

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058955.D
 Acq On : 24 Oct 2019 13:00
 Operator : JC/SP
 Sample : VN1025WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:51 PM

Quant Time: Oct 25 01:58:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	57608	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	314561	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	292243	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	153537	31.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.67%
60) 4-Bromofluorobenzene	12.40	95	147859	28.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.40%
63) Toluene-d8	10.08	98	422050	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67197	21.529	ug/l 99
3) Chloromethane	2.04	50	89019	21.351	ug/l 98
4) Vinyl Chloride	2.17	62	91408	21.212	ug/l 98
5) Bromomethane	2.55	94	56074	21.076	ug/l 99
6) Chloroethane	2.69	64	59698	22.040	ug/l 97
7) Trichlorofluoromethane	3.00	101	118298	22.304	ug/l 99
8) Diethyl Ether	3.39	74	42833	21.174	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68522	22.328	ug/l 98
10) 1,1-Dichloroethene	3.72	96	62347	20.685	ug/l 96
11) Methyl Iodide	3.93	142	70983	16.910	ug/l 98
12) Methyl Acetate	4.30	43	100268	20.792	ug/l 99
13) Acrolein	3.58	56	45455	85.307	ug/l 98
14) Acrylonitrile	4.96	53	201234	105.903	ug/l 99
15) Acetone	3.79	58	61566	109.152	ug/l 100
16) Carbon Disulfide	4.03	76	185472	21.097	ug/l 100
17) Allyl chloride	4.30	41	125595	20.935	ug/l 95
18) Methylene Chloride	4.53	84	78797	21.588	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	69877	21.295	ug/l 90
20) Diisopropyl ether	5.92	45	264314	21.624	ug/l 97
21) 1,1-Dichloroethane	5.82	63	148072	21.877	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	79502	20.321	ug/l 92
23) tert-Butyl Alcohol	4.76	59	74713	96.129	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	229745	20.431	ug/l 97
25) Chloroform	7.35	83	145353	21.532	ug/l 95
26) Cyclohexane	7.63	56	118871	20.009	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	104286	21.061	ug/l 100
30) 2-Butanone	6.81	43	287596	102.780	ug/l 99
31) 2,2-Dichloropropane	6.80	77	125052	21.427	ug/l # 53
32) 1,1,1-Trichloroethane	7.55	97	124677	21.770	ug/l 99
33) Carbon Tetrachloride	7.76	117	107800	21.746	ug/l 95
34) Benzene	8.03	78	318292	21.834	ug/l 98
35) Methacrylonitrile	7.16	41	50148m	20.287	ug/l
36) 1,2-Dichloroethane	8.11	62	122415	21.963	ug/l 99
37) Trichloroethene	8.82	130	75102	20.970	ug/l 99
38) Methylcyclohexane	9.07	83	111277	19.383	ug/l 96
39) 1,2-Dichloropropane	9.11	63	87508	21.966	ug/l 99
40) Dibromomethane	9.20	93	55033	21.882	ug/l 98

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Quant Time: Oct 25 01:58:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	113879	22.165	ug/l	100
42) Vinyl Acetate	5.87	43	1083718	110.585	ug/l	99
43) Ethyl Acetate	6.90	43	114767	20.897	ug/l	96
44) Isopropyl Acetate	8.15	43	183040	20.575	ug/l	98
45) 1,4-Dioxane	9.19	88	26322	385.326	ug/l	99
46) Methyl methacrylate	9.19	41	82088	20.100	ug/l	97
47) n-amyl Acetate	12.07	43	144252	18.292	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	121613	20.409	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	131569	21.027	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	77655	21.629	ug/l	98
51) Ethyl methacrylate	10.43	69	108827	18.957	ug/l	99
52) 1,3-Dichloropropane	10.70	76	134310	21.006	ug/l	99
53) Dibromochloromethane	10.90	129	81466	21.144	ug/l	99
54) 1,2-Dibromoethane	11.00	107	79195	21.281	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	269090	94.230	ug/l	100
56) Bromoform	12.13	173	56412	21.018	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	576067	108.054	ug/l	99
59) 2-Hexanone	10.75	43	418544	100.141	ug/l	99
61) Tetrachloroethene	10.63	164	67465	21.363	ug/l	99
62) Toluene	10.15	91	330779	21.042	ug/l	99
64) Chlorobenzene	11.43	112	198777	20.683	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	76157	21.133	ug/l	100
66) Ethyl Benzene	11.51	91	352550	20.254	ug/l	99
67) m/p-Xylenes	11.62	106	260931	40.124	ug/l	97
68) o-Xylene	11.95	106	123341	19.564	ug/l	98
69) Styrene	11.97	104	200769	19.277	ug/l	99
70) Isopropylbenzene	12.25	105	338122	19.865	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	116556	20.341	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	102075m	19.659	ug/l	
73) Bromobenzene	12.53	156	81846	19.797	ug/l	96
74) n-propylbenzene	12.59	91	405888	20.373	ug/l	99
75) 2-Chlorotoluene	12.68	91	244505	20.398	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	289975	19.891	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	38006	19.214	ug/l	96
78) 4-Chlorotoluene	12.78	91	244843	19.818	ug/l	100
79) tert-butylbenzene	13.00	119	243109	19.519	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	286420	19.772	ug/l	99
81) sec-Butylbenzene	13.17	105	326096	19.455	ug/l	98
82) p-Isopropyltoluene	13.29	119	288136	19.143	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	146205	19.543	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	138629	18.552	ug/l	99
85) n-Butylbenzene	13.62	91	247100	17.931	ug/l	99
86) Hexachloroethane	13.88	117	56466	20.614	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	145574	19.711	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24700	19.366	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	73526	15.767	ug/l	98
90) Hexachlorobutadiene	15.01	225	45462	18.879	ug/l	100
91) Naphthalene	15.13	128	206557	15.002	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	75175	16.560	ug/l	98

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VN1025WBSD01

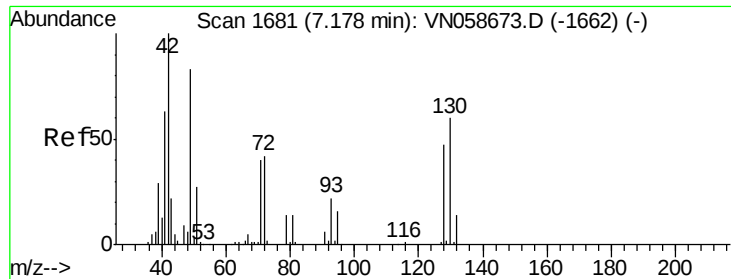
Manual Integrations
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QLast Update : Fri Oct 11 04:26:47 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion:128 Resp: 57608

Ion Ratio Lower Upper

128 100

49 191.5 0.0 453.5

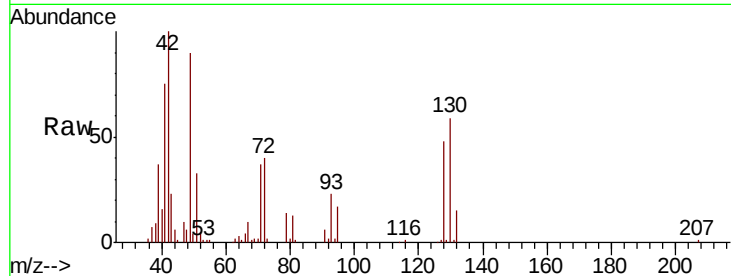
130 129.7 0.0 314.2

Manual Integrations

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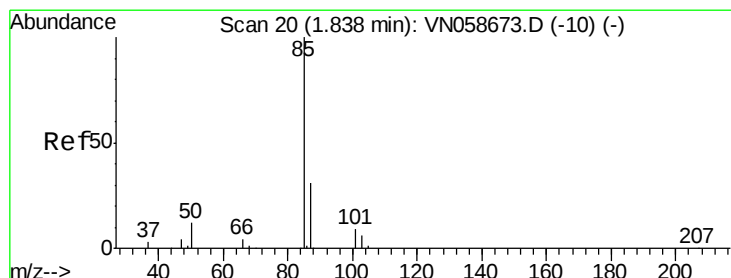
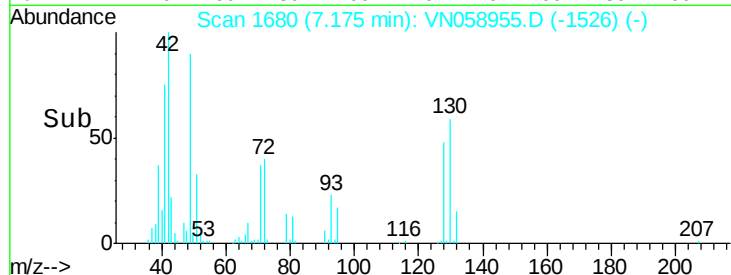
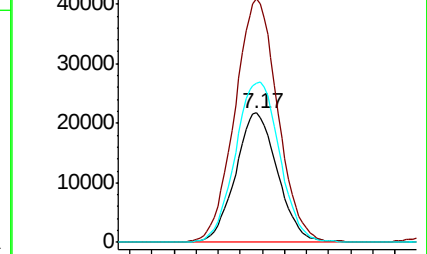
10/25/2019 2:36:51 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.529 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058955.D

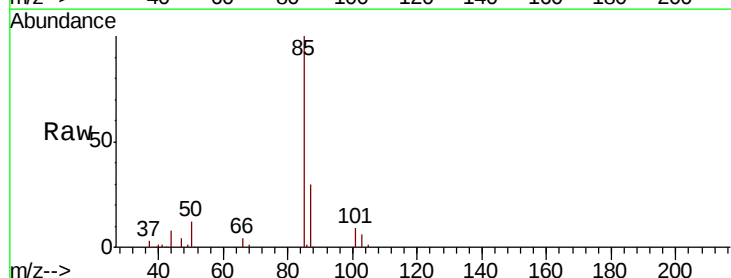
Acq: 24 Oct 2019 13:00

Tgt Ion: 85 Resp: 67197

Ion Ratio Lower Upper

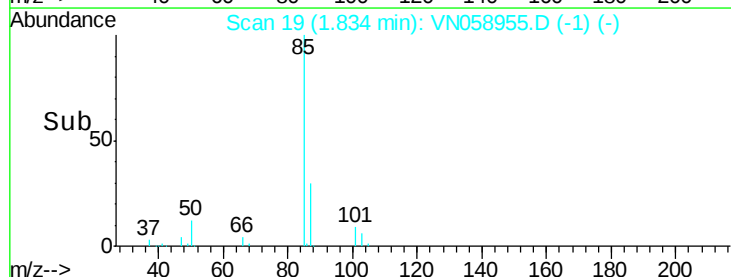
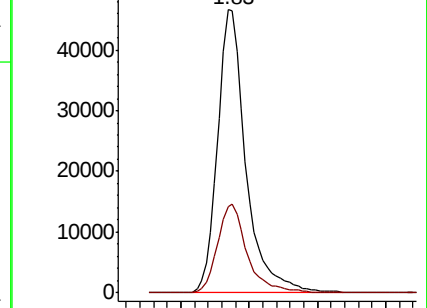
85 100

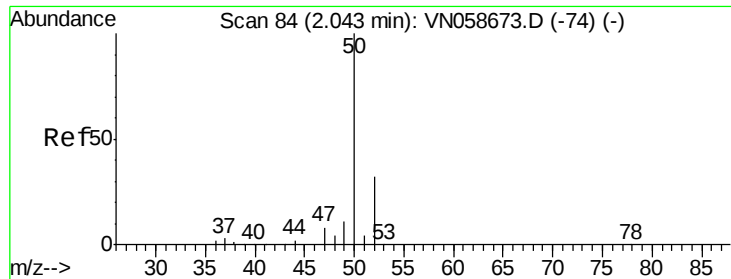
87 30.5 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 21.351 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 50 Resp: 89019

Ion Ratio Lower Upper

50 100

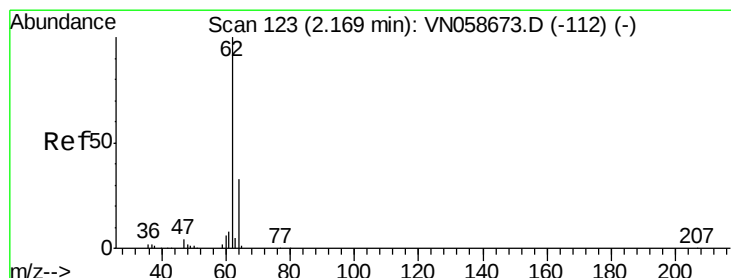
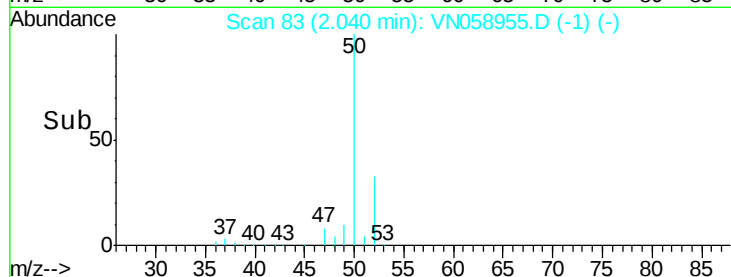
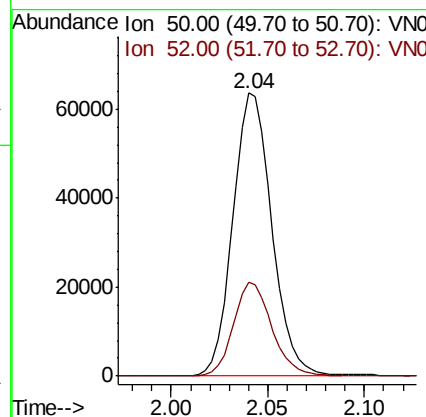
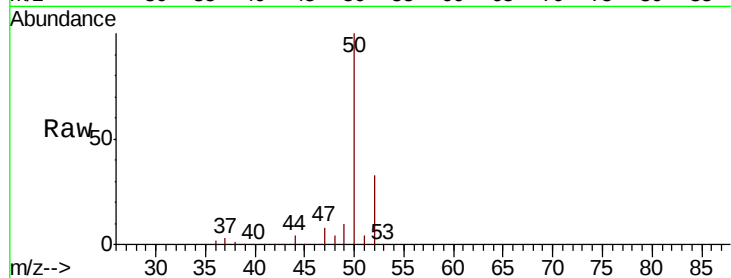
52 33.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.212 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058955.D

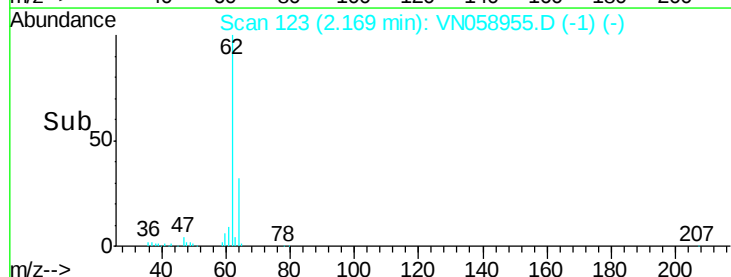
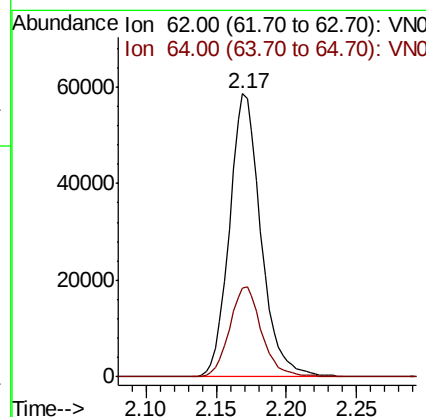
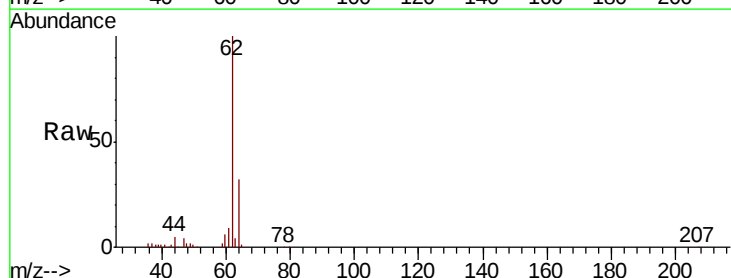
Acq: 24 Oct 2019 13:00

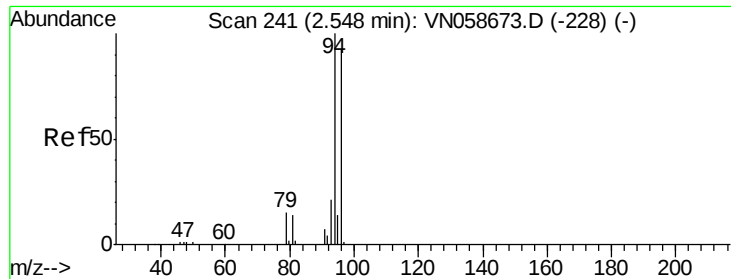
Tgt Ion: 62 Resp: 91408

Ion Ratio Lower Upper

62 100

64 31.5 26.1 39.1





#5

Bromomethane

Concen: 21.076 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 94 Resp: 56074

Ion Ratio Lower Upper

94 100

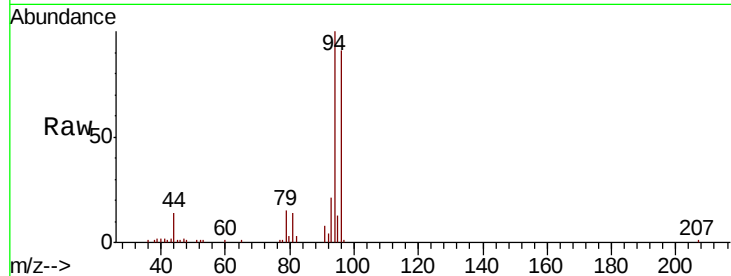
96 91.4 73.7 110.5

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

30000

25000

20000

15000

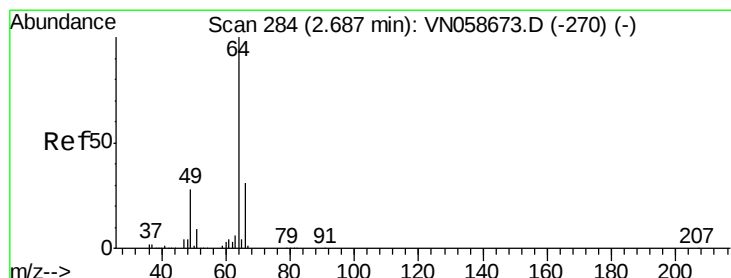
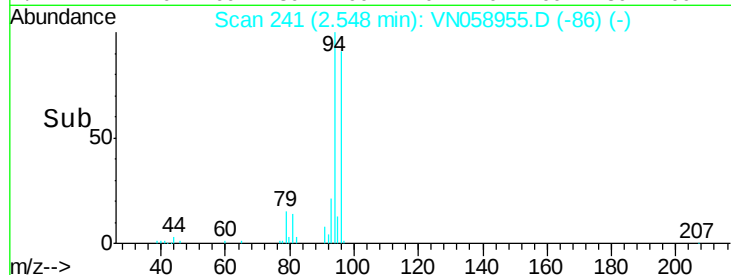
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 22.040 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058955.D

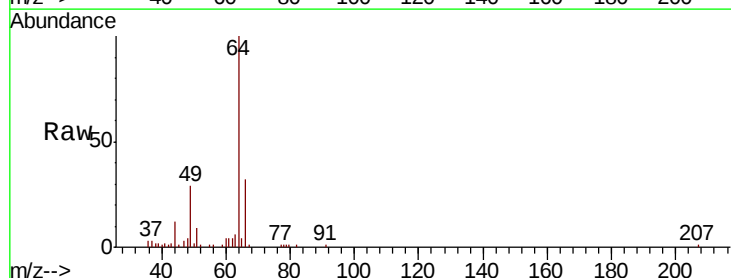
Acq: 24 Oct 2019 13:00

Tgt Ion: 64 Resp: 59698

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

30000

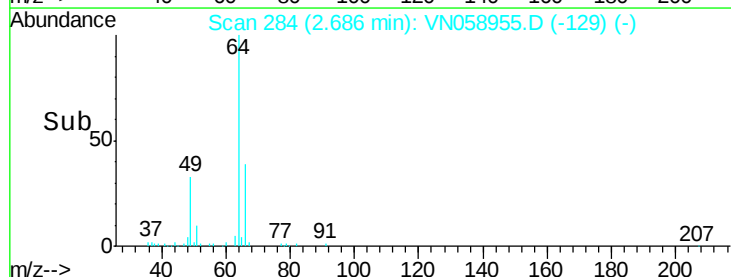
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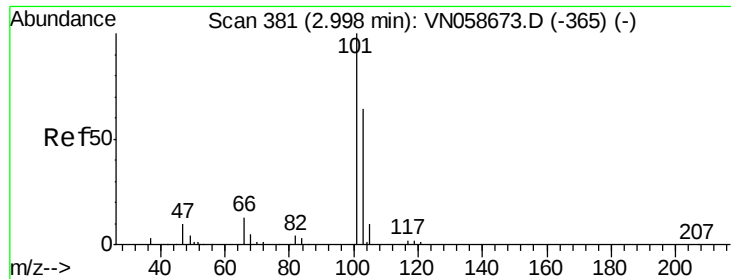
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0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

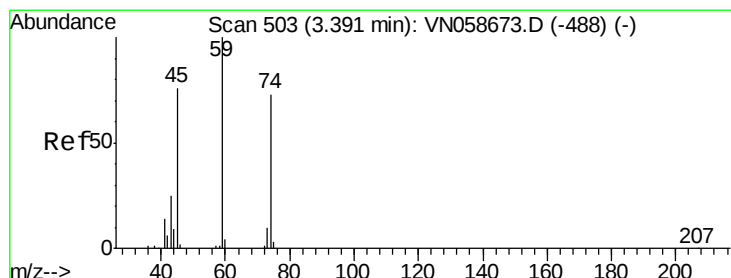
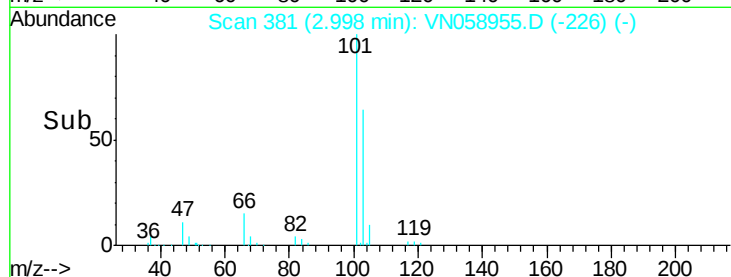
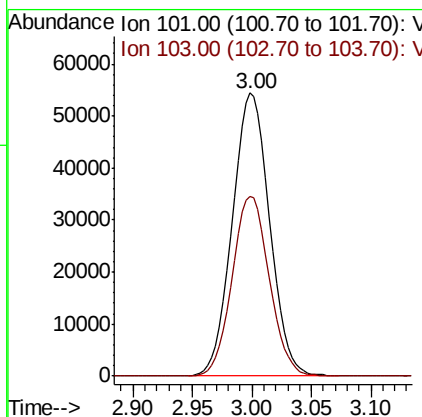
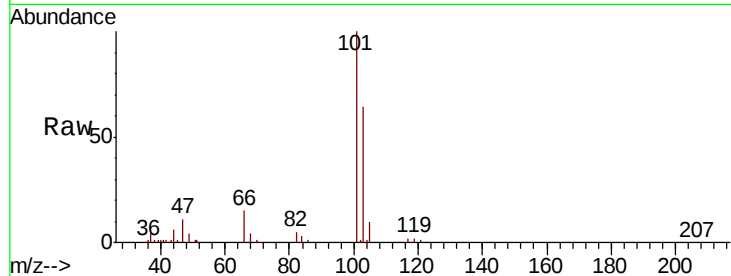
Trichlorofluoromethane
 Concen: 22.304 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
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 VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	118298		
103	63.7	51.5	77.3	

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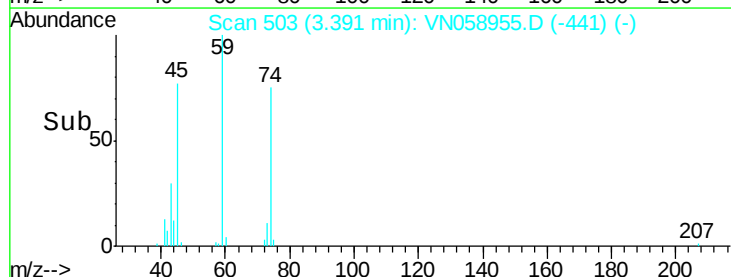
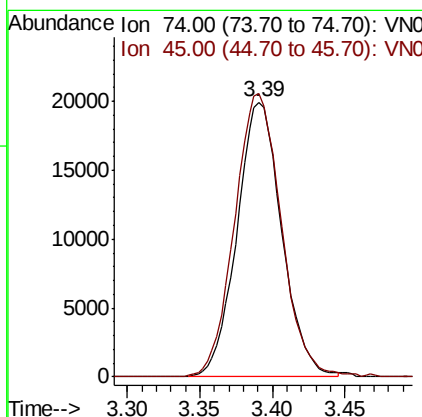
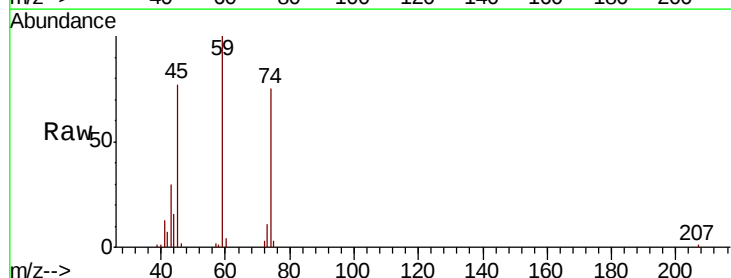
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 10/25/2019 2:36:51 PM

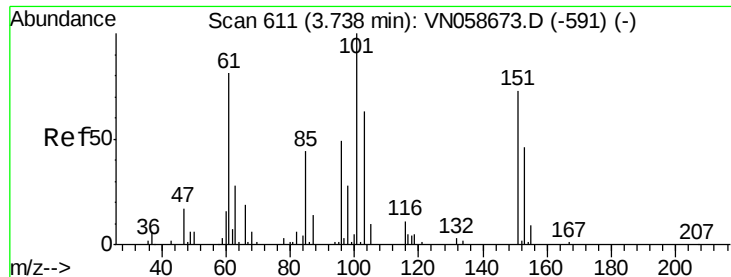


#8

Diethyl Ether
 Concen: 21.174 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42833		
45	107.4	20.6	185.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.328 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

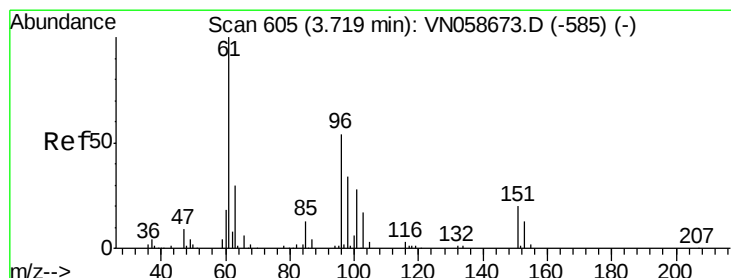
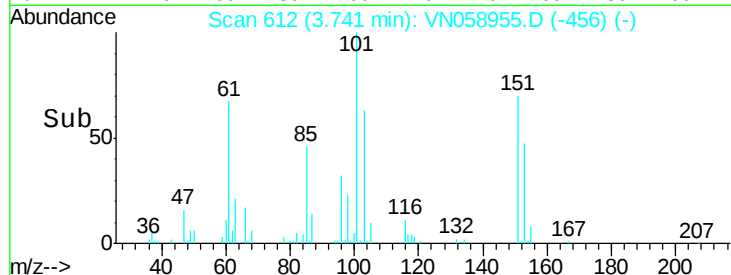
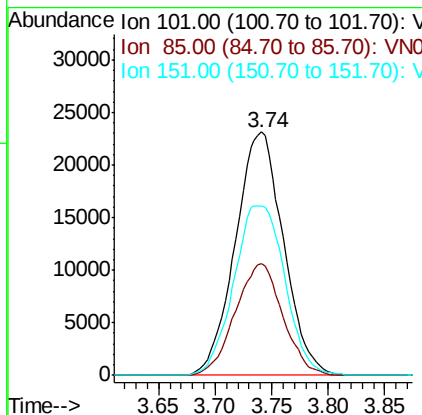
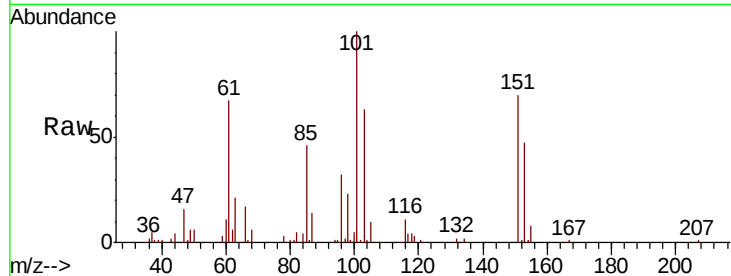
ClientSampleId :

VN1025WBSD01

Tot Ion:	101	Resp:	68522
Ion Ratio	Lower	Upper	
101	100		
85	45.3	0.0	93.8
151	73.8	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.685 ug/l

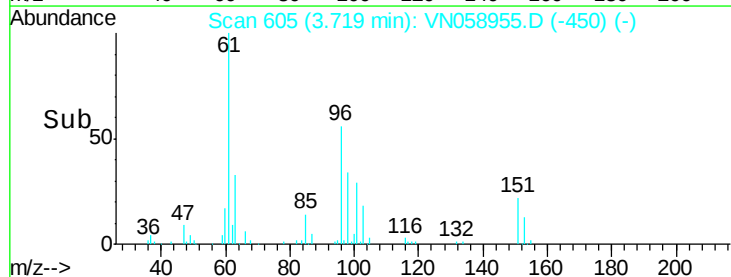
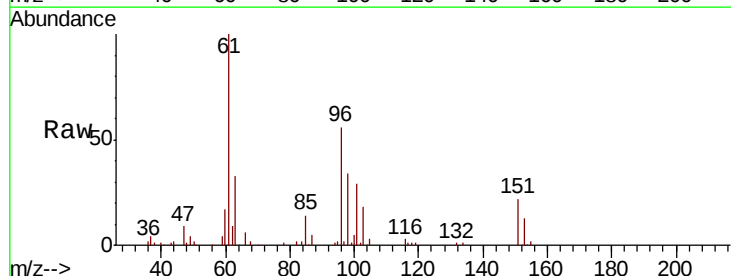
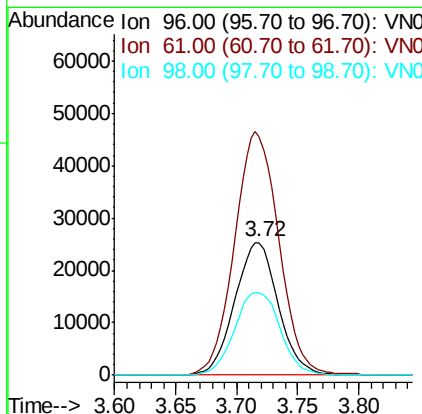
RT: 3.72 min Scan# 605

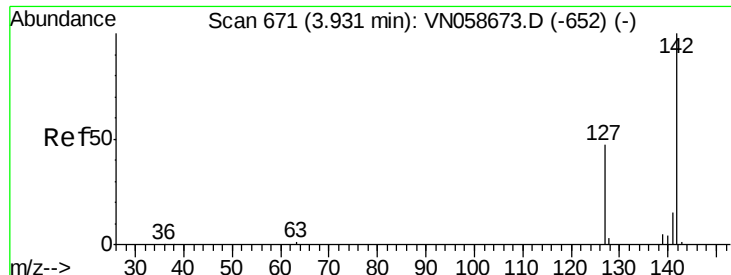
Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion:	96	Resp:	62347
Ion Ratio	Lower	Upper	
96	100		
61	179.5	148.5	222.7
98	61.7	51.0	76.6





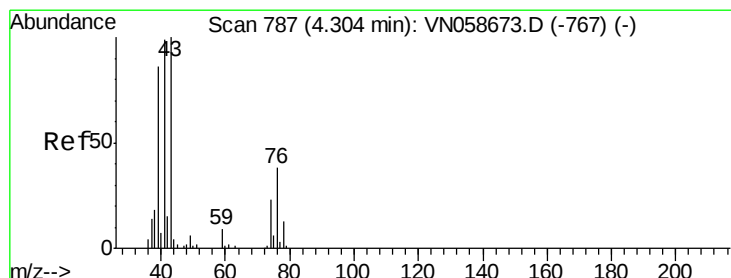
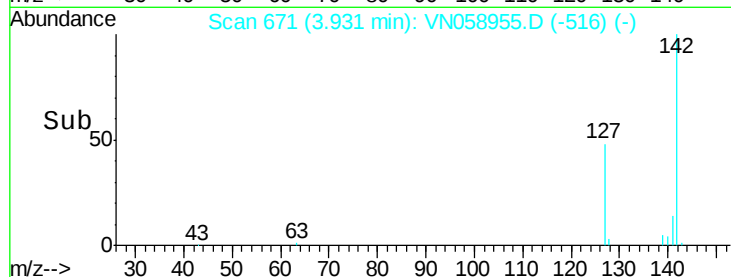
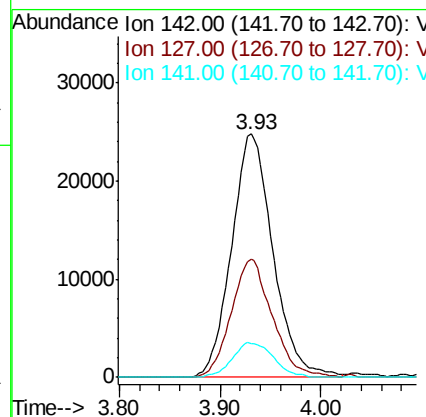
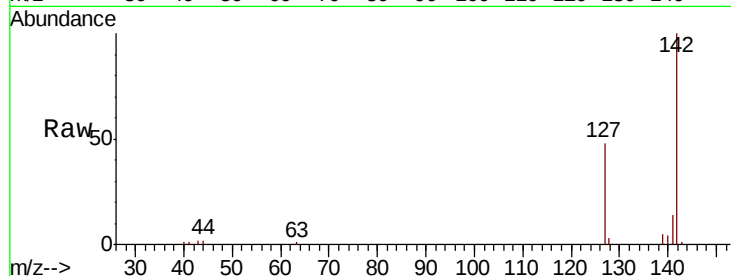
#11
Methyl Iodide
Concen: 16.910 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.7	23.5	70.6
141	14.1	7.4	22.2

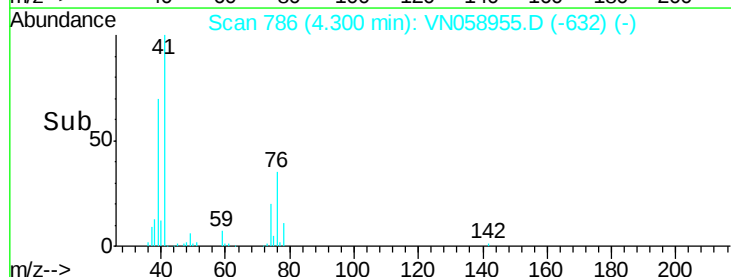
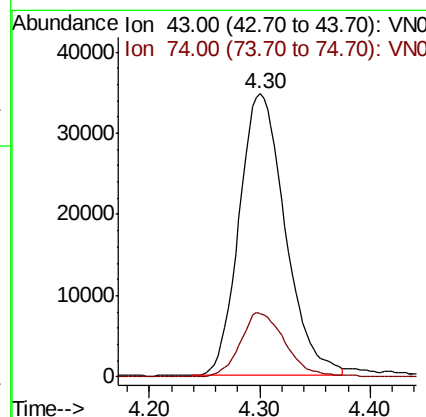
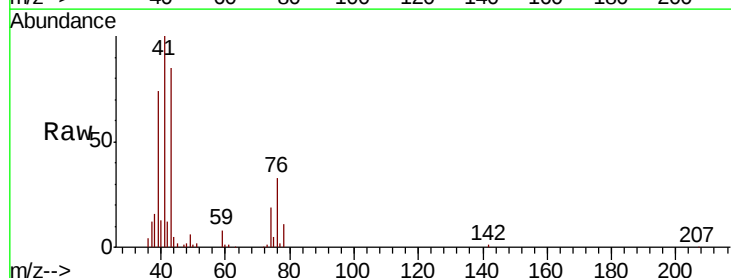
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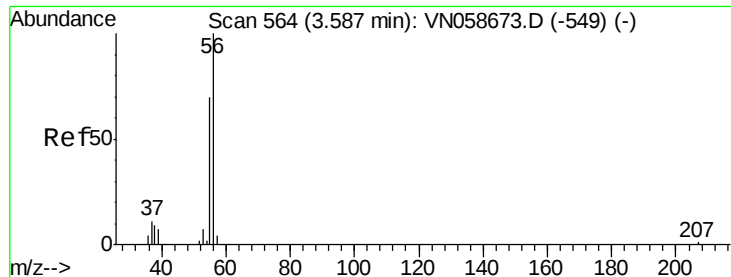
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#12
Methyl Acetate
Concen: 20.792 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.1	27.1





#13

Acrolein

Concen: 85.307 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 56 Resp: 45455

Ion Ratio Lower Upper

56 100

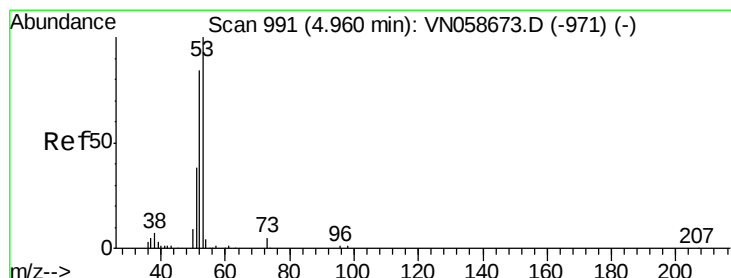
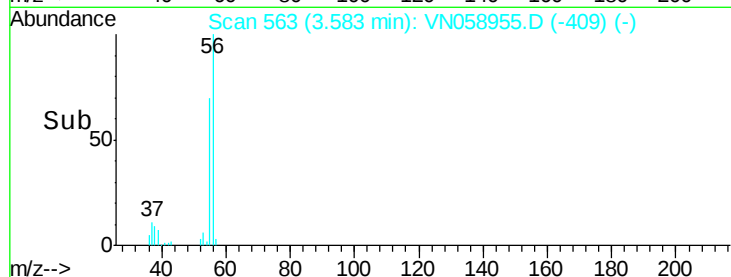
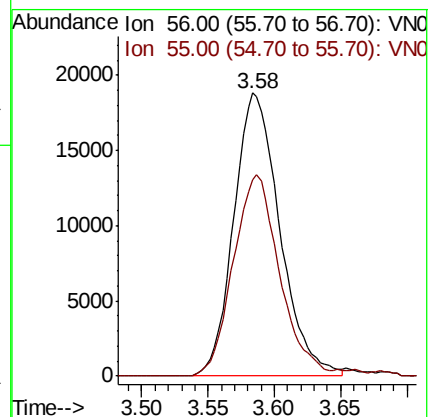
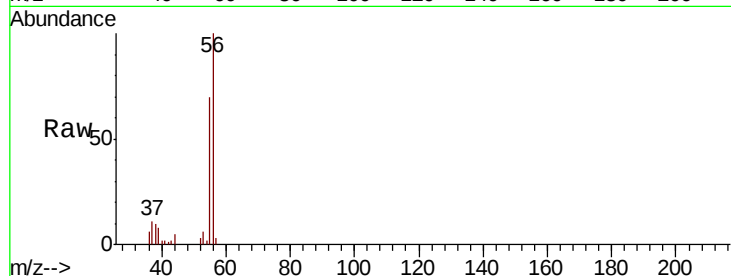
55 71.4 55.9 83.9

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#14

Acrylonitrile

Concen: 105.903 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

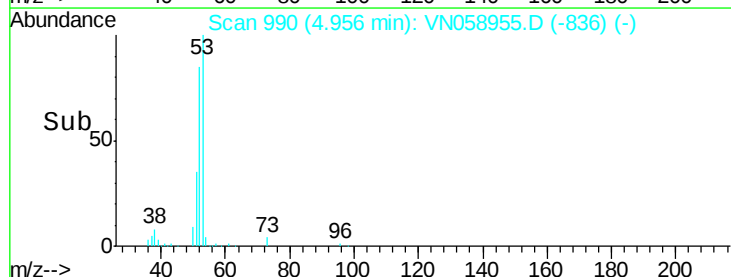
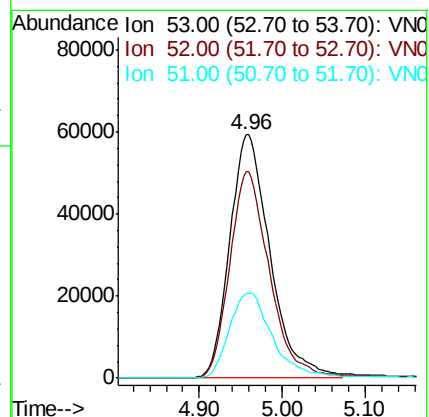
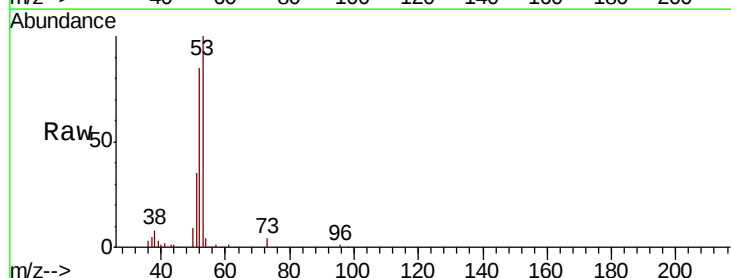
Tgt Ion: 53 Resp: 201234

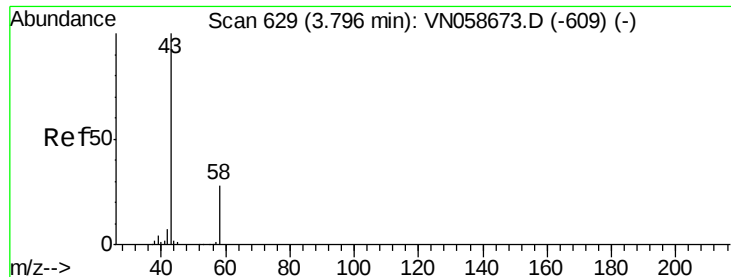
Ion Ratio Lower Upper

53 100

52 83.2 42.2 126.6

51 36.6 18.8 56.4





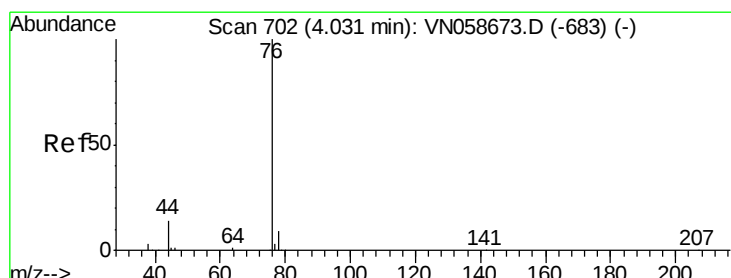
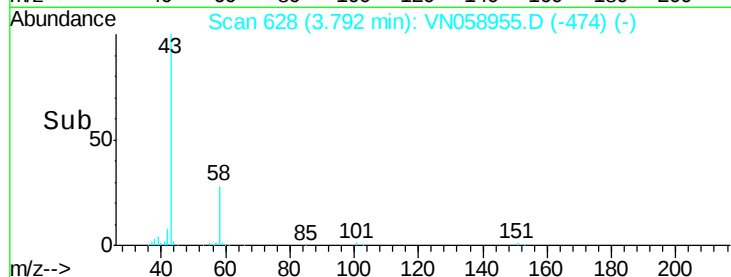
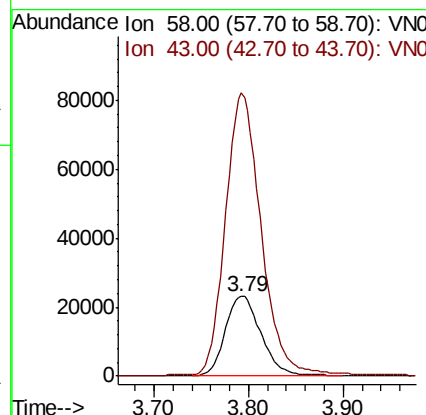
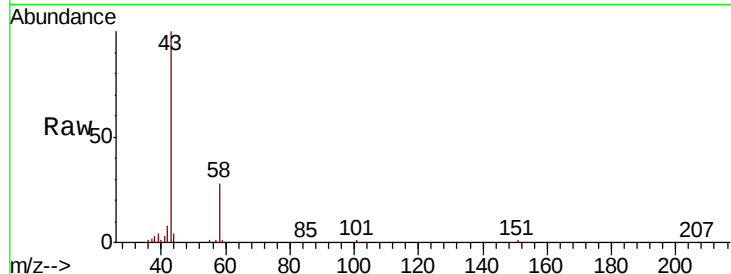
#15
Acetone
Concen: 109.152 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion: 58 Resp: 61566
Ion Ratio Lower Upper
58 100
43 352.6 281.7 422.5

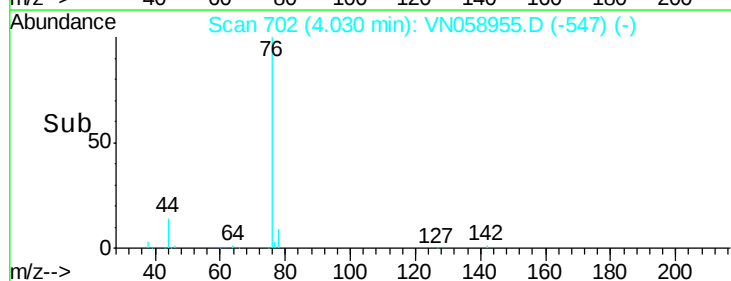
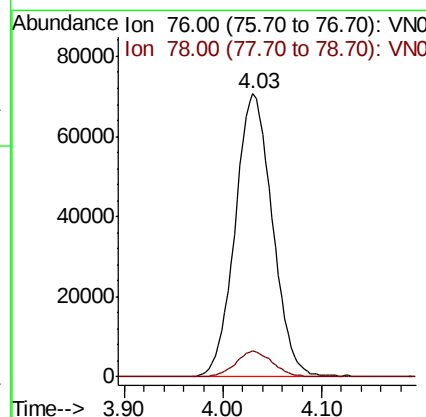
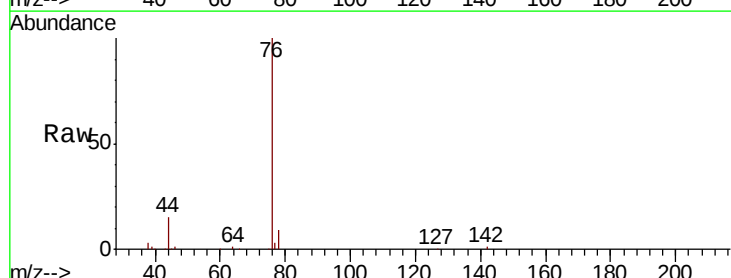
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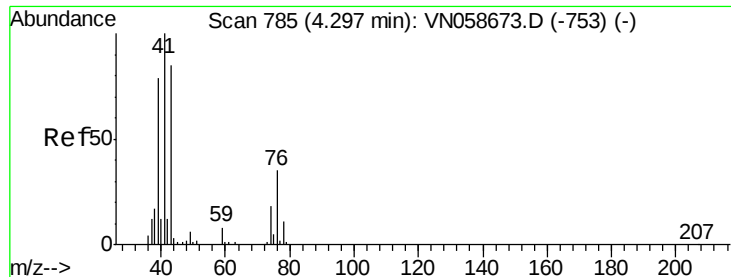
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#16
Carbon Disulfide
Concen: 21.097 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 76 Resp: 185472
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0





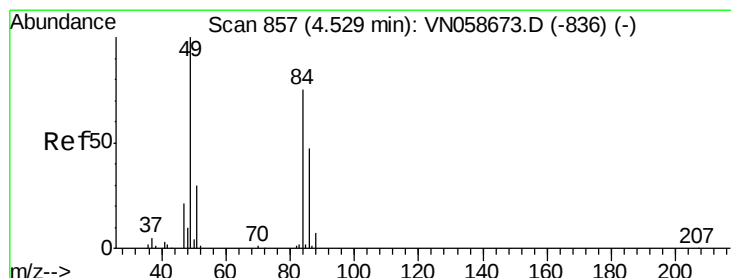
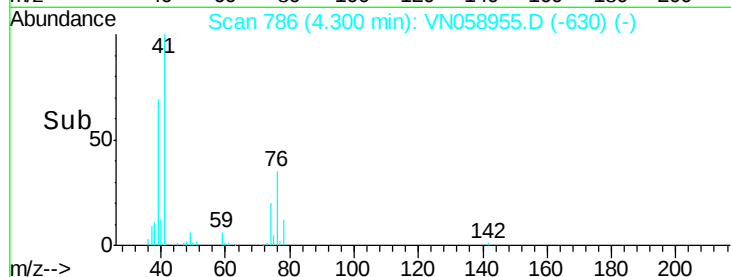
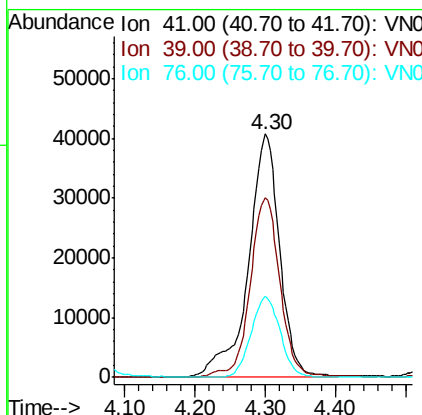
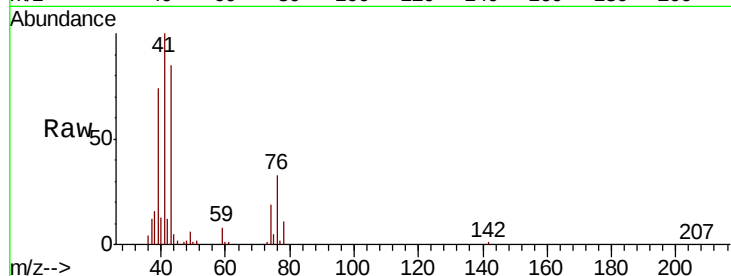
#17
Allvl chloride
Concen: 20.935 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.9	39.6	118.8
76	33.3	17.6	52.9

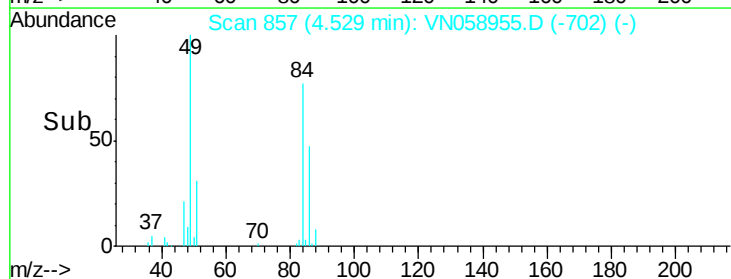
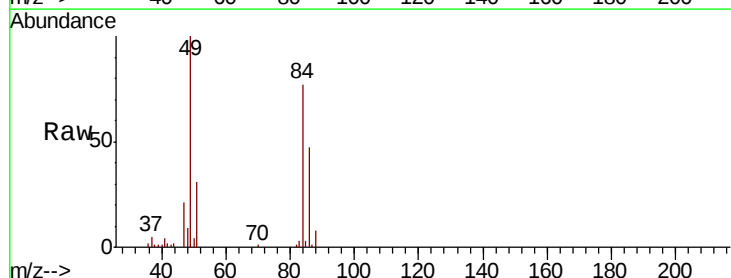
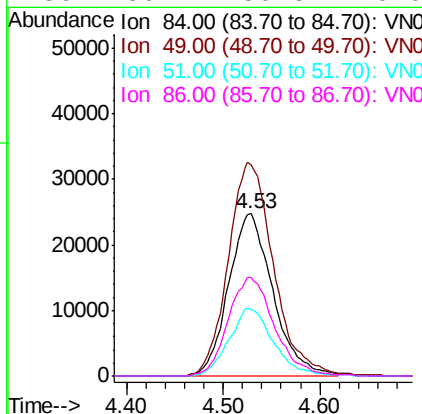
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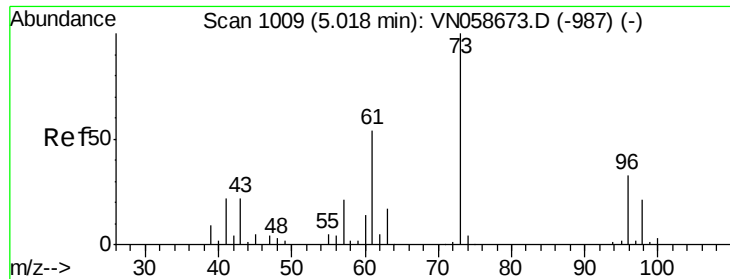
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#18
Methylene Chloride
Concen: 21.588 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.4	106.6	160.0
51	40.8	32.4	48.6
86	60.7	50.6	76.0





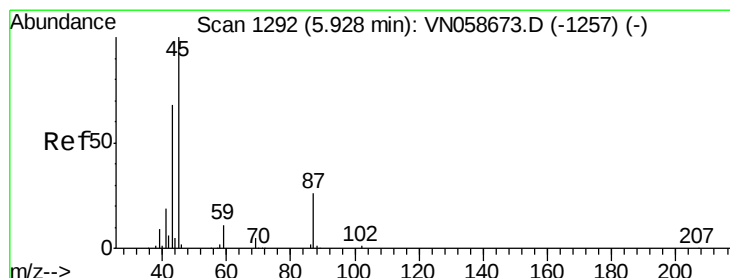
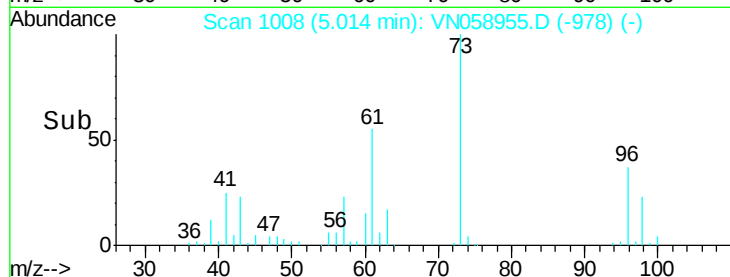
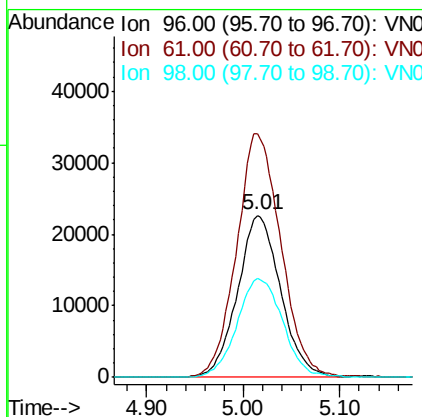
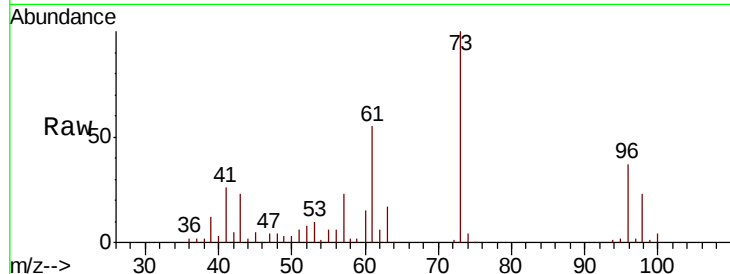
#19
trans-1,2-Dichloroethene
Concen: 21.295 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.9	131.8	197.6	
98	61.1	52.6	79.0	

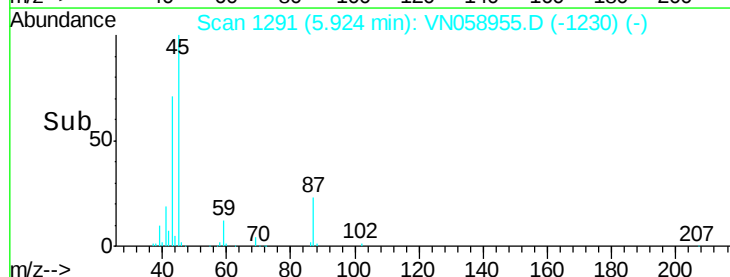
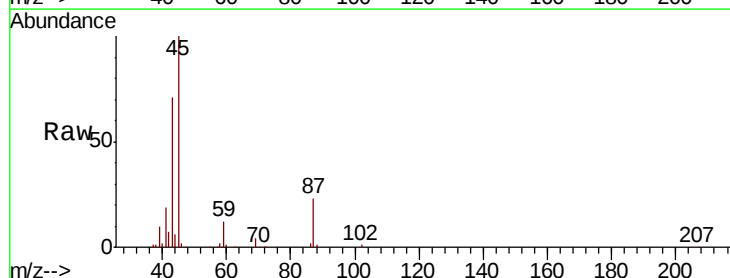
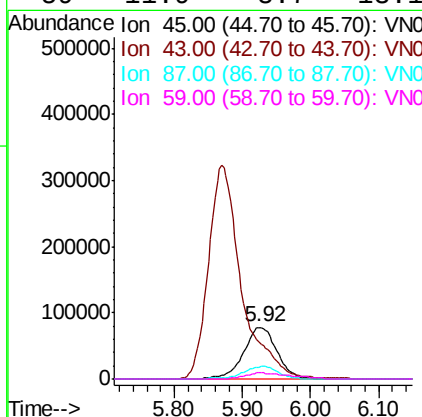
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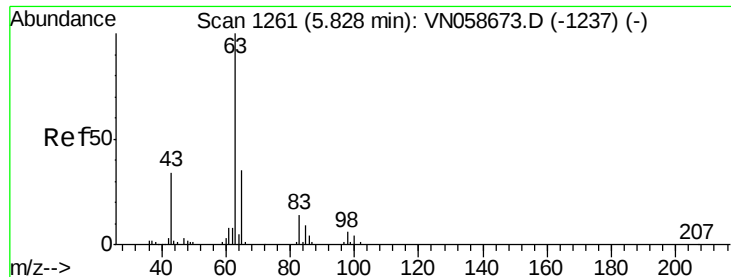
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#20
Diisopropyl ether
Concen: 21.624 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	69.9	54.7	82.1	
87	23.3	21.5	32.3	
59	11.9	8.7	13.1	





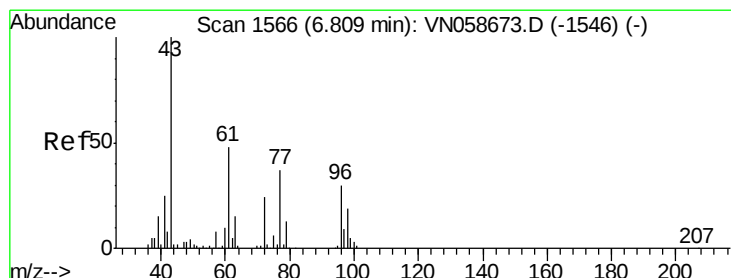
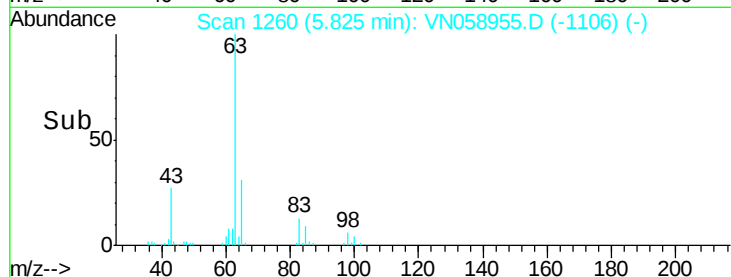
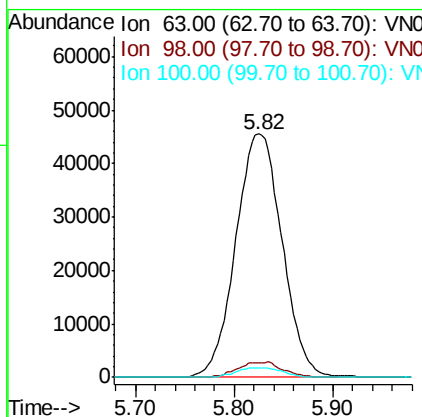
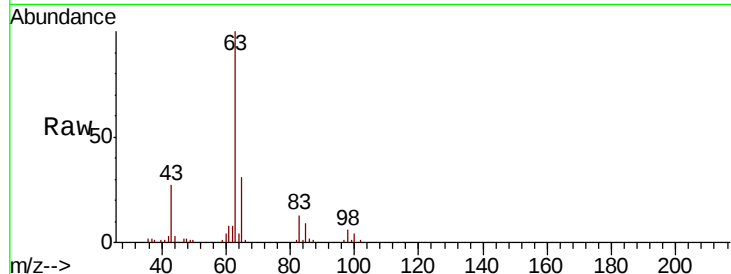
#21
 1,1-Dichloroethane
 Concen: 21.877 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.0	2.9	8.6	
100	4.0	1.8	5.5	

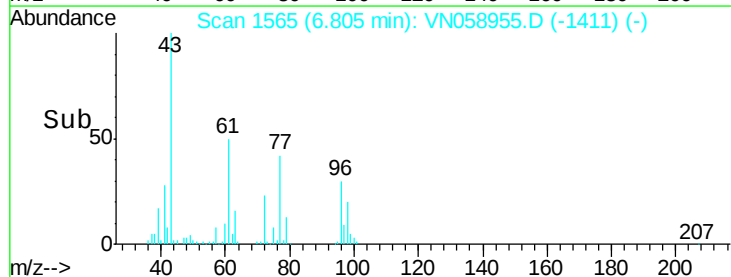
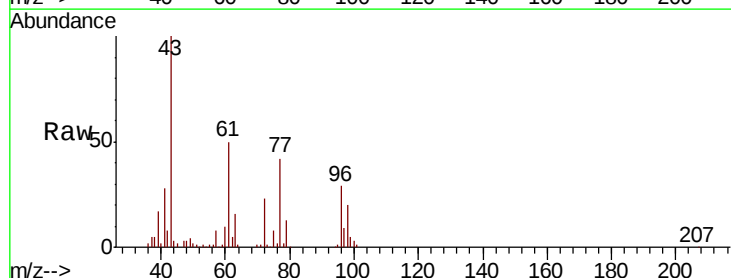
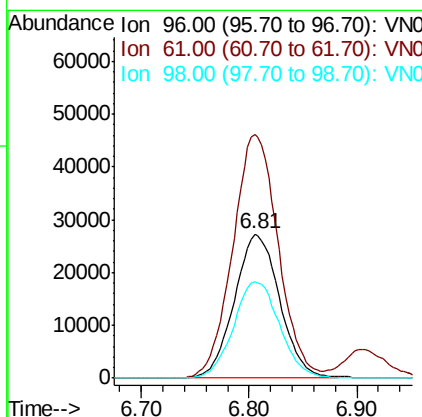
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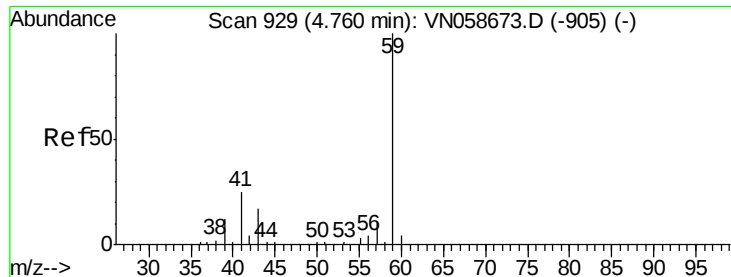
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#22
 cis-1,2-Dichloroethene
 Concen: 20.321 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	169.9	127.2	190.8	
98	68.1	50.5	75.7	





#23

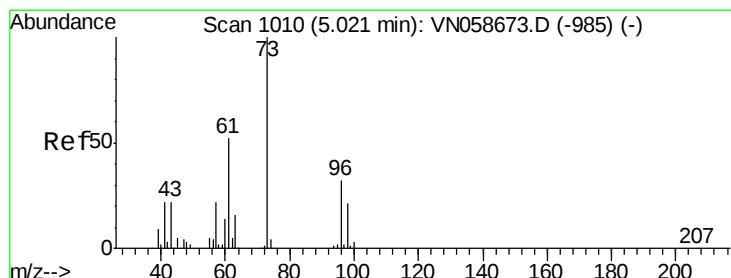
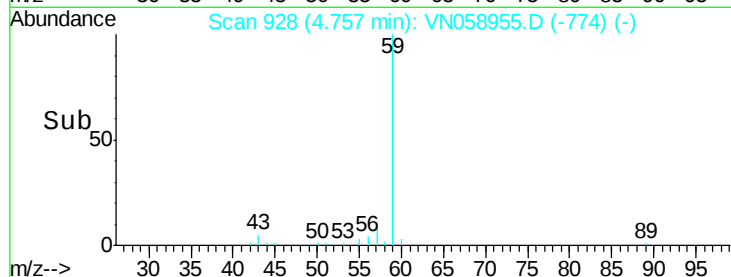
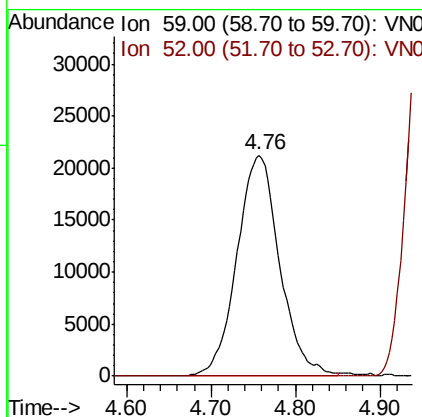
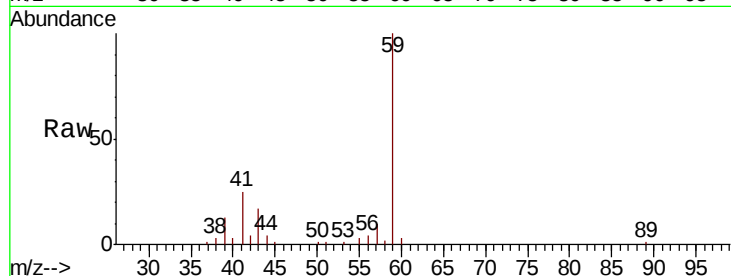
tert-Butyl Alcohol
 Concen: 96.129 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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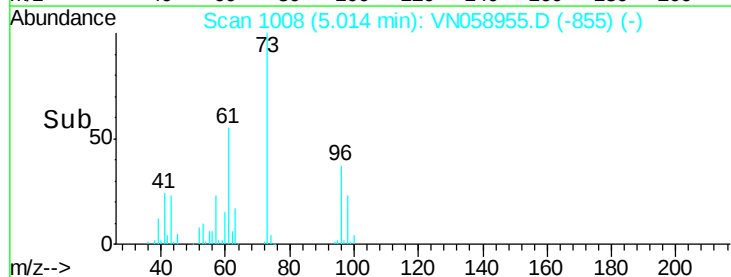
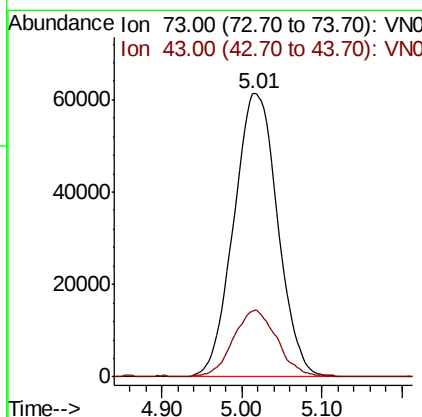
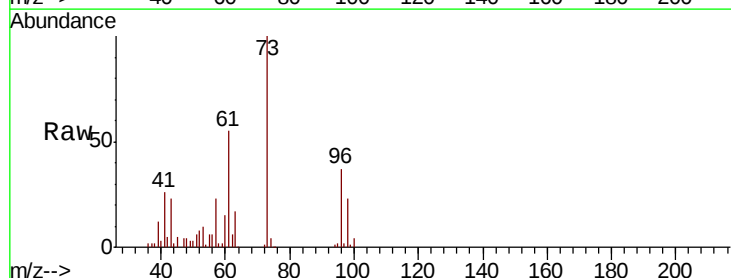
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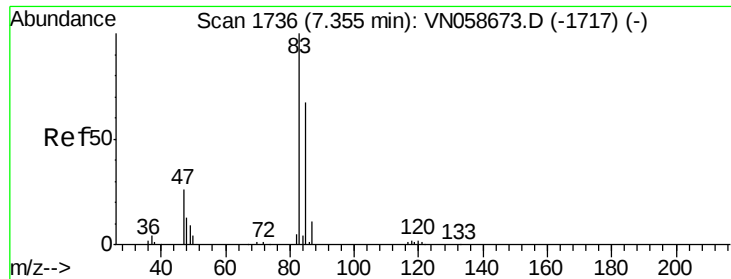


#24

Methyl tert-Butyl Ether
 Concen: 20.431 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.6	17.9	26.9





#25

Chloroform

Concen: 21.532 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 83 Resp: 145353

Ion Ratio Lower Upper

83 100

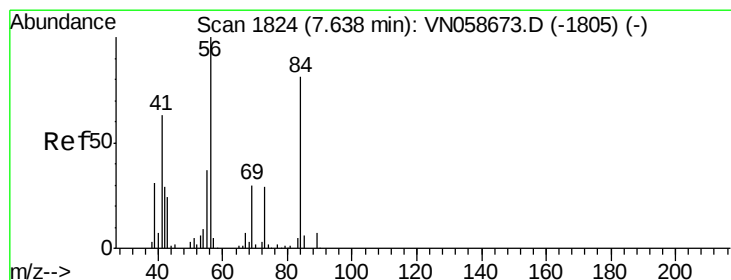
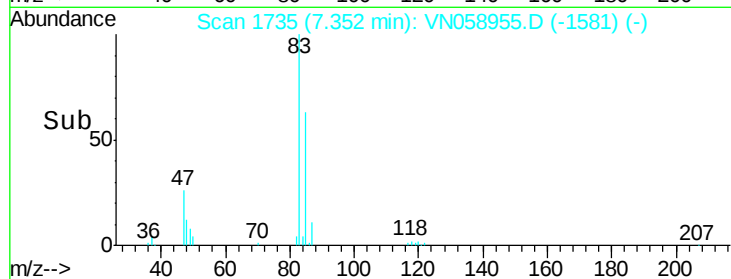
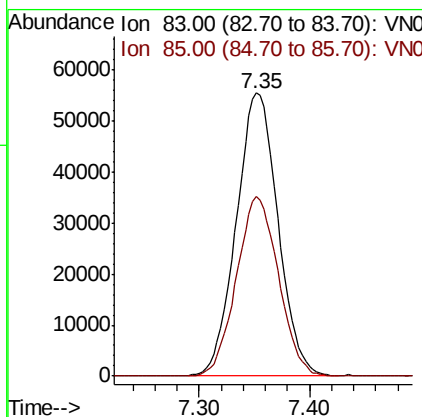
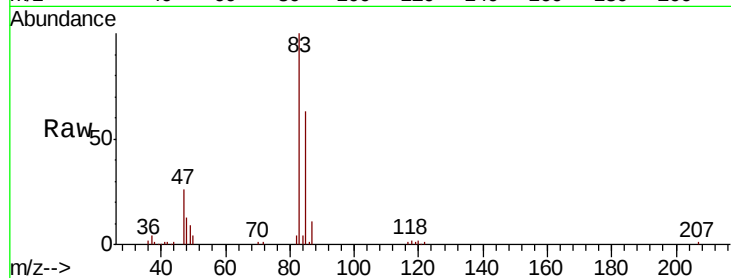
85 63.3 53.8 80.8

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#26

Cyclohexane

Concen: 20.009 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

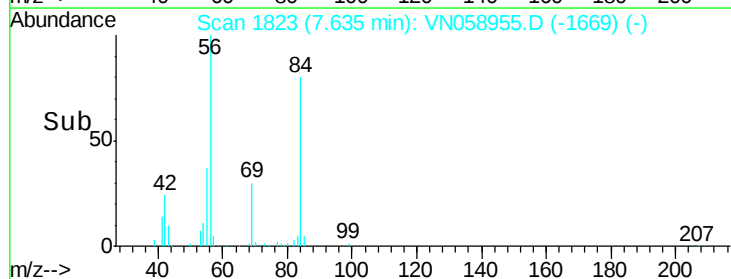
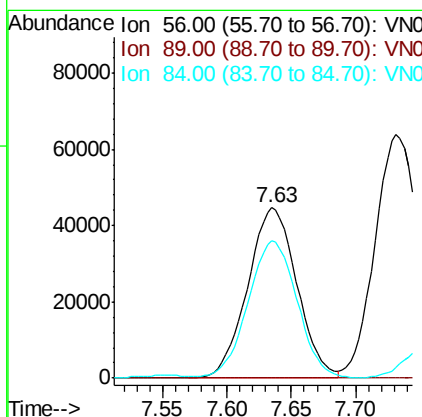
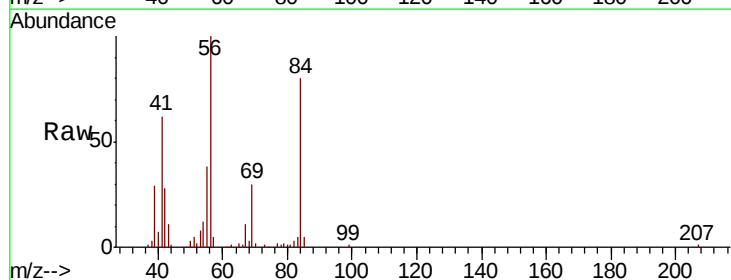
Tgt Ion: 56 Resp: 118871

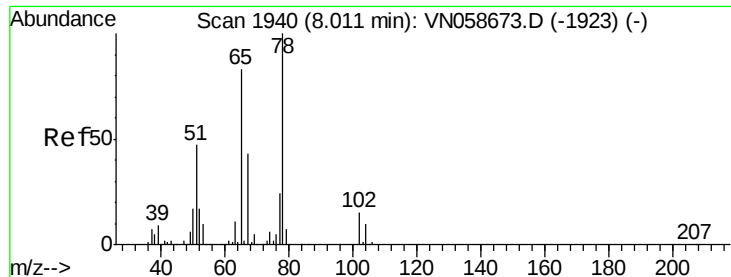
Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 80.5 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 31.402 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 65 Resp: 153537

Ion Ratio Lower Upper

65 100

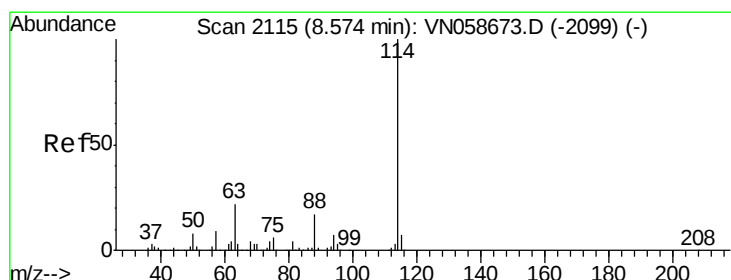
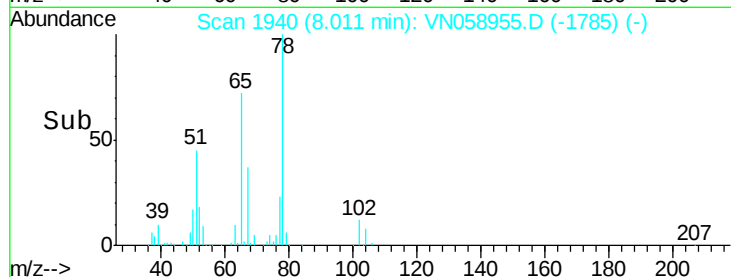
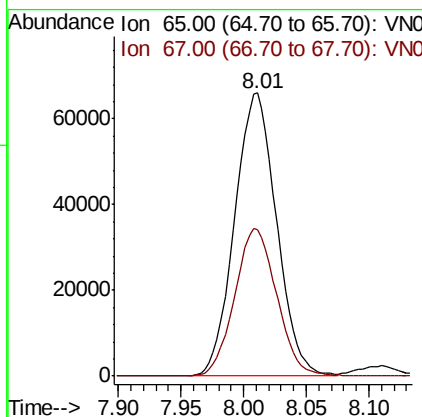
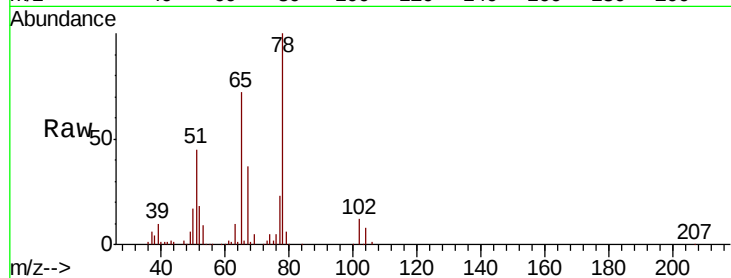
67 52.0 41.5 62.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

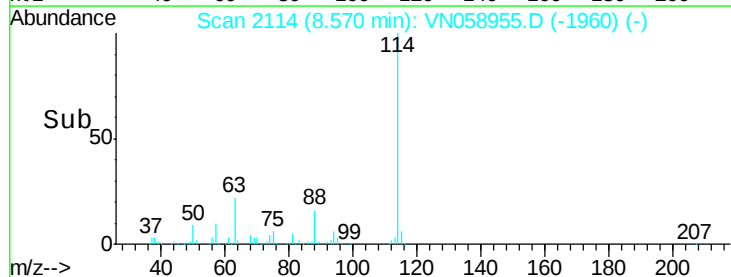
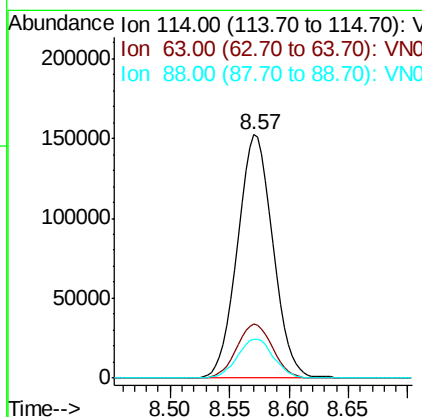
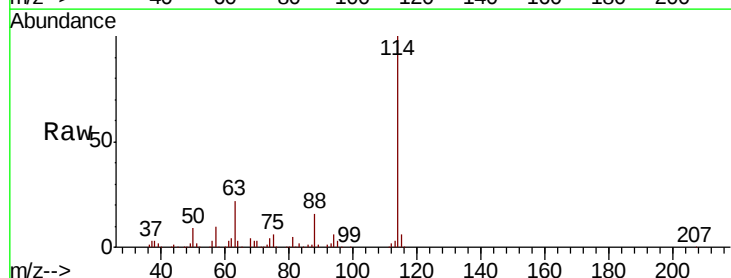
Tgt Ion: 114 Resp: 314561

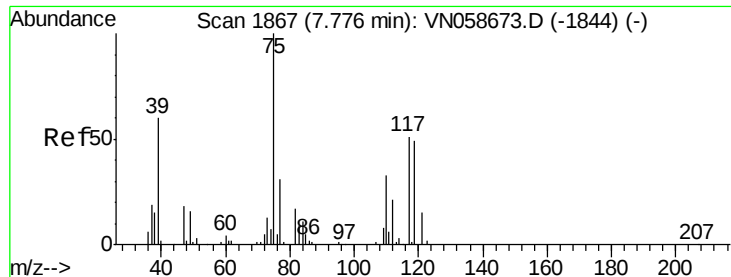
Ion Ratio Lower Upper

114 100

63 22.6 18.1 27.1

88 16.4 13.0 19.4





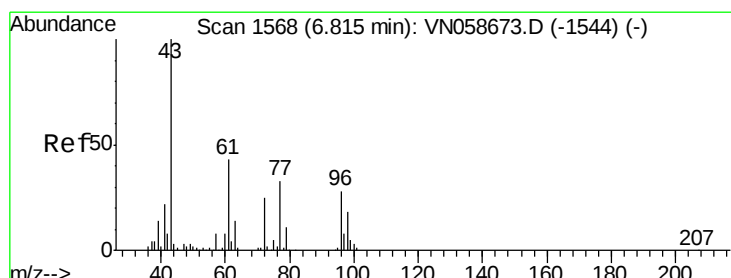
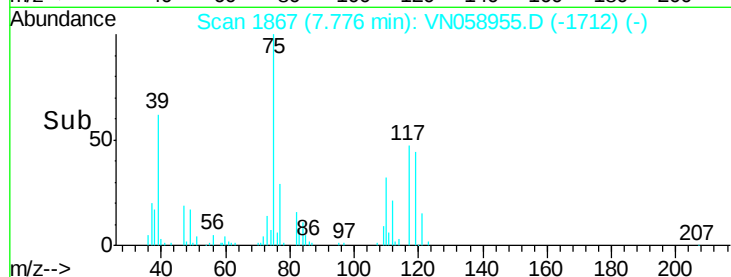
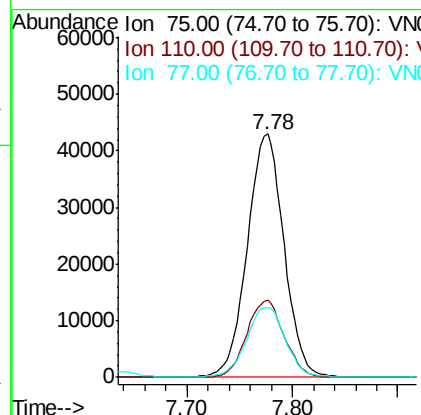
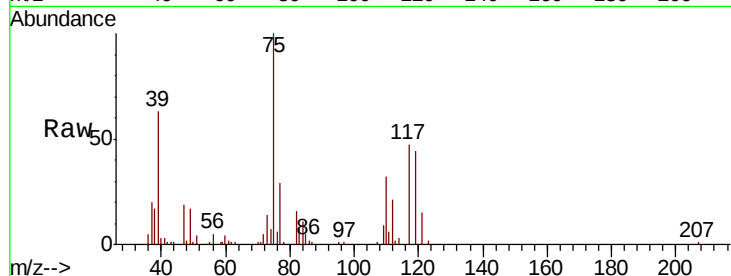
#29
 1,1-Dichloropropene
 Concen: 21.061 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.0	0.0	64.6
77	30.5	0.0	60.8

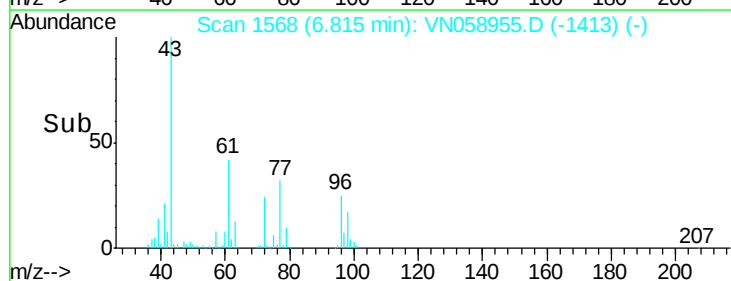
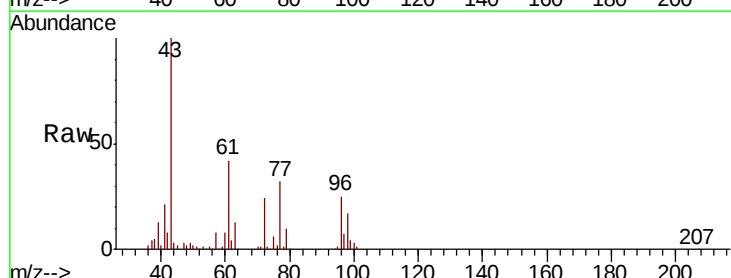
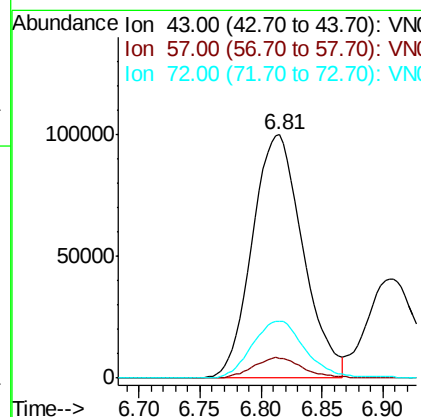
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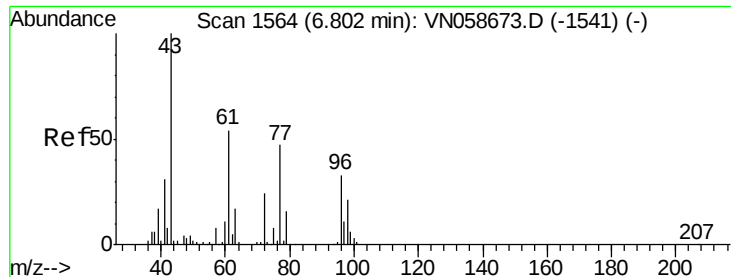
MMDadoda
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#30
 2-Butanone
 Concen: 102.780 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.5	9.7
72	24.3	20.1	30.1





#31

2,2-Dichloropropane

Concen: 21.427 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 77 Resp: 125052

Ion Ratio Lower Upper

77 100

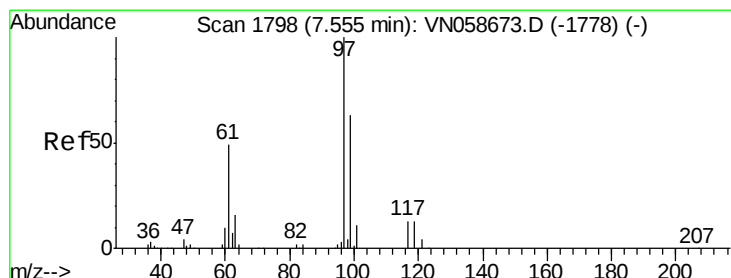
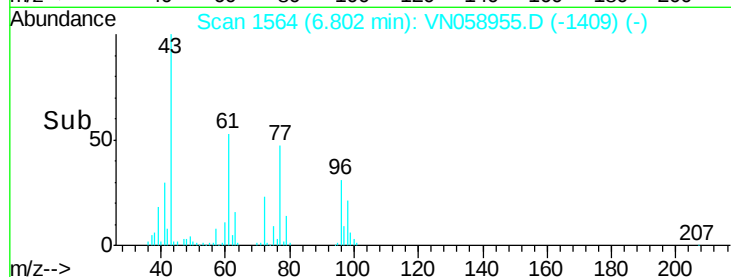
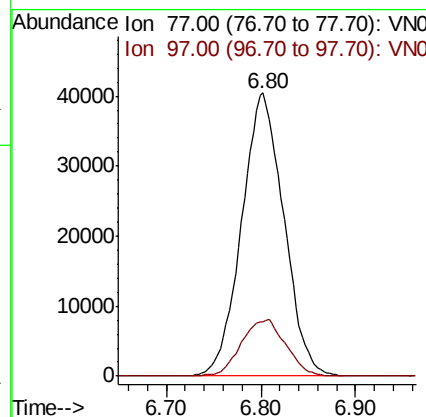
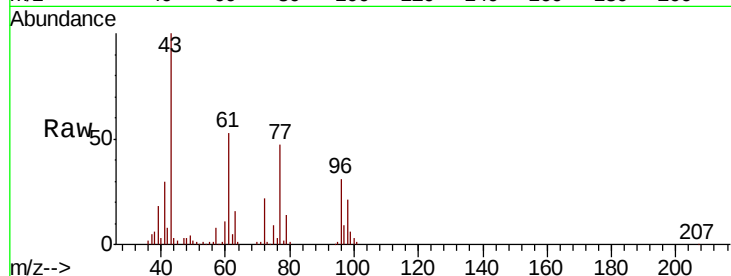
97 0.0 17.9 26.9#

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#32

1,1,1-Trichloroethane

Concen: 21.770 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

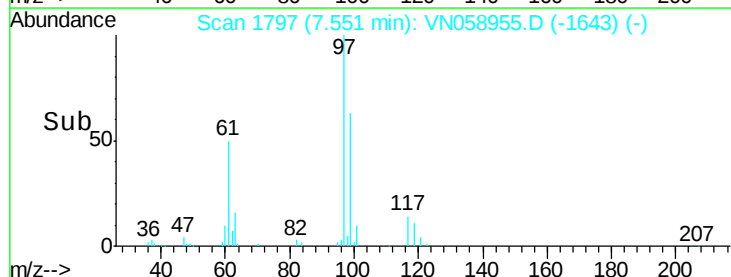
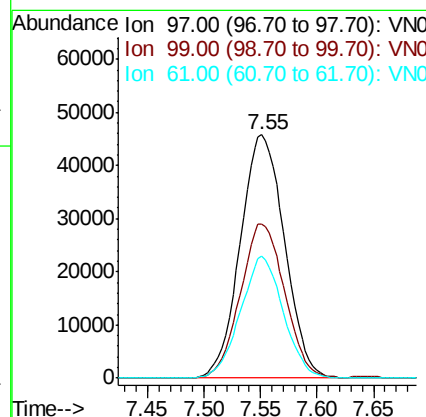
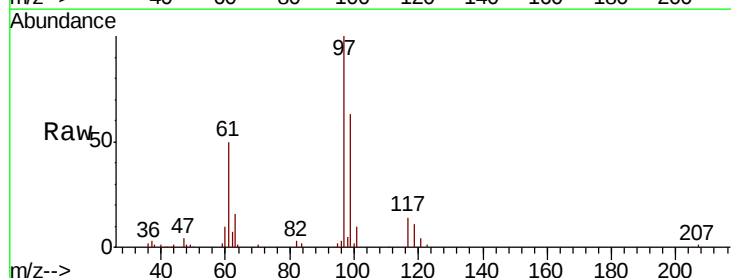
Tgt Ion: 97 Resp: 124677

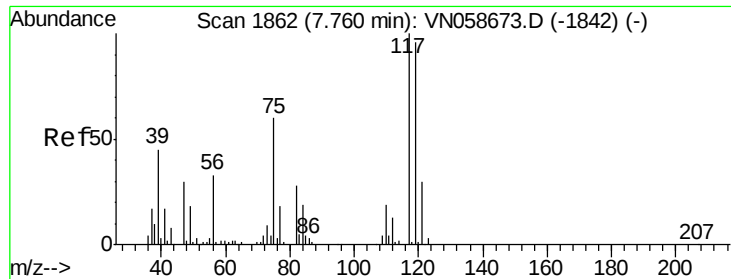
Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

61 48.2 38.4 57.6





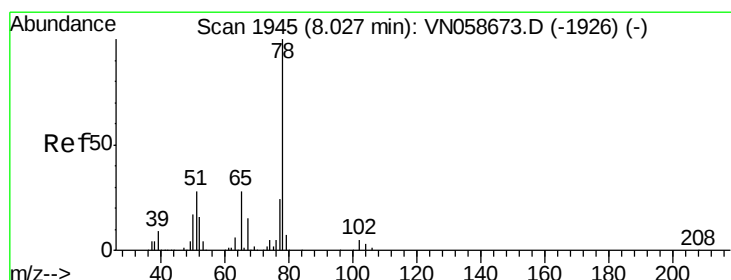
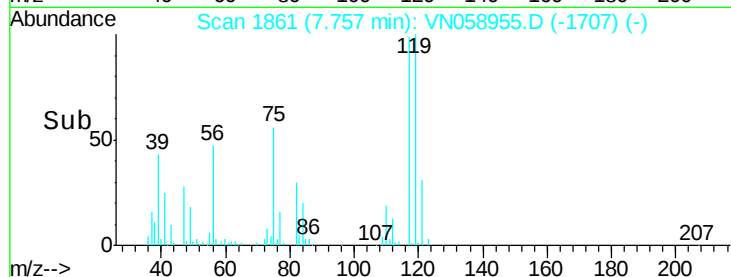
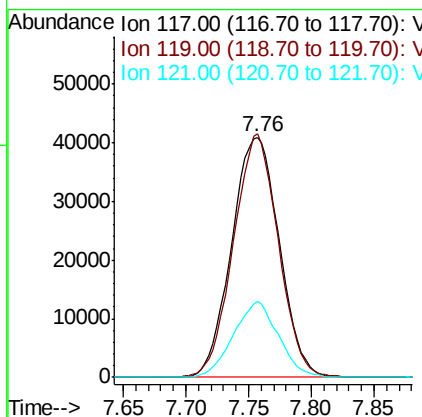
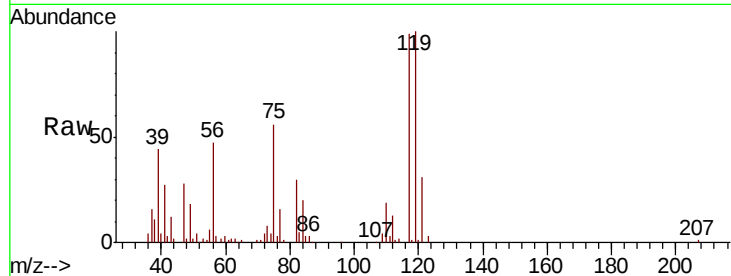
#33
Carbon Tetrachloride
Concen: 21.746 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.0	76.9	115.3
121	31.5	23.8	35.8

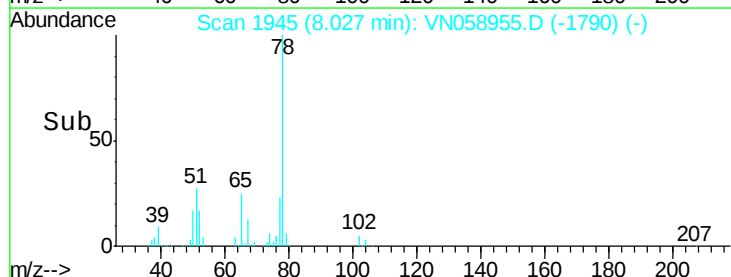
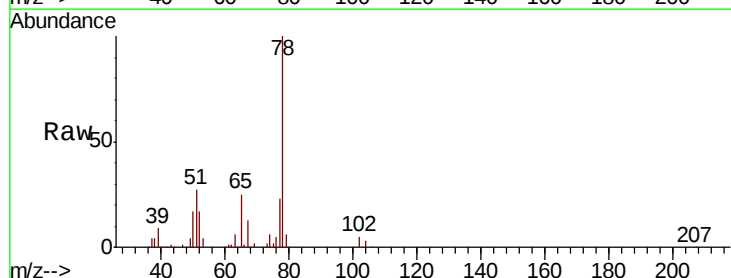
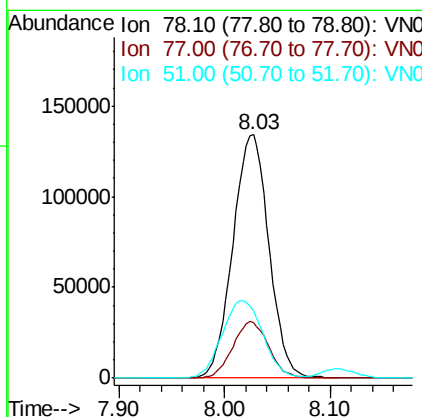
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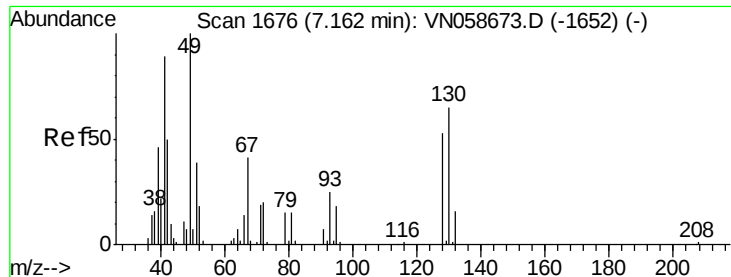
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#34
Benzene
Concen: 21.834 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8
51	27.1	22.1	33.1





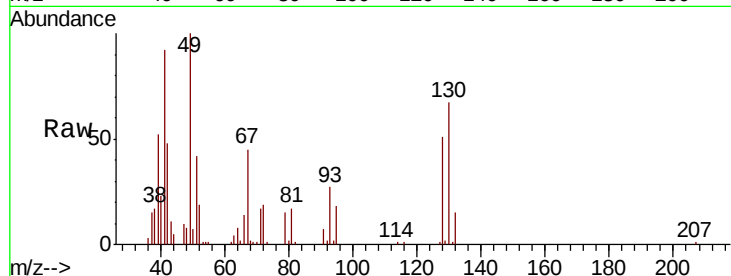
#35
Methacrylonitrile
Concen: 20.287 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	41	Resp	50148
Ion	Ratio	Lower	Upper
41	100		
39	56.2	25.8	77.4
67	48.7	23.0	69.0
52	20.9	10.1	30.1

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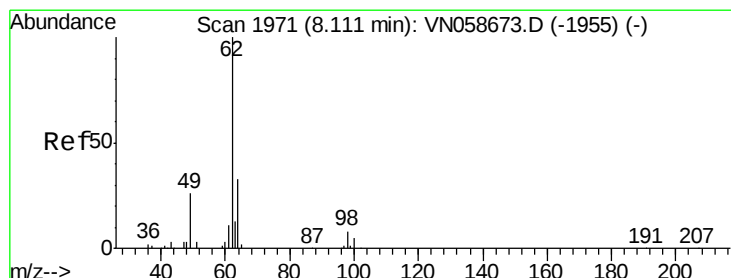
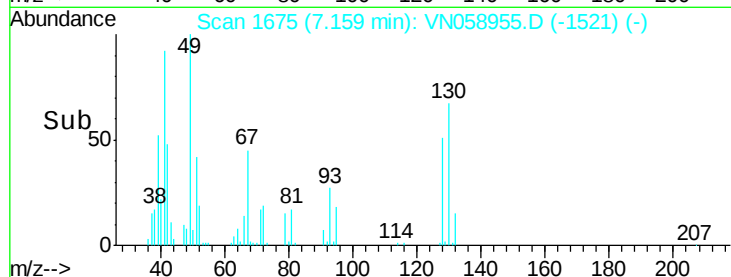
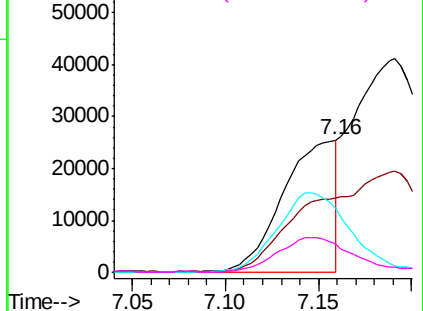
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

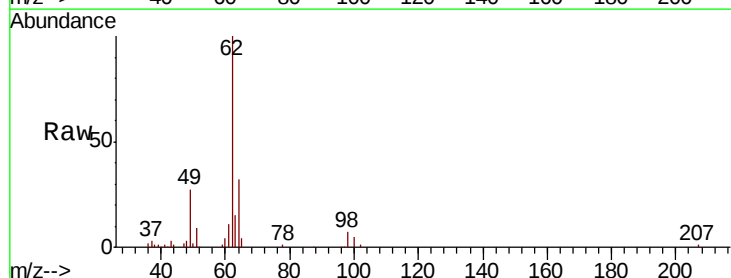
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 21.963 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

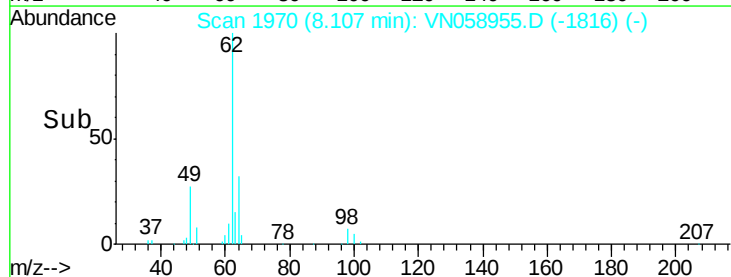
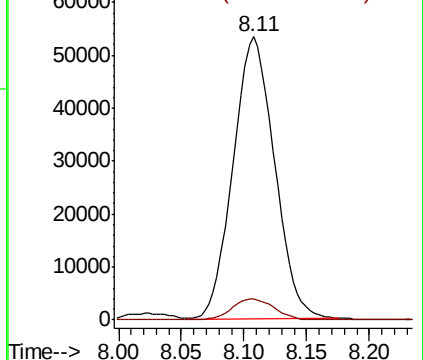
Tgt Ion	62	Resp	122415
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.4	9.6

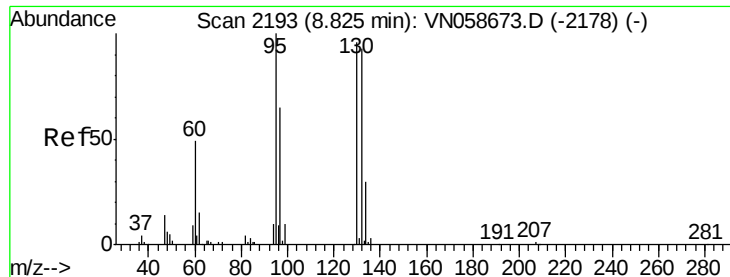


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 20.970 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion:130 Resp: 75102

Ion Ratio Lower Upper

130 100

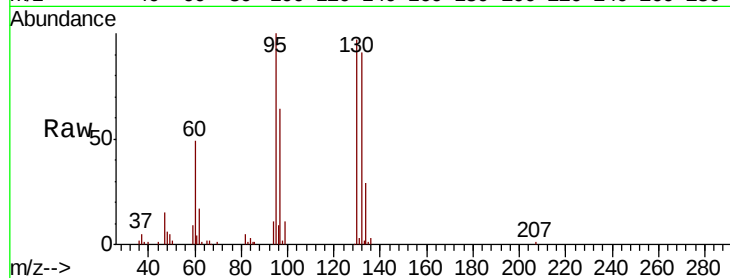
95 102.7 83.2 124.8

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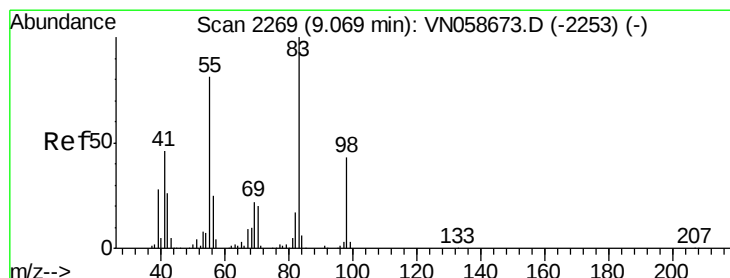
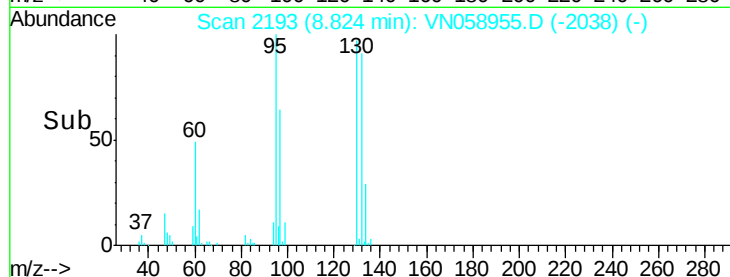
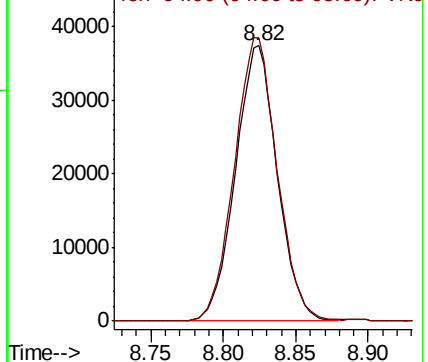
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.383 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

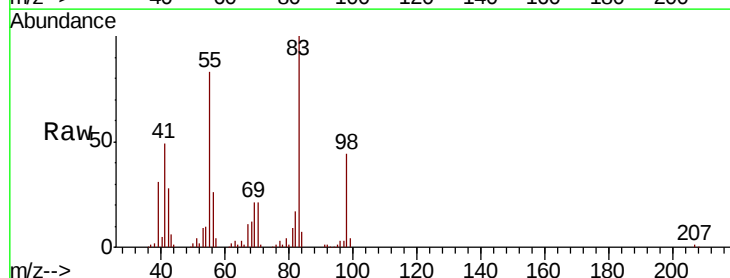
Tgt Ion: 83 Resp: 111277

Ion Ratio Lower Upper

83 100

55 84.2 40.4 121.1

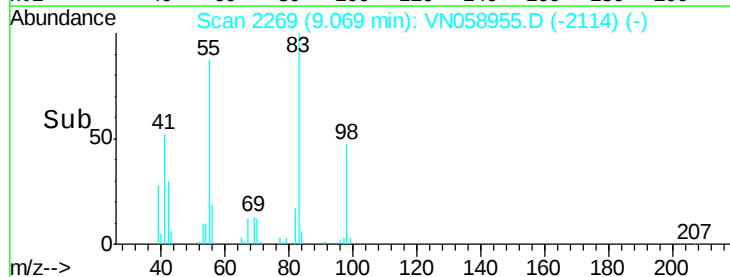
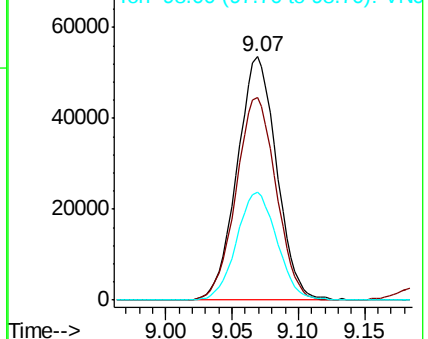
98 45.2 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





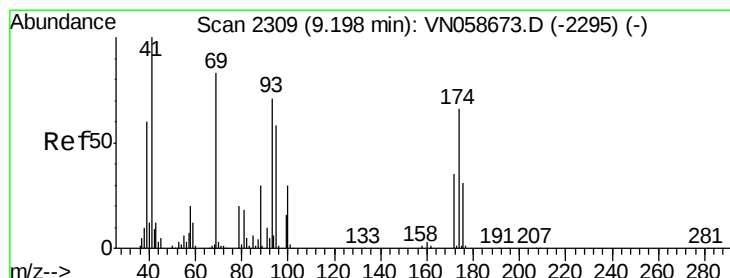
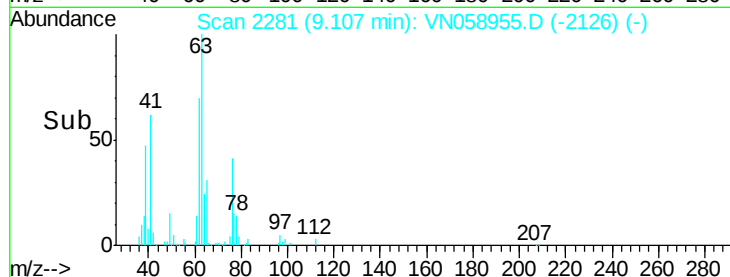
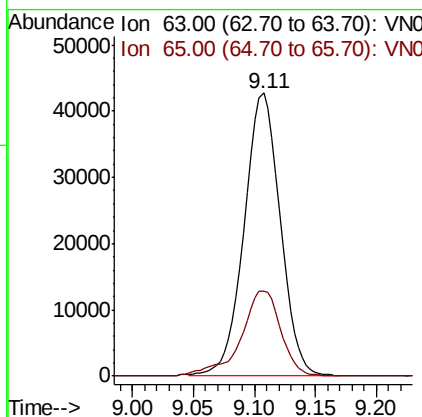
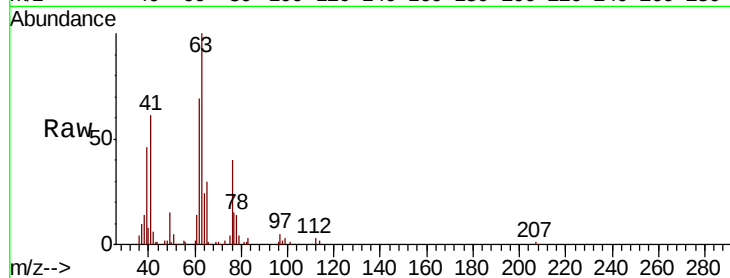
#39
 1,2-Dichloropropane
 Concen: 21.966 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	63	Resp	87508
Ion Ratio	Lower	Upper	
63	100		
65	30.2	23.8	35.6

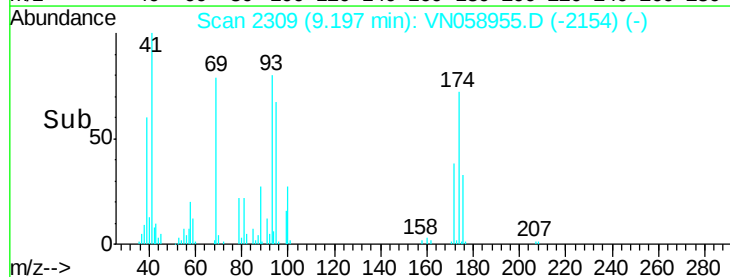
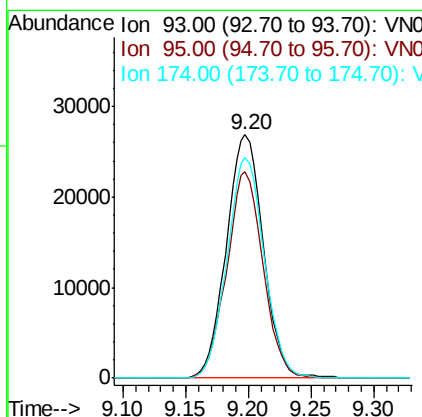
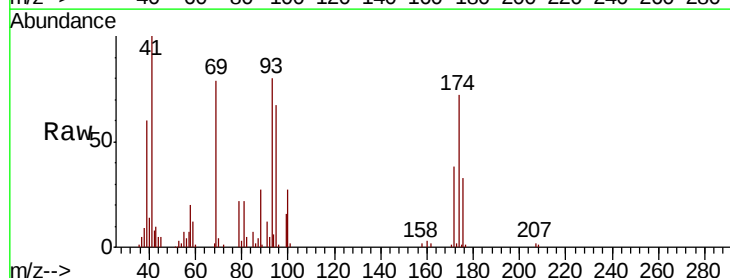
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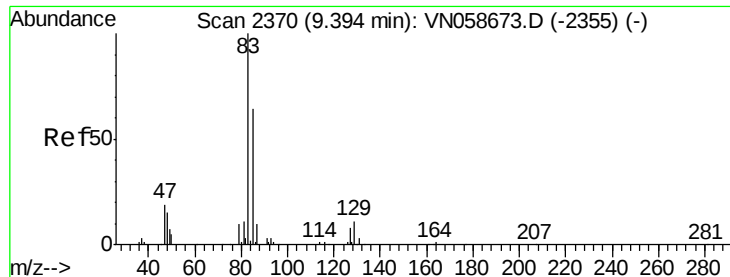
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#40
 Dibromomethane
 Concen: 21.882 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	93	Resp	55033
Ion Ratio	Lower	Upper	
93	100		
95	83.1	0.0	167.6
174	91.2	0.0	187.2





#41

Bromodichloromethane

Concen: 22.165 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

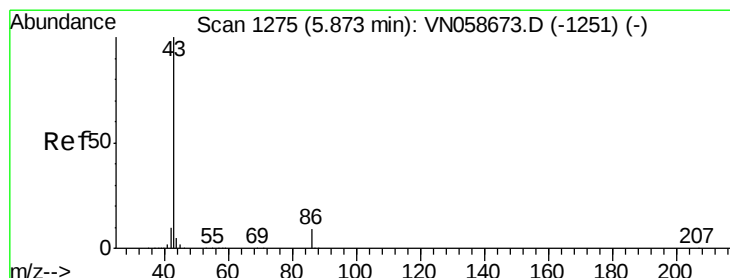
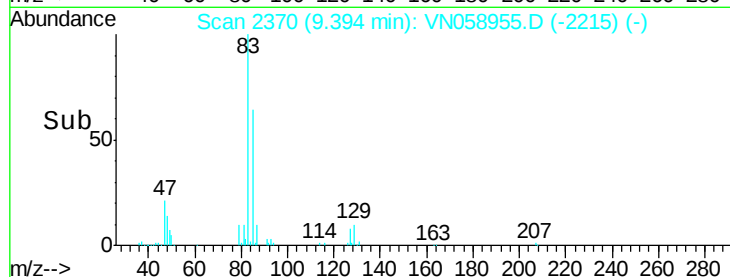
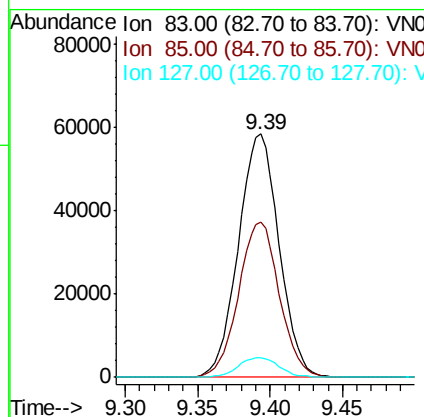
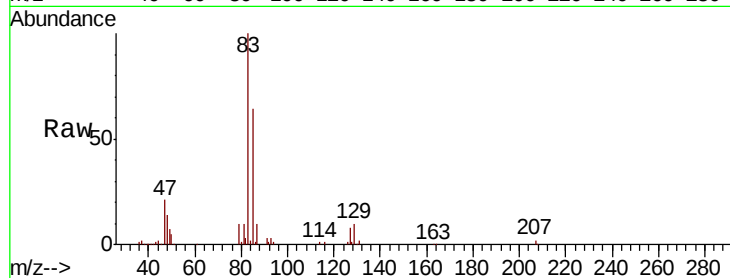
ClientSampleId :

VN1025WBSD01

Tot Ion:	83	Resp:	113879
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.4
127	7.9	6.6	9.8

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#42

Vinyl Acetate

Concen: 110.585 ug/l

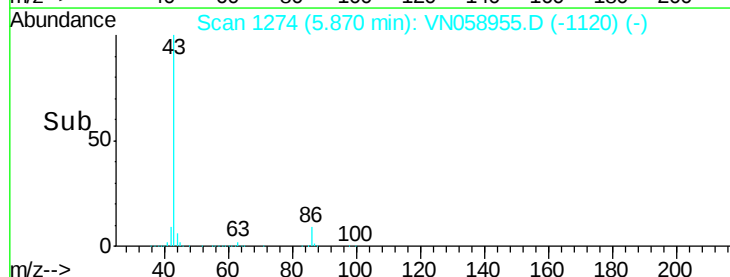
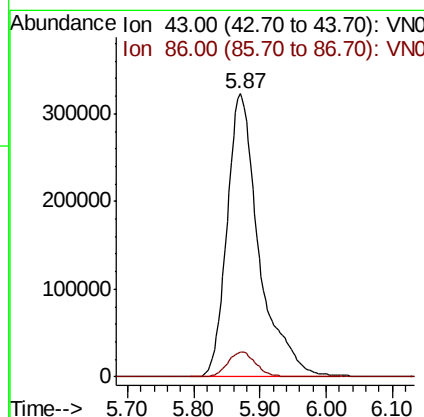
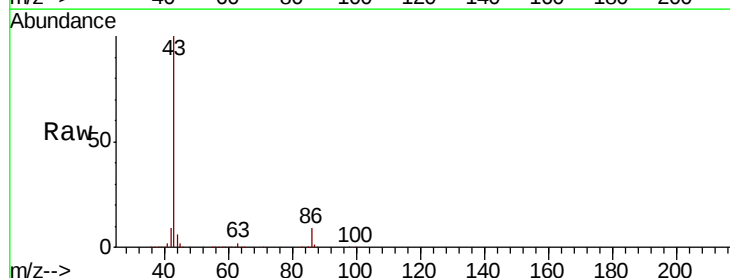
RT: 5.87 min Scan# 1274

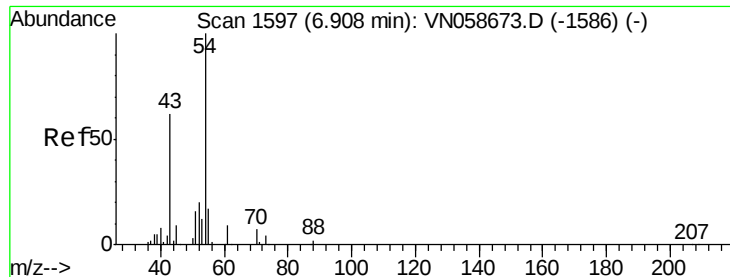
Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion:	43	Resp:	1083718
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.5	9.7





#43

Ethyl Acetate

Concen: 20.897 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 43 Resp: 114767

Ion Ratio Lower Upper

43 100

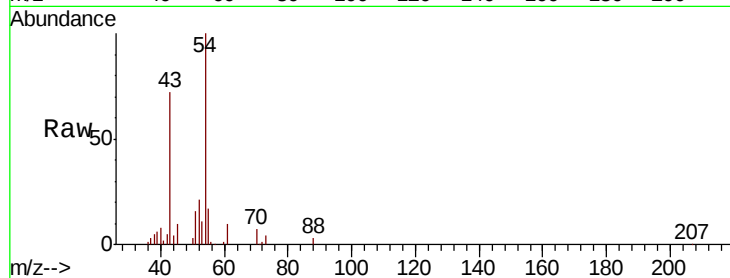
45 13.8 9.7 14.5

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

100000

80000

60000

40000

20000

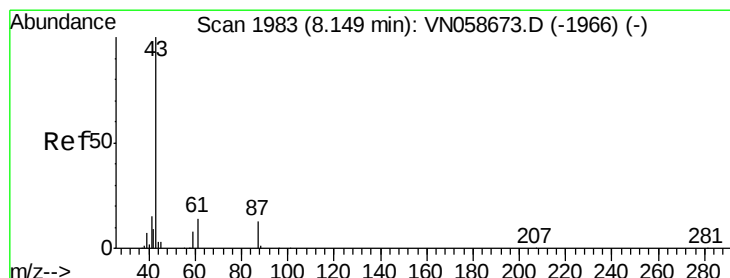
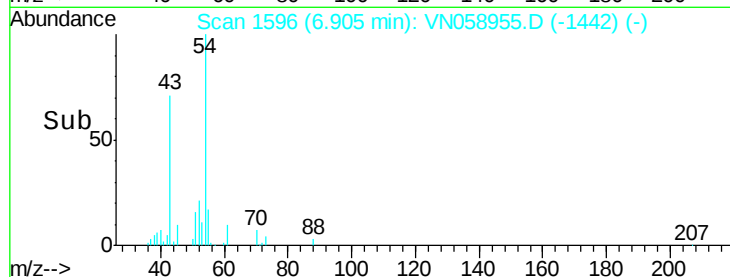
0

6.80

6.90

7.00

Time-->



#44

Isopropyl Acetate

Concen: 20.575 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058955.D

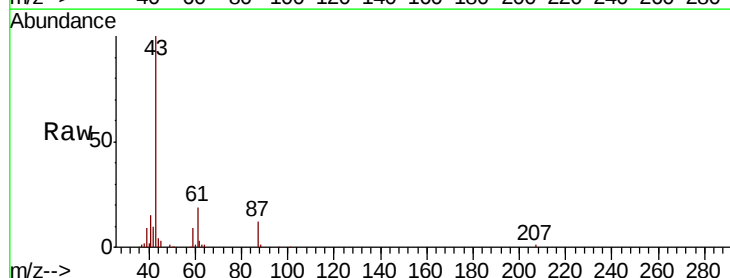
Acq: 24 Oct 2019 13:00

Tgt Ion: 43 Resp: 183040

Ion Ratio Lower Upper

43 100

61 25.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

40000

20000

0

8.05

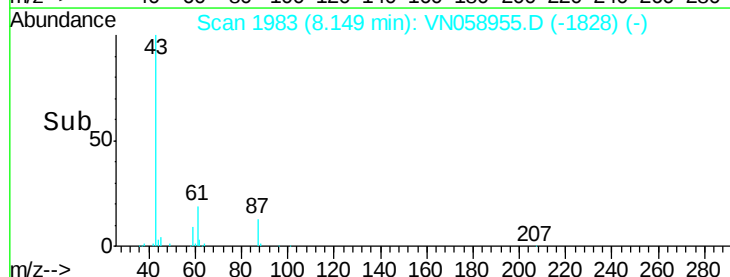
8.10

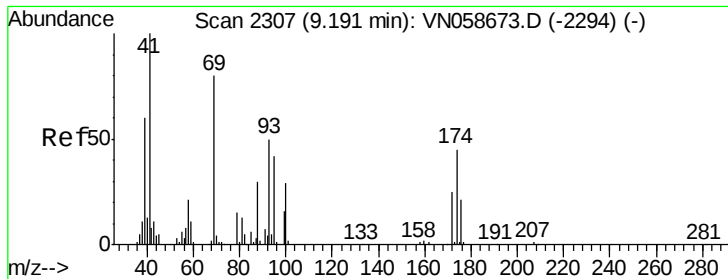
8.15

8.20

8.25

Time-->





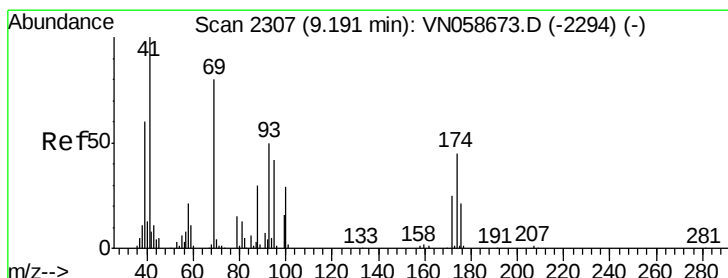
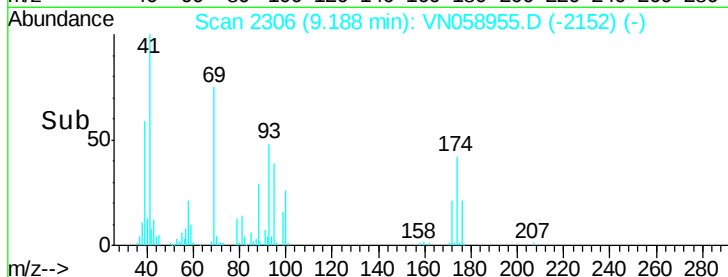
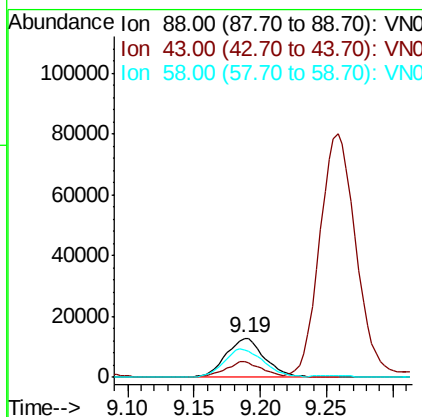
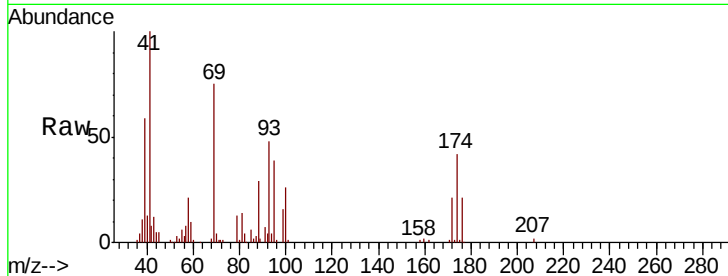
#45
1,4-Dioxane
Concen: 385.326 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.8	44.8
58	73.9	58.2	87.4

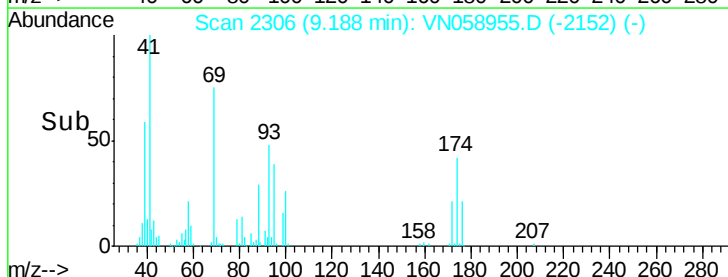
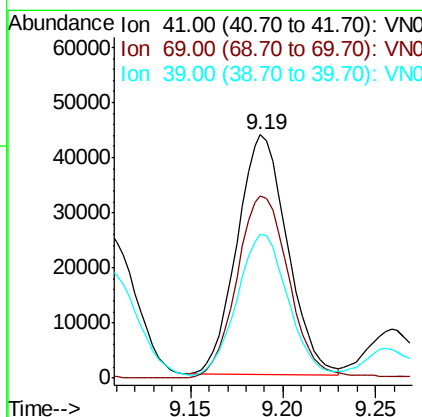
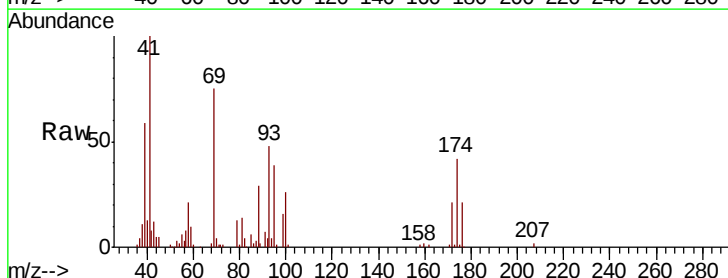
Manual Integrations
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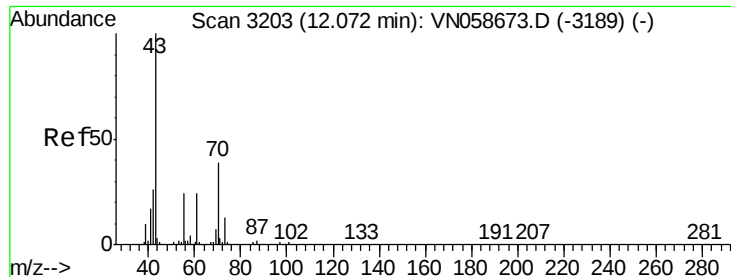
MMDadoda
10/25/2019 2:36:51 PM



#46
Methyl methacrylate
Concen: 20.100 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.2	40.2	120.5
39	59.0	29.9	89.8





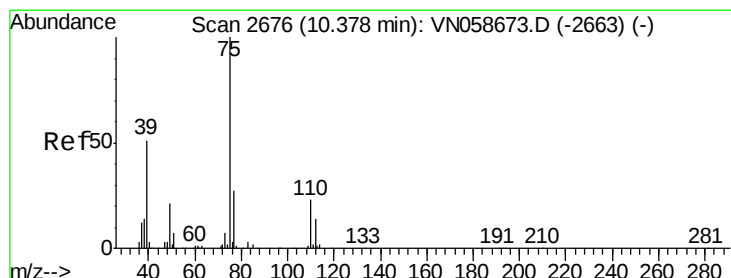
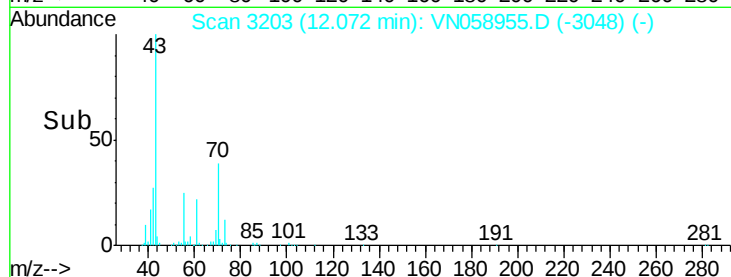
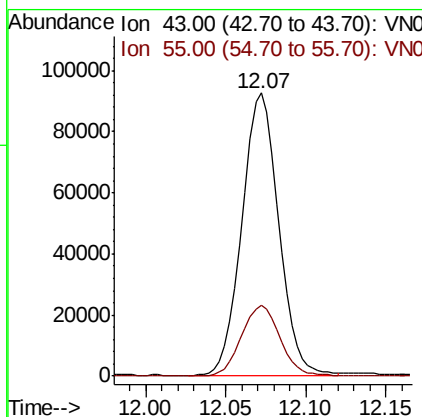
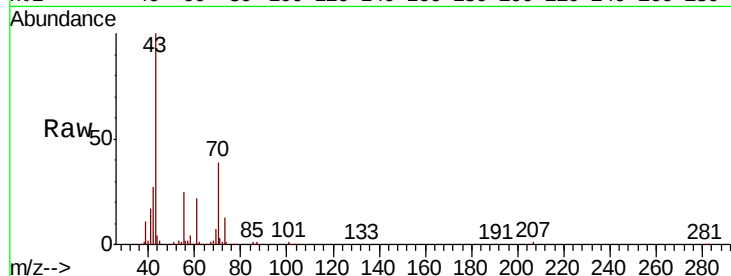
#47
n-amvl Acetate
Concen: 18.292 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion: 43 Resp: 144252
Ion Ratio Lower Upper
43 100
55 26.5 19.6 29.4

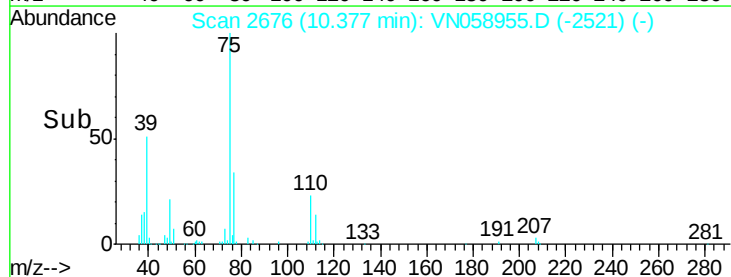
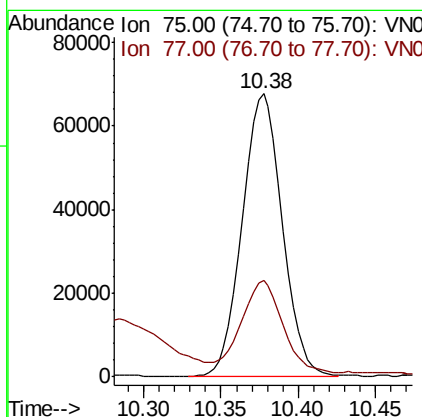
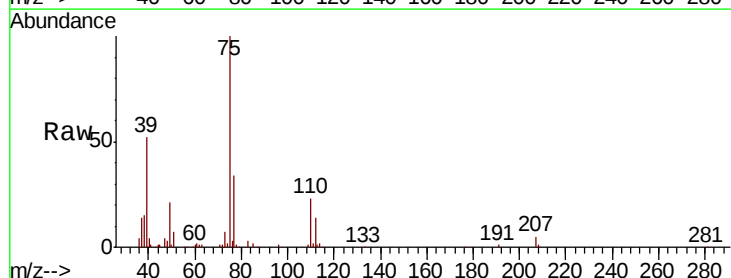
Manual Integrations
APPROVED

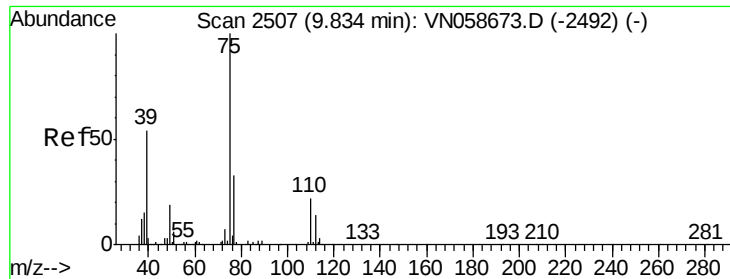
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 20.409 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 75 Resp: 121613
Ion Ratio Lower Upper
75 100
77 32.4 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 21.027 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

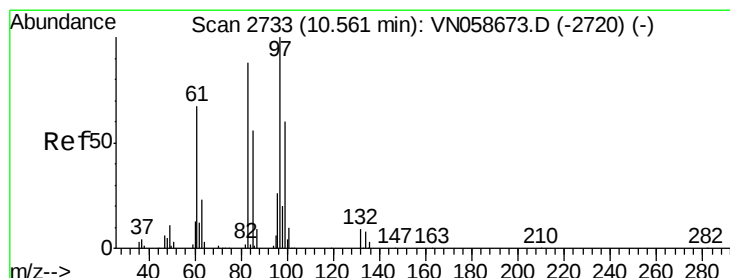
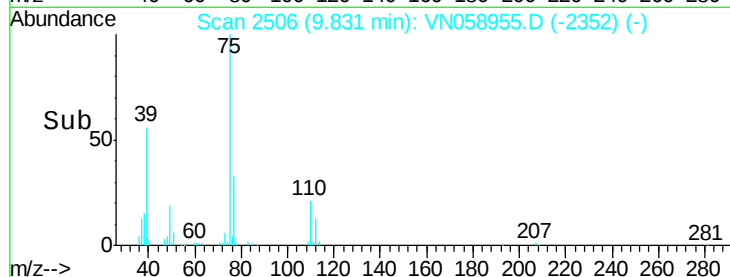
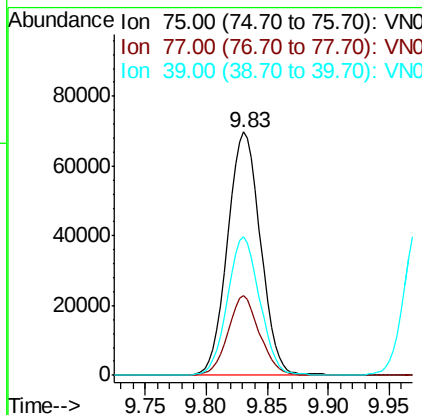
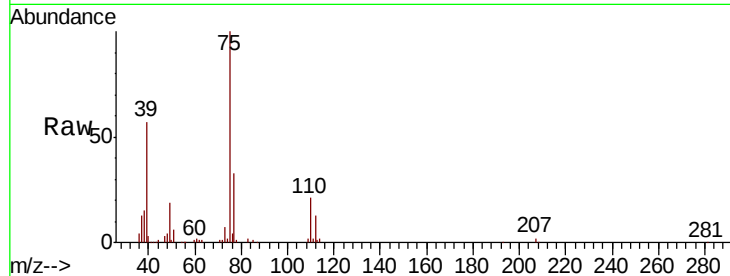
ClientSampleId :

VN1025WBSD01

Tot Ion:	75	Resp:	131569
Ion Ratio	Lower	Upper	
75	100		
77	32.7	26.1	39.1
39	56.9	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 21.629 ug/l

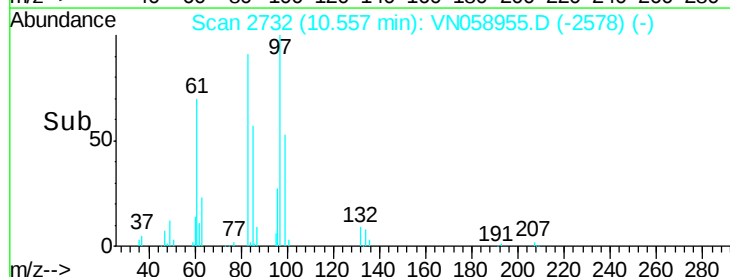
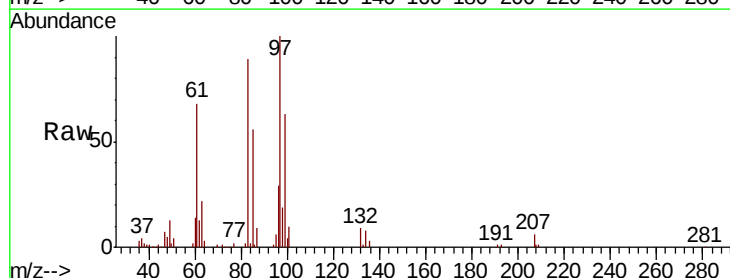
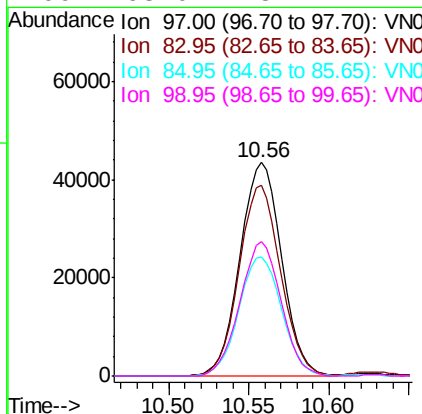
RT: 10.56 min Scan# 2732

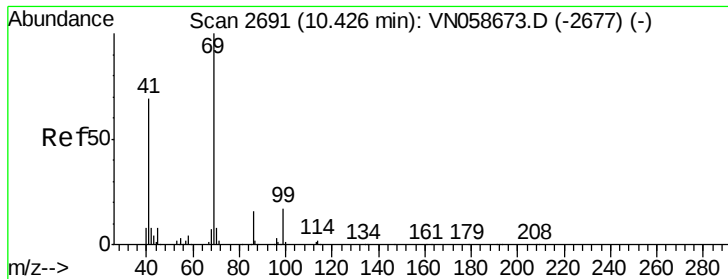
Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion:	97	Resp:	77655
Ion Ratio	Lower	Upper	
97	100		
83	89.5	70.7	106.1
85	55.6	45.1	67.7
99	63.0	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.957 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 69 Resp: 108827
Ion Ratio Lower Upper

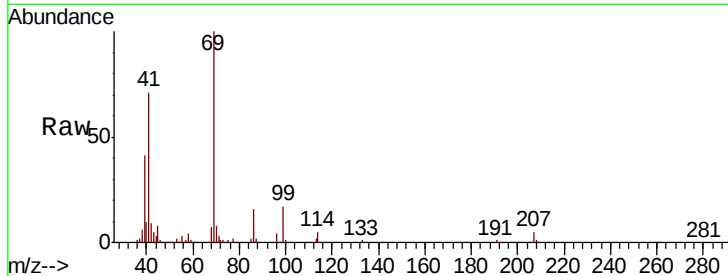
69 100

41 70.8 34.7 104.1

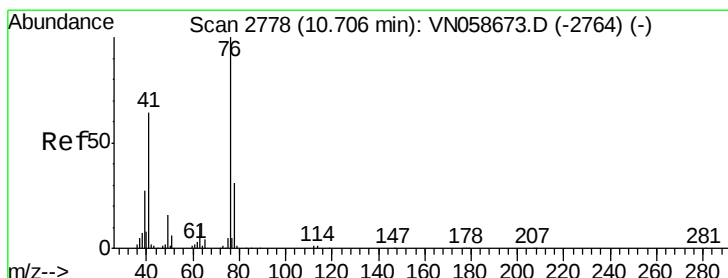
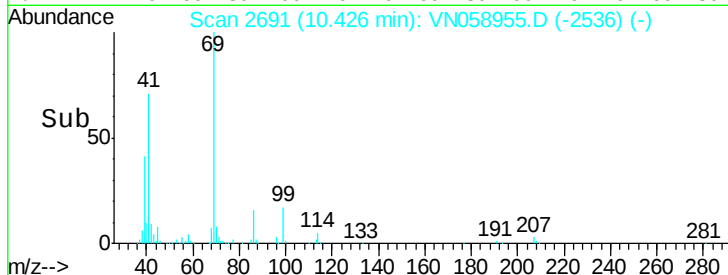
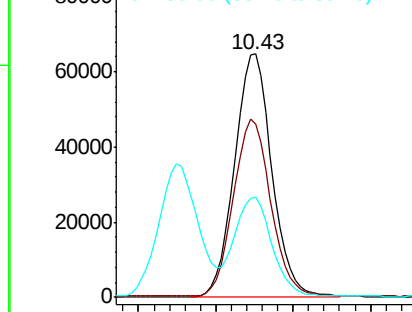
39 40.2 20.3 60.8

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



#52

1,3-Dichloropropane

Concen: 21.006 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

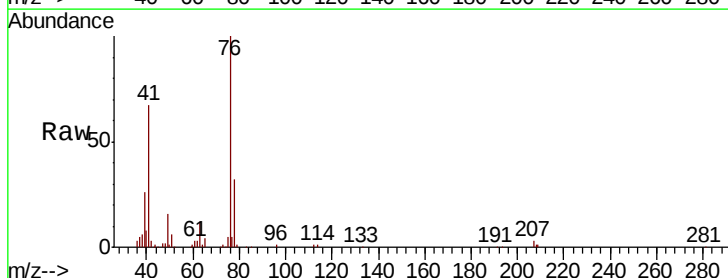
Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

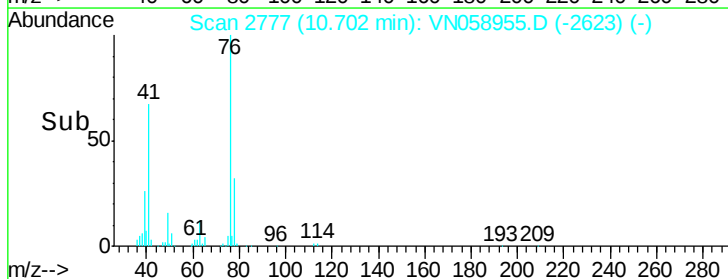
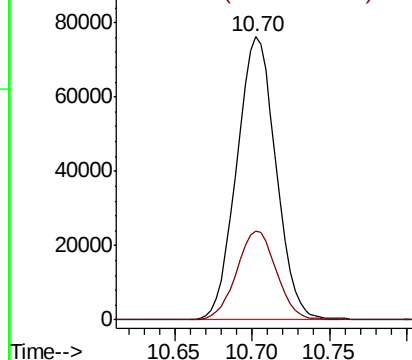
Tgt Ion: 76 Resp: 134310
Ion Ratio Lower Upper

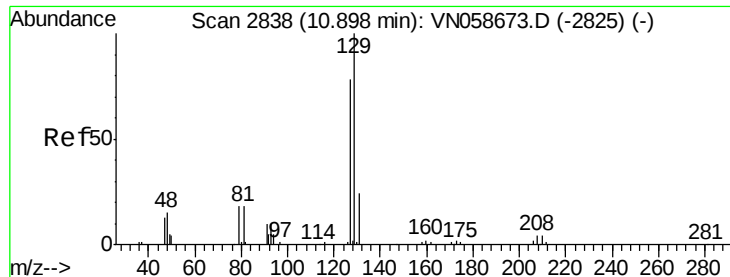
76 100

78 32.0 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





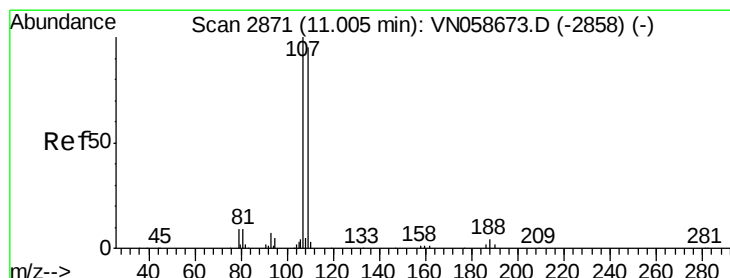
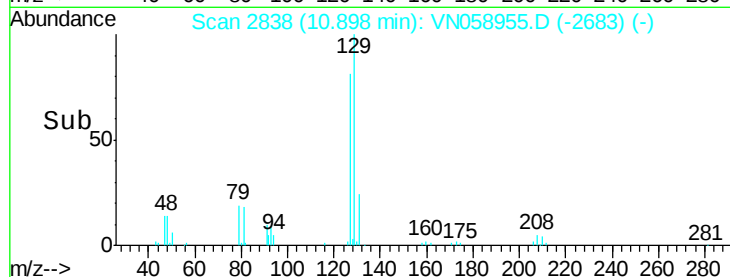
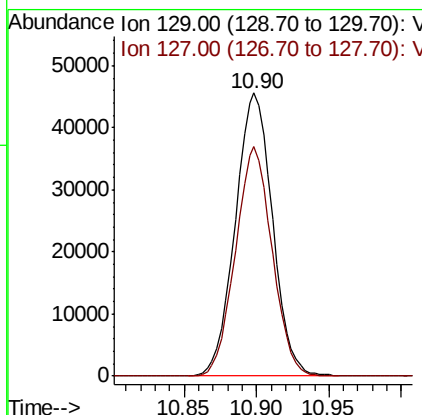
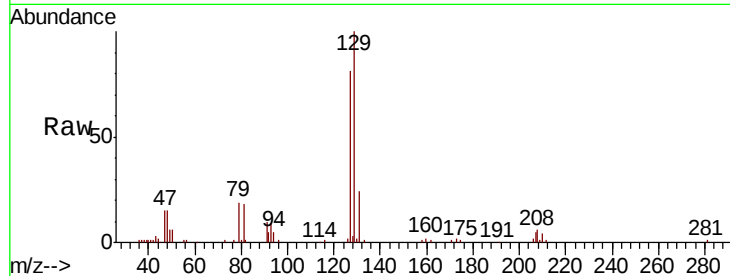
#53
 Dibromochloromethane
 Concen: 21.144 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion:129 Resp: 81466
 Ion Ratio Lower Upper
 129 100
 127 79.5 39.1 117.5

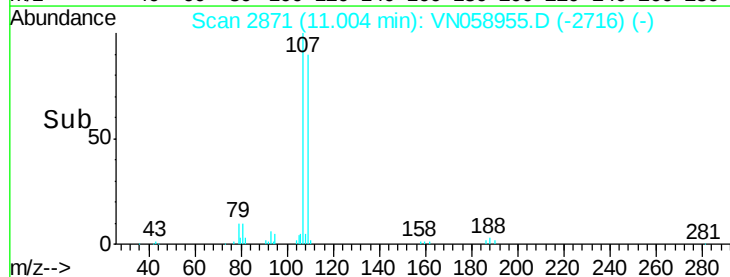
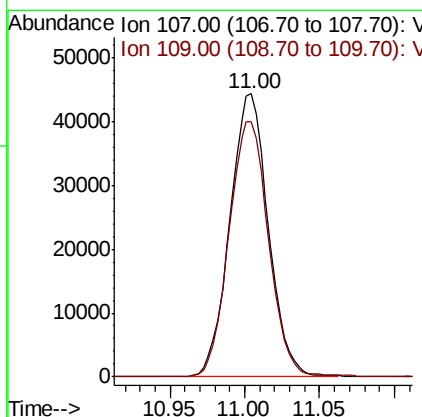
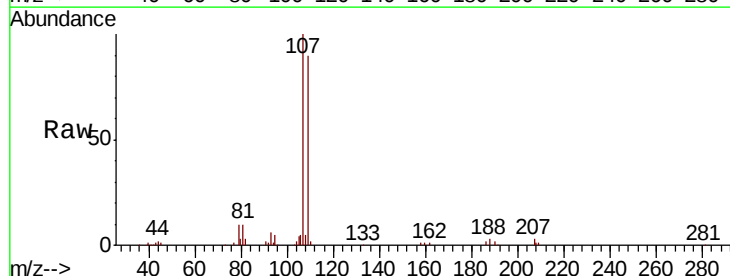
Manual Integrations
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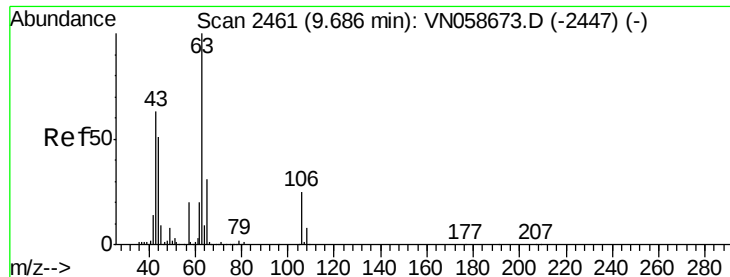
MMDadoda
 10/25/2019 2:36:51 PM



#54
 1,2-Dibromoethane
 Concen: 21.281 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion:107 Resp: 79195
 Ion Ratio Lower Upper
 107 100
 109 93.1 76.2 114.4





#55

2-Chloroethyl vinyl ether

Concen: 94.230 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

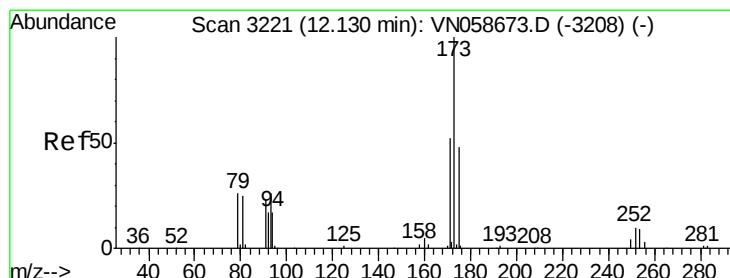
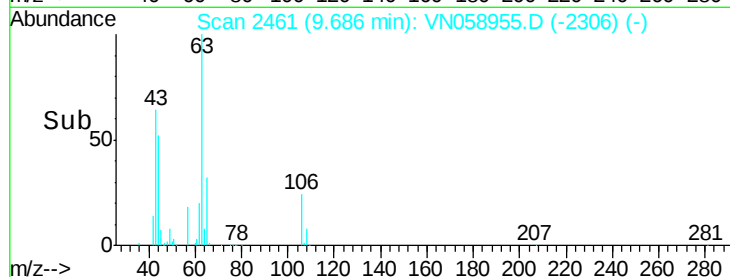
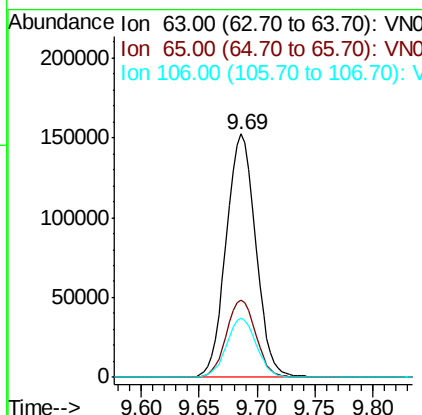
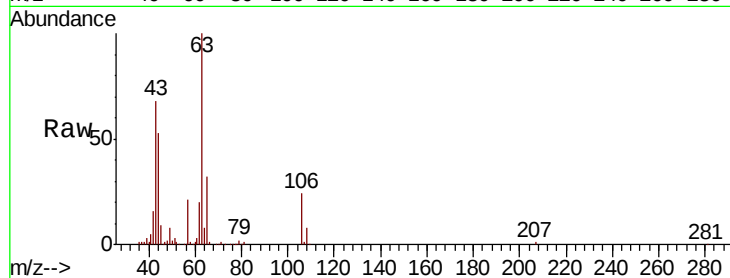
ClientSampleId :

VN1025WBSD01

Tot Ion:	63	Resp:	269090
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.3	37.9
106	24.2	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 21.018 ug/l

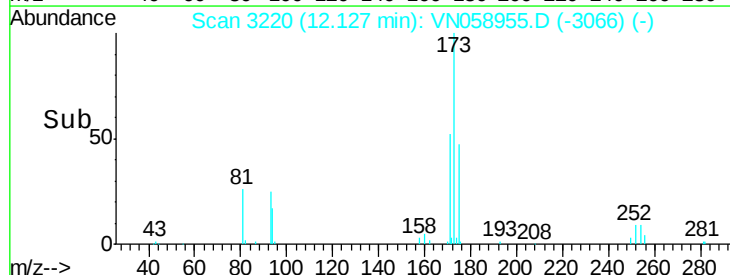
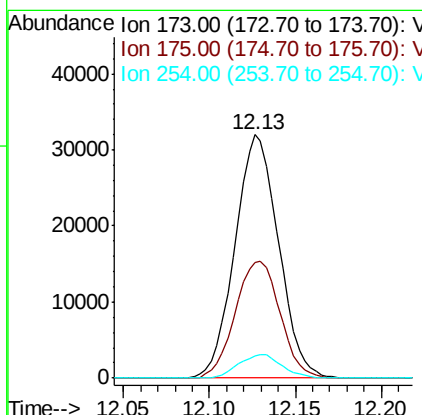
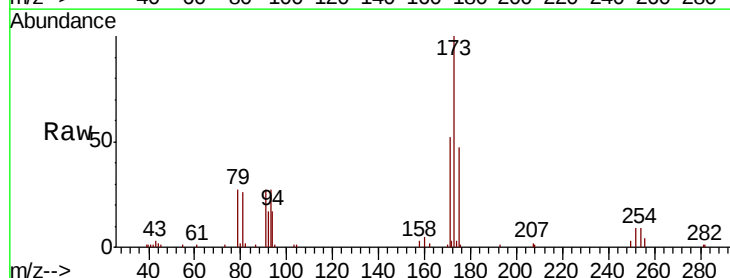
RT: 12.13 min Scan# 3220

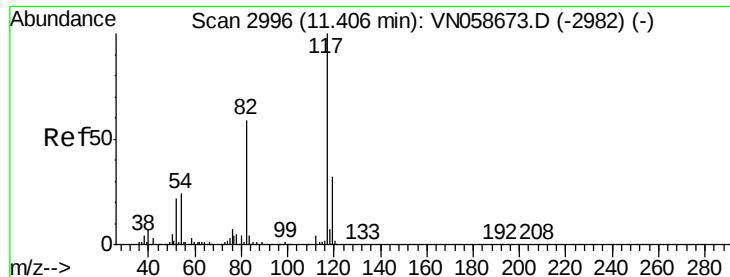
Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion:	173	Resp:	56412
Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.7	58.1
254	9.6	7.4	11.2





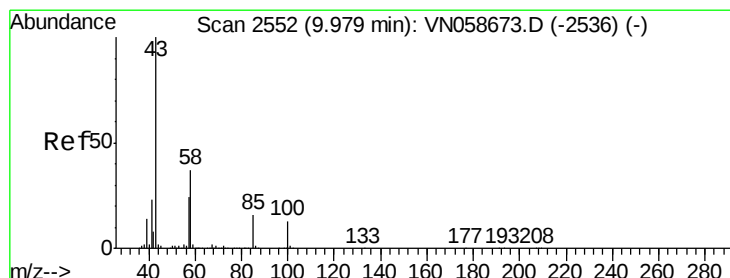
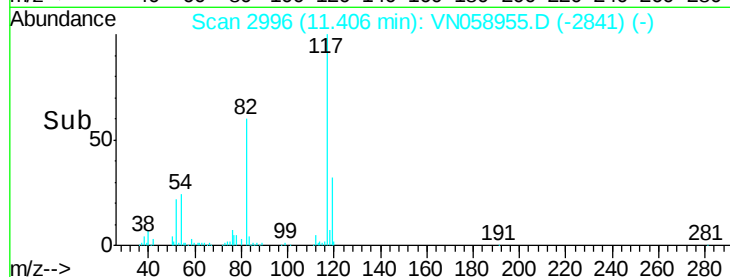
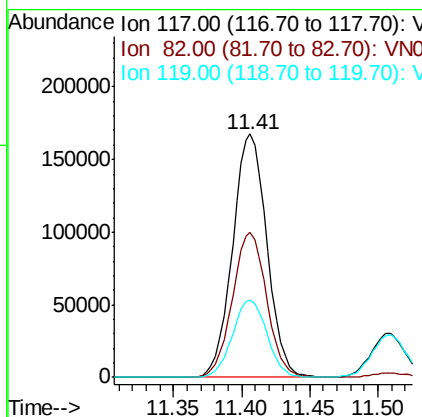
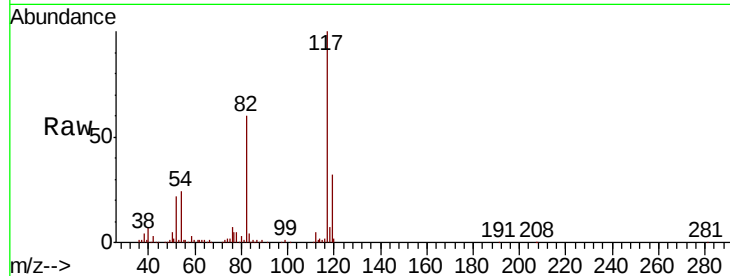
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.9	70.3
119	32.1	25.8	38.6

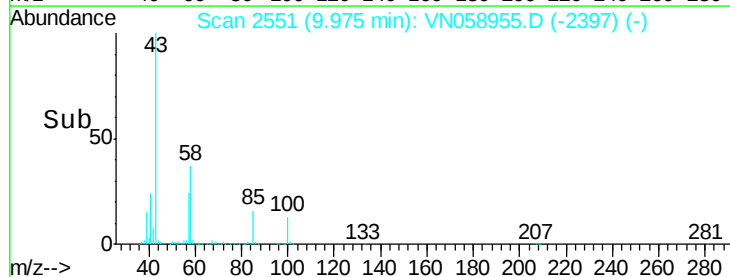
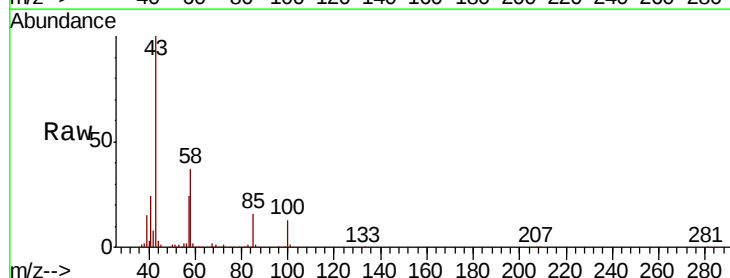
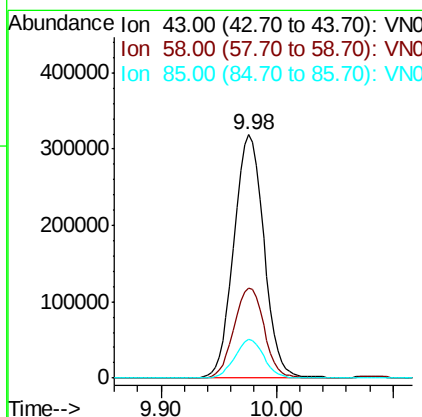
Manual Integrations
APPROVED

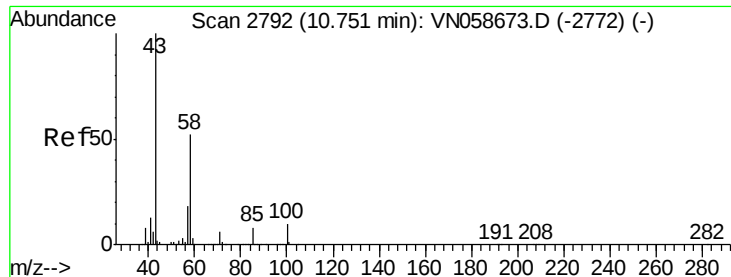
MMDadoda
10/25/2019 2:36:51 PM



#58
4-Methyl-2-Pentanone
Concen: 108.054 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.1	45.1
85	15.5	13.2	19.8





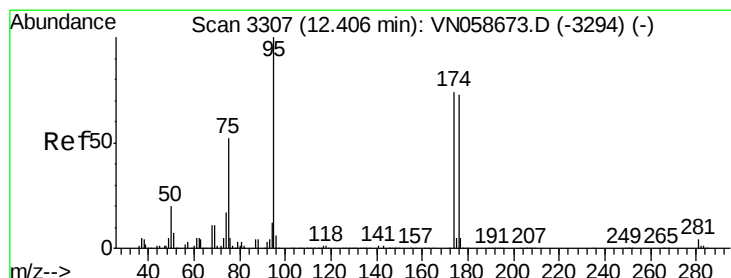
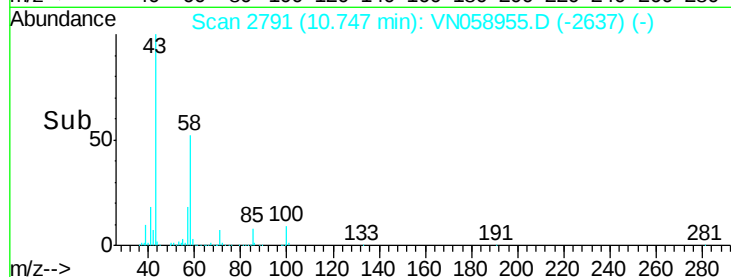
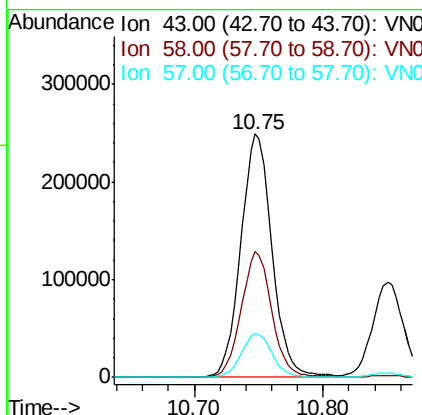
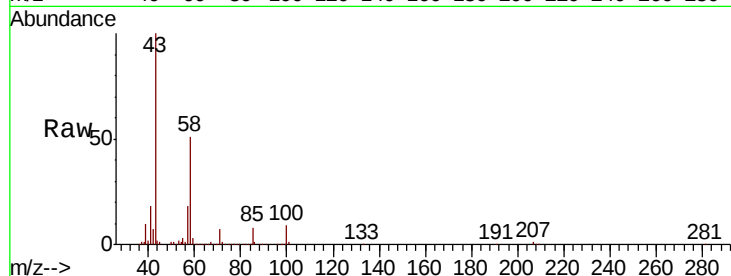
#59
2-Hexanone
Concen: 100.141 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.4	62.0
57	18.0	14.7	22.1

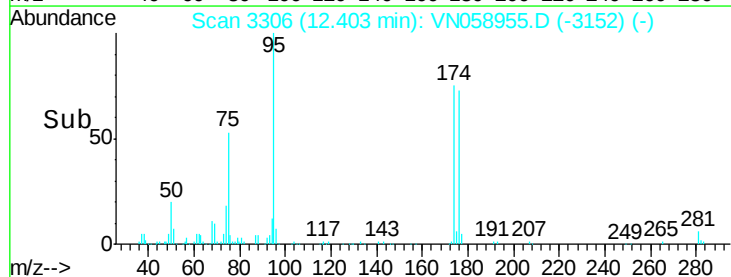
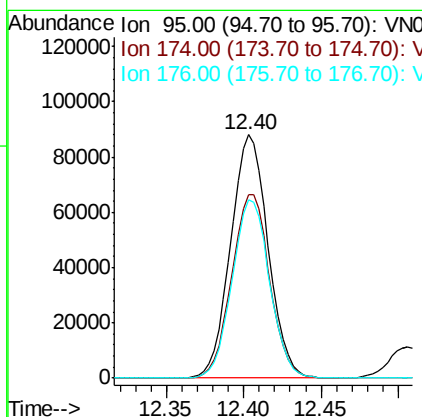
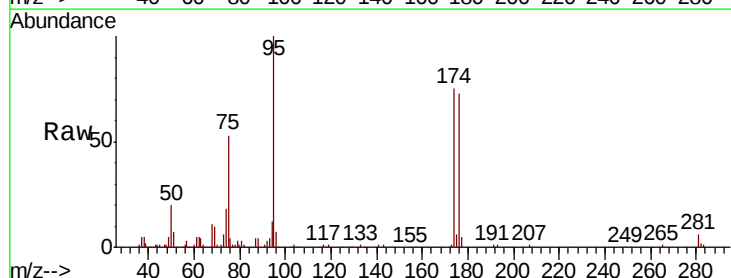
Manual Integrations
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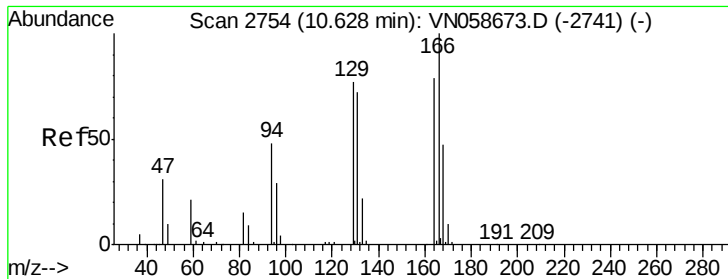
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.923 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	59.9	89.9
176	73.3	58.3	87.5





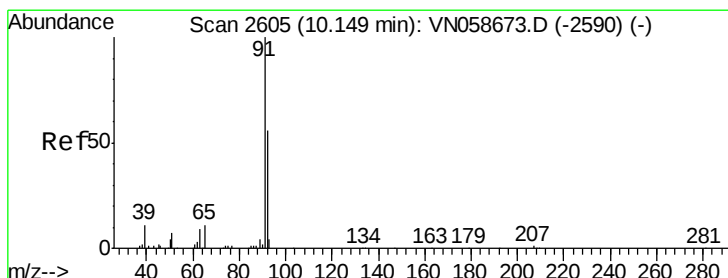
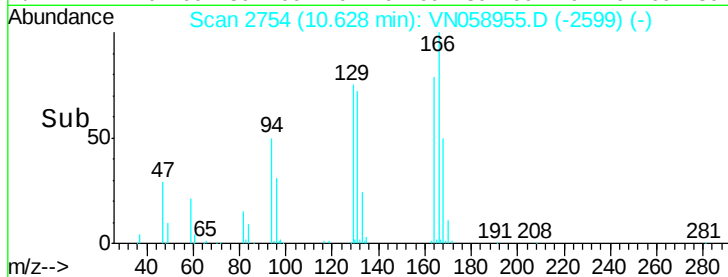
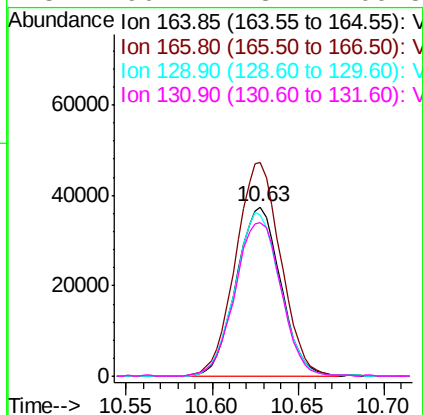
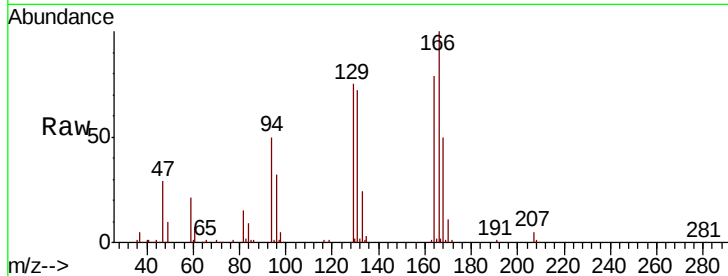
#61
Tetrachloroethene
Concen: 21.363 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.4	152.2
129	95.3	78.1	117.1
131	90.7	73.2	109.8

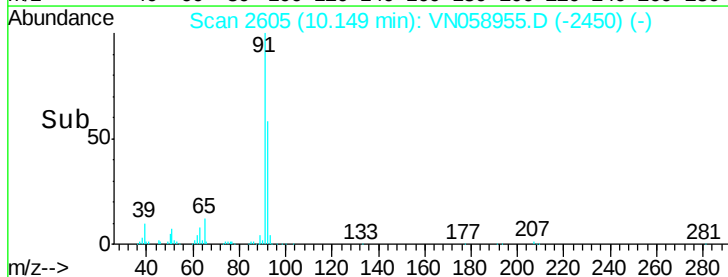
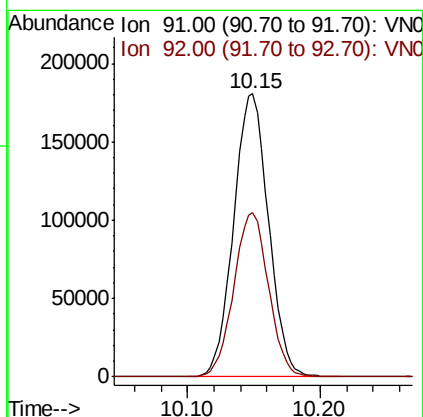
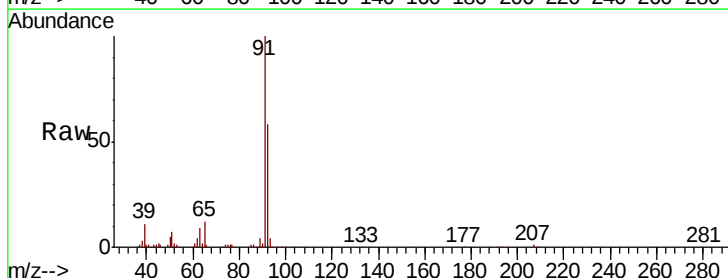
Manual Integrations
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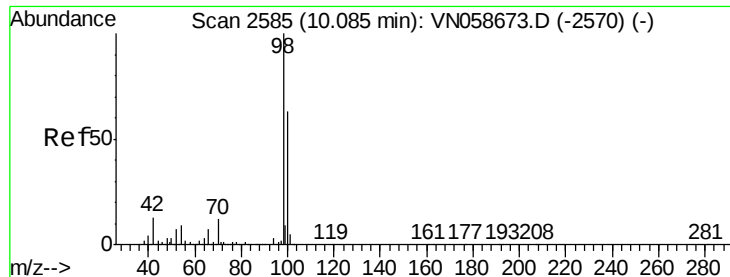
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#62
Toluene
Concen: 21.042 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.4	68.2





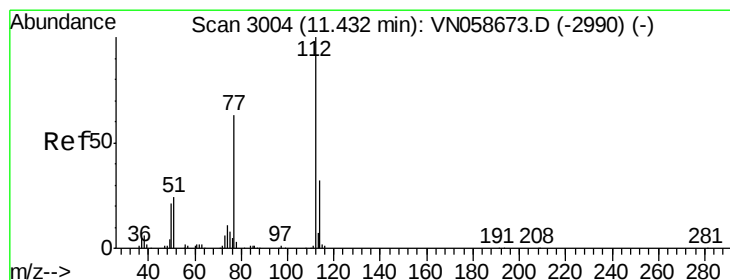
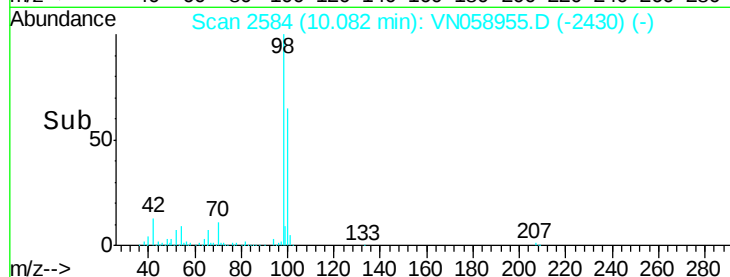
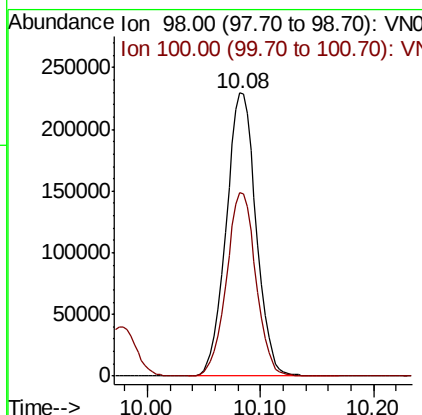
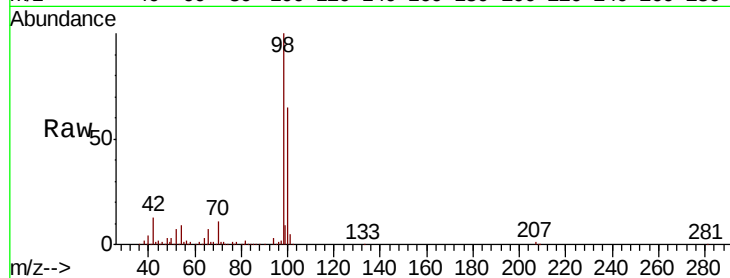
#63
Toluene-d8
Concen: 30.587 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion: 98 Resp: 422050
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8

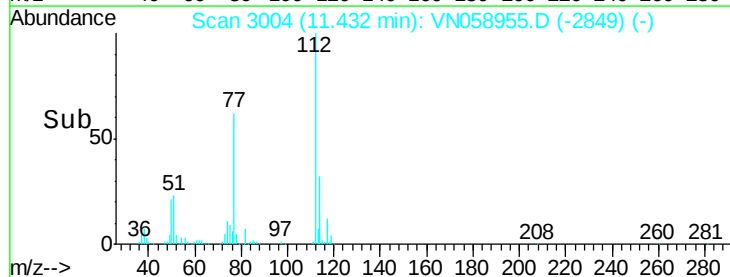
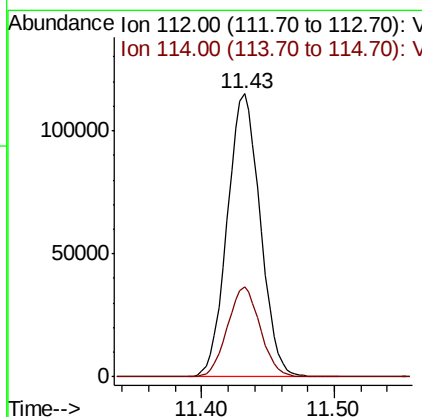
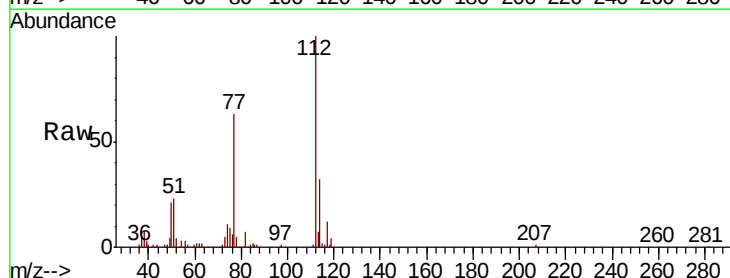
Manual Integrations
APPROVED

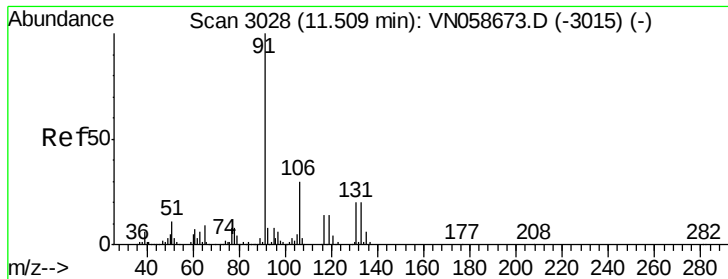
MMDadoda
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#64
Chlorobenzene
Concen: 20.683 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 112 Resp: 198777
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 21.133 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

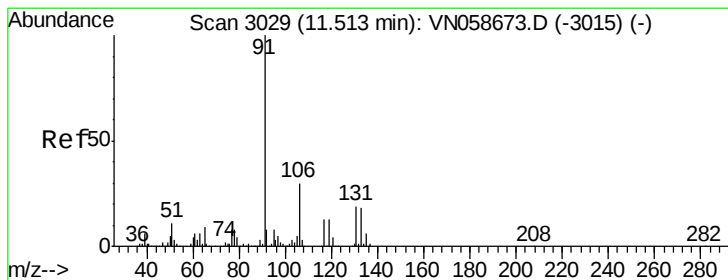
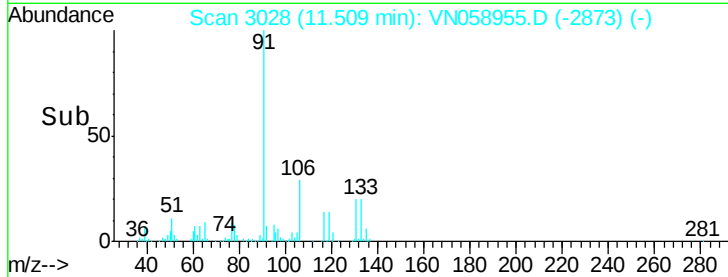
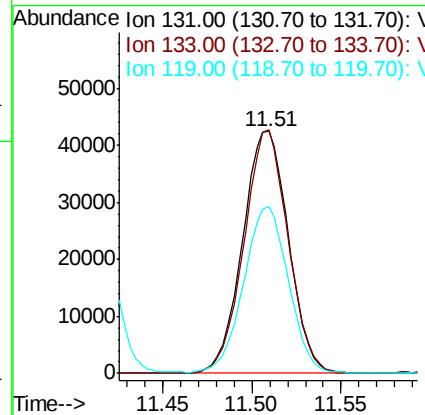
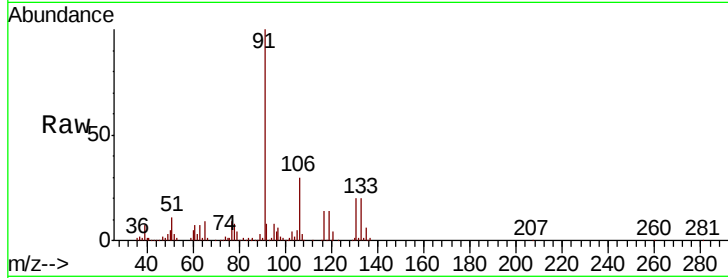
ClientSampleId :

VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.0	0.0	194.0
119	67.6	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.254 ug/l

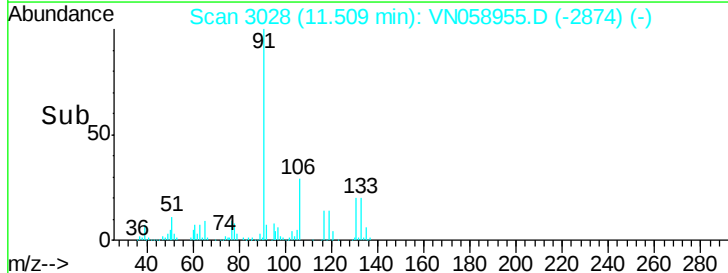
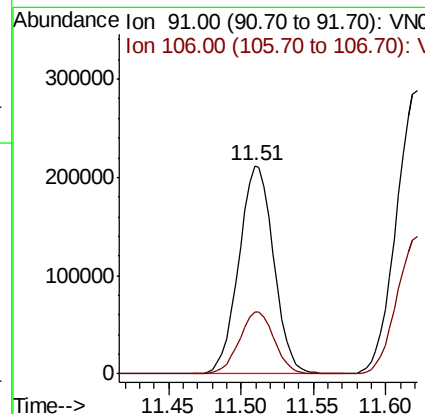
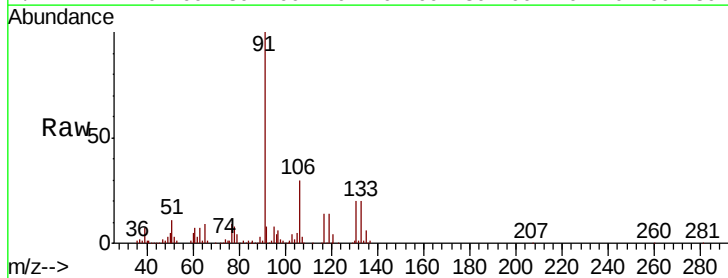
RT: 11.51 min Scan# 3028

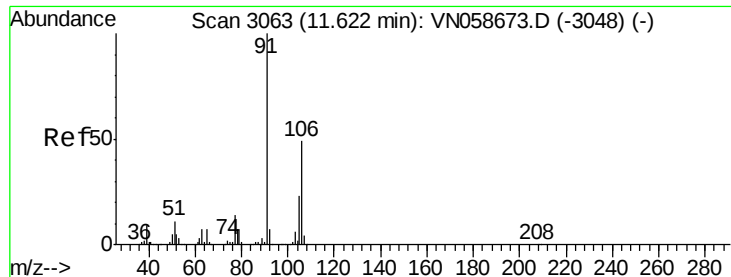
Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.4





#67

m/p-Xylenes

Concen: 40.124 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion:106 Resp: 260931

Ion Ratio Lower Upper

106 100

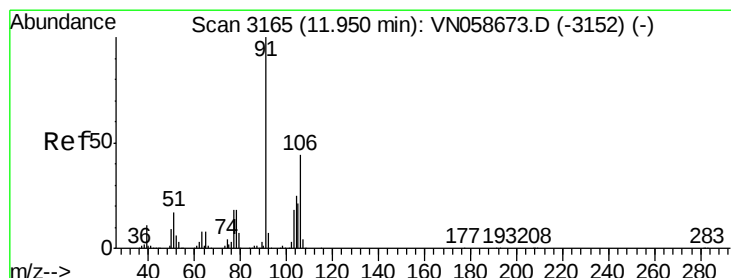
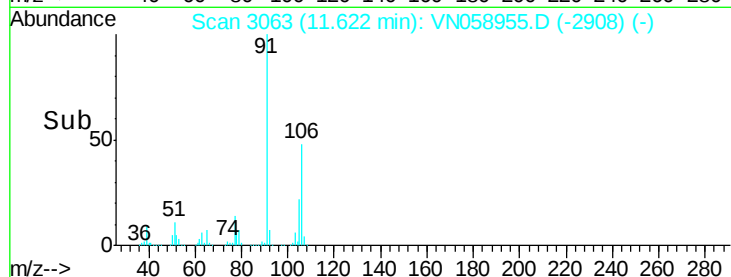
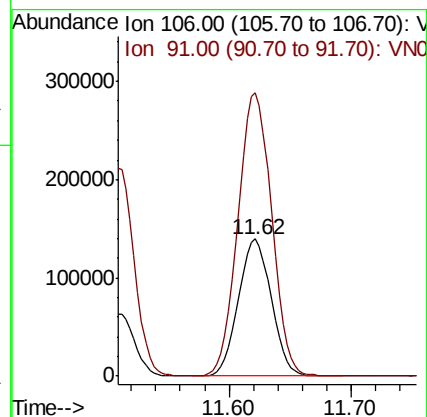
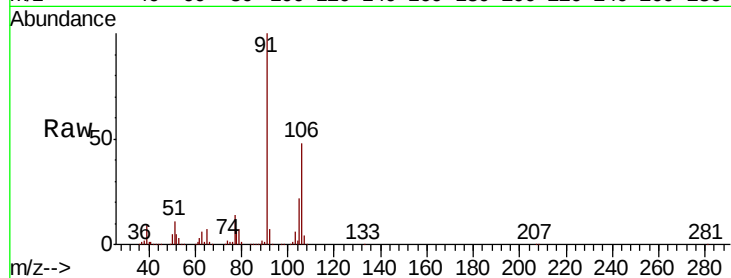
91 211.0 165.6 248.4

Manual Integrations

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#68

o-Xylene

Concen: 19.564 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058955.D

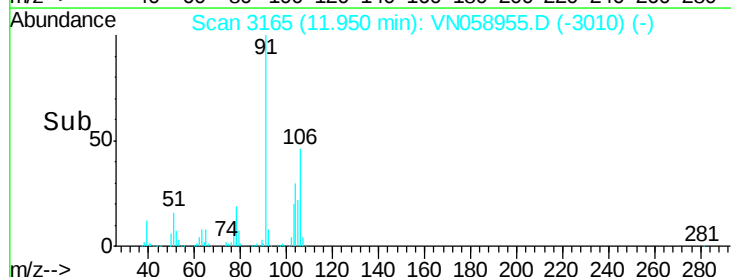
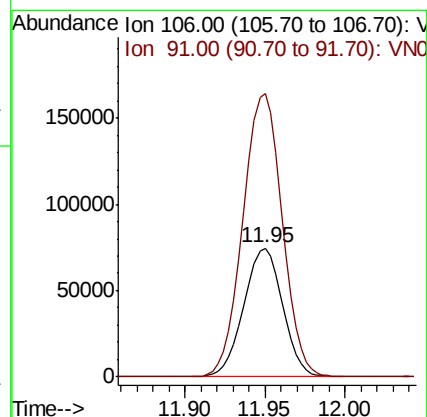
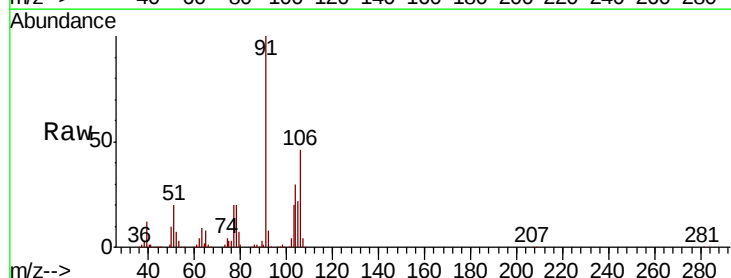
Acq: 24 Oct 2019 13:00

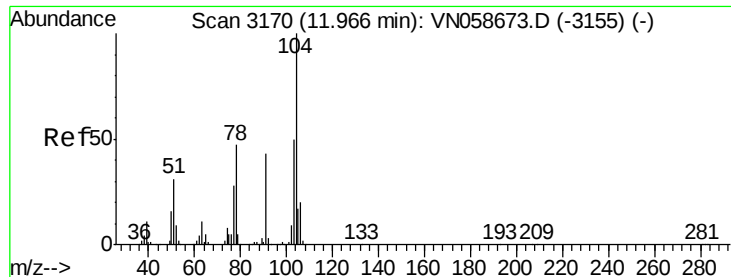
Tgt Ion:106 Resp: 123341

Ion Ratio Lower Upper

106 100

91 223.1 109.8 329.4





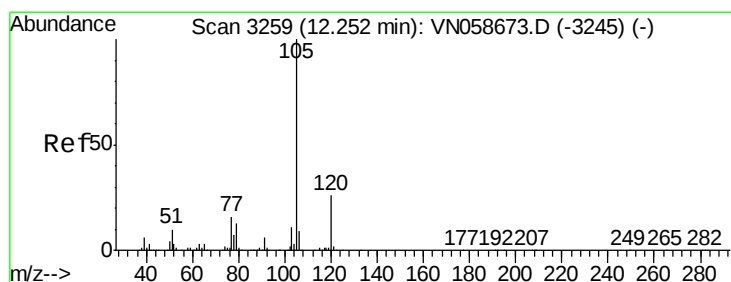
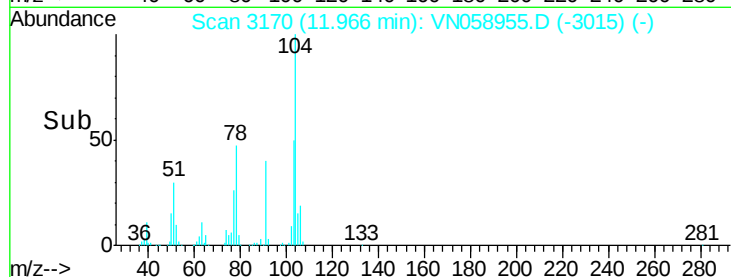
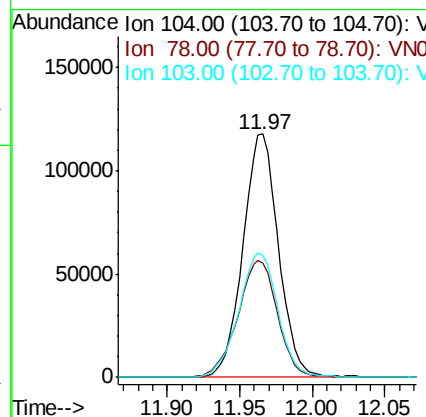
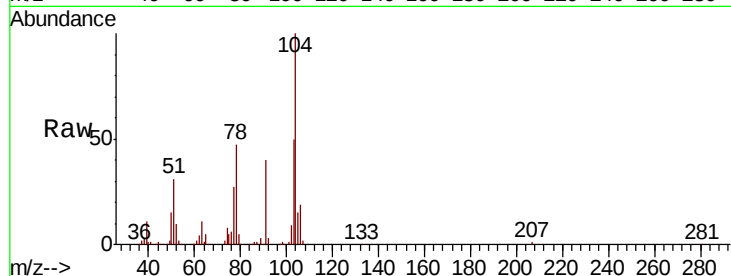
#69
Stvrene
Concen: 19.277 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.4	63.6
103	56.4	44.6	66.8

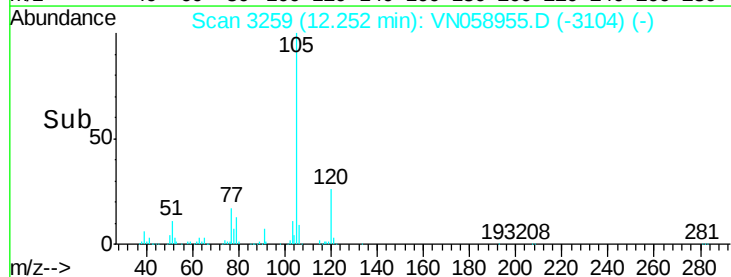
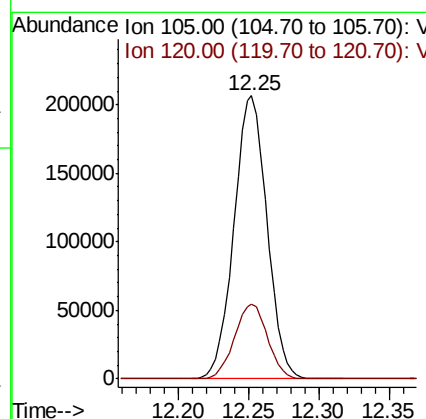
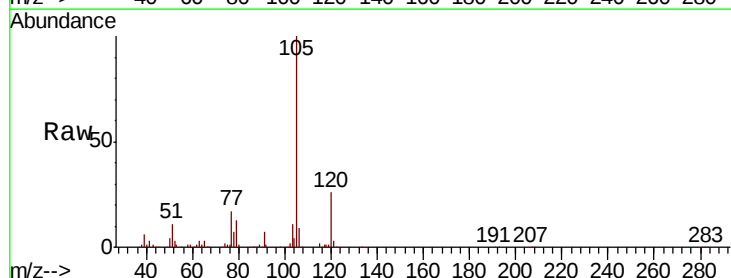
Manual Integrations
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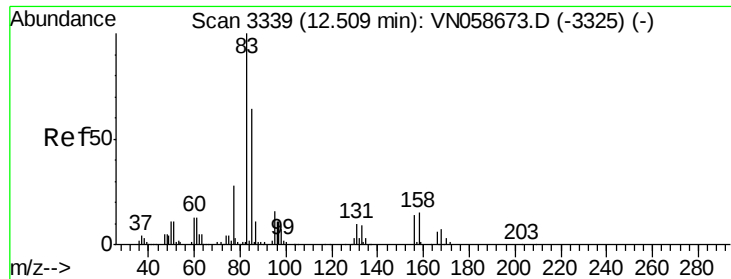
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#70
Isopropylbenzene
Concen: 19.865 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.4	34.2





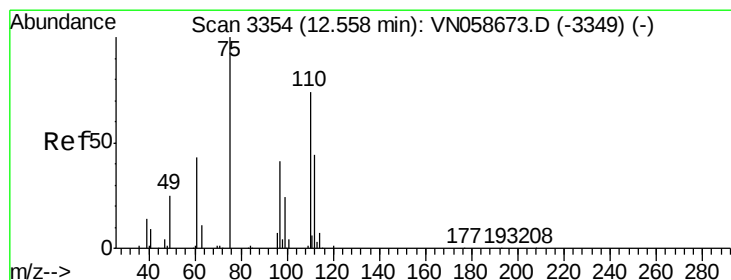
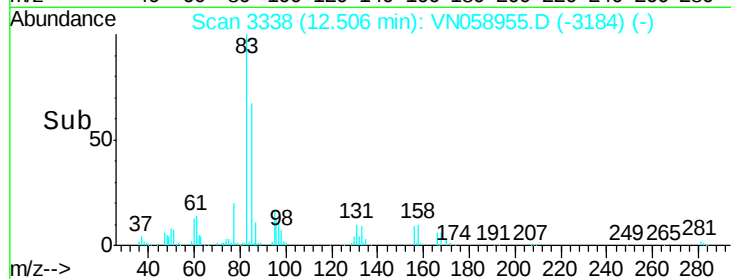
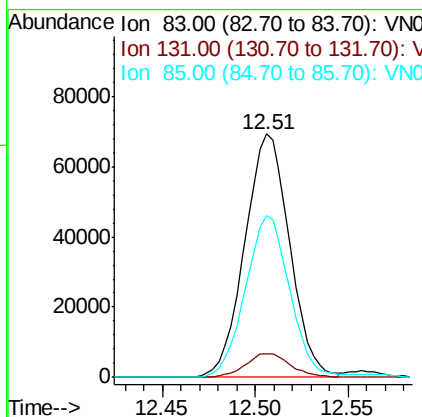
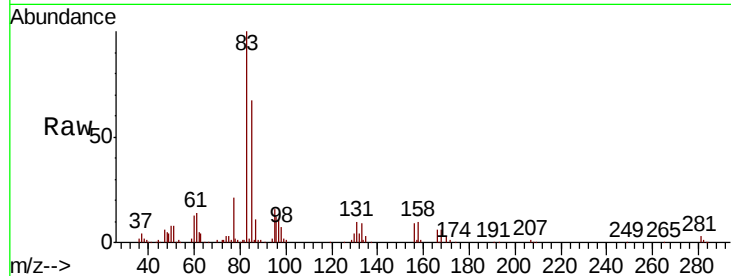
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.341 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.7	4.9	14.7	
85	65.3	31.6	94.7	

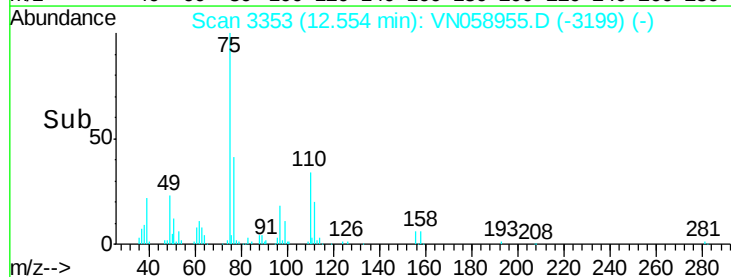
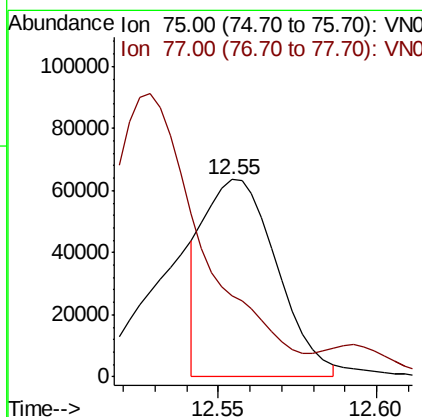
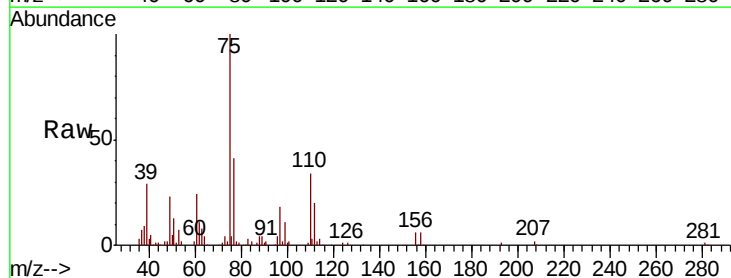
Manual Integrations
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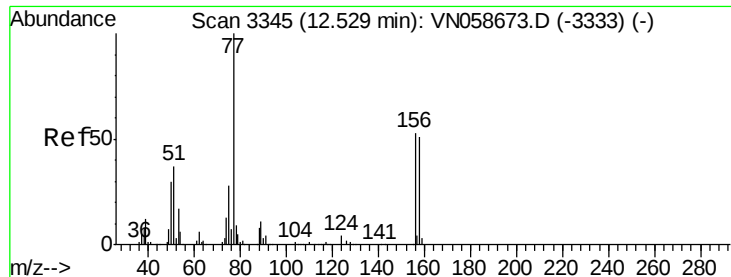
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#72
 1,2,3-Trichloropropane
 Concen: 19.659 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	189.3	0.0	359.4	





#73

Bromobenzene

Concen: 19.797 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

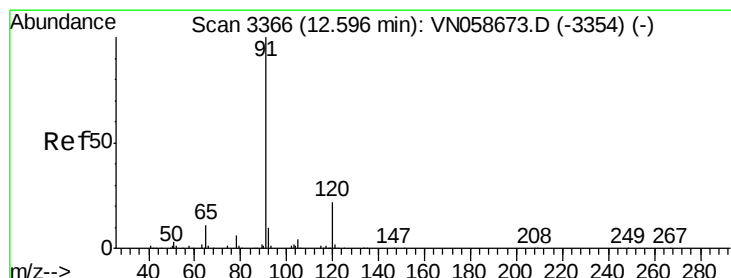
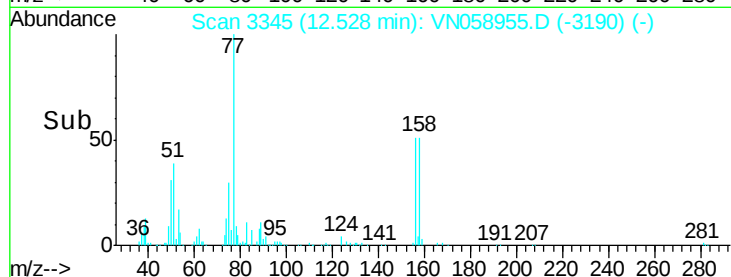
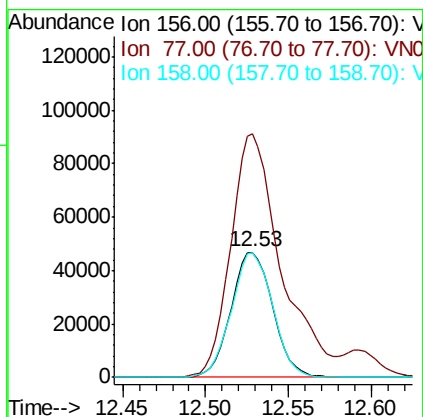
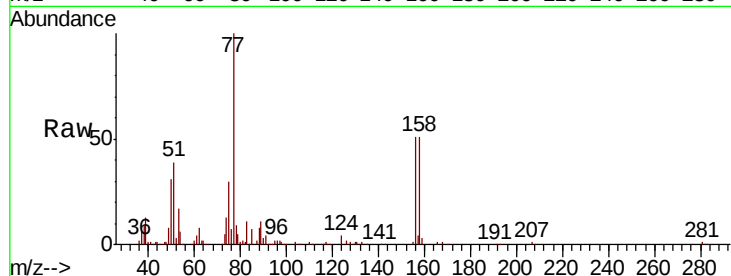
ClientSampleId :

VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	236.1	0.0	456.0
158	98.9	0.0	195.4

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#74

n-propylbenzene

Concen: 20.373 ug/l

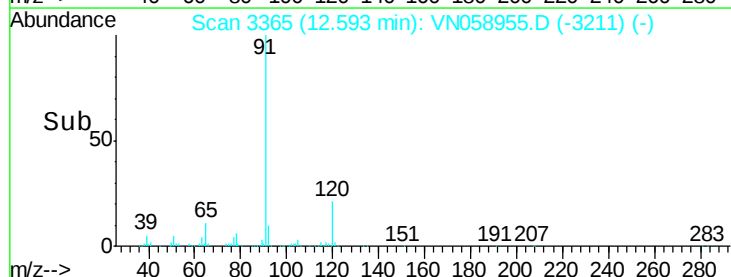
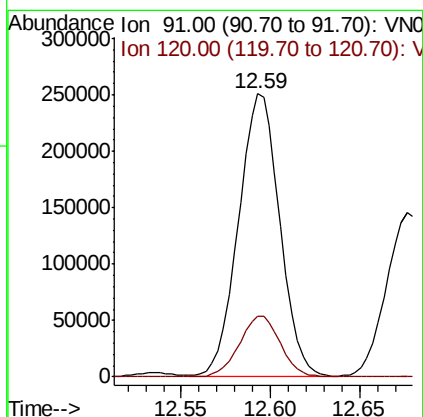
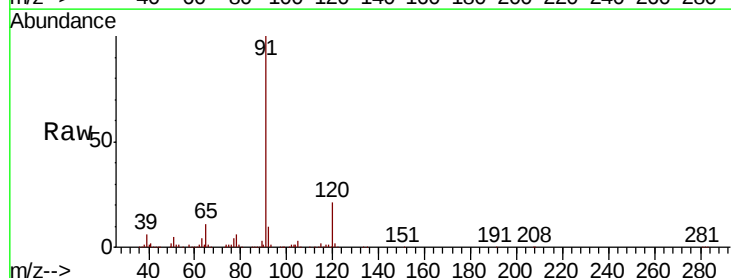
RT: 12.59 min Scan# 3365

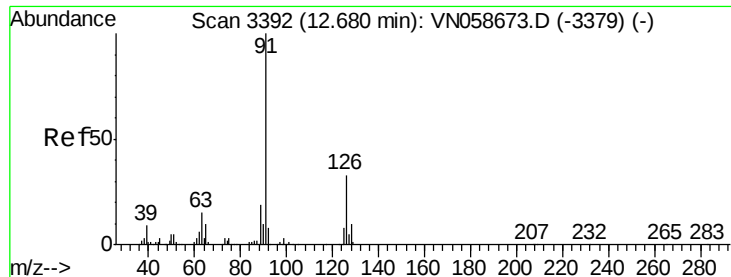
Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.398 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 91 Resp: 244505

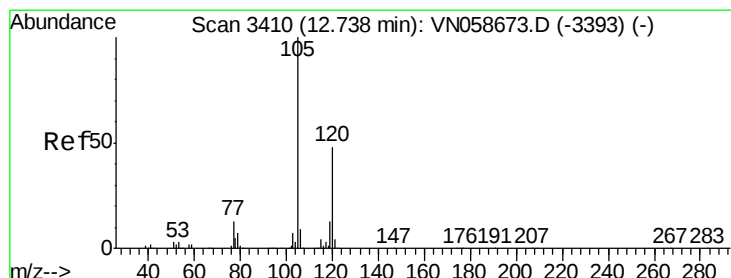
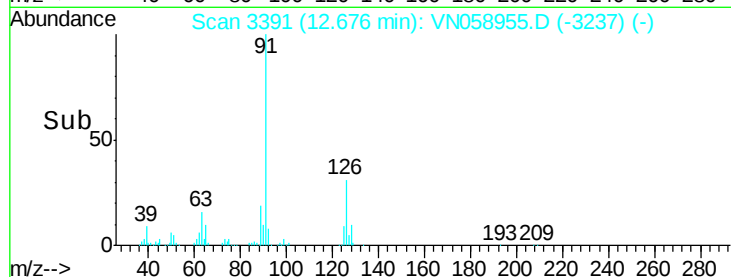
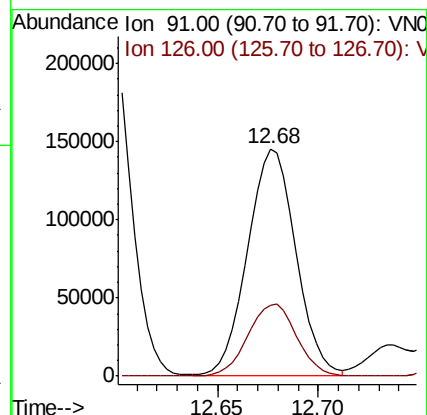
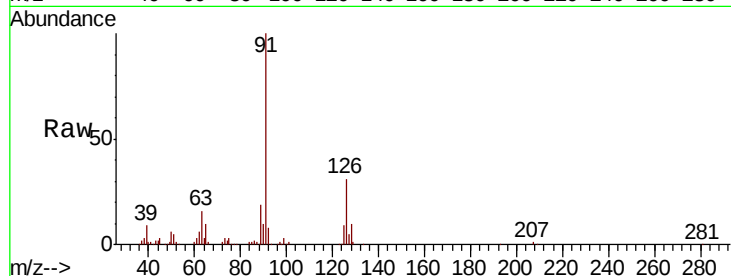
Ion Ratio Lower Upper

91 100

126 31.9 0.0 65.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.891 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058955.D

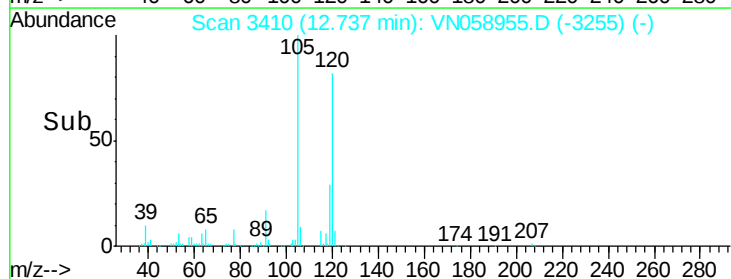
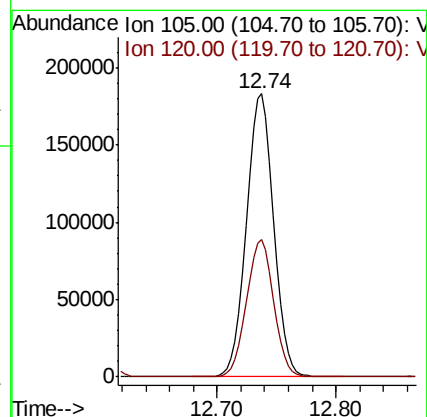
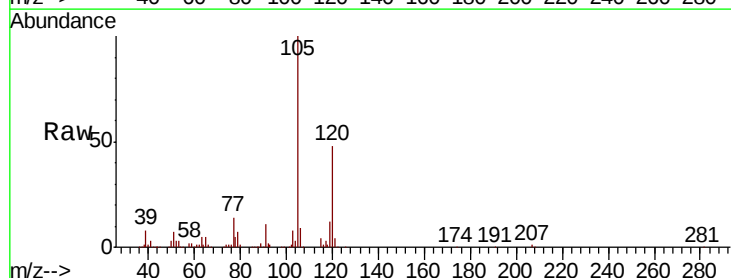
Acq: 24 Oct 2019 13:00

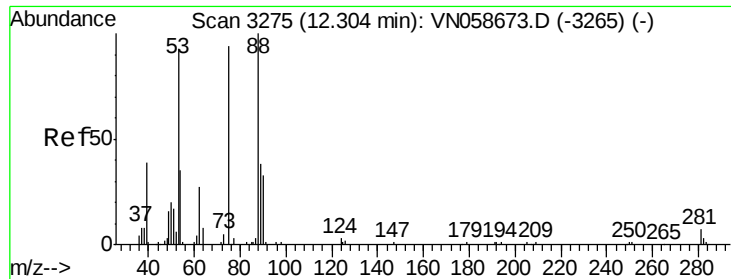
Tgt Ion: 105 Resp: 289975

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 19.214 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

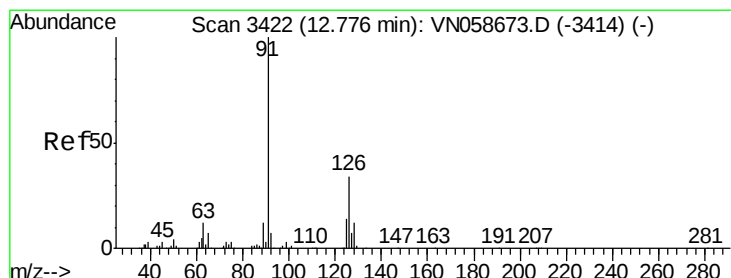
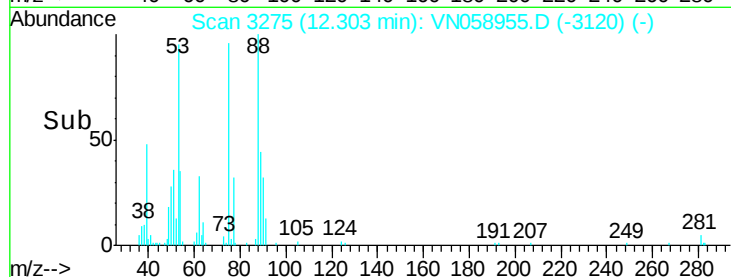
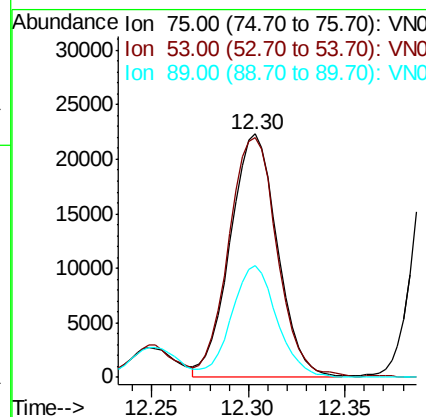
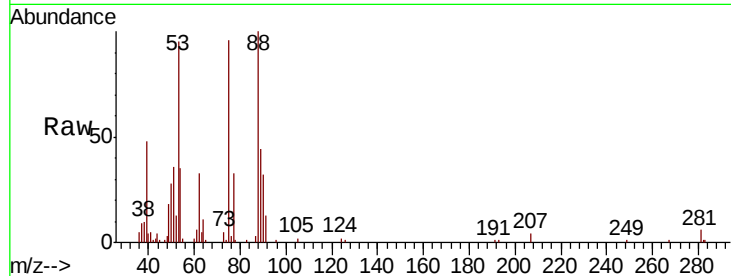
ClientSampleId :

VN1025WBSD01

Tot Ion:	75	Resp:	38006
Ion	Ratio	Lower	Upper
75	100		
53	97.9	50.0	150.0
89	46.2	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.818 ug/l

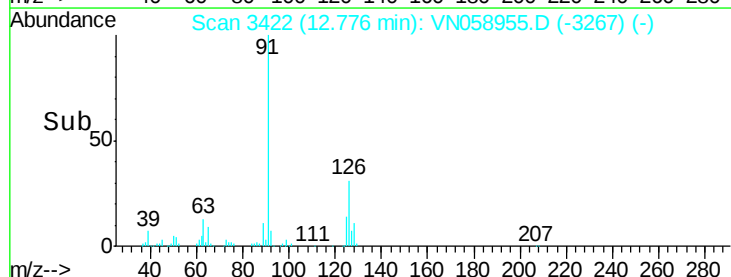
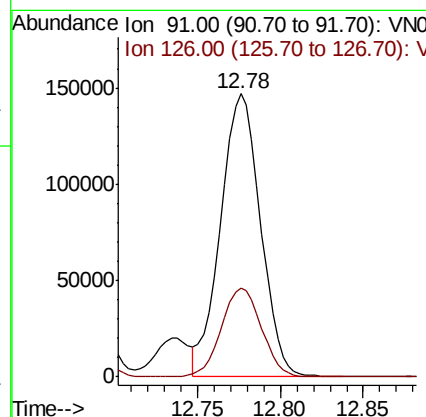
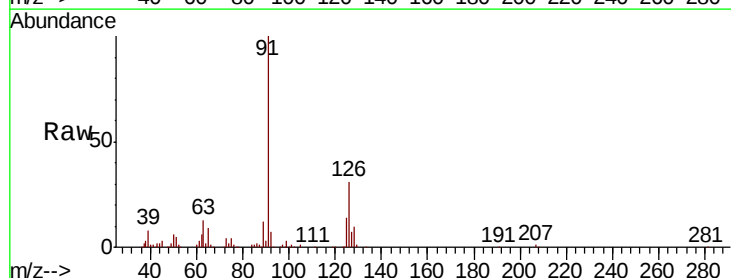
RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion:	91	Resp:	244843
Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.4





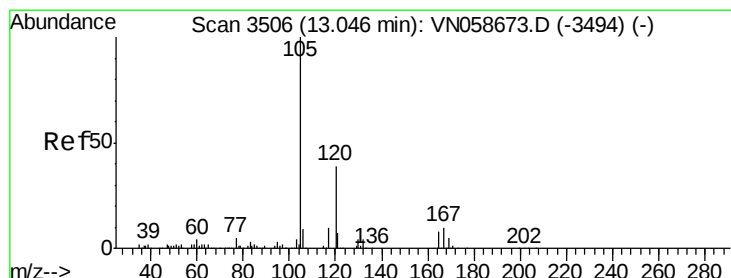
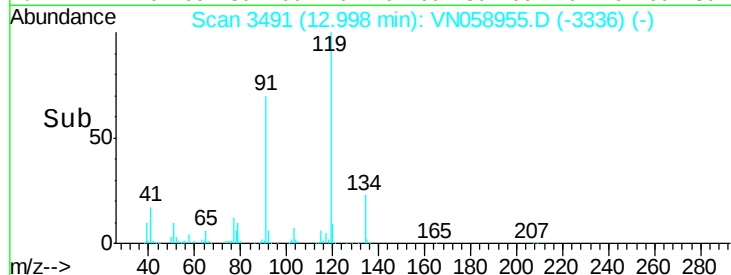
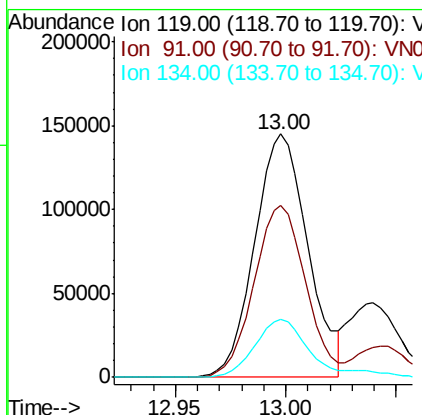
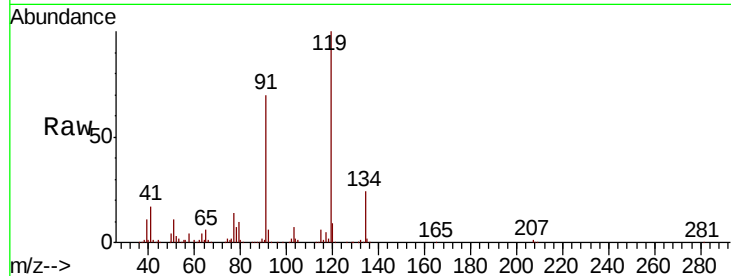
#79
tert-butylbenzene
Concen: 19.519 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243109		
91	69.0	0.0	136.4	
134	23.2	0.0	47.2	

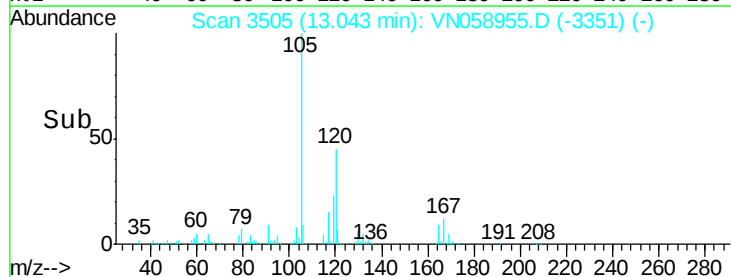
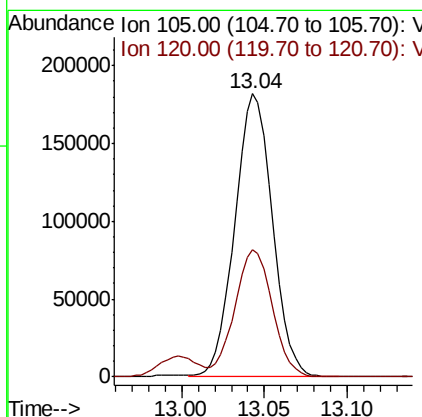
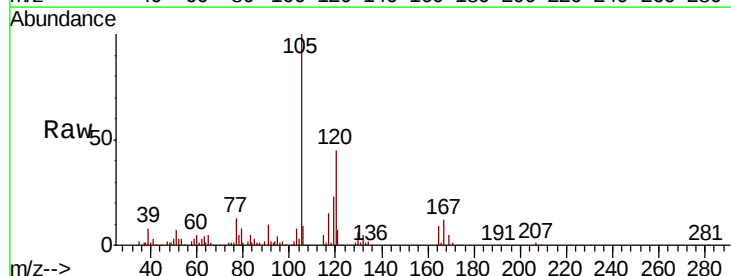
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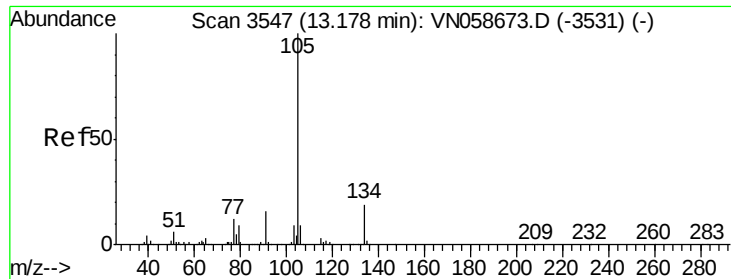
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#80
1,2,4-Trimethylbenzene
Concen: 19.772 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	286420		
120	45.2	0.0	89.2	





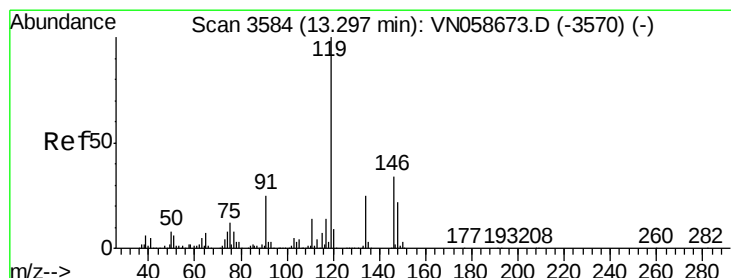
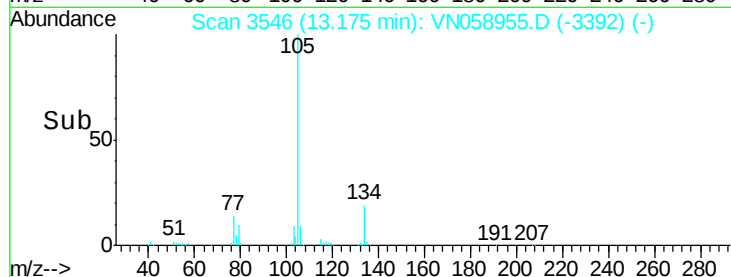
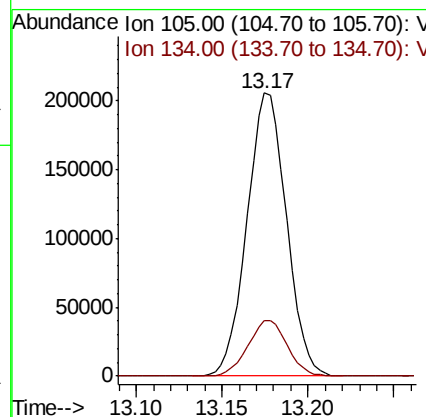
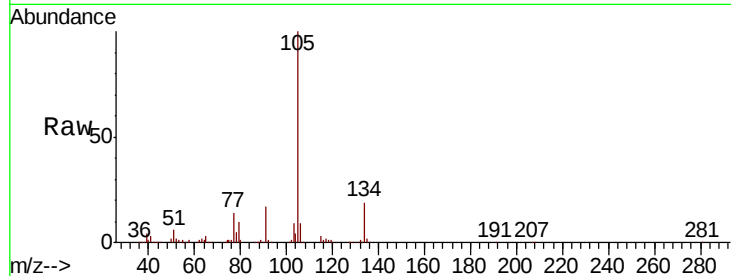
#81
 sec-Butylbenzene
 Concen: 19.455 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	326096		
134	19.7	0.0	38.0	

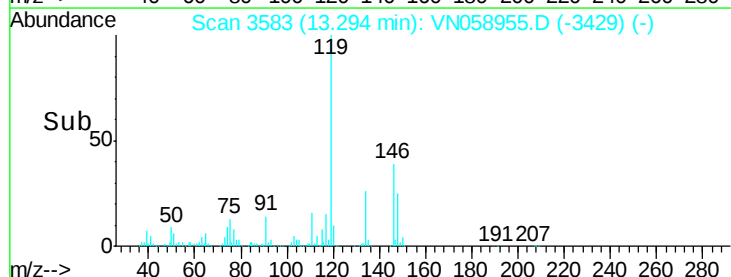
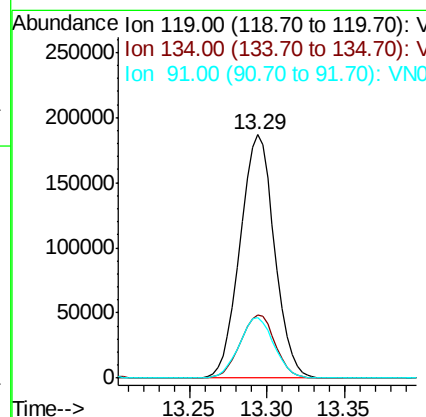
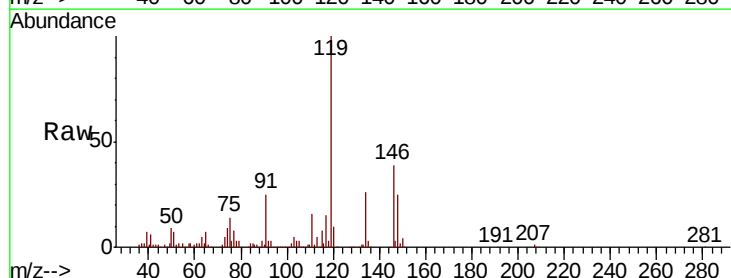
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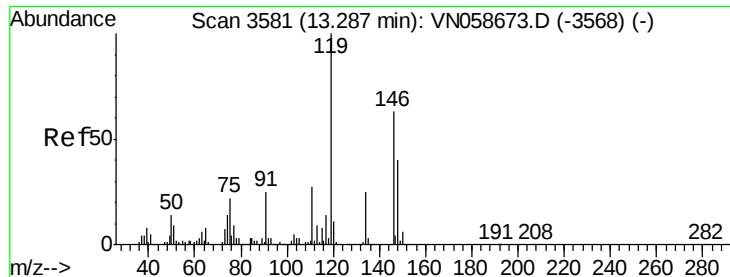
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#82
 p-Isopropyltoluene
 Concen: 19.143 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	288136		
134	26.2	0.0	50.8	
91	25.4	0.0	49.4	





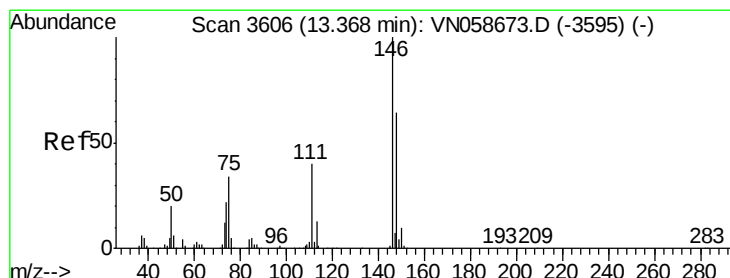
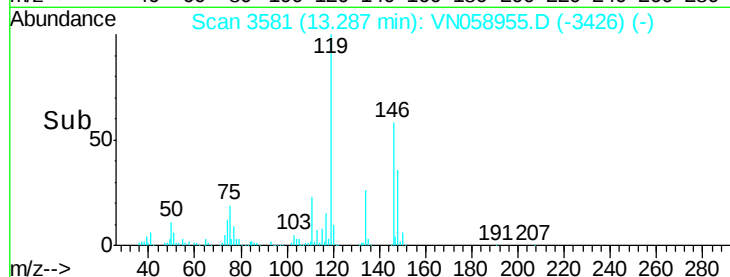
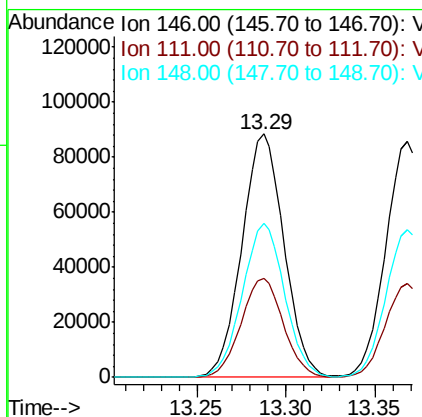
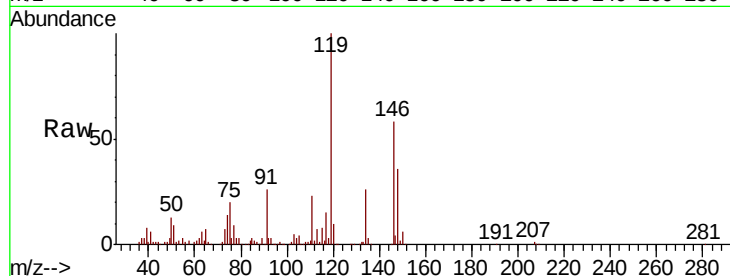
#83
1,3-Dichlorobenzene
Concen: 19.543 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.0	63.0
148	63.6	31.7	95.1

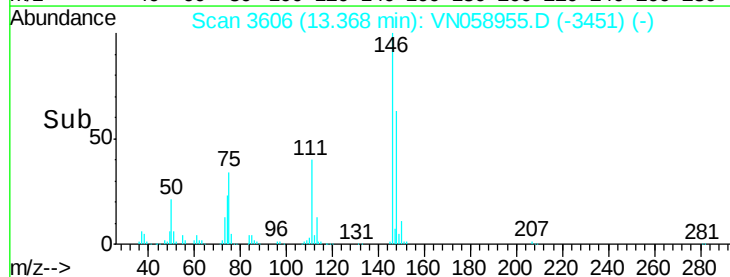
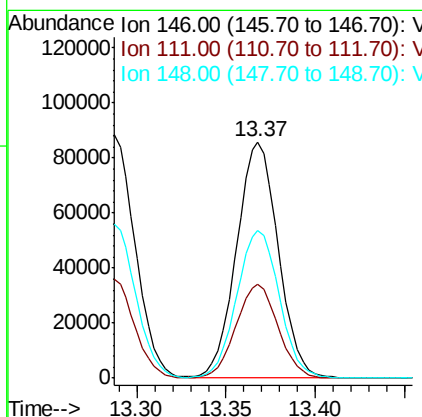
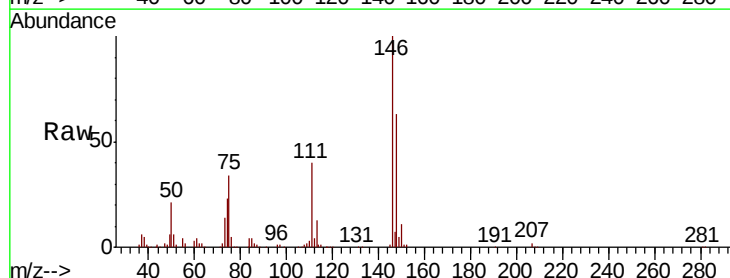
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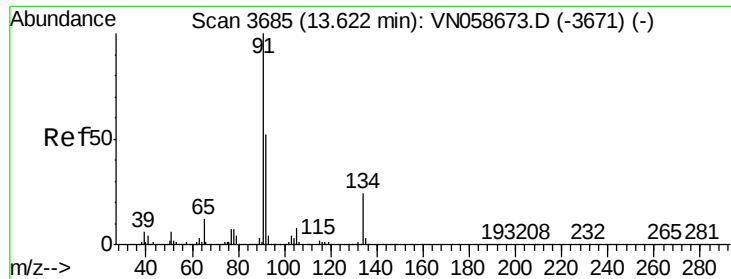
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#84
1,4-Dichlorobenzene
Concen: 18.552 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.4
148	64.6	31.6	94.8





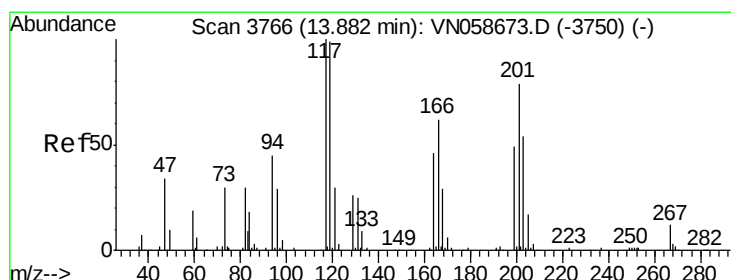
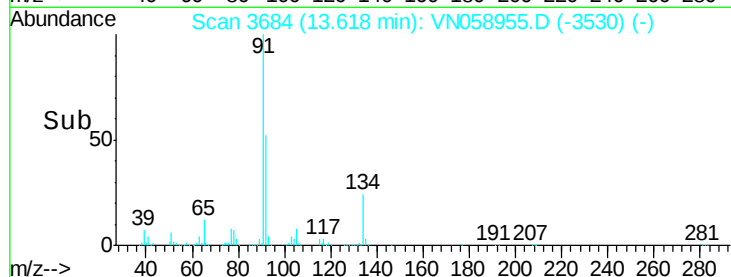
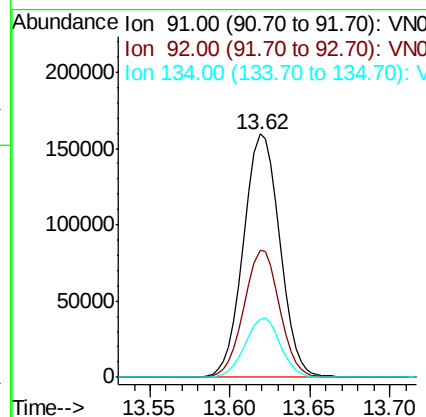
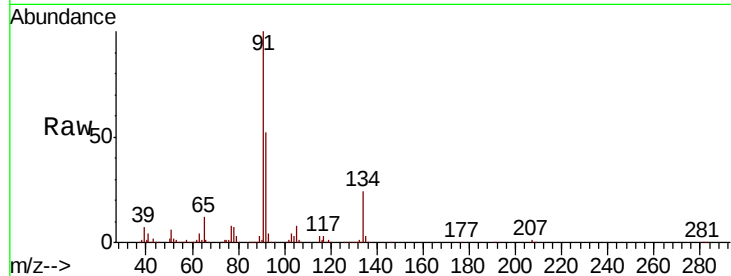
#85
n-Butylbenzene
Concen: 17.931 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	0.0	102.8
134	23.7	0.0	48.6

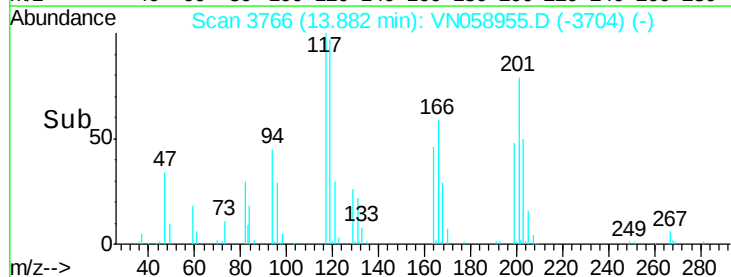
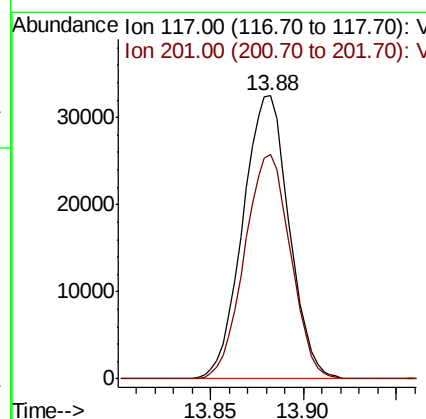
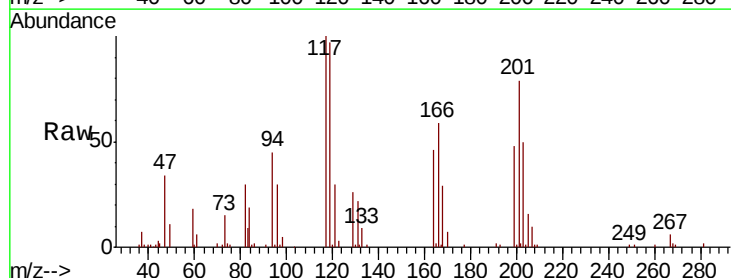
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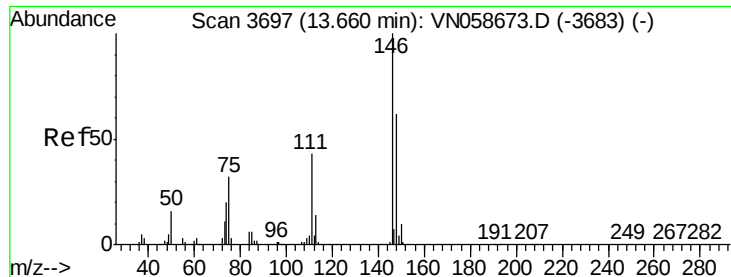
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#86
Hexachloroethane
Concen: 20.614 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	38.7	116.1





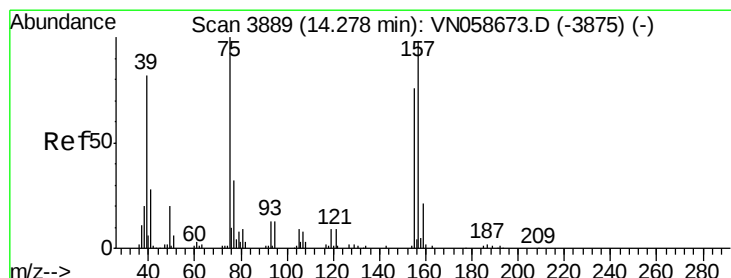
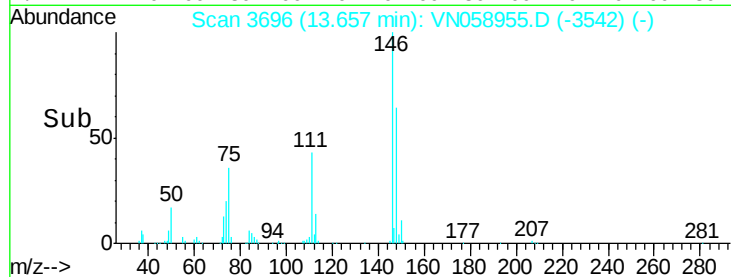
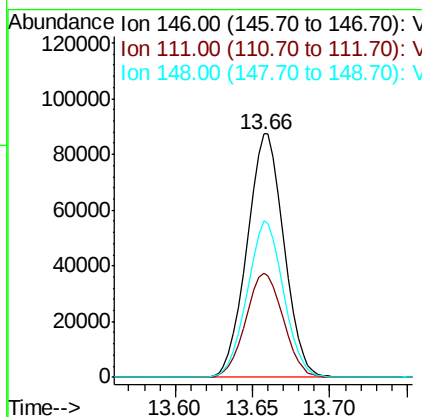
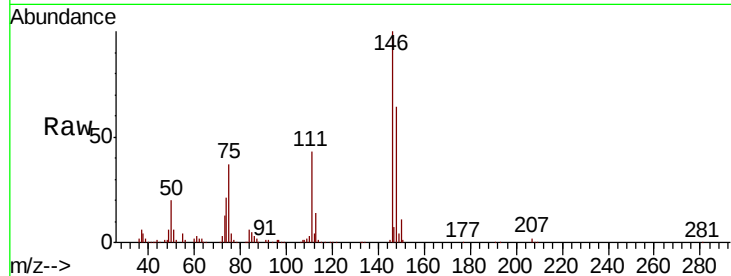
#87
 1,2-Dichlorobenzene
 Concen: 19.711 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.4
148	63.1	32.1	96.5

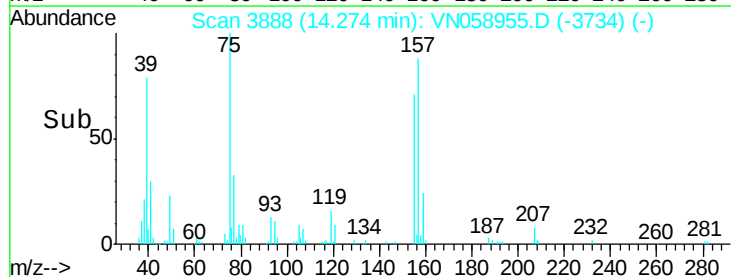
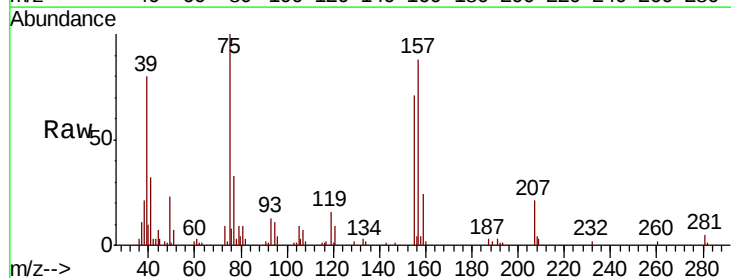
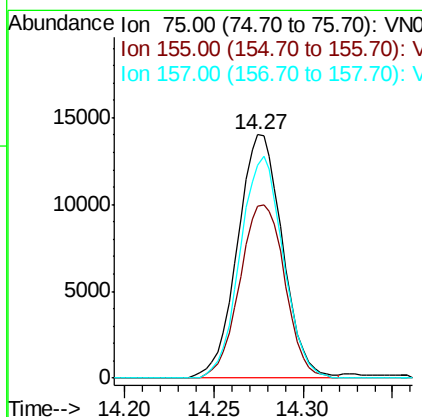
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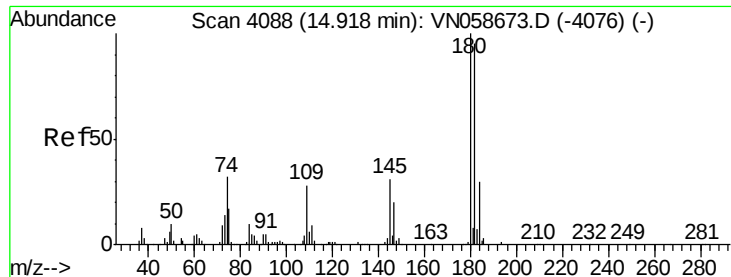
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.366 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	58.3	87.5
157	87.3	75.0	112.6





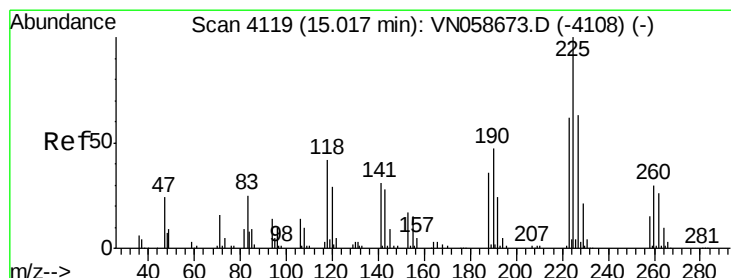
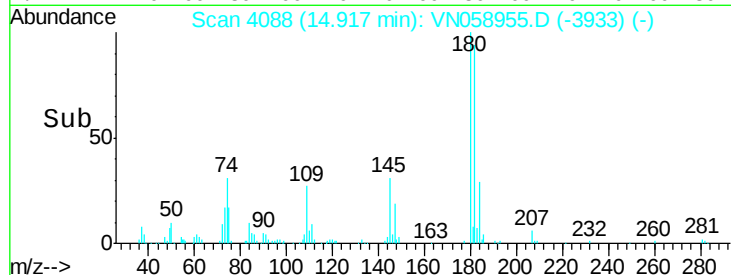
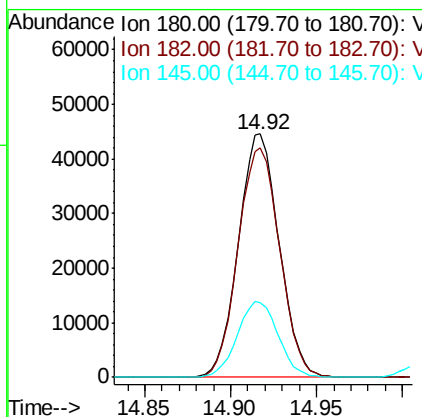
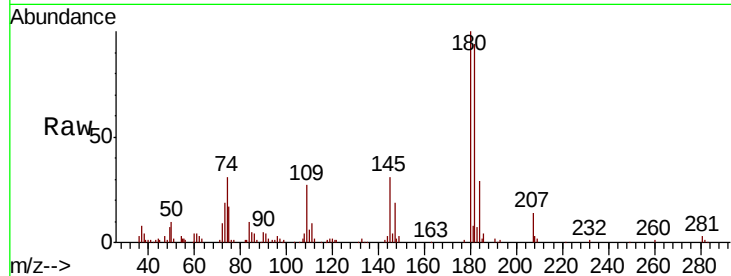
#89
1,2,4-Trichlorobenzene
Concen: 15.767 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.3	112.9
145	31.2	24.8	37.2

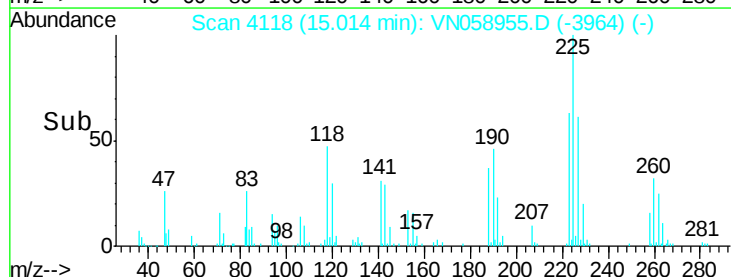
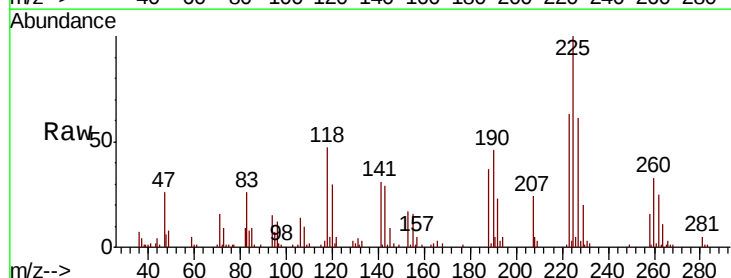
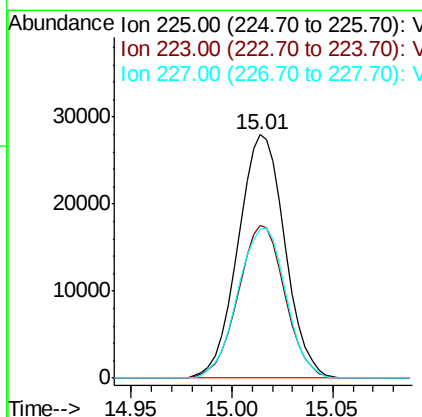
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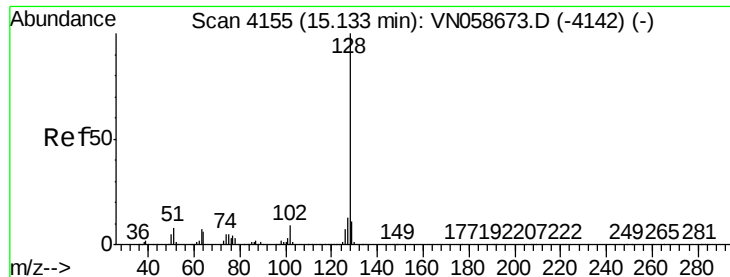
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#90
Hexachlorobutadiene
Concen: 18.879 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	126.2
227	63.3	0.0	127.0





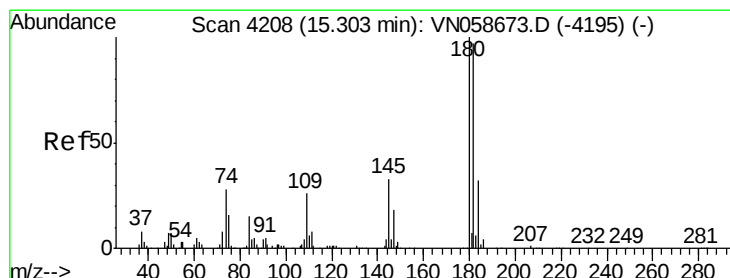
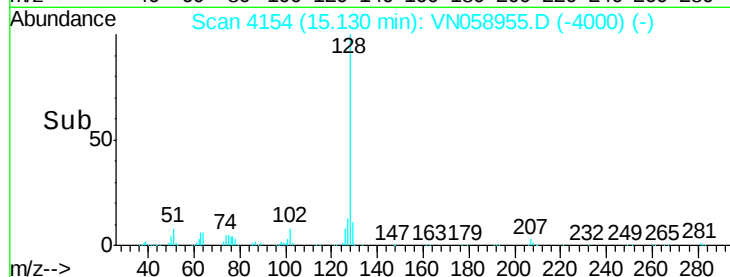
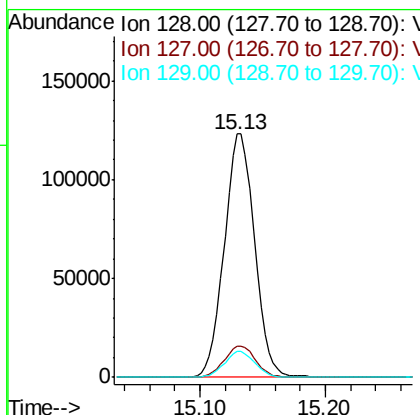
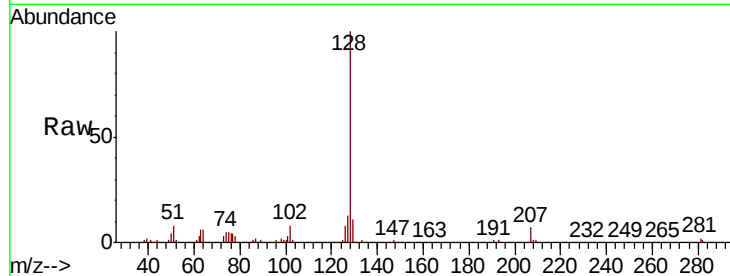
#91
Naphthalene
Concen: 15.002 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.7	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 16.560 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	193.4
145	32.5	0.0	65.8

