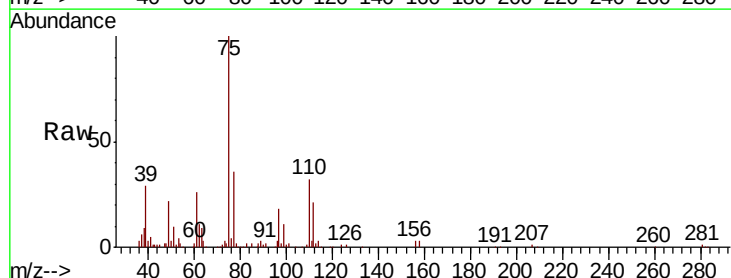
Acq: 21 Oct 2019 16:57

Tgt Ion: 75 Resp: 198578

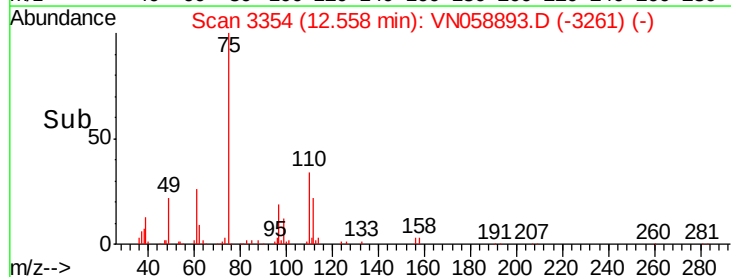
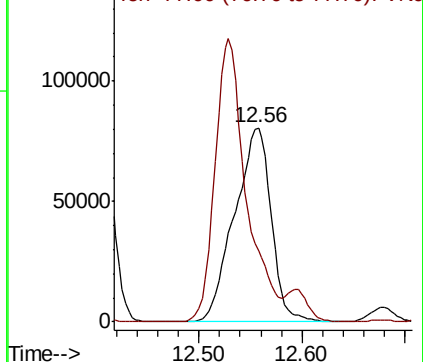
Ion Ratio Lower Upper

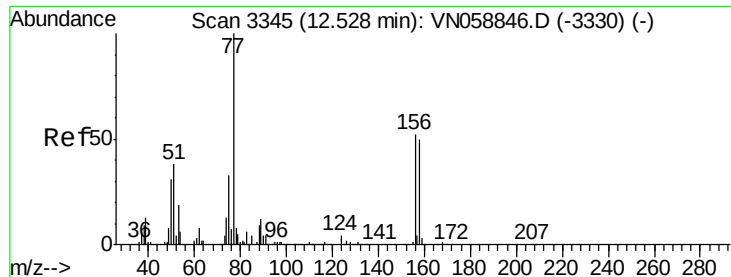
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.063 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

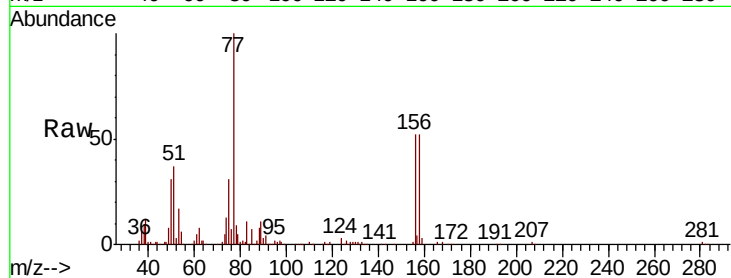
Tot Ion:156 Resp: 105860

Ion Ratio Lower Upper

156 100

77 233.0 118.0 354.0

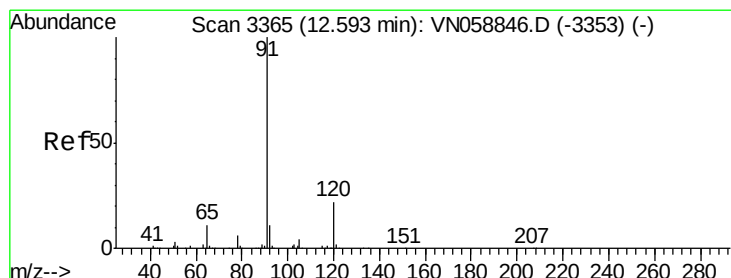
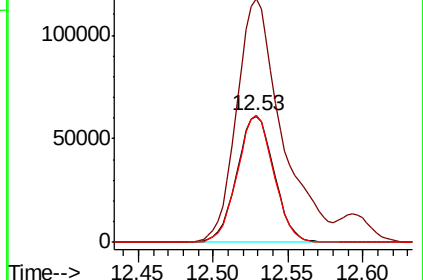
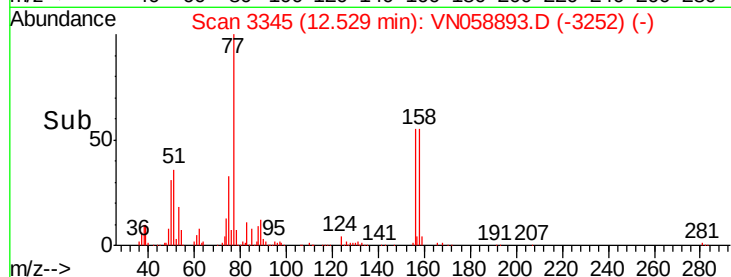
158 98.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.653 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058893.D

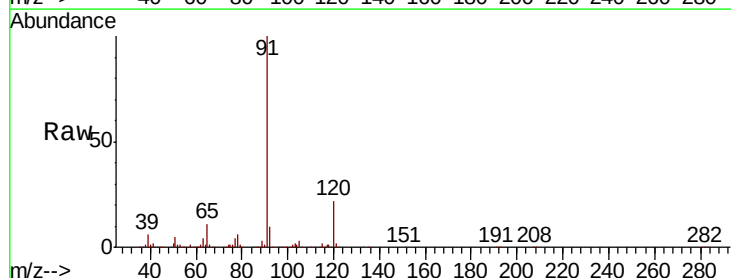
Acq: 21 Oct 2019 16:57

Tgt Ion: 91 Resp: 522597

Ion Ratio Lower Upper

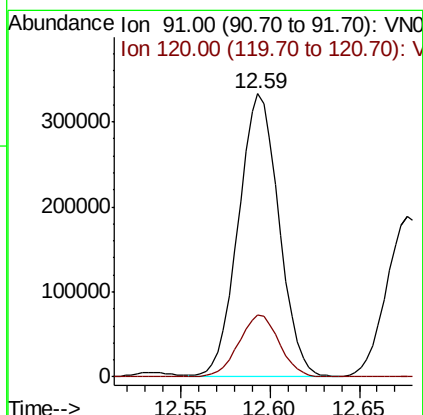
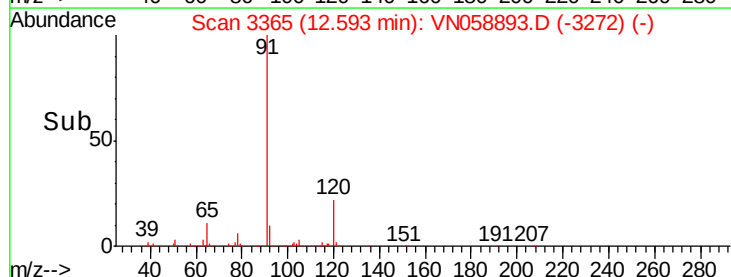
91 100

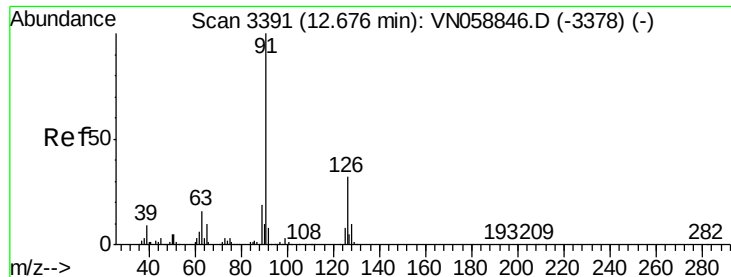
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.131 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

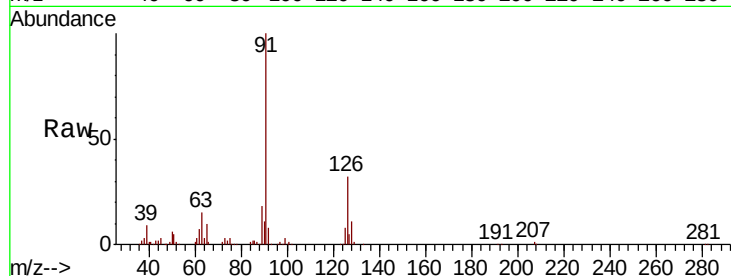
VN1021MBSD01

Tot Ion: 91 Resp: 311766

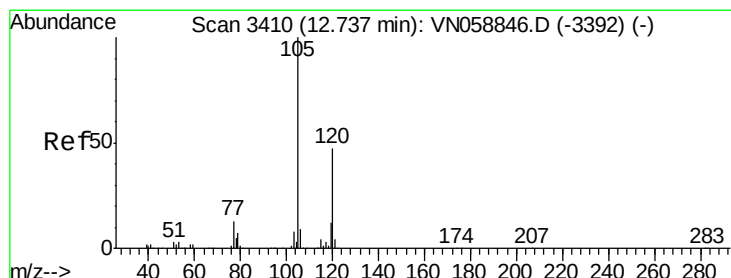
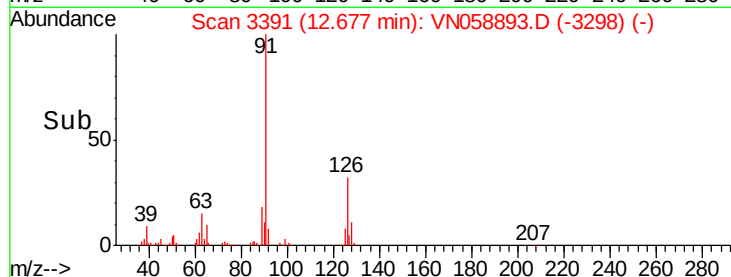
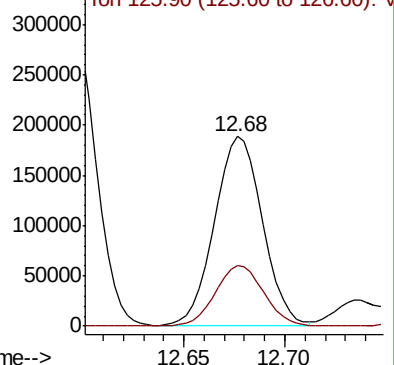
Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058893.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.025 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058893.D

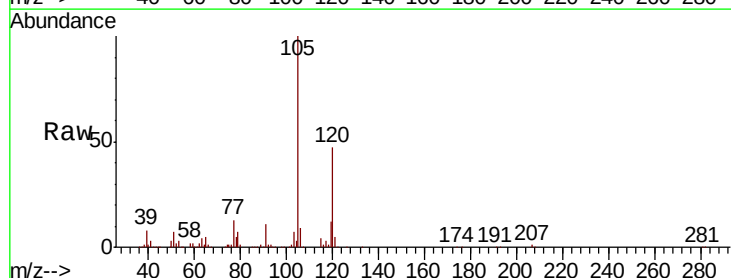
Acq: 21 Oct 2019 16:57

Tgt Ion: 105 Resp: 378147

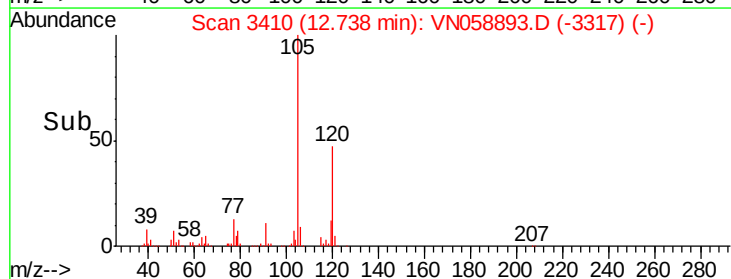
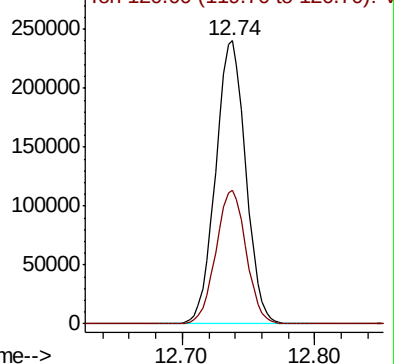
Ion Ratio Lower Upper

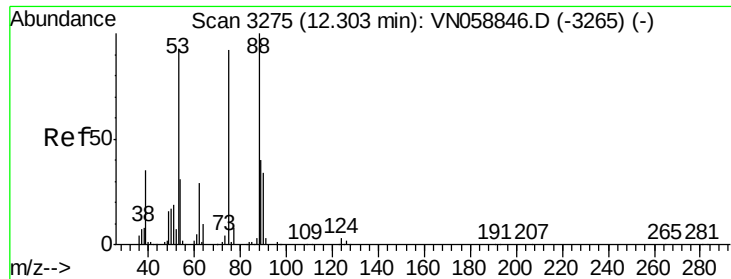
105 100

120 47.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058893.D (-3410) (-)

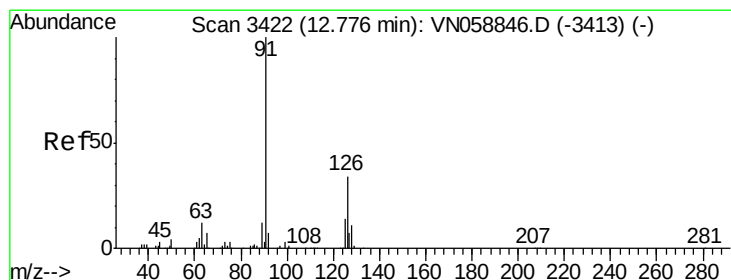
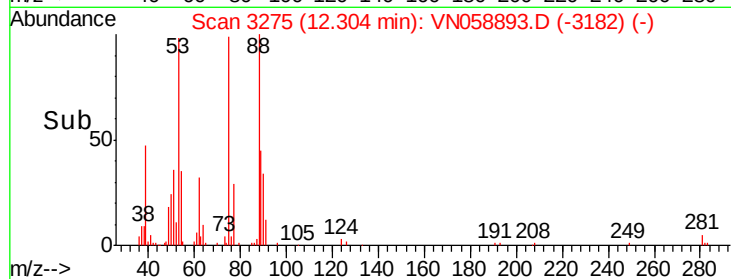
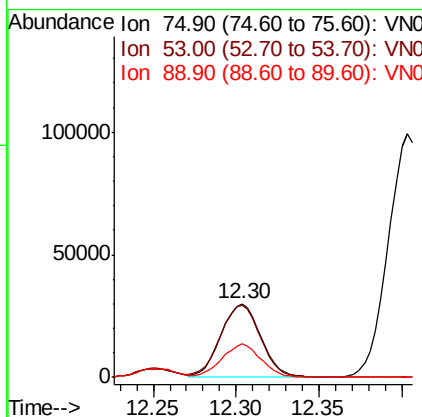
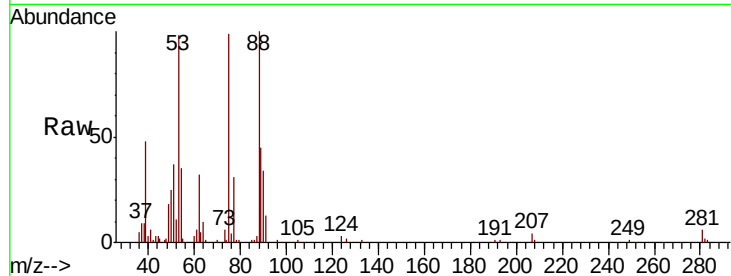




#81
trans-1,4-Dichloro-2-butene
Concen: 19.156 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

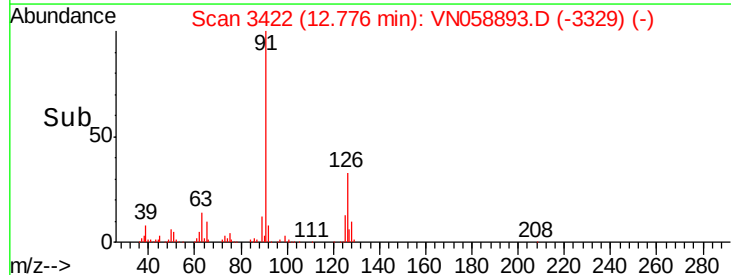
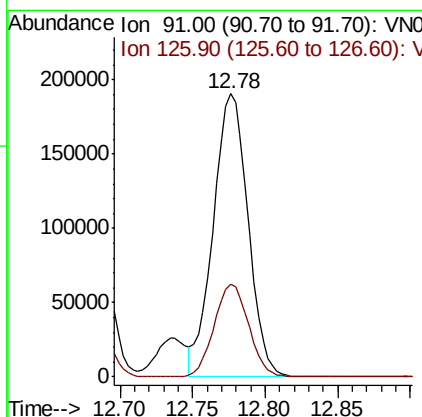
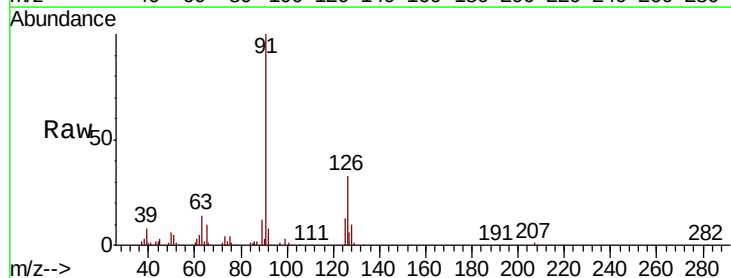
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

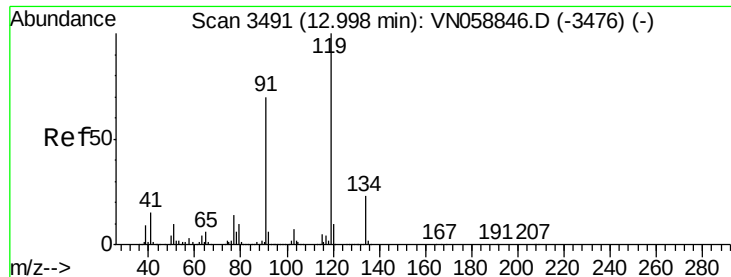
Tot Ion: 75 Resp: 49918
Ion Ratio Lower Upper
75 100
53 99.9 78.6 118.0
89 44.8 35.4 53.0



#82
4-Chlorotoluene
Concen: 20.024 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 91 Resp: 316902
Ion Ratio Lower Upper
91 100
126 32.7 16.0 47.9

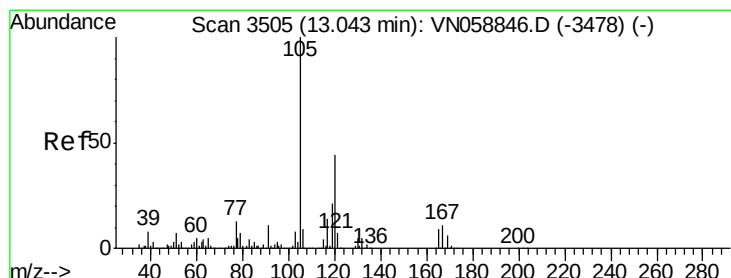
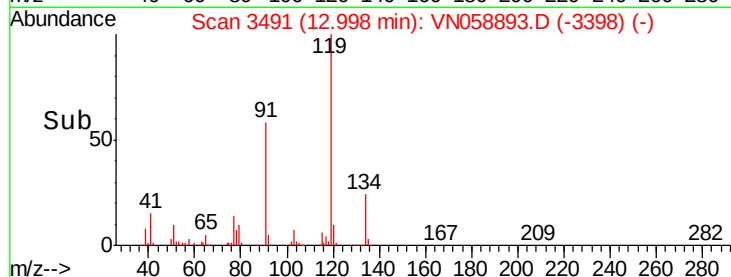
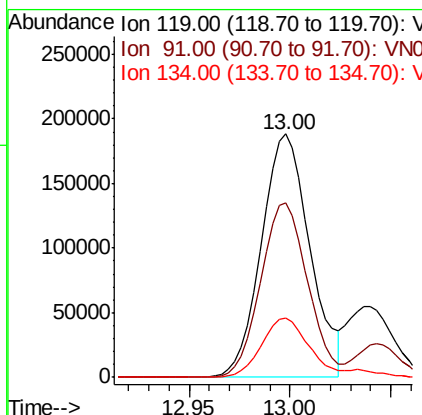
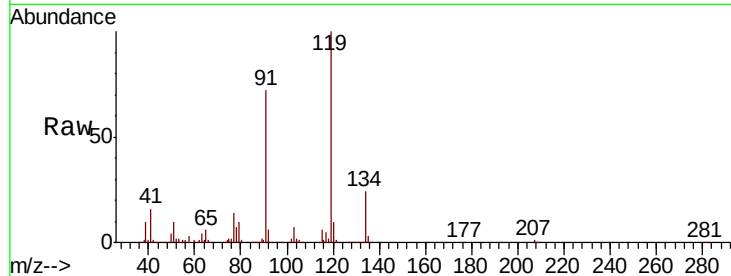




#83
 tert-Butylbenzene
 Concen: 20.534 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

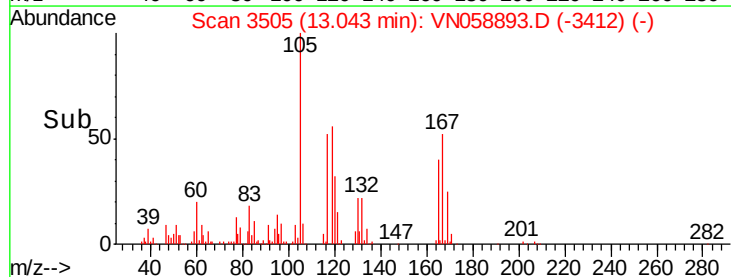
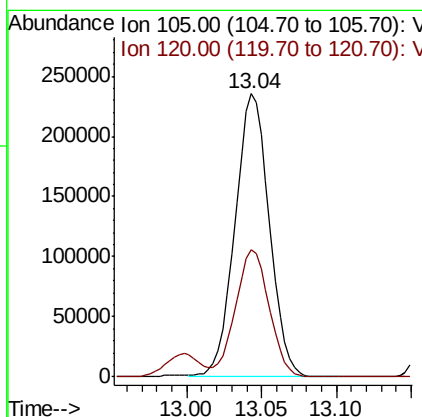
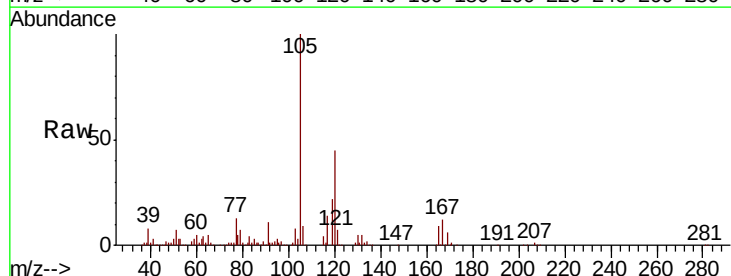
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

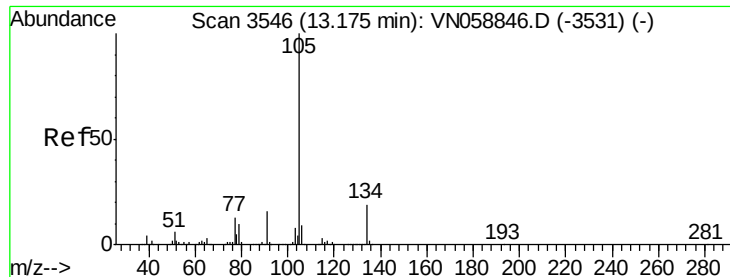
Tot Ion:119 Resp: 315814
 Ion Ratio Lower Upper
 119 100
 91 69.5 34.1 102.3
 134 23.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.076 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion:105 Resp: 373879
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.9 65.8





#85

sec-Butylbenzene

Concen: 20.752 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

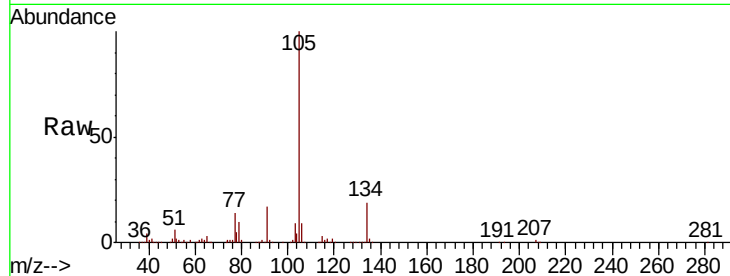
VN1021MBSD01

Tot Ion:105 Resp: 425518

Ion Ratio Lower Upper

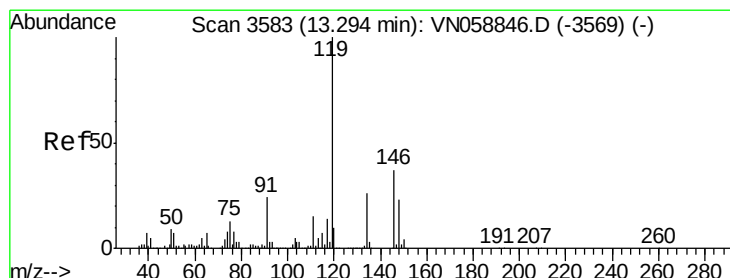
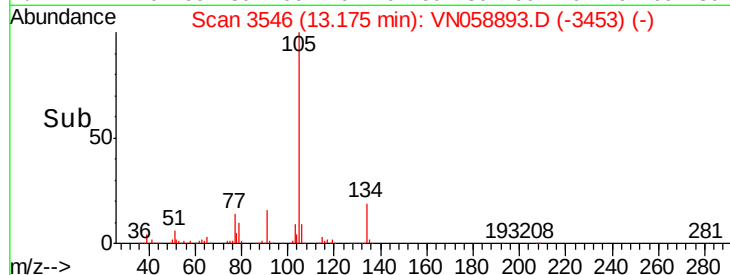
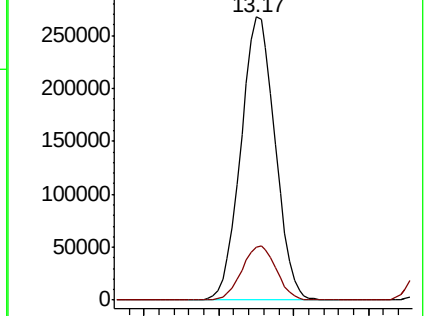
105 100

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: 21.037 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

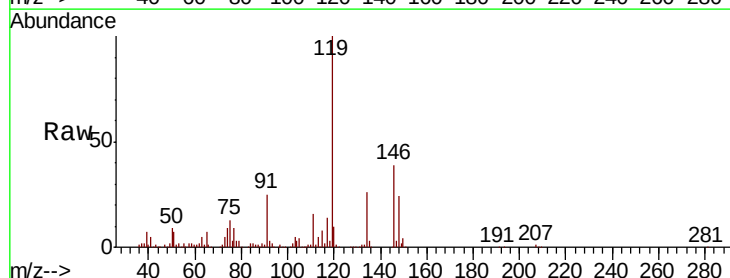
Tgt Ion:119 Resp: 380621

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

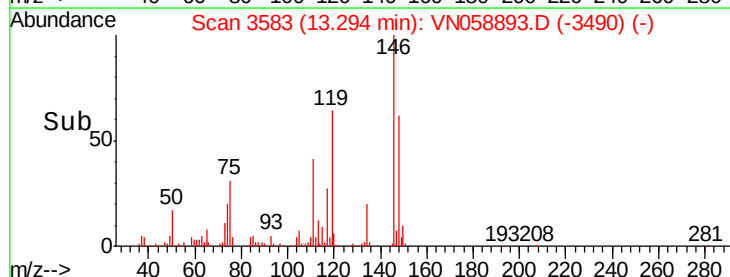
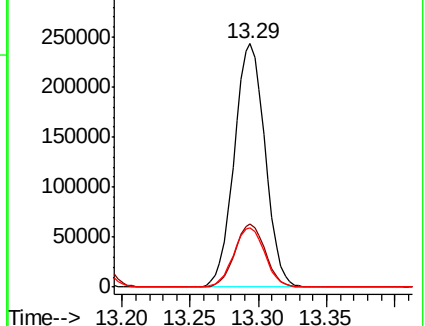
91 24.9 12.2 36.4

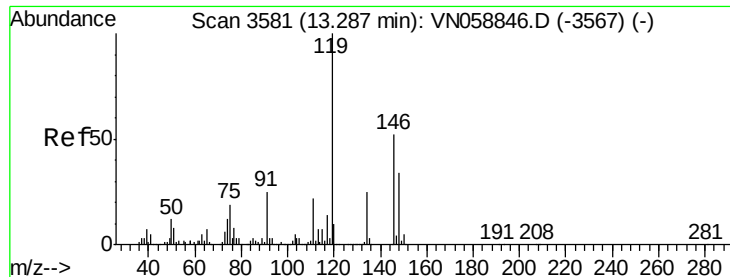


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.214 ug/l

RT: 13.29 min Scan# 3581

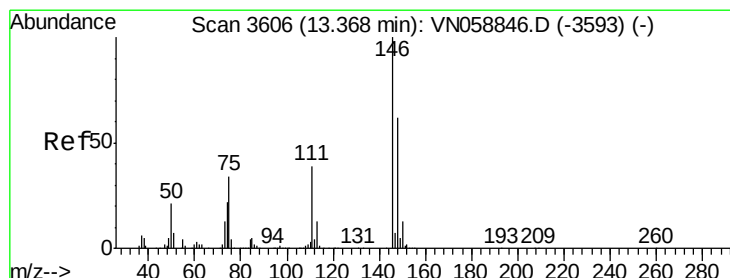
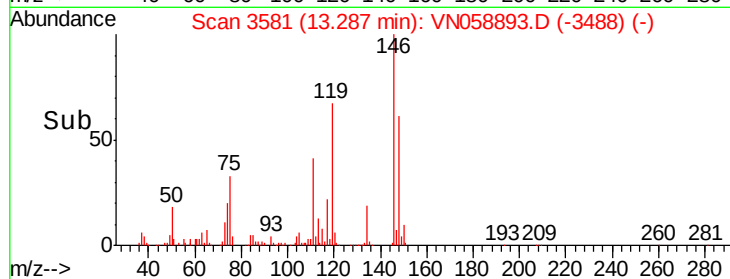
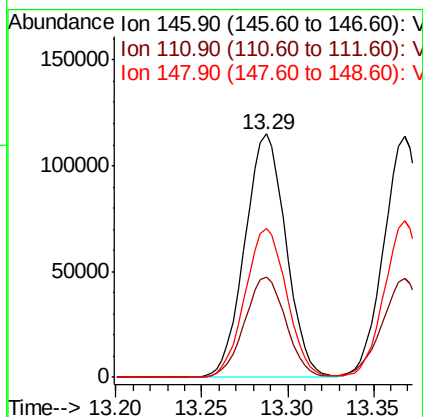
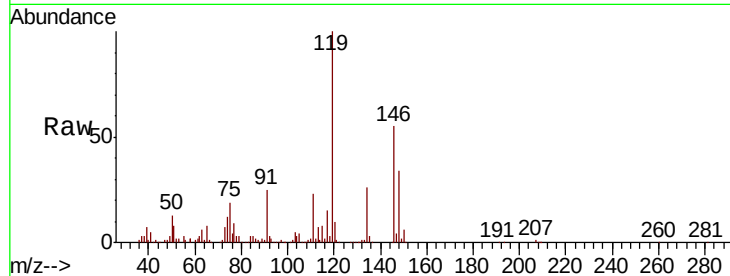
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	62.1	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 19.711 ug/l

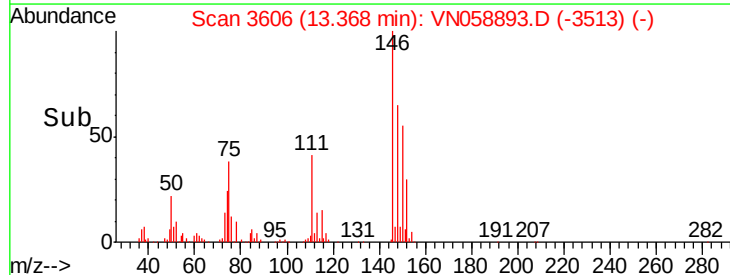
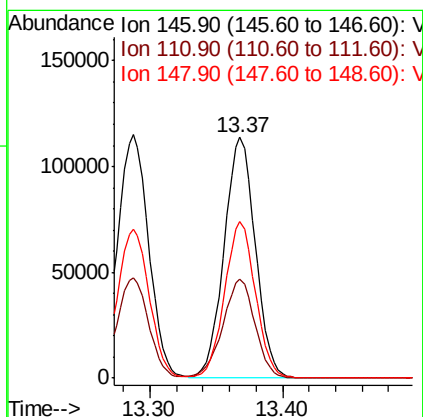
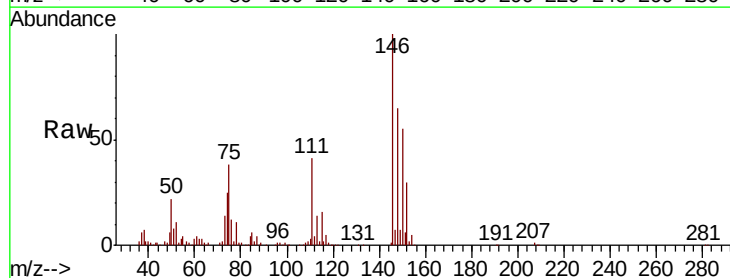
RT: 13.37 min Scan# 3606

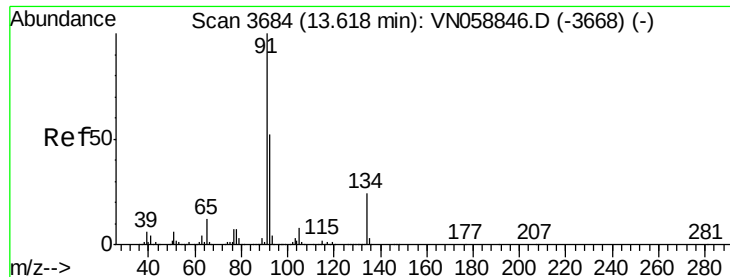
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.2	60.6
148	64.2	31.6	94.7





#89

n-Butylbenzene

Concen: 20.131 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

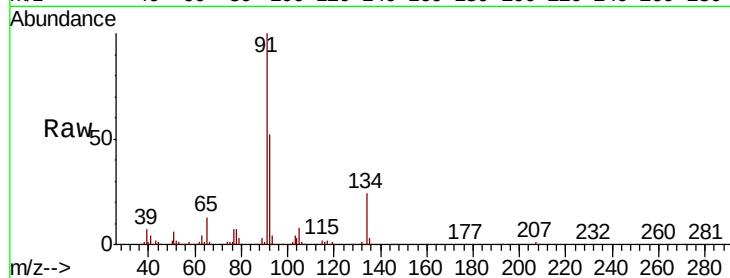
Tot Ion: 91 Resp: 334587

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.1

134 23.8 11.9 35.5

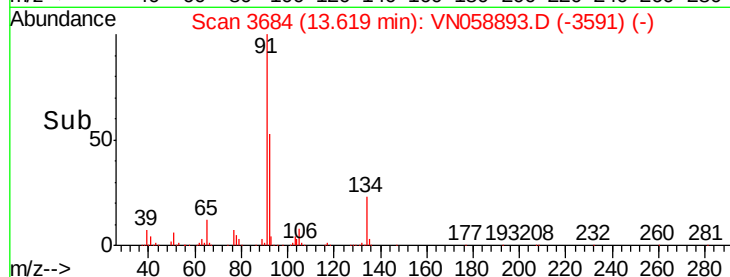


Abundance Ion 91.00 (90.70 to 91.70): VN058893.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058893.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058893.D (-3672) (-)

Time-->

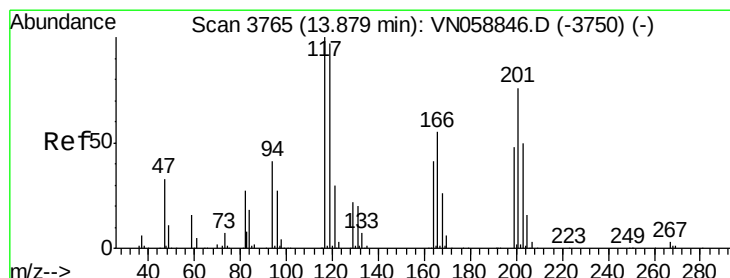


Abundance Ion 91.00 (90.70 to 91.70): VN058893.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058893.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058893.D (-3672) (-)

Time-->



#90

Hexachloroethane

Concen: 19.127 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058893.D

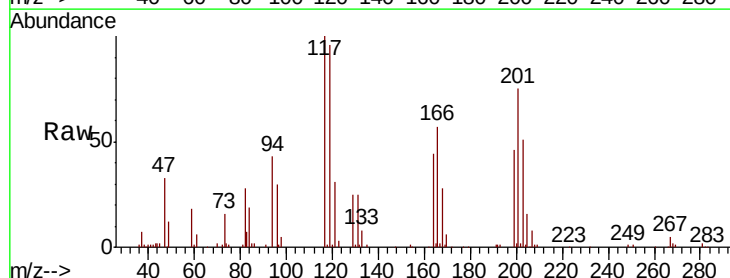
Acq: 21 Oct 2019 16:57

Tgt Ion: 117 Resp: 70125

Ion Ratio Lower Upper

117 100

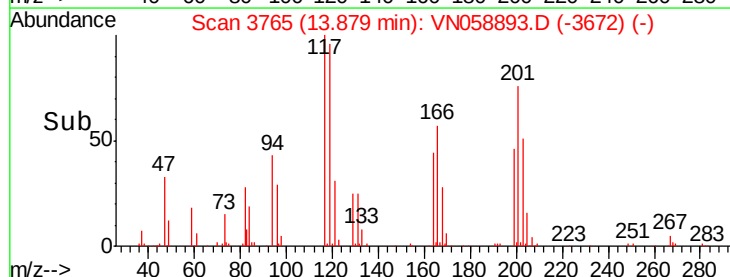
201 77.7 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058893.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058893.D (-3672) (-)

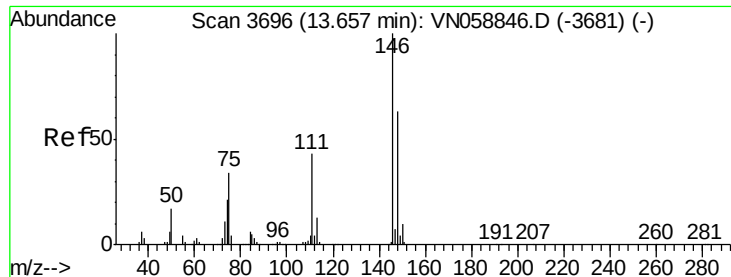
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058893.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058893.D (-3672) (-)

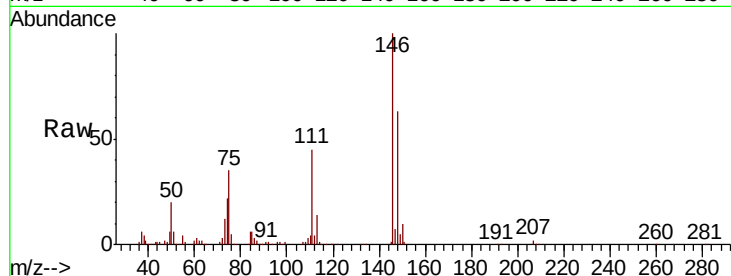
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 20.134 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.6	64.8
148	63.2	31.9	95.9

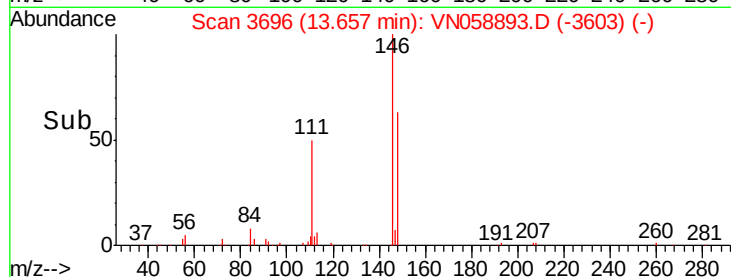
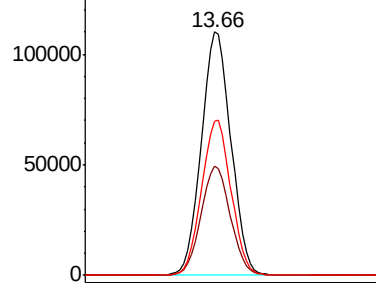


Abundance

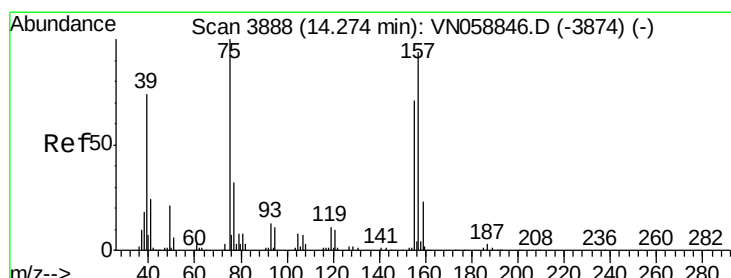
Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

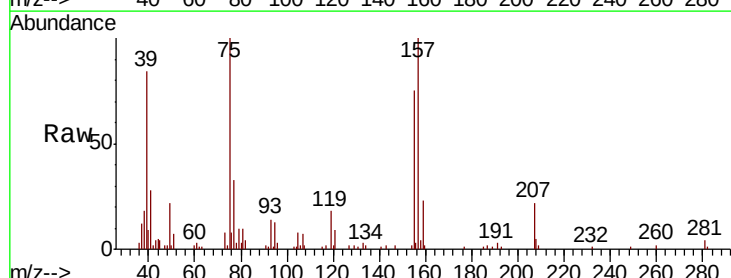


Time-->



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.133 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	35.6	106.8
157	96.0	47.4	142.2

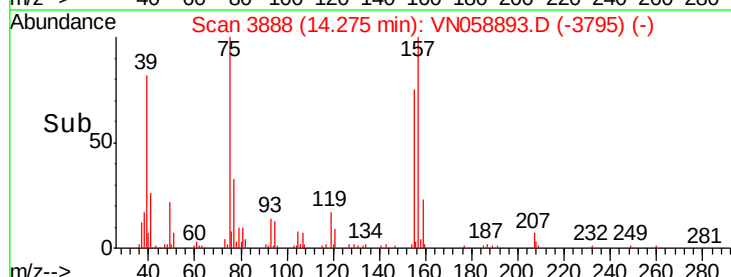
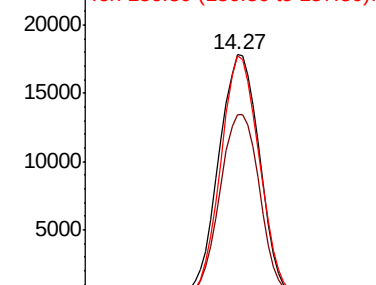


Abundance

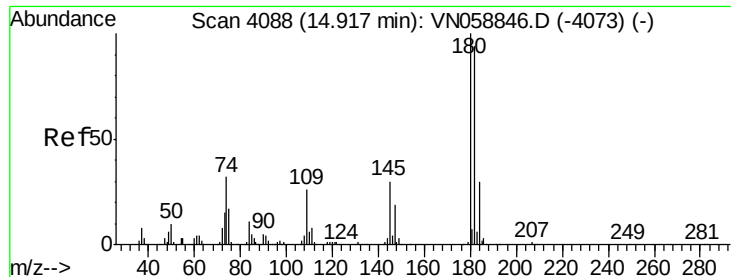
Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



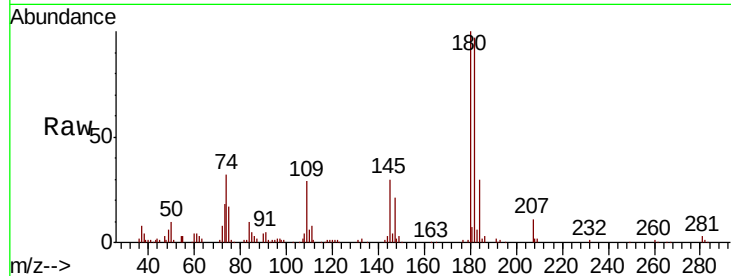
Time-->



#93
 1,2,4-Trichlorobenzene
 Concen: 19.280 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	30.5	15.3	45.8

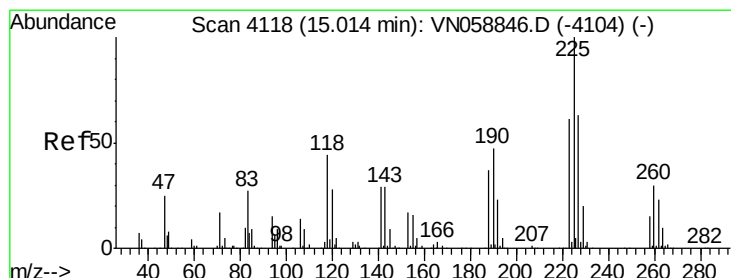
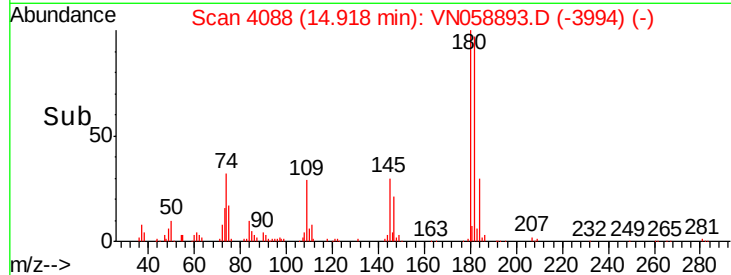
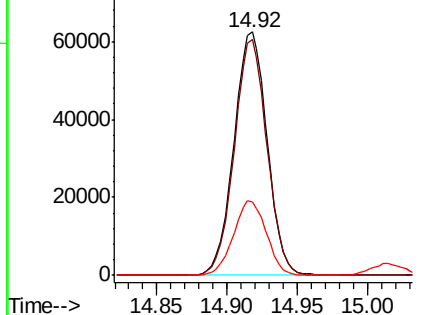


Abundance

Ion 179.80 (179.50 to 180.50): V

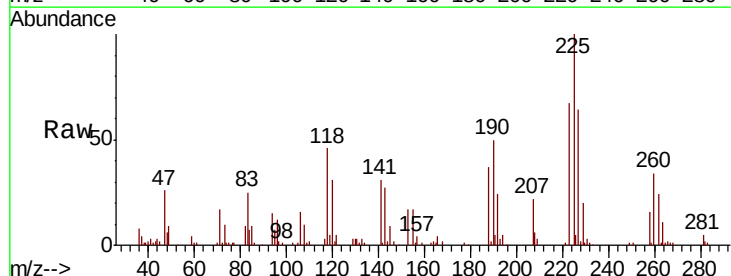
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.715 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.9	92.5
227	64.1	31.6	94.7

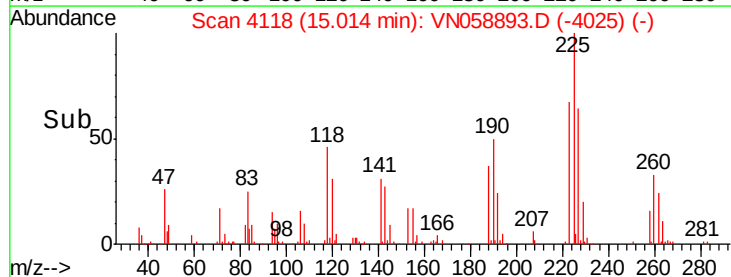
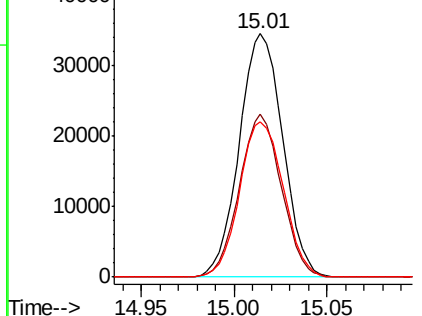


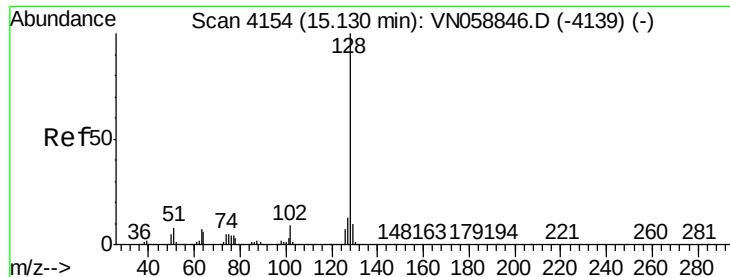
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.166 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

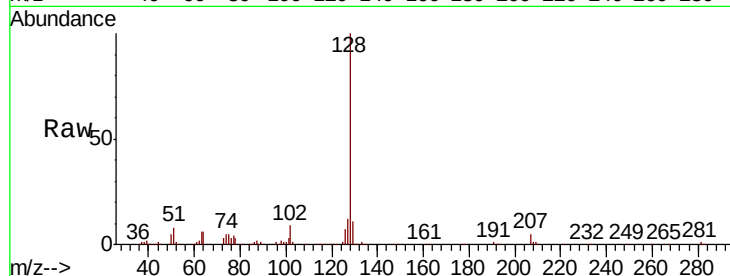
Tot Ion:128 Resp: 297466

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

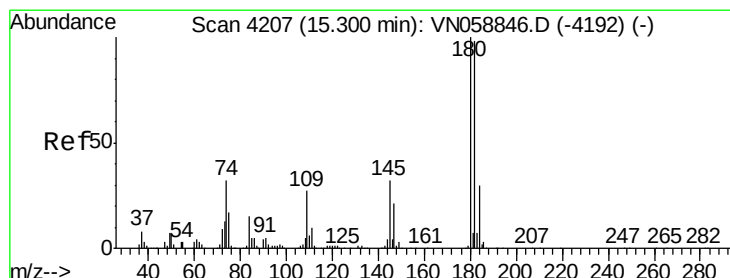
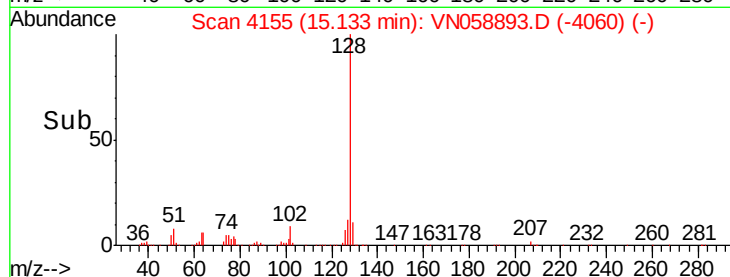
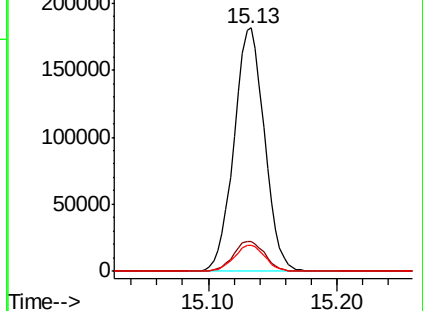
129 10.9 8.4 12.6



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: 19.783 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

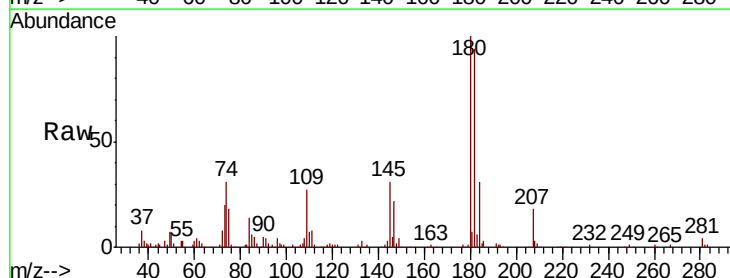
Tgt Ion:180 Resp: 103788

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

145 32.5 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

