

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058907.D
 Acq On : 22 Oct 2019 14:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/23/2019 3:09:44 PM

Quant Time: Oct 23 01:55:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	63073	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	537283	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	512451	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	248579	46.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	154.80%
60) 4-Bromofluorobenzene	12.40	95	262256	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	10.08	98	708182	29.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	209785	61.387	ug/l 98
3) Chloromethane	2.04	50	247557	54.231	ug/l 98
4) Vinyl Chloride	2.17	62	252179	53.451	ug/l 98
5) Bromomethane	2.54	94	154391	53.002	ug/l 97
6) Chloroethane	2.68	64	161850	54.577	ug/l 100
7) Trichlorofluoromethane	3.00	101	313341	53.959	ug/l 98
8) Diethyl Ether	3.39	74	110922	50.082	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	174824	52.030	ug/l 99
10) 1,1-Dichloroethene	3.72	96	162646	49.285	ug/l 98
11) Methyl Iodide	3.93	142	232965	50.689	ug/l 98
12) Methyl Acetate	4.30	43	266226	50.422	ug/l 96
13) Acrolein	3.58	56	113476	194.512	ug/l 97
14) Acrylonitrile	4.96	53	524415	252.070	ug/l 99
15) Acetone	3.79	58	170339	275.831	ug/l 99
16) Carbon Disulfide	4.03	76	498043	51.742	ug/l 99
17) Allyl chloride	4.30	41	298919	45.508	ug/l 99
18) Methylene Chloride	4.53	84	197461	49.412	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	182165	50.705	ug/l 98
20) Diisopropyl ether	5.93	45	691685	51.685	ug/l 93
21) 1,1-Dichloroethane	5.82	63	381601	51.494	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	210369	49.111	ug/l 96
23) tert-Butyl Alcohol	4.76	59	190426	223.781	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	602844	48.966	ug/l 100
25) Chloroform	7.35	83	376628	50.958	ug/l 97
26) Cyclohexane	7.63	56	338354	52.019	ug/l # 98
29) 1,1-Dichloropropene	7.77	75	285254	33.727	ug/l 100
30) 2-Butanone	6.81	43	796549	166.663	ug/l 99
31) 2,2-Dichloropropane	6.80	77	336821	33.788	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	325863	33.313	ug/l 100
33) Carbon Tetrachloride	7.76	117	282417	33.355	ug/l 99
34) Benzene	8.02	78	834904	33.531	ug/l 97
35) Methacrylonitrile	7.16	41	142132m	33.664	ug/l
36) 1,2-Dichloroethane	8.11	62	319792	33.592	ug/l 98
37) Trichloroethene	8.82	130	199345	32.589	ug/l 100
38) Methylcyclohexane	9.07	83	323999	33.041	ug/l 98
39) 1,2-Dichloropropane	9.11	63	228452	33.573	ug/l 98
40) Dibromomethane	9.20	93	144632	33.670	ug/l 98

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 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	300587	34.252	ug/l	100
42) Vinyl Acetate	5.87	43	2950603	176.276	ug/l	100
43) Ethyl Acetate	6.91	43	305700	32.588	ug/l	95
44) Isopropyl Acetate	8.15	43	498349	32.797	ug/l	99
45) 1,4-Dioxane	9.19	88	69529	595.905	ug/l	97
46) Methyl methacrylate	9.19	41	231004	33.115	ug/l	98
47) n-amyl Acetate	12.07	43	454819	33.765	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	339856	33.392	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	364469	34.102	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	205139	33.452	ug/l	98
51) Ethyl methacrylate	10.43	69	322707	32.910	ug/l	98
52) 1,3-Dichloropropane	10.70	76	360043	32.968	ug/l	99
53) Dibromochloromethane	10.90	129	226361	34.396	ug/l	99
54) 1,2-Dibromoethane	11.00	107	211883	33.335	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	695846	142.662	ug/l	100
56) Bromoform	12.13	173	159001	34.683	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	1611052	172.333	ug/l	99
59) 2-Hexanone	10.75	43	1220710	166.561	ug/l	100
61) Tetrachloroethene	10.63	164	180528	32.600	ug/l	99
62) Toluene	10.15	91	898661	32.601	ug/l	99
64) Chlorobenzene	11.43	112	541548	32.134	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	202557	32.054	ug/l	99
66) Ethyl Benzene	11.51	91	999666	32.752	ug/l	99
67) m/p-Xylenes	11.62	106	740061	64.899	ug/l	98
68) o-Xylene	11.95	106	352588	31.894	ug/l	98
69) Styrene	11.96	104	594774	32.567	ug/l	99
70) Isopropylbenzene	12.25	105	973377	32.613	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	320046	31.852	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	303599m	33.345	ug/l	
73) Bromobenzene	12.53	156	229061	31.597	ug/l	98
74) n-propylbenzene	12.59	91	1187960	34.005	ug/l	100
75) 2-Chlorotoluene	12.68	91	694866	33.059	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	848116	33.177	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	115315	33.247	ug/l	96
78) 4-Chlorotoluene	12.78	91	718668	33.174	ug/l	99
79) tert-butylbenzene	13.00	119	707047	32.374	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	847746	33.374	ug/l	100
81) sec-Butylbenzene	13.17	105	973130	33.109	ug/l	100
82) p-Isopropyltoluene	13.29	119	875750	33.181	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	428988	32.702	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	419486	32.015	ug/l	98
85) n-Butylbenzene	13.62	91	802255	33.200	ug/l	99
86) Hexachloroethane	13.88	117	161283	33.578	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	421806	32.571	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	68663	30.702	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	241293	29.508	ug/l	100
90) Hexachlorobutadiene	15.01	225	132529	31.386	ug/l	100
91) Naphthalene	15.13	128	667283	27.639	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	234648	29.478	ug/l	98

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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

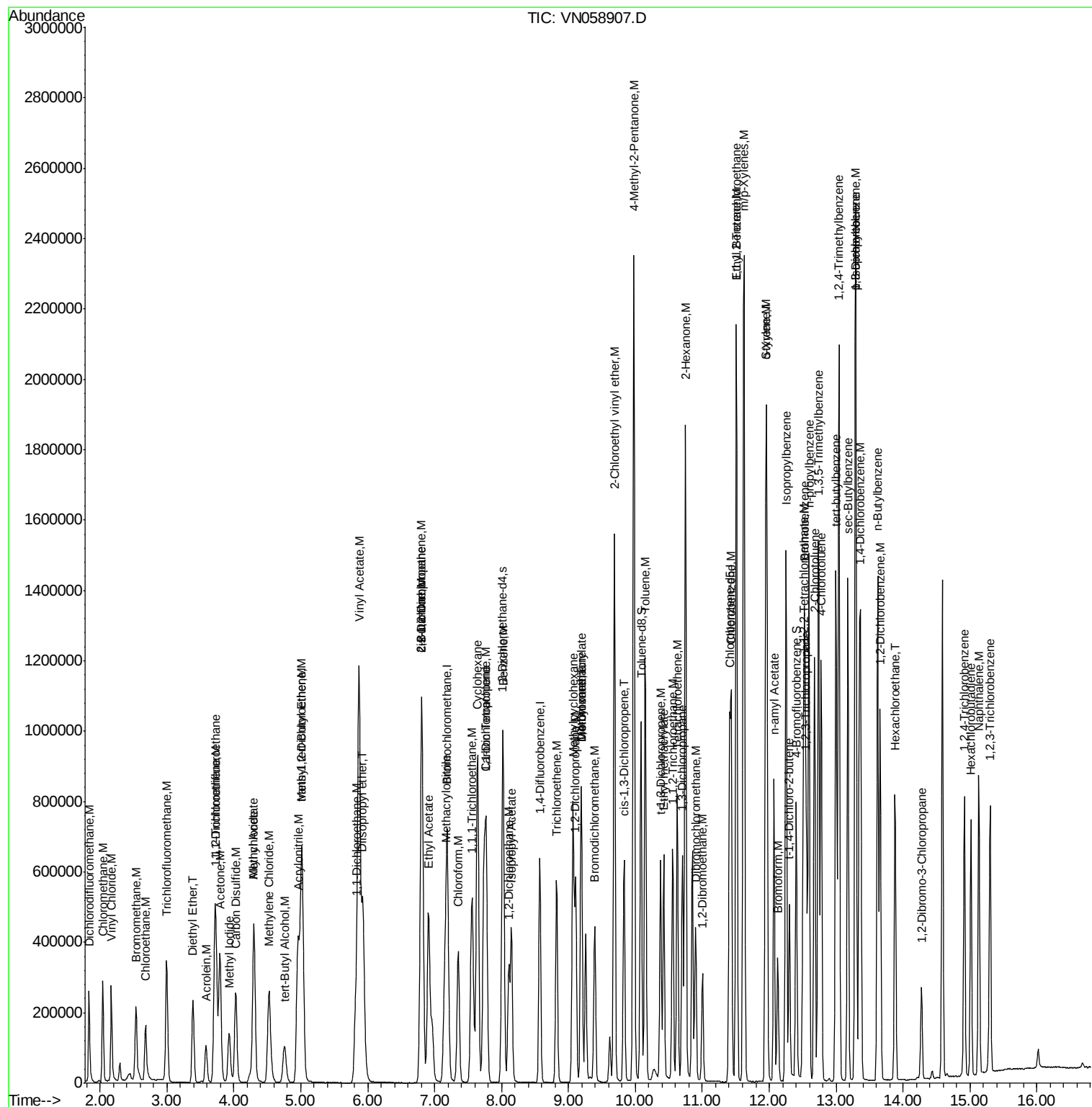
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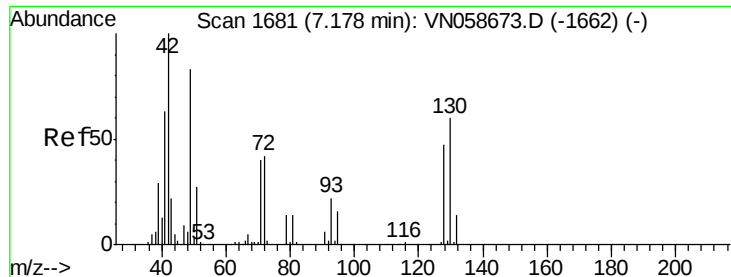
Instrument :
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Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 63073

Ion Ratio Lower Upper

128 100

49 194.2 0.0 453.5

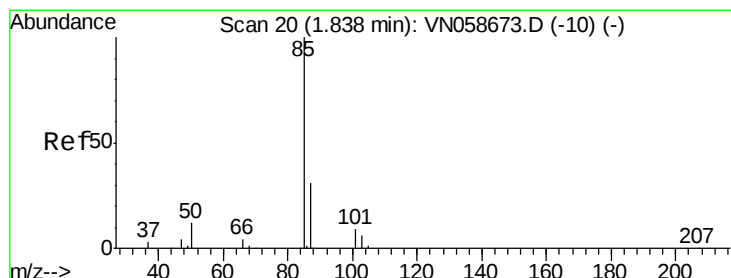
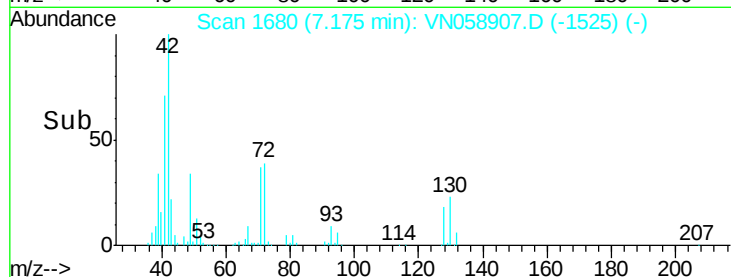
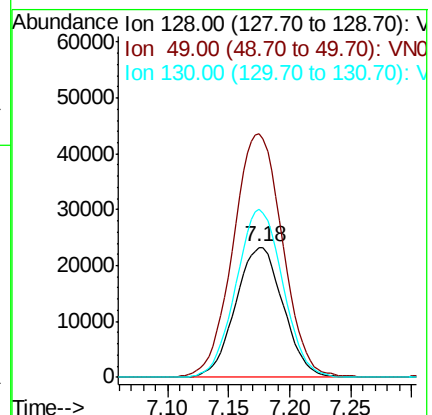
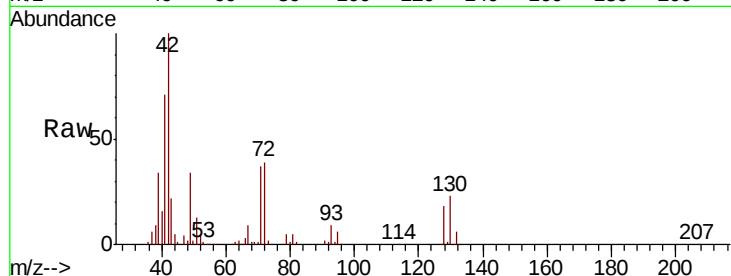
130 126.9 0.0 314.2

Manual Integrations

APPROVED

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10/23/2019 3:09:44 PM



#2

Dichlorodifluoromethane

Concen: 61.387 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058907.D

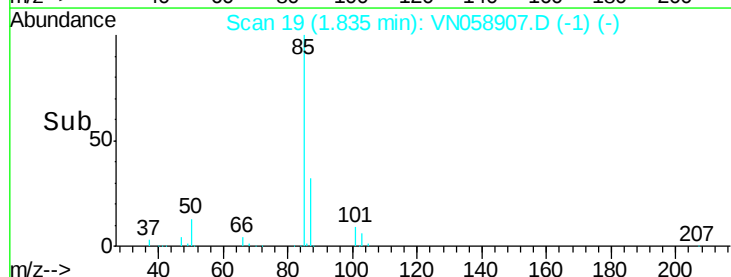
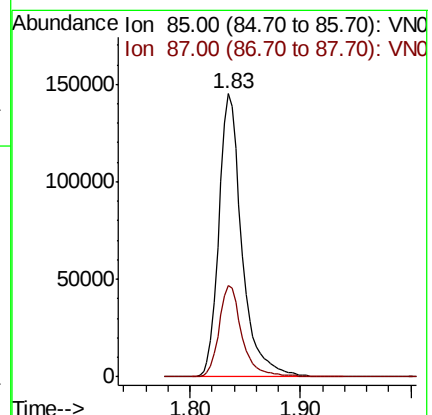
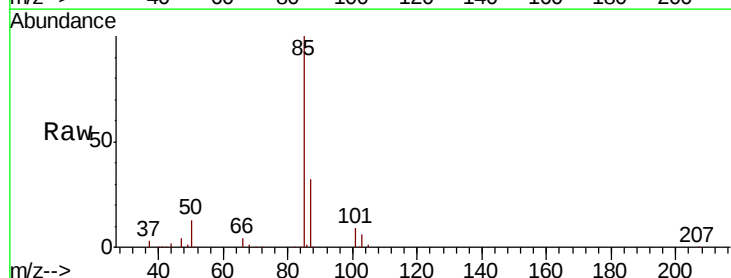
Acq: 22 Oct 2019 14:33

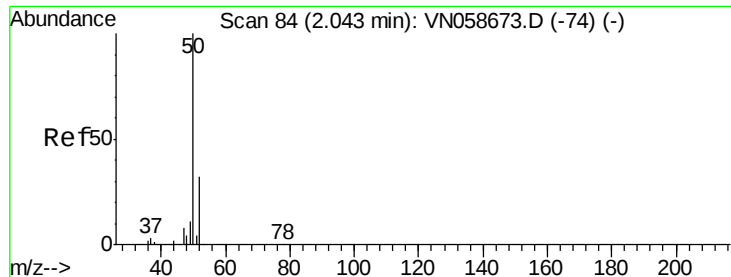
Tgt Ion: 85 Resp: 209785

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.0





#3

Chloromethane

Concen: 54.231 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 247557

Ion Ratio Lower Upper

50 100

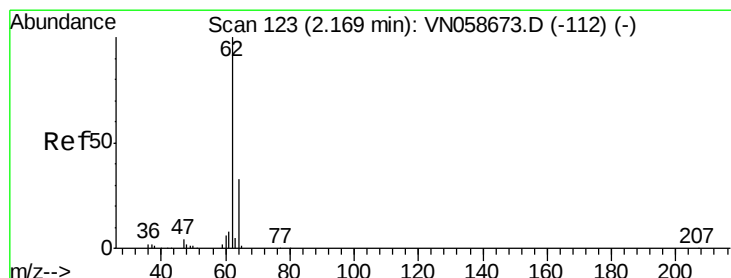
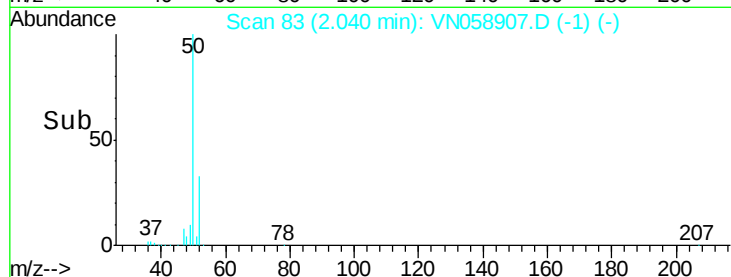
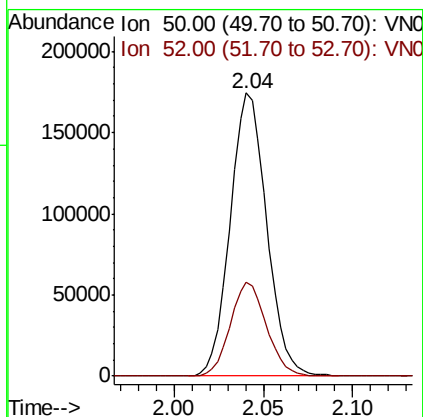
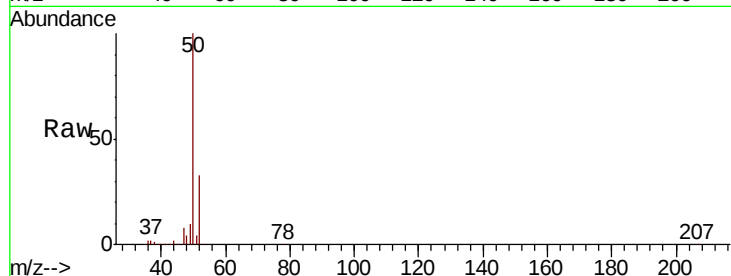
52 33.2 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.451 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058907.D

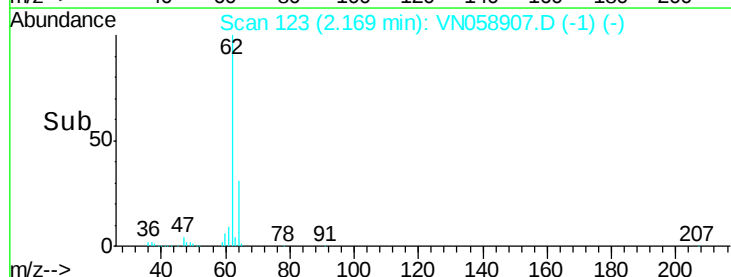
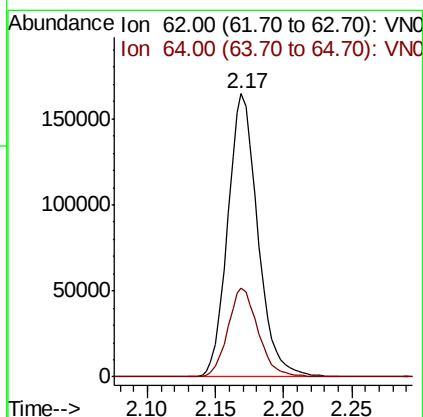
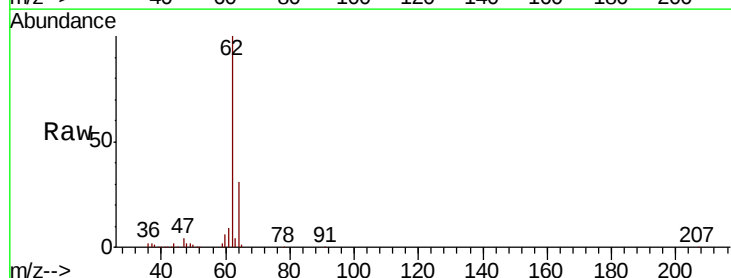
Acq: 22 Oct 2019 14:33

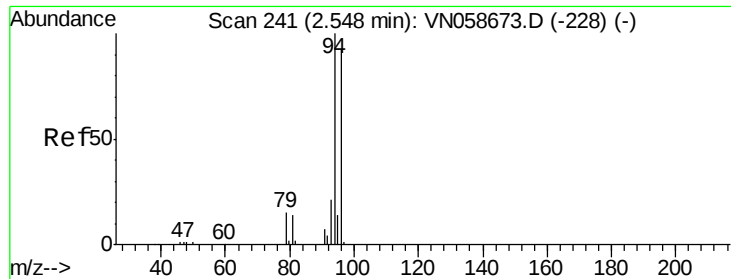
Tgt Ion: 62 Resp: 252179

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 53.002 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 154391

Ion Ratio Lower Upper

94 100

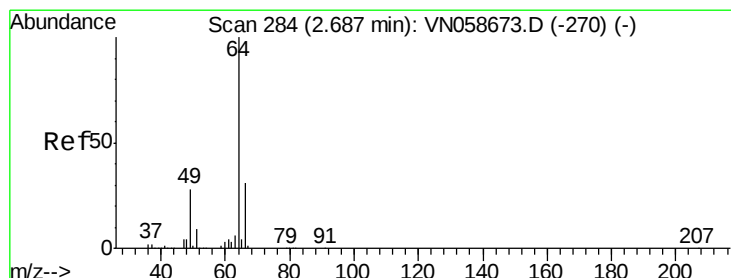
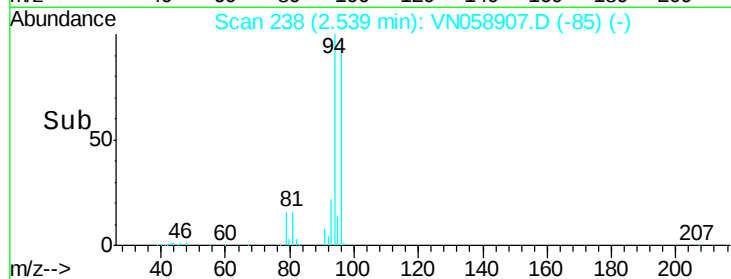
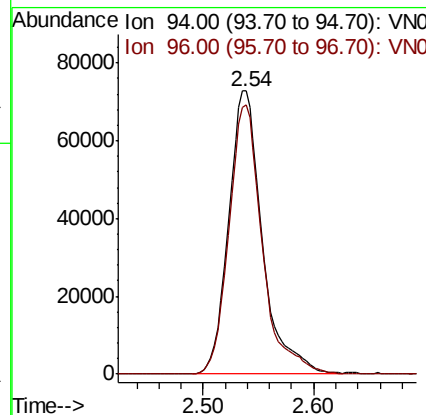
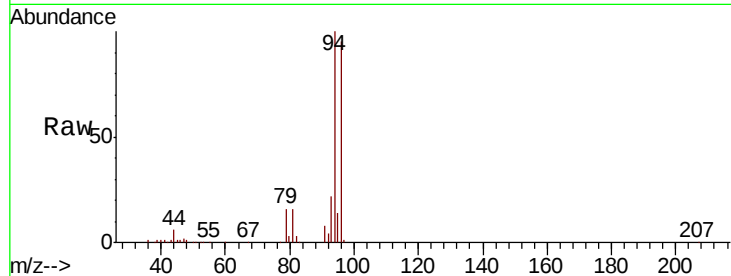
96 95.0 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 54.577 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN058907.D

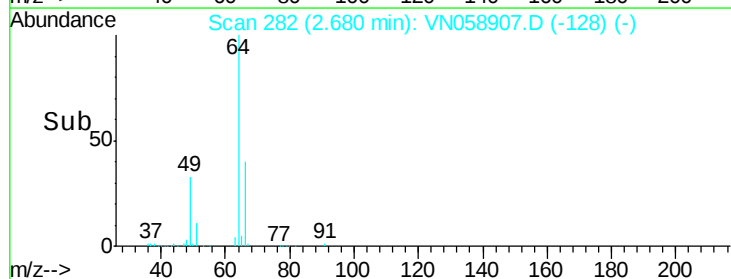
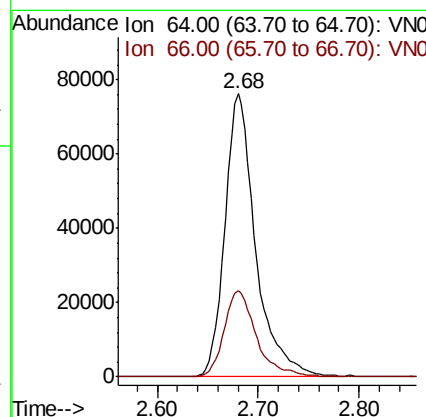
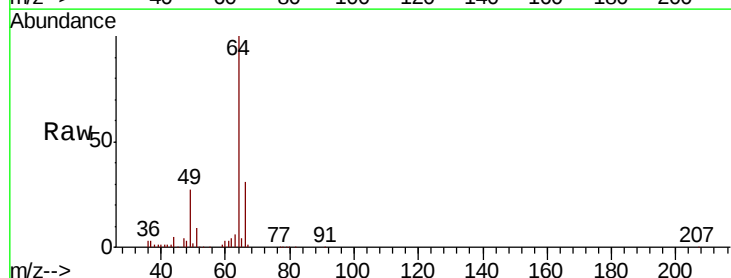
Acq: 22 Oct 2019 14:33

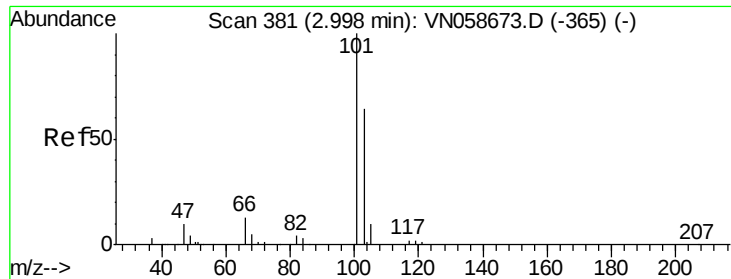
Tgt Ion: 64 Resp: 161850

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8





#7

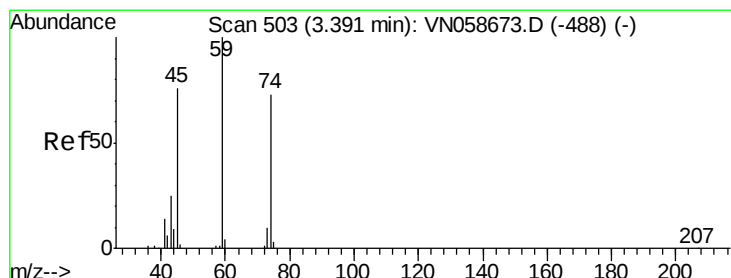
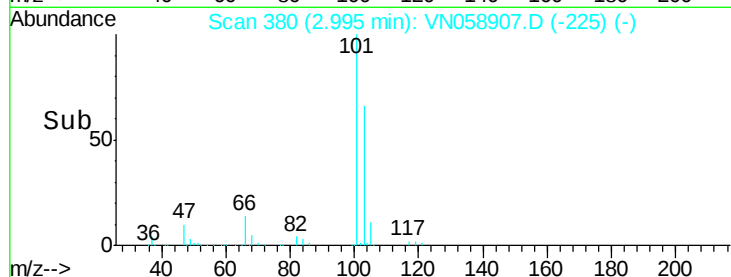
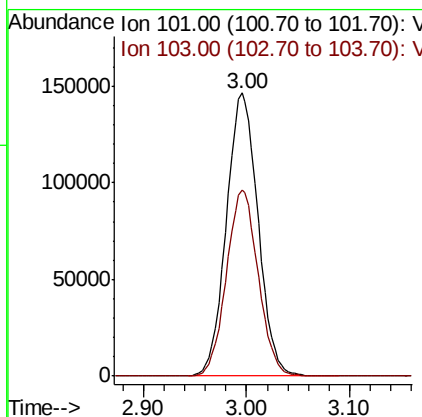
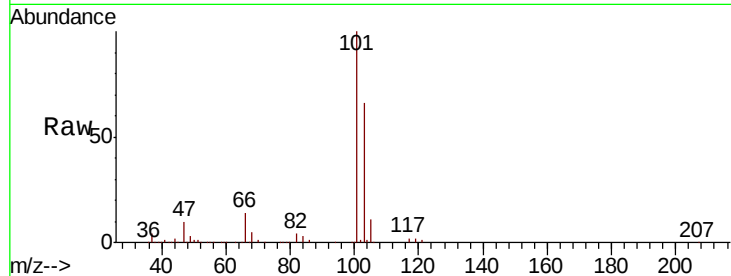
Trichlorofluoromethane
Concen: 53.959 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.5	77.3

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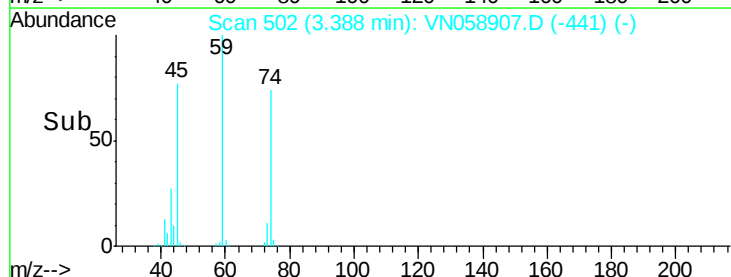
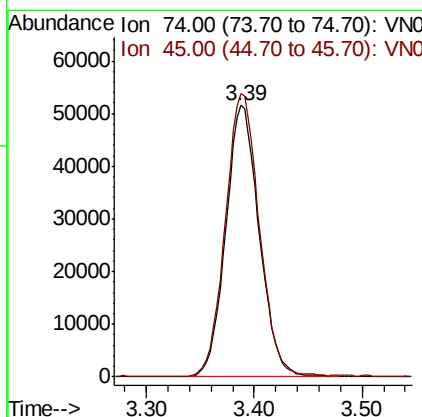
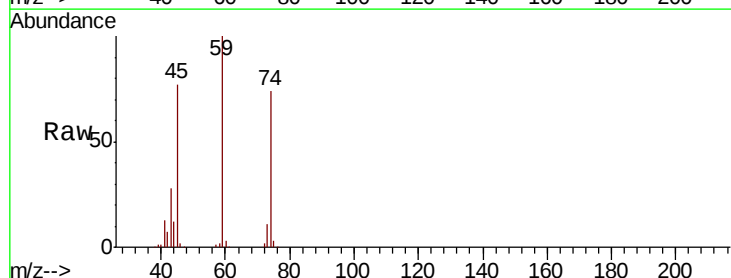
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10/23/2019 3:09:44 PM

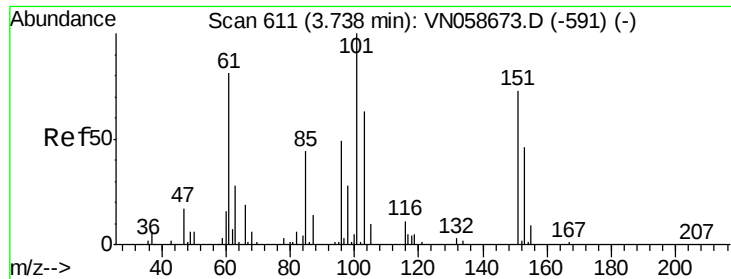


#8

Diethyl Ether
Concen: 50.082 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.030 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

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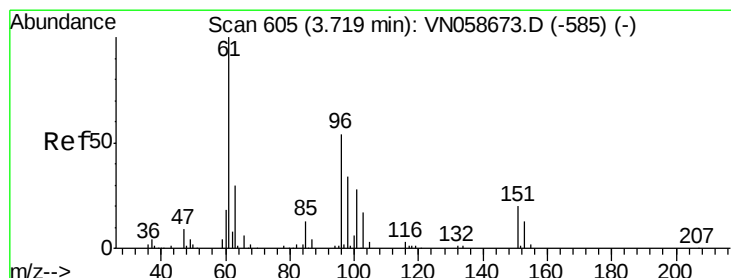
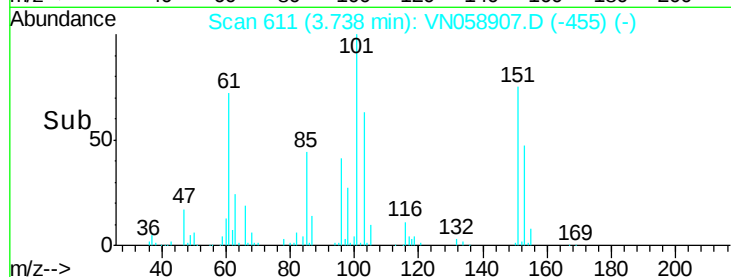
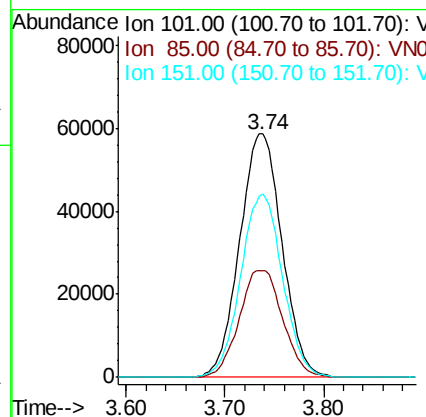
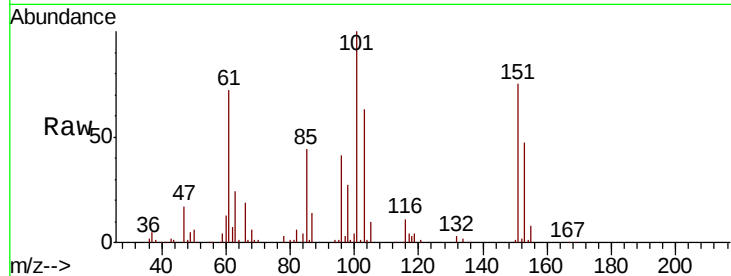
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	174824
Ion Ratio	Lower	Upper	
101	100		
85	45.1	0.0	93.8
151	74.3	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 49.285 ug/l

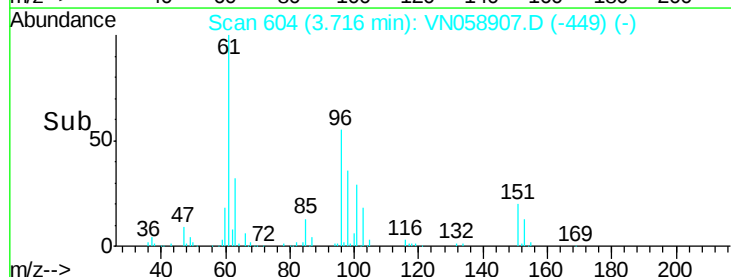
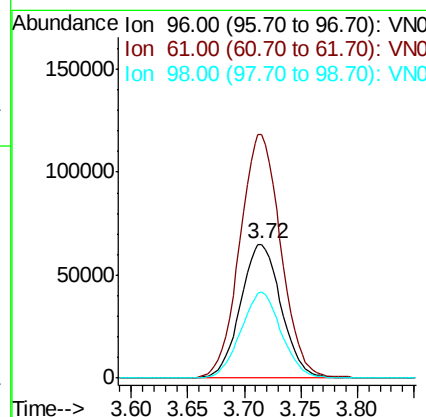
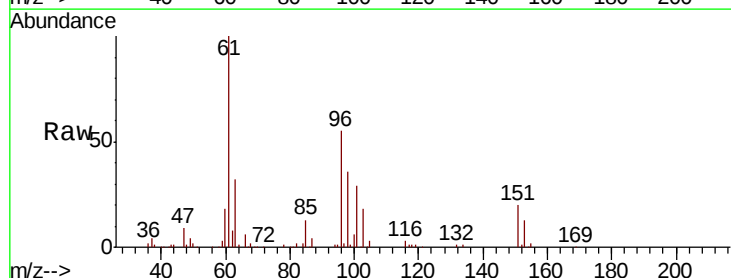
RT: 3.72 min Scan# 604

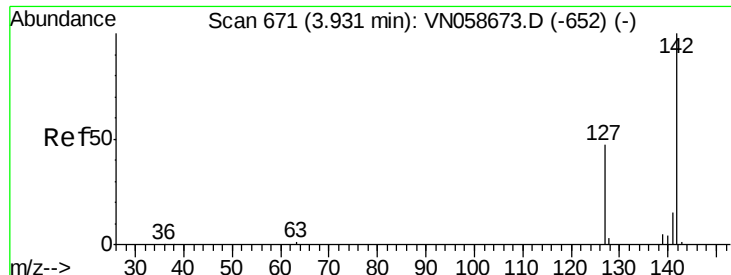
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	96	Resp:	162646
Ion Ratio	Lower	Upper	
96	100		
61	181.9	148.5	222.7
98	64.8	51.0	76.6





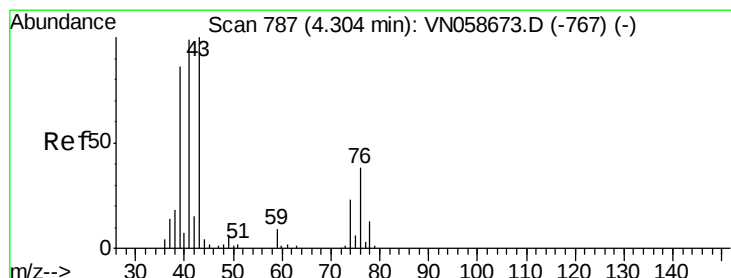
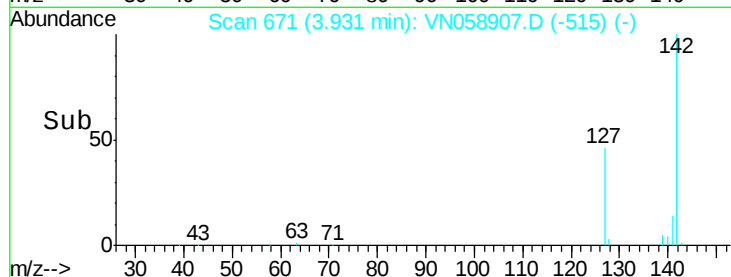
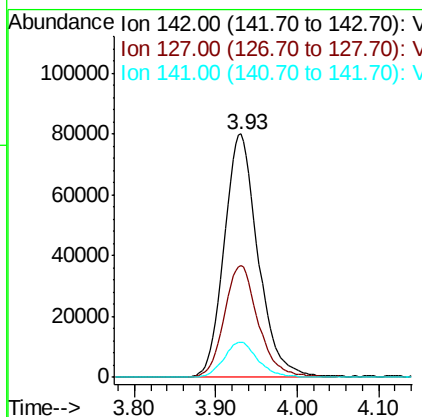
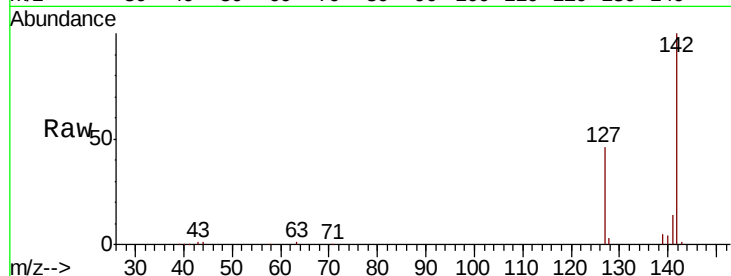
#11
Methyl Iodide
Concen: 50.689 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.8	23.5	70.6
141	14.4	7.4	22.2

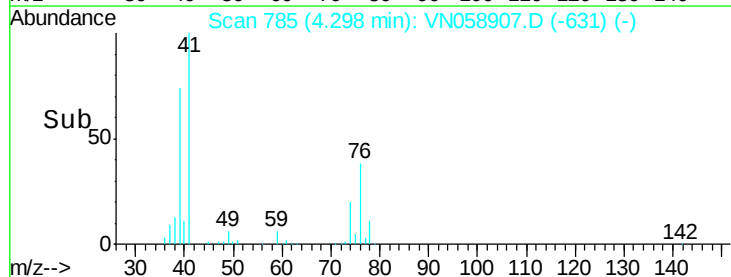
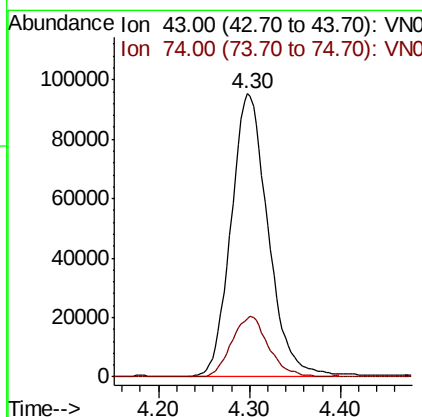
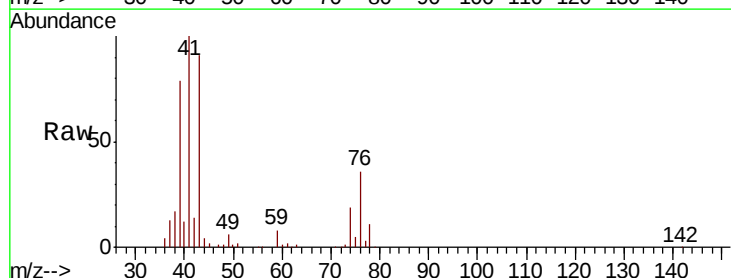
Manual Integrations
APPROVED

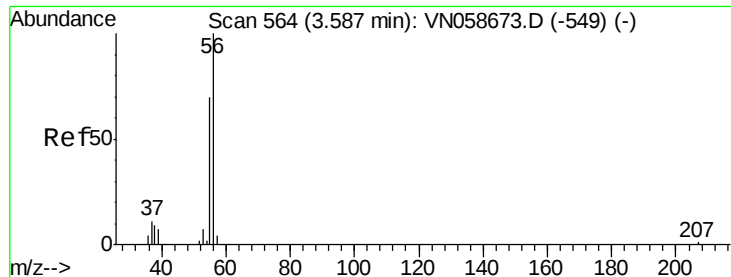
MMDadoda
10/23/2019 3:09:44 PM



#12
Methyl Acetate
Concen: 50.422 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	18.1	27.1





#13

Acrolein

Concen: 194.512 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 113476

Ion Ratio Lower Upper

56 100

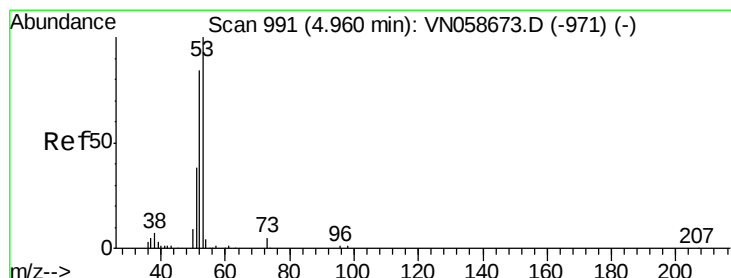
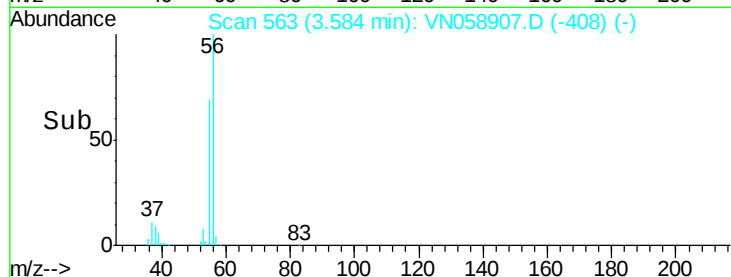
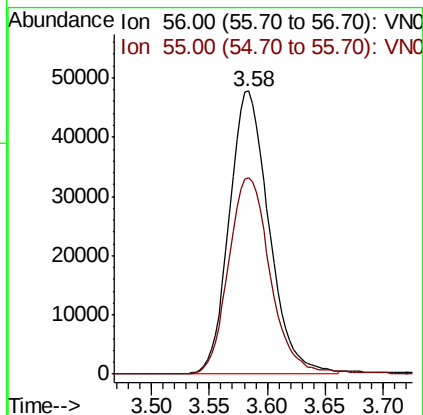
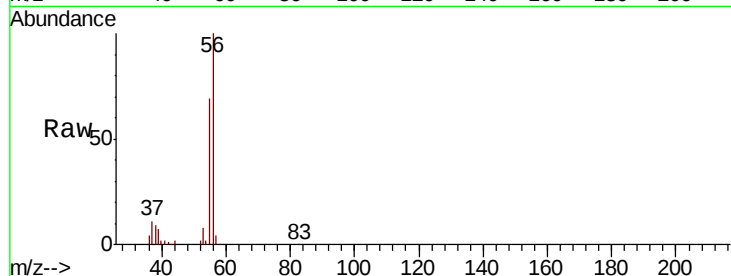
55 72.7 55.9 83.9

Manual Integrations

APPROVED

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#14

Acrylonitrile

Concen: 252.070 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

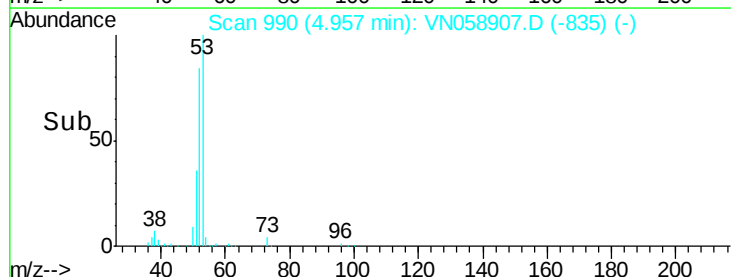
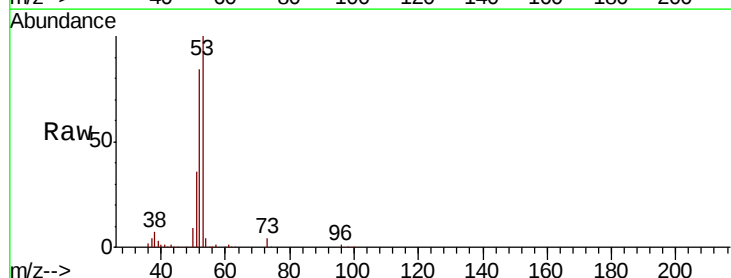
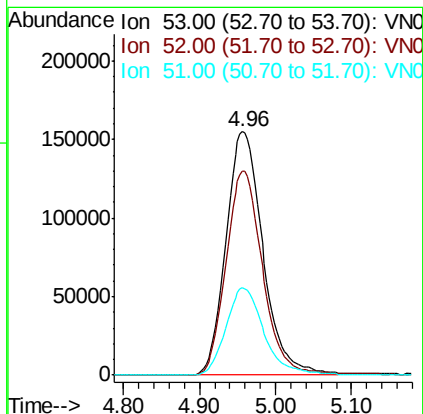
Tgt Ion: 53 Resp: 524415

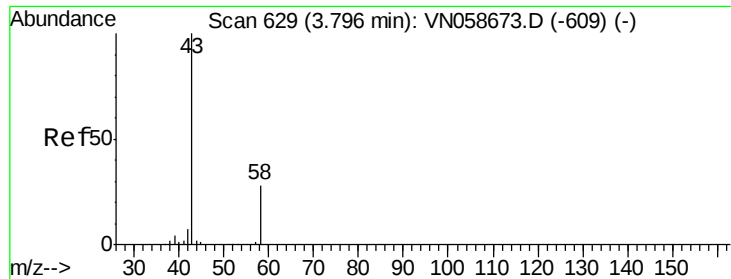
Ion Ratio Lower Upper

53 100

52 83.1 42.2 126.6

51 36.9 18.8 56.4





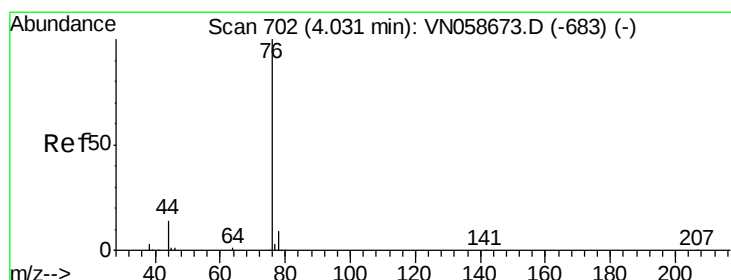
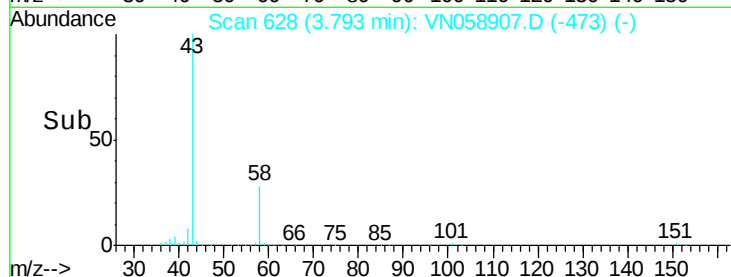
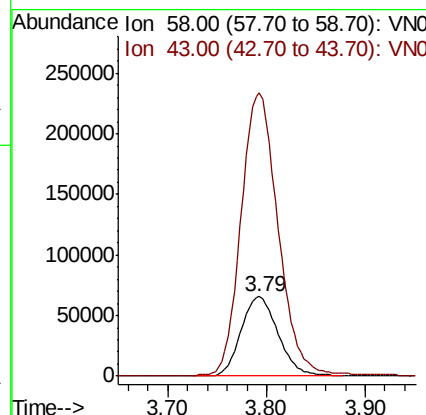
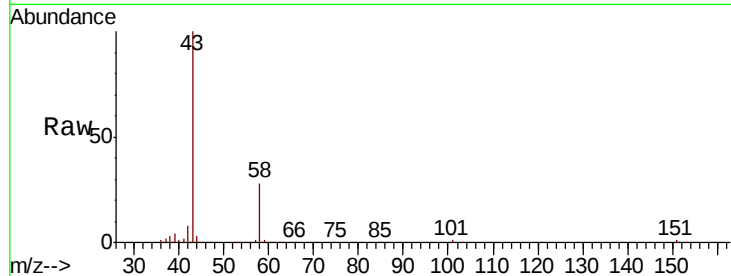
#15
Acetone
Concen: 275.831 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	58	Resp	170339
Ion Ratio	Lower	Upper	
58	100		
43	354.9	281.7	422.5

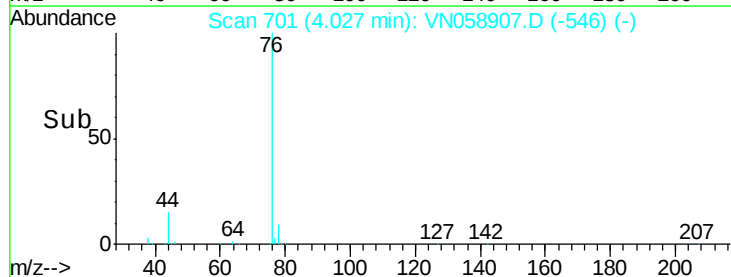
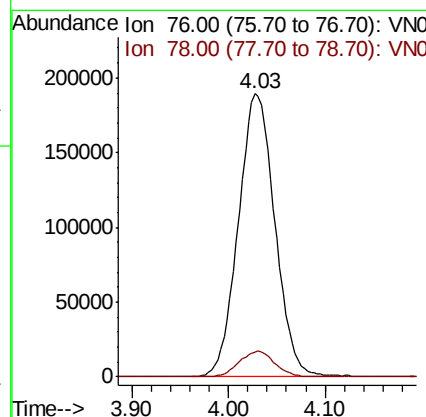
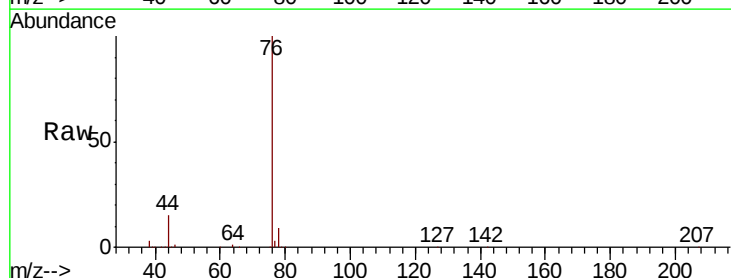
Manual Integrations
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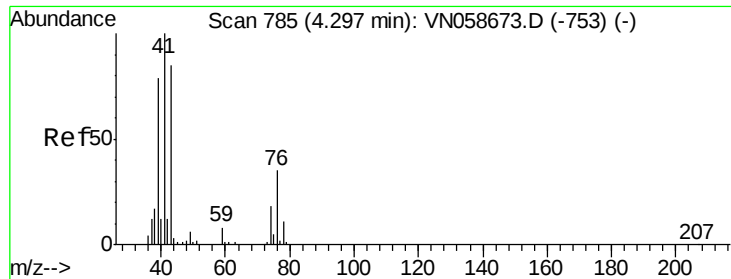
MMDadoda
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#16
Carbon Disulfide
Concen: 51.742 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	76	Resp	498043
Ion Ratio	Lower	Upper	
76	100		
78	8.9	7.4	11.0





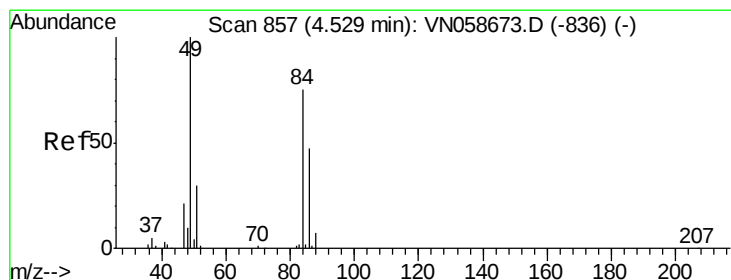
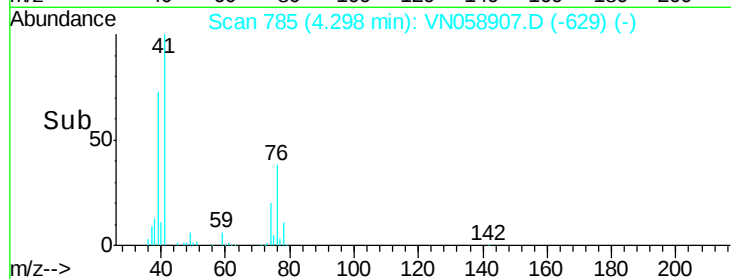
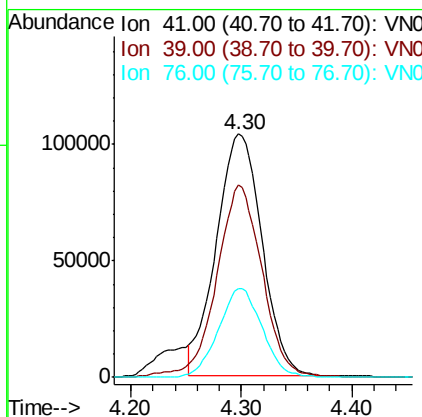
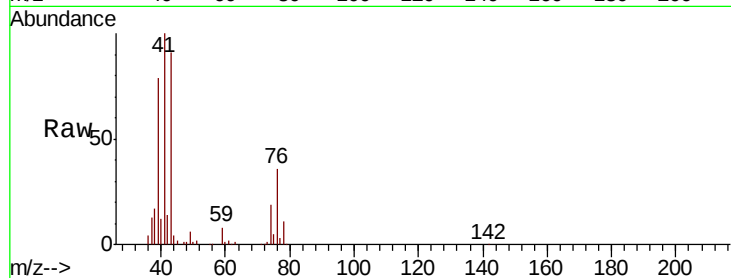
#17
Allvl chloride
Concen: 45.508 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.0	39.6	118.8
76	36.5	17.6	52.9

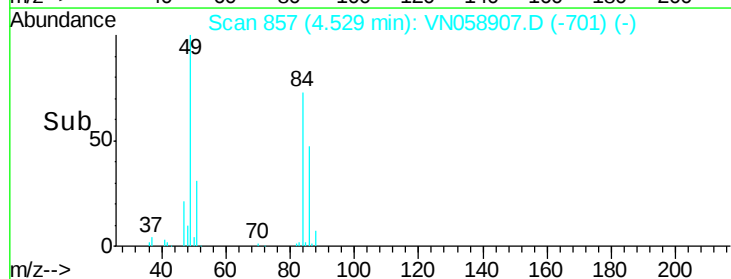
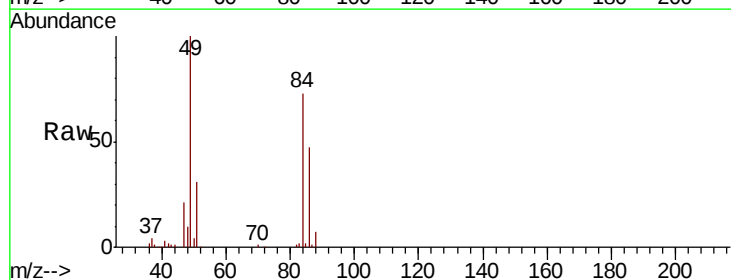
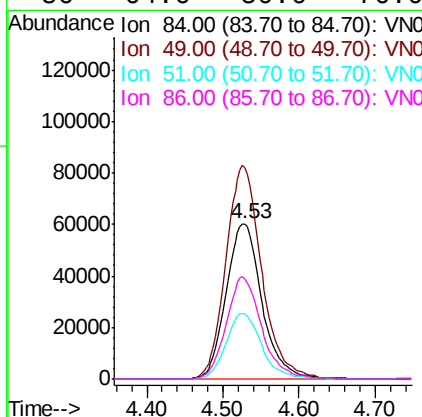
Manual Integrations
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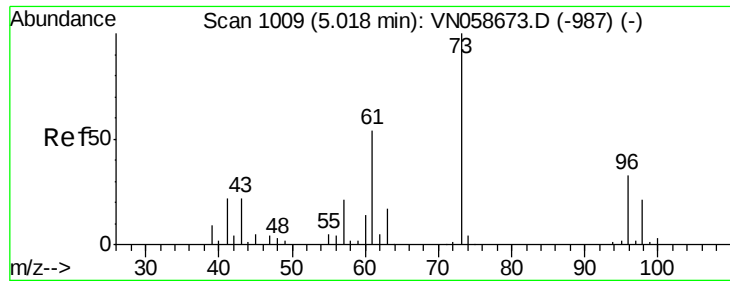
MMDadoda
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#18
Methylene Chloride
Concen: 49.412 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	106.6	160.0
51	41.9	32.4	48.6
86	64.6	50.6	76.0





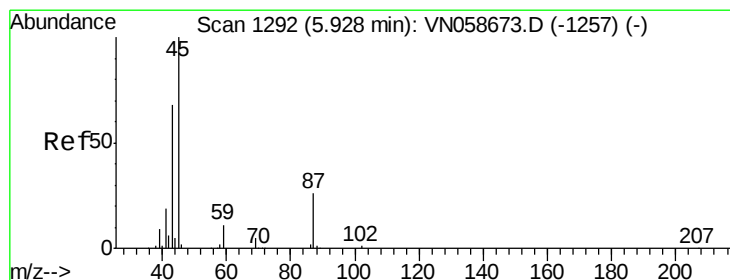
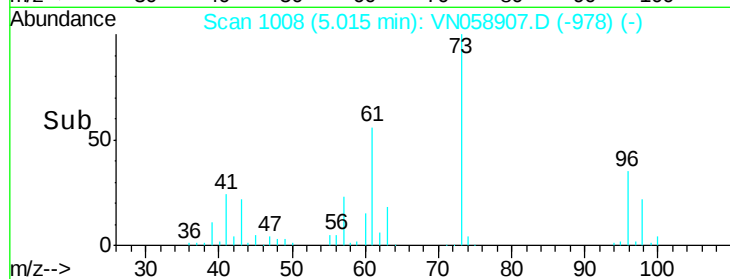
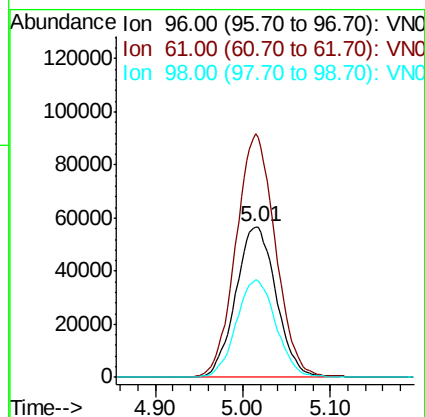
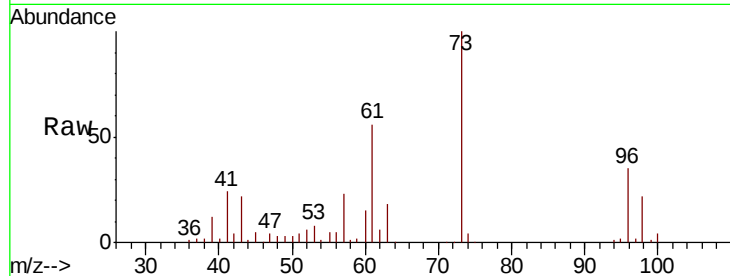
#19
trans-1,2-Dichloroethene
Concen: 50.705 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	131.8	197.6
98	64.6	52.6	79.0

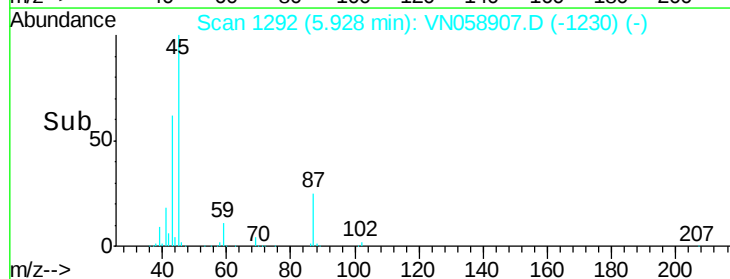
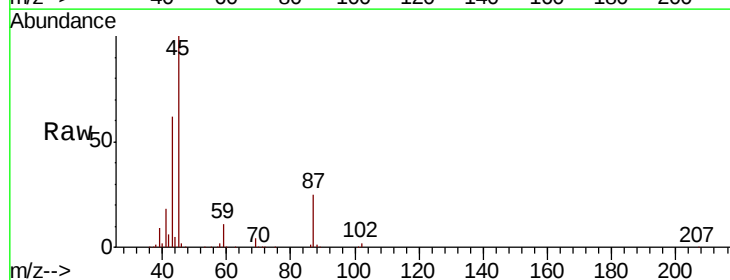
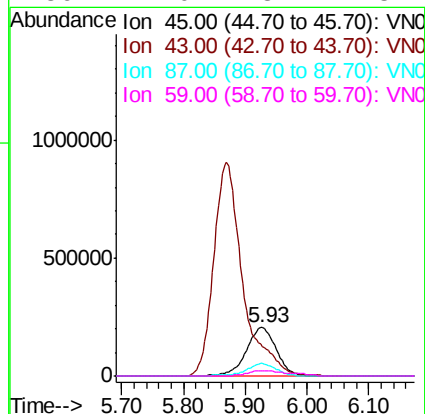
Manual Integrations
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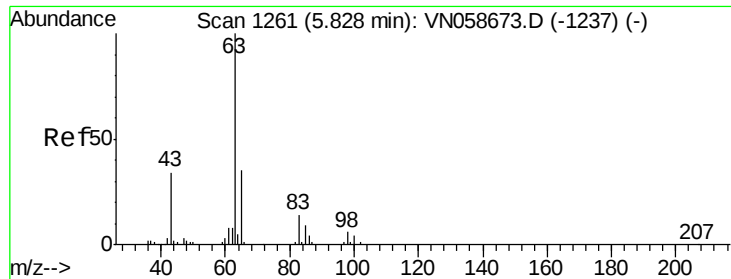
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#20
Diisopropyl ether
Concen: 51.685 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	54.7	82.1
87	25.5	21.5	32.3
59	11.0	8.7	13.1





#21

1,1-Dichloroethane

Concen: 51.494 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

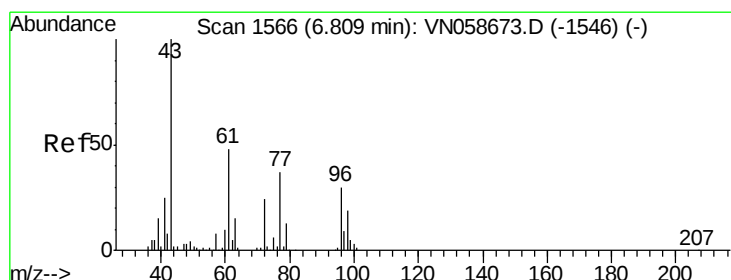
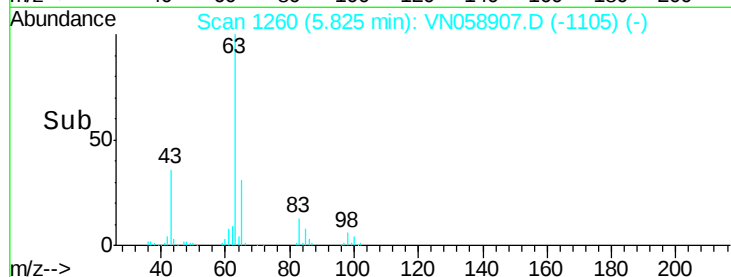
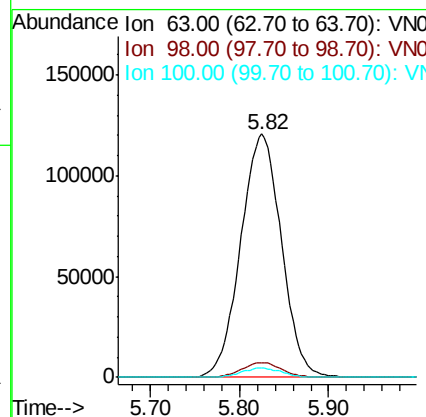
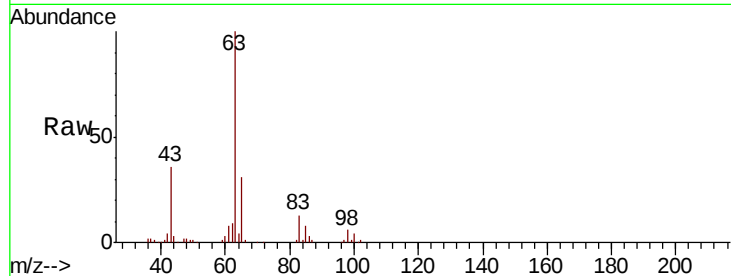
ClientSampleId :

VSTDCCC050

Tot Ion:	63	Resp:	381601
Ion Ratio		Lower	Upper
63	100		
98	6.1	2.9	8.6
100	3.9	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 49.111 ug/l

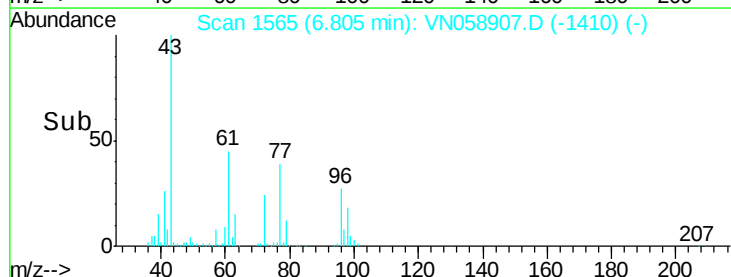
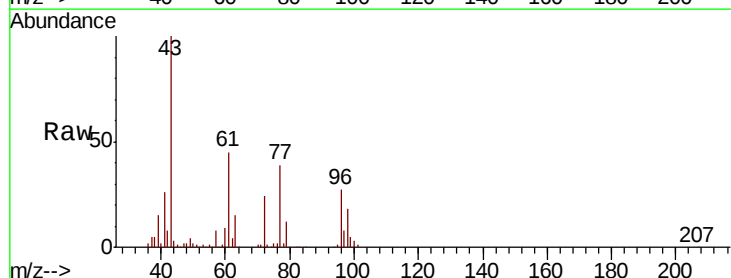
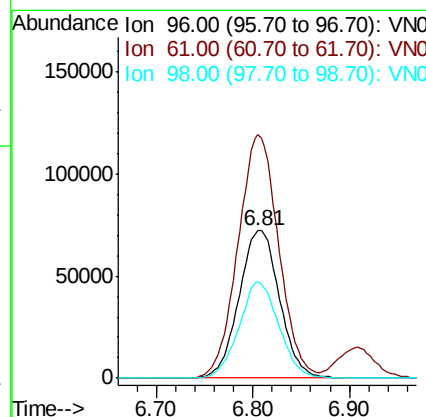
RT: 6.81 min Scan# 1565

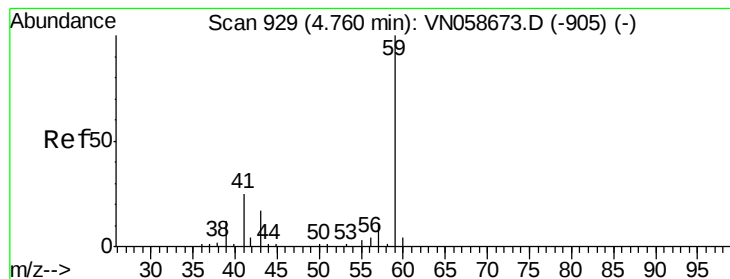
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	96	Resp:	210369
Ion Ratio		Lower	Upper
96	100		
61	165.3	127.2	190.8
98	64.3	50.5	75.7





#23

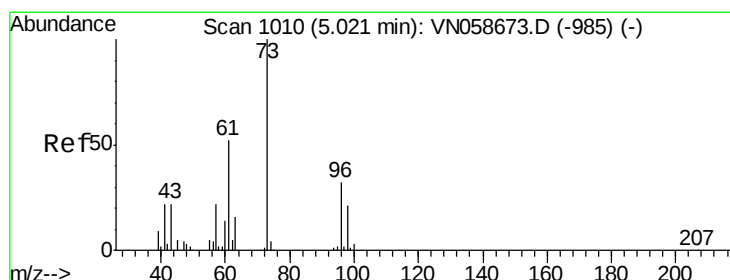
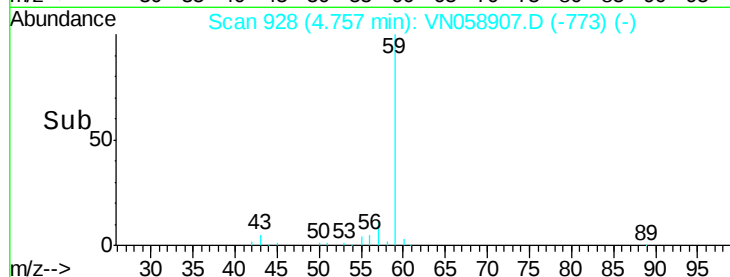
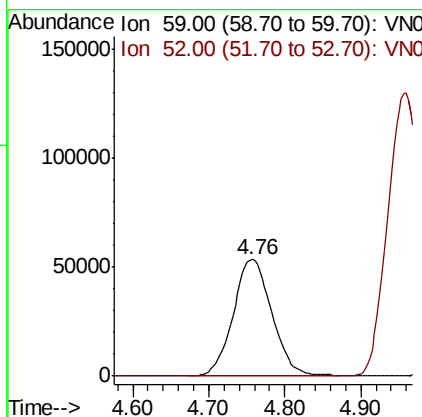
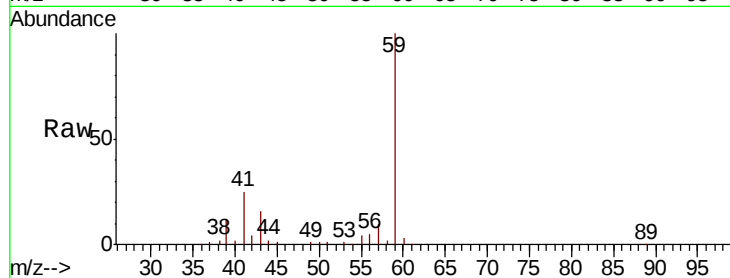
tert-Butyl Alcohol
 Concen: 223.781 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
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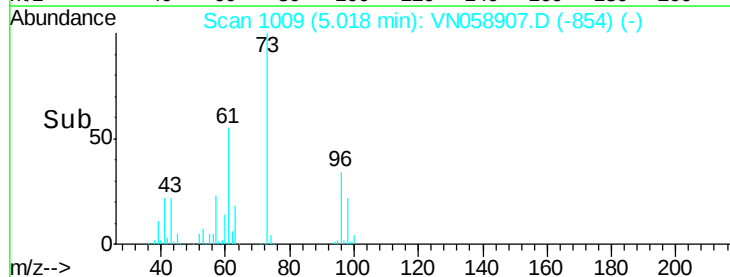
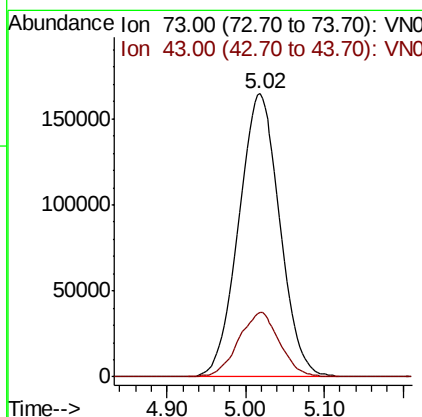
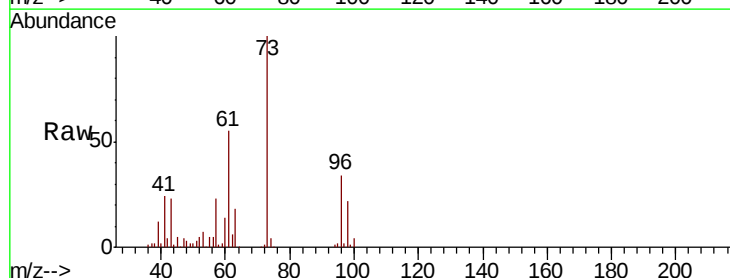
MMDadoda
 10/23/2019 3:09:44 PM

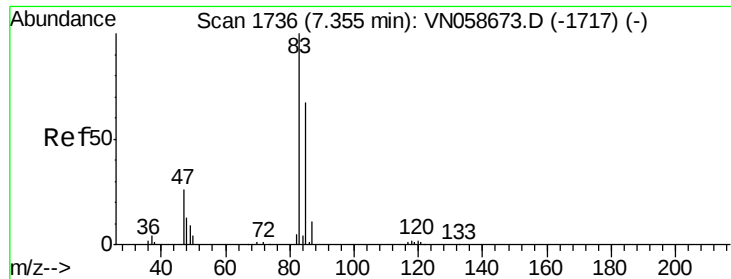


#24

Methyl tert-Butyl Ether
 Concen: 48.966 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.9	26.9





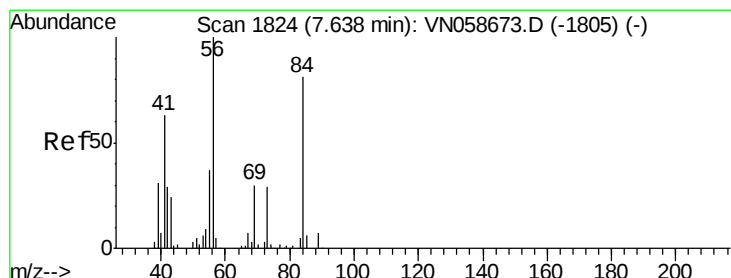
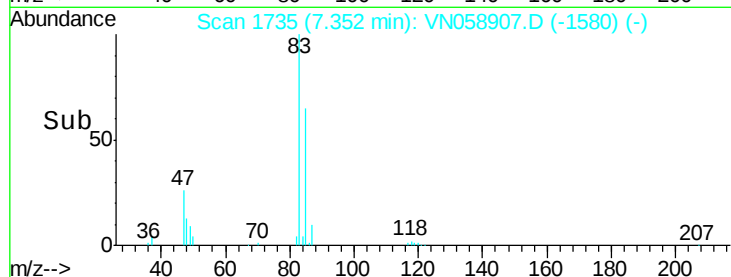
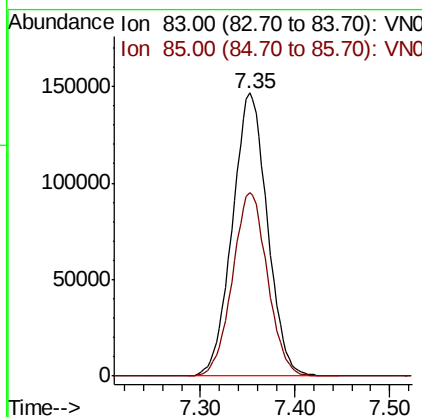
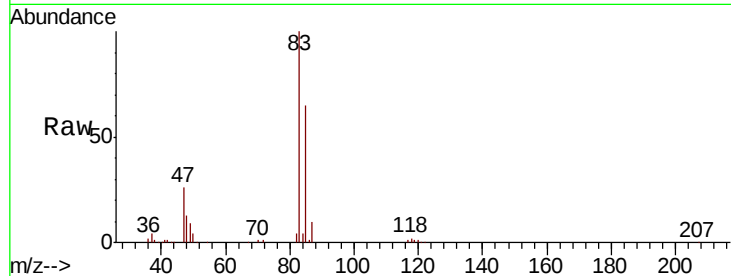
#25
Chloroform
Concen: 50.958 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	376628
Ion Ratio	100	Lower	Upper
85	64.9	53.8	80.8

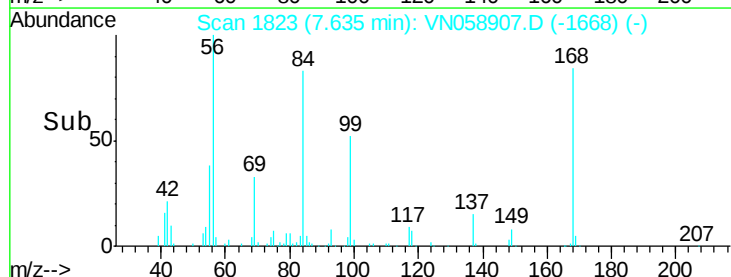
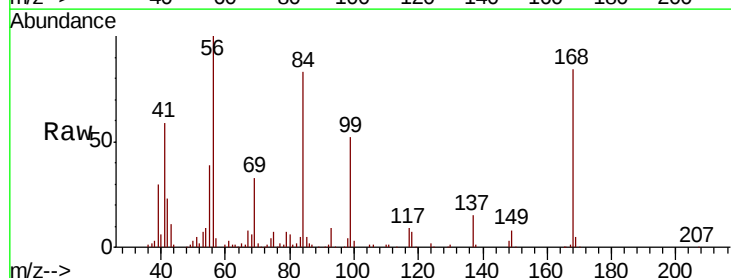
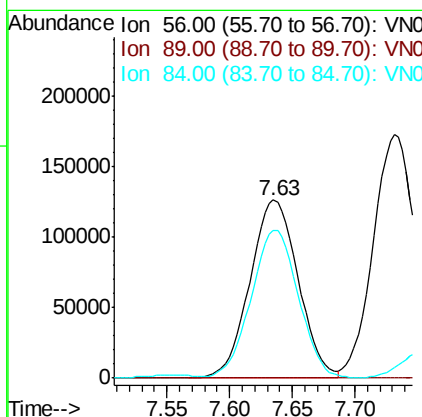
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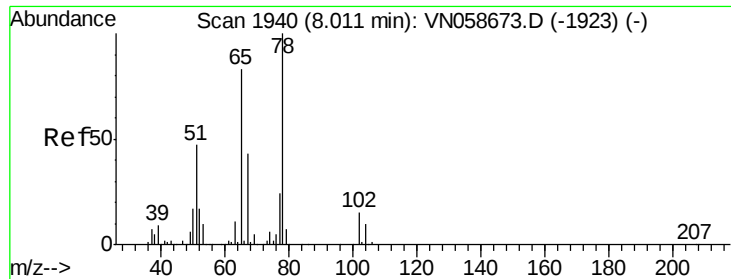
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#26
Cyclohexane
Concen: 52.019 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	56	Resp	338354
Ion Ratio	100	Lower	Upper
89	0.1	6.2	9.2#
84	81.7	65.6	98.4





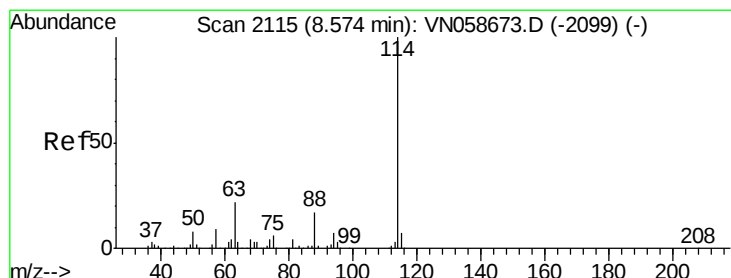
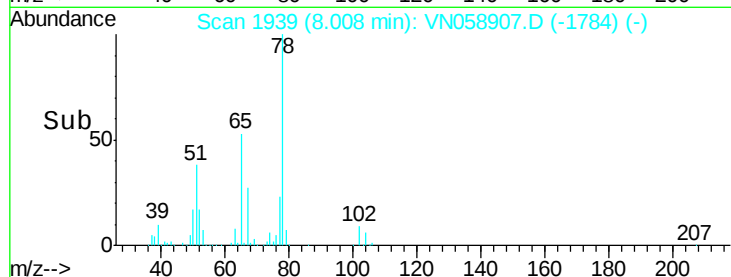
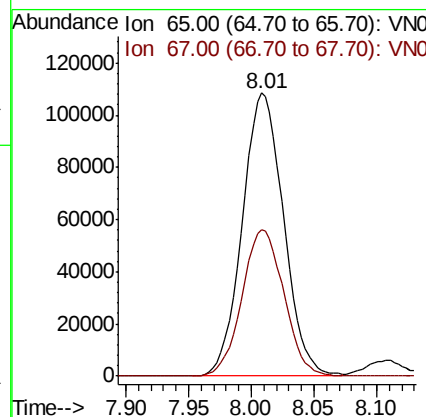
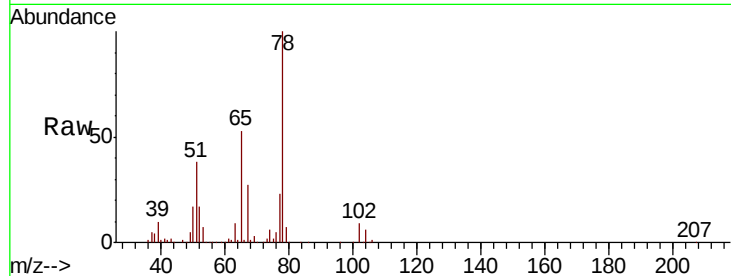
#27
 1,2-Dichloroethane-d4
 Concen: 46.435 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	41.5	62.3

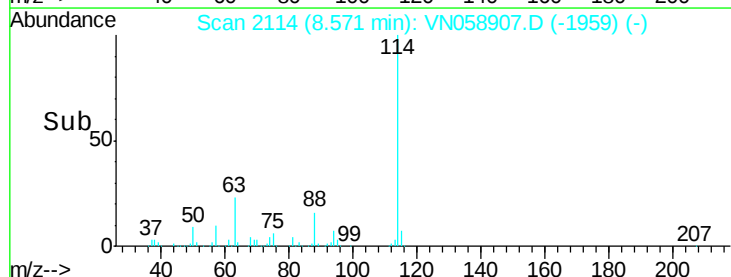
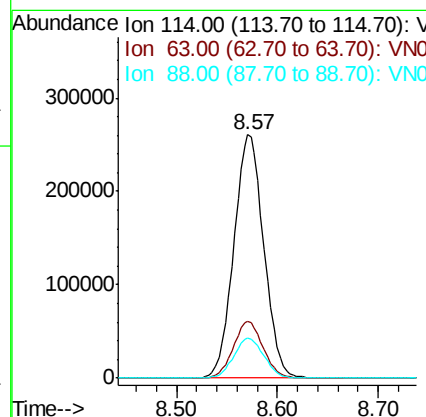
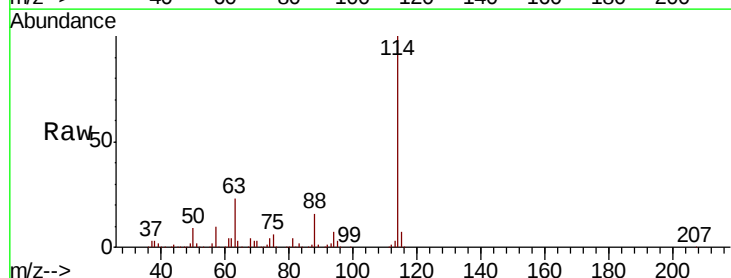
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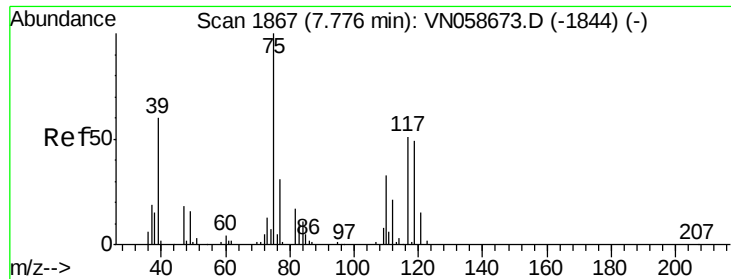
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.1	27.1
88	16.6	13.0	19.4





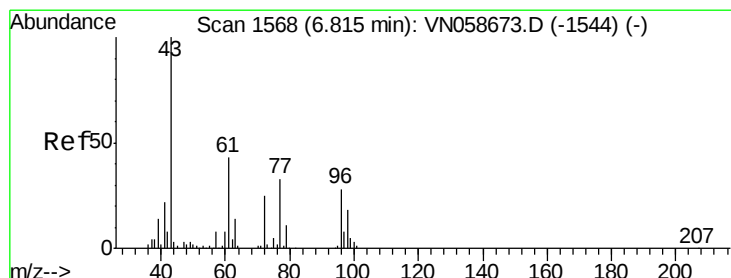
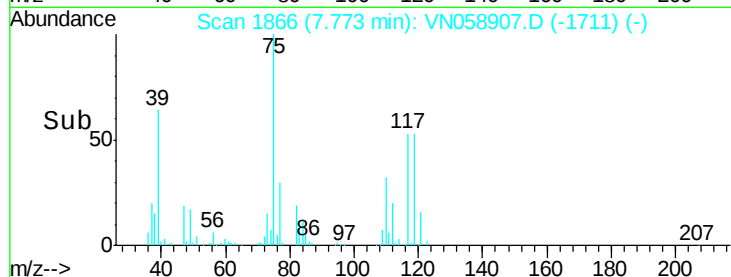
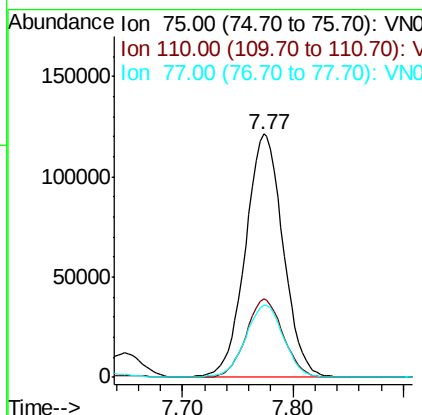
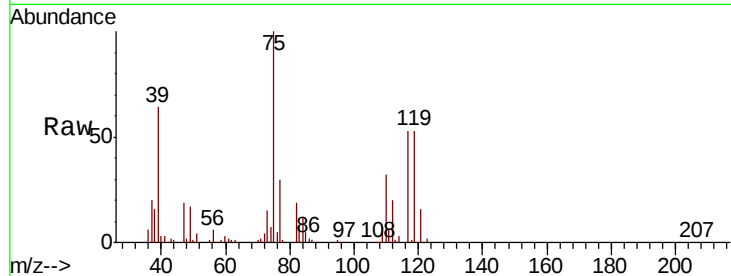
#29
 1,1-Dichloropropene
 Concen: 33.727 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.1	0.0	64.6
77	30.5	0.0	60.8

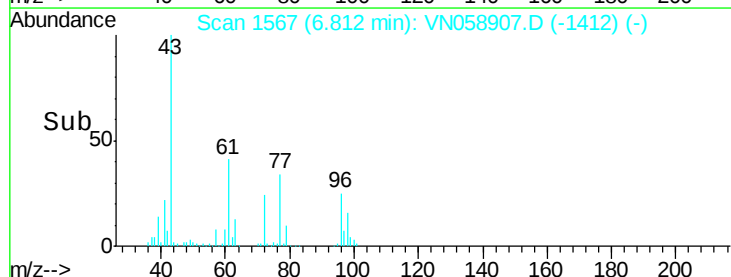
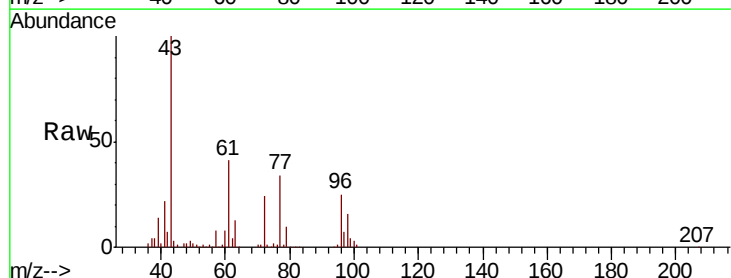
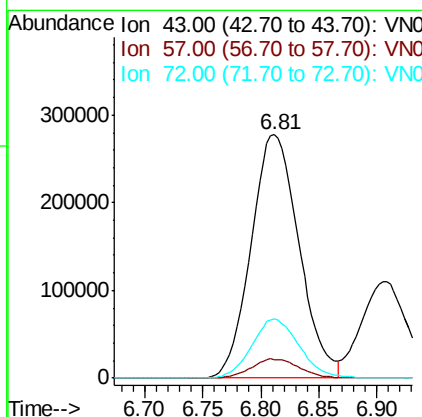
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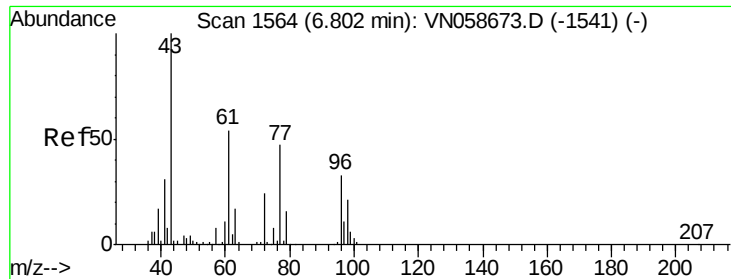
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#30
 2-Butanone
 Concen: 166.663 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.5	9.7
72	24.2	20.1	30.1





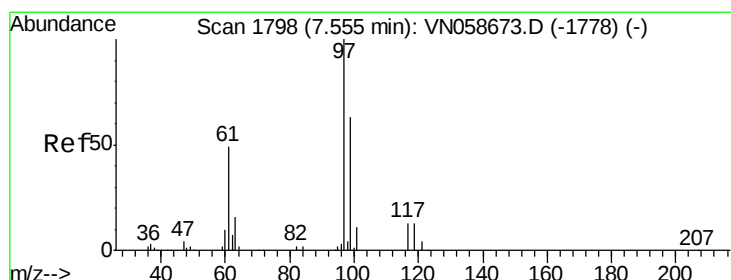
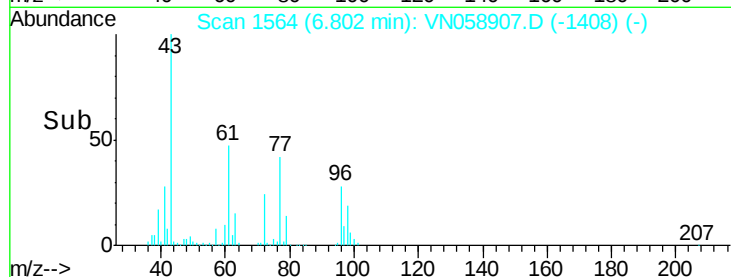
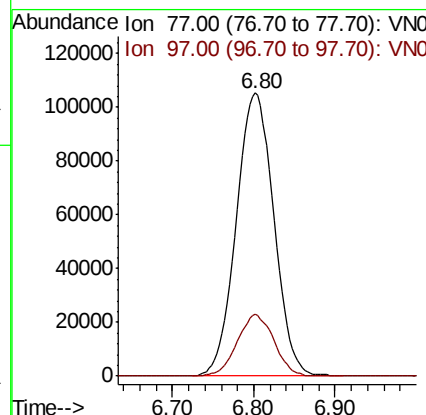
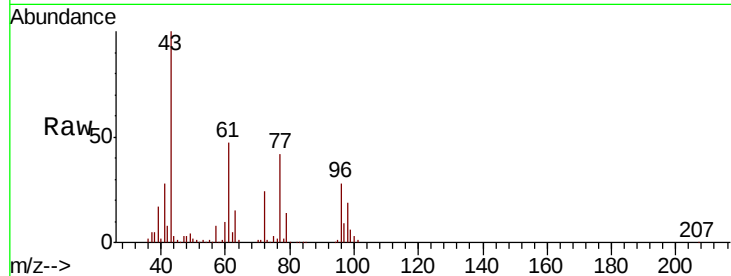
#31
 2,2-Dichloropropane
 Concen: 33.788 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.2	17.9	26.9

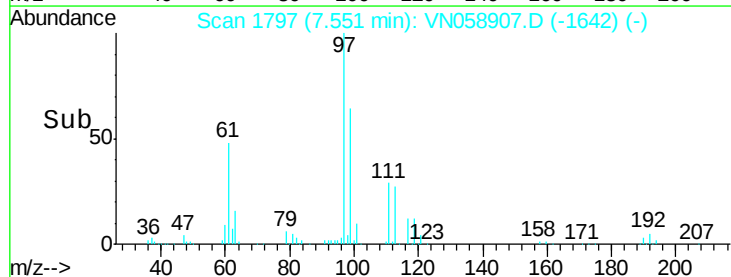
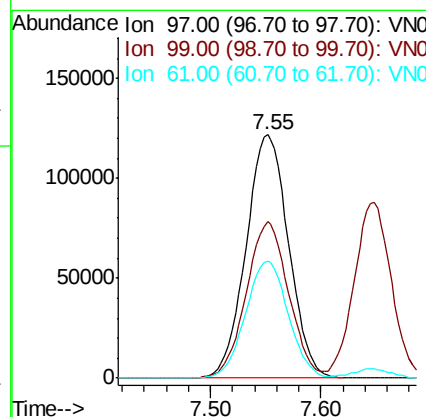
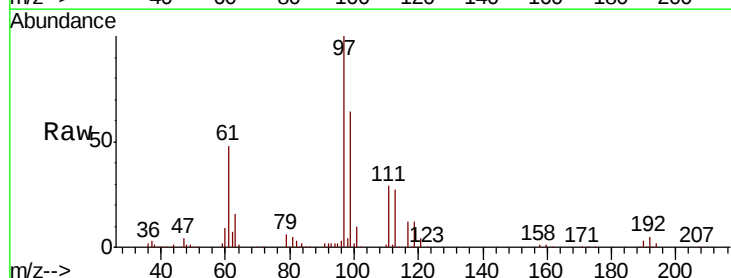
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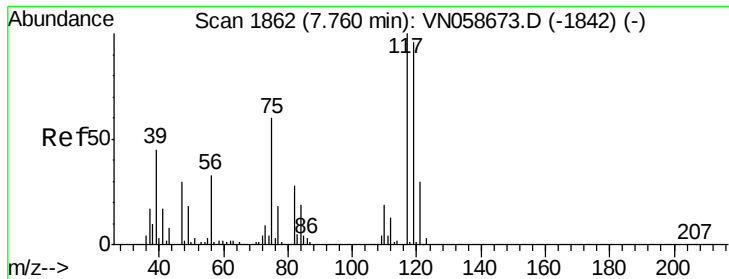
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#32
 1,1,1-Trichloroethane
 Concen: 33.313 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	48.0	38.4	57.6





#33

Carbon Tetrachloride

Concen: 33.355 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

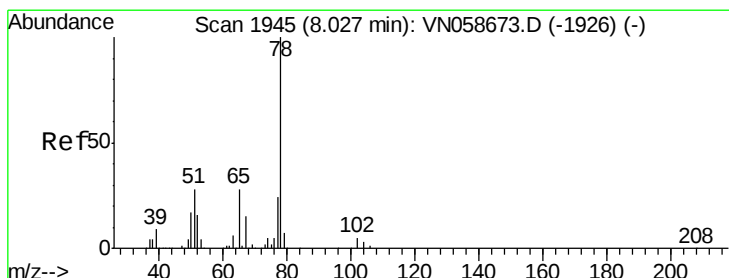
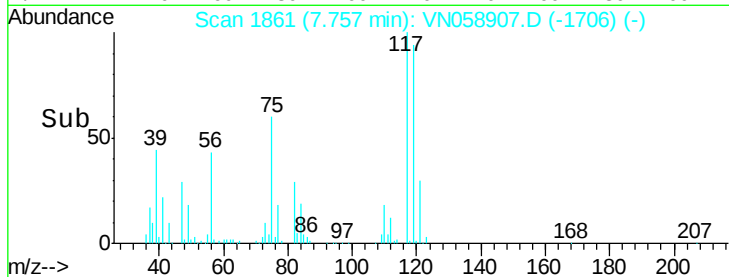
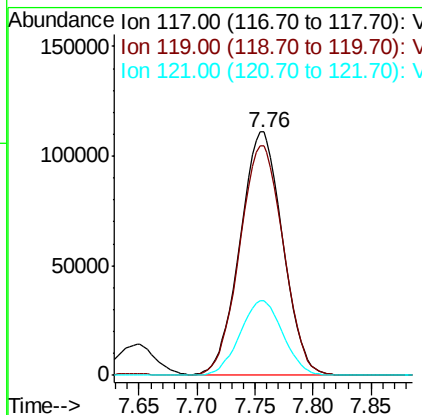
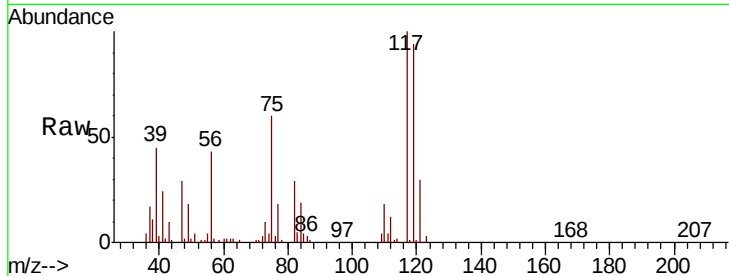
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	282417
Ion Ratio	Lower	Upper	
117	100		
119	94.7	76.9	115.3
121	30.6	23.8	35.8

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#34

Benzene

Concen: 33.531 ug/l

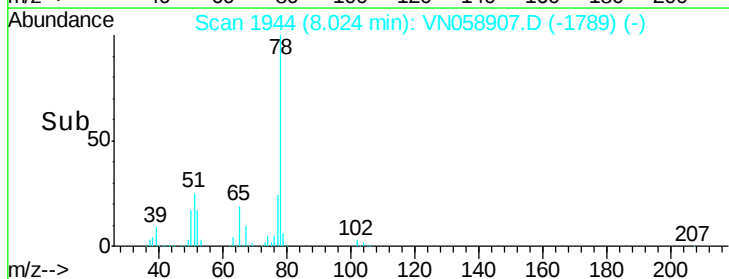
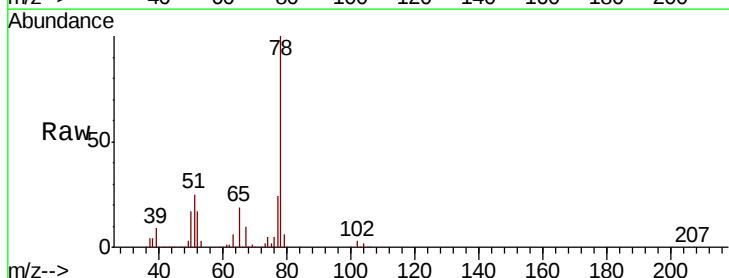
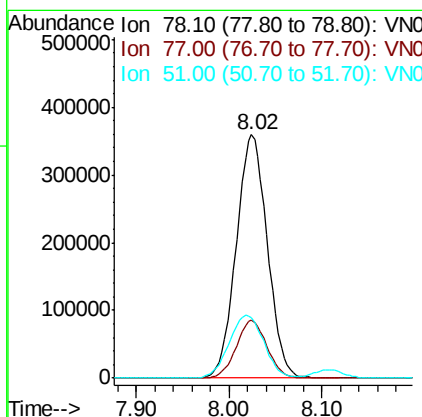
RT: 8.02 min Scan# 1944

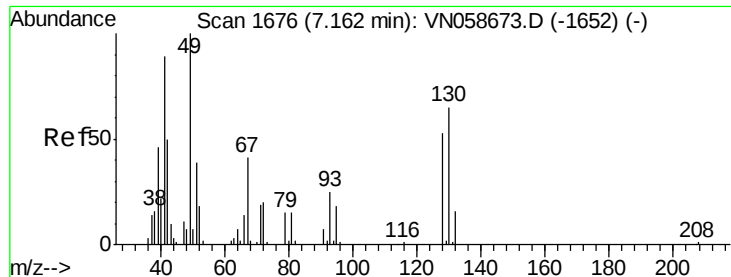
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	78	Resp:	834904
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.2	28.8
51	24.7	22.1	33.1





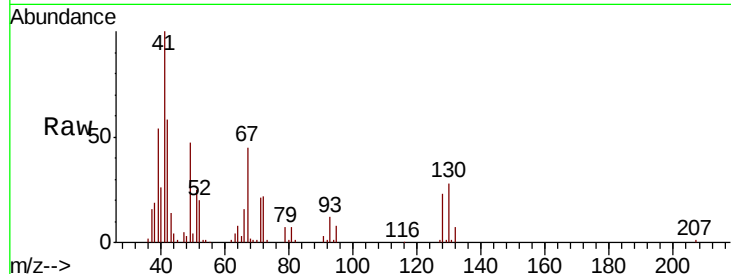
#35
Methacrylonitrile
Concen: 33.664 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	25.8	77.4
67	45.0	23.0	69.0
52	19.9	10.1	30.1

Manual Integrations
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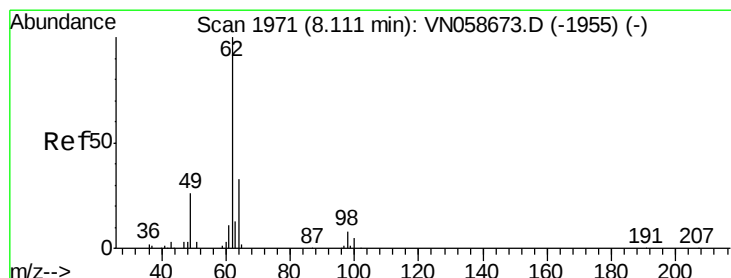
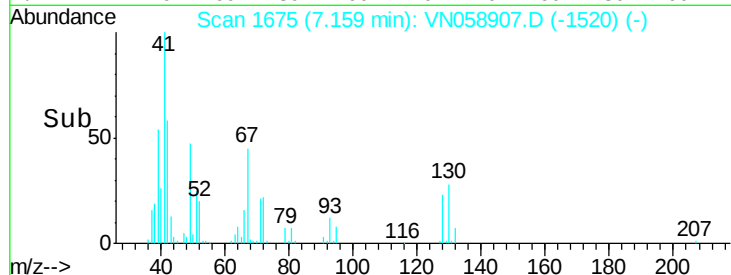
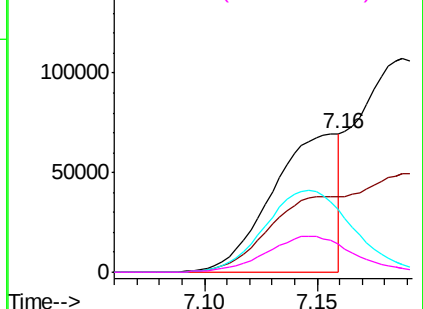
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

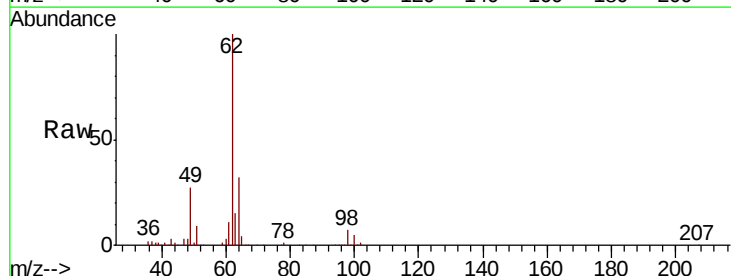
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 33.592 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

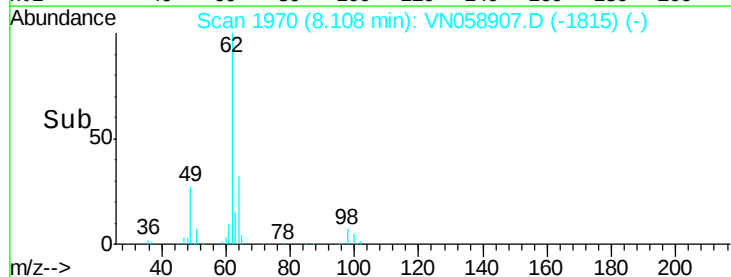
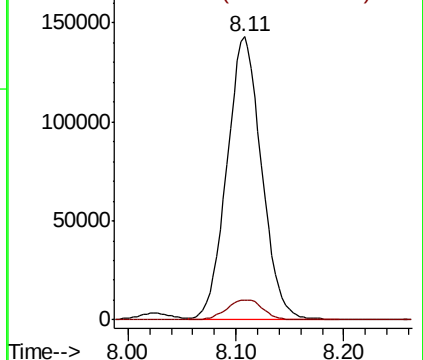
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.4	9.6

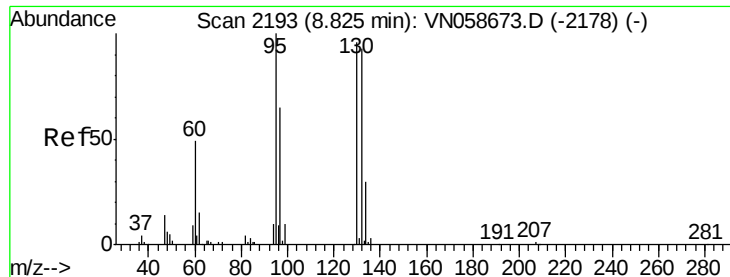


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





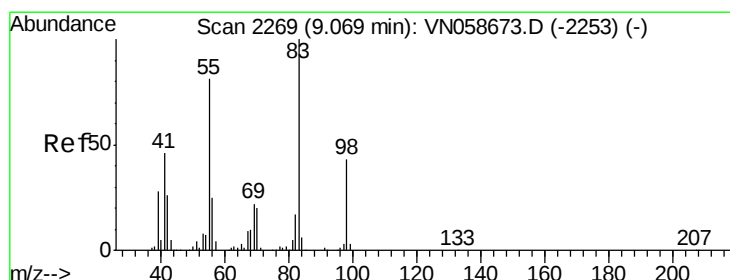
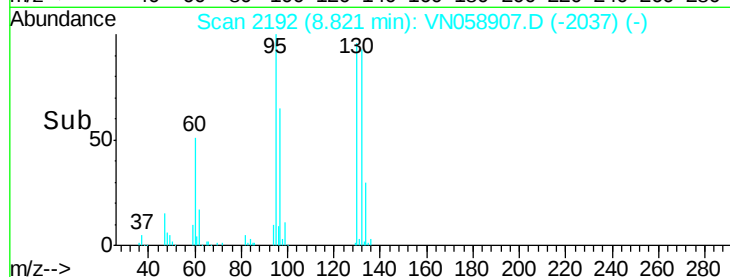
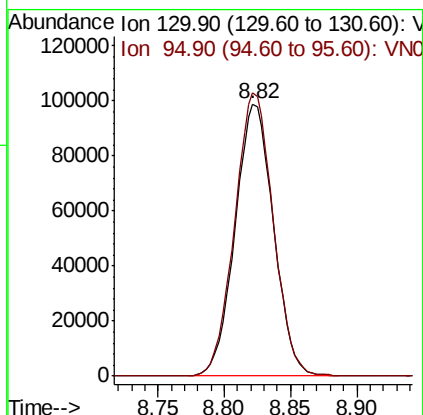
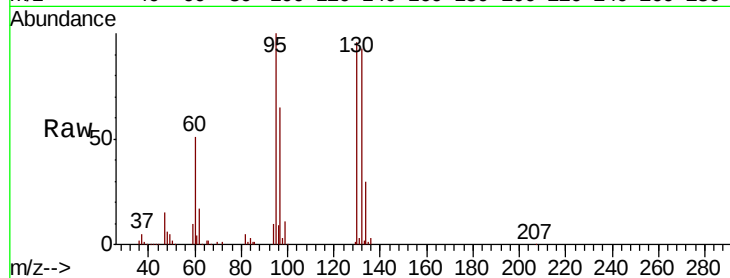
#37
 Trichloroethene
 Concen: 32.589 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
130	100		
95	103.8	83.2	124.8

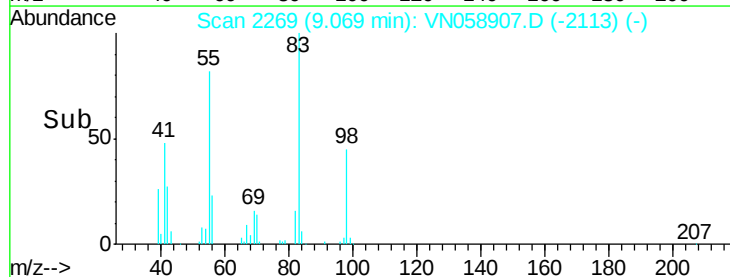
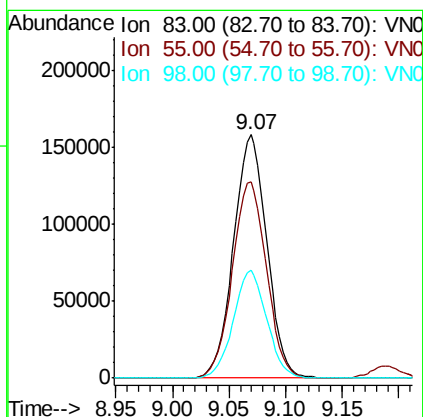
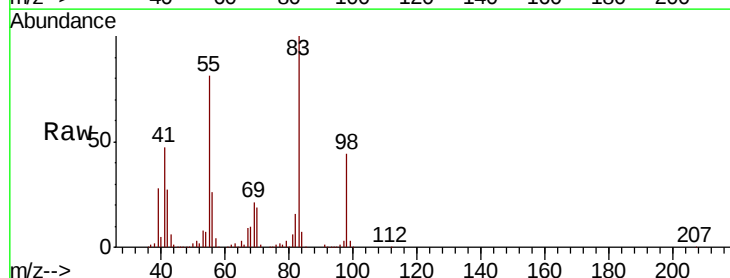
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#38
 Methylcyclohexane
 Concen: 33.041 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.5	40.4	121.1
98	44.2	21.6	65.0





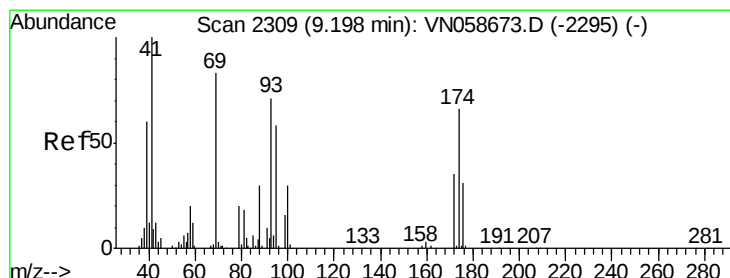
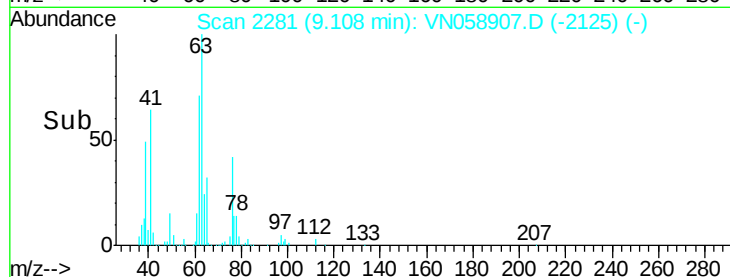
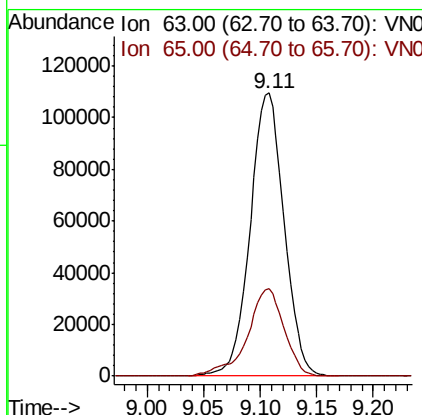
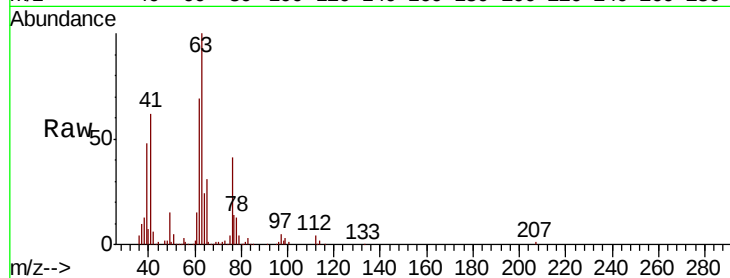
#39
 1,2-Dichloropropane
 Concen: 33.573 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	228452
Ion Ratio	Lower	Upper	
63	100		
65	30.8	23.8	35.6

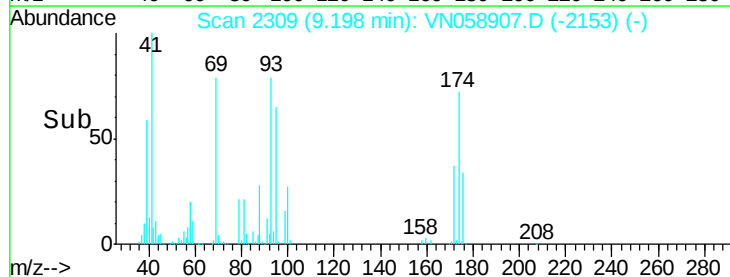
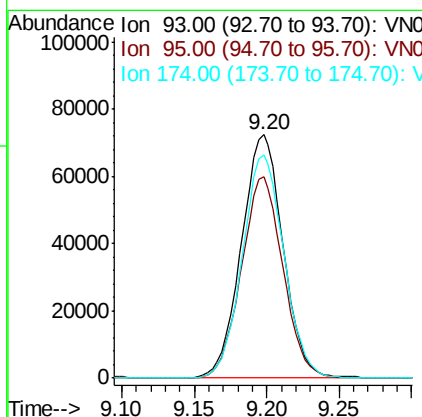
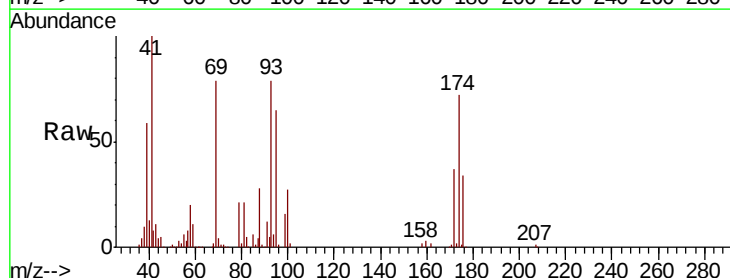
Manual Integrations
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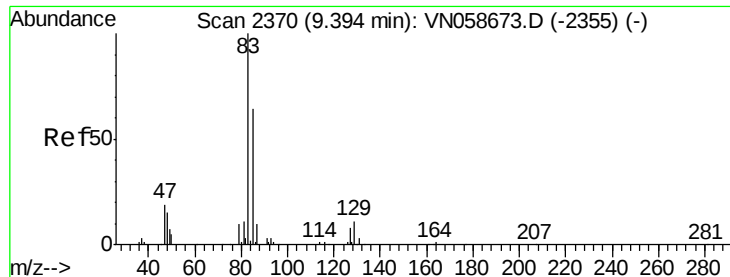
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#40
 Dibromomethane
 Concen: 33.670 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	93	Resp	144632
Ion Ratio	Lower	Upper	
93	100		
95	82.7	0.0	167.6
174	91.6	0.0	187.2





#41

Bromodichloromethane

Concen: 34.252 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

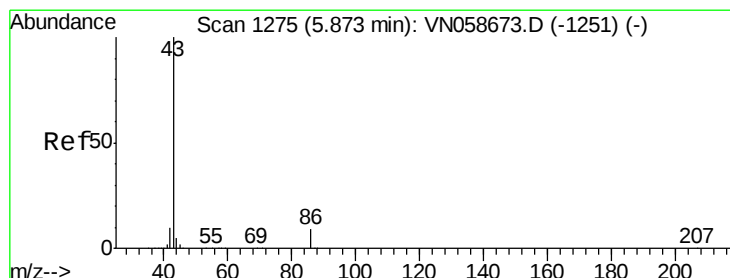
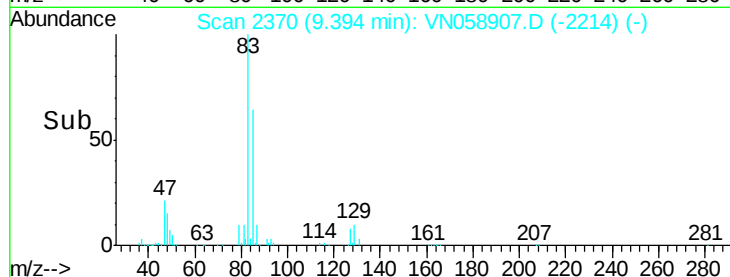
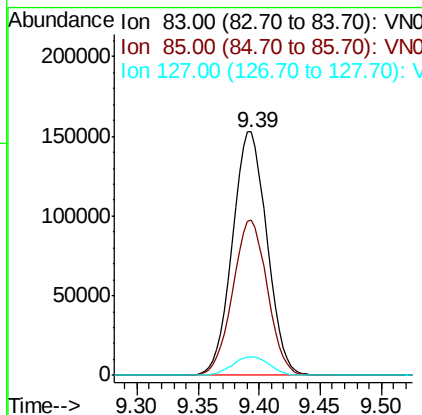
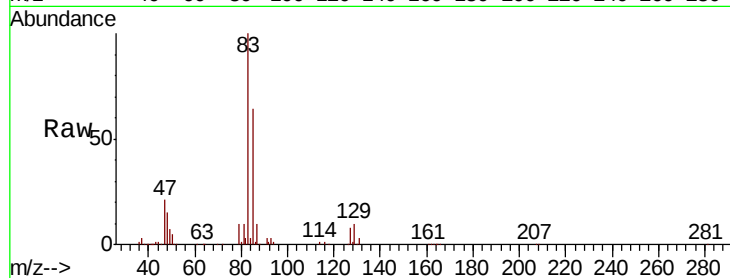
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	300587
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.0	76.4
127	7.8	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 176.276 ug/l

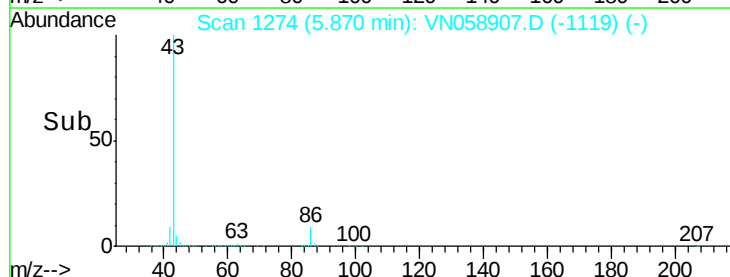
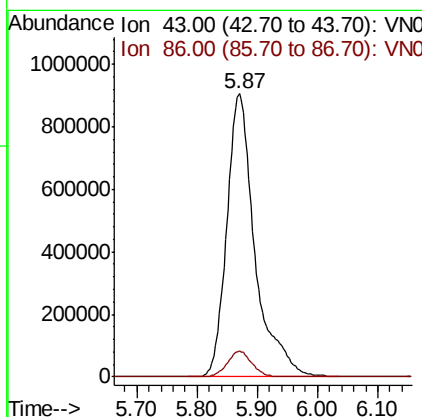
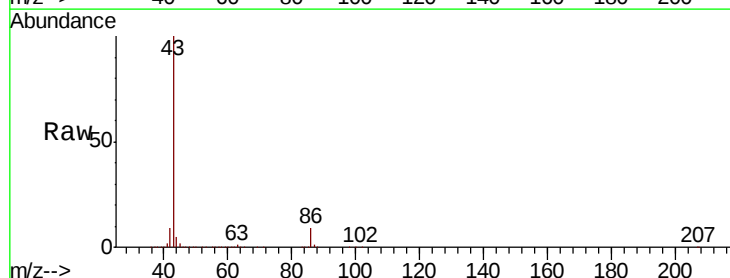
RT: 5.87 min Scan# 1274

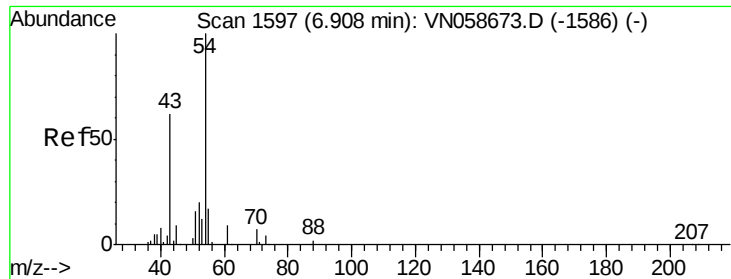
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	43	Resp:	2950603
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.5	9.7





#43

Ethyl Acetate

Concen: 32.588 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 305700

Ion Ratio Lower Upper

43 100

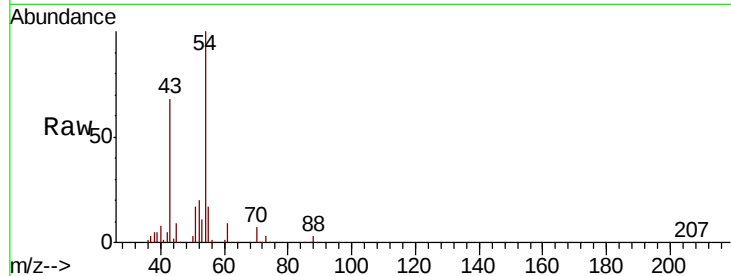
45 14.2 9.7 14.5

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

300000

250000

200000

150000

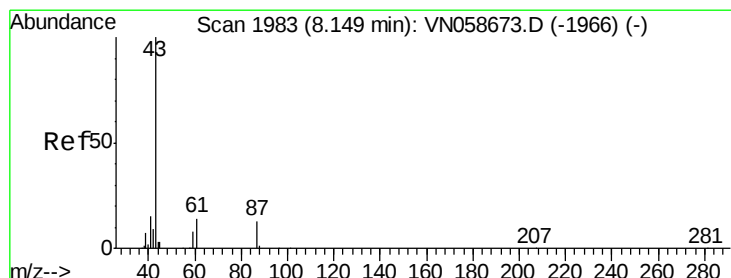
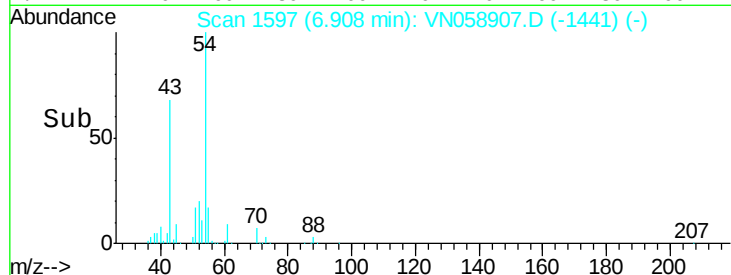
100000

50000

0

6.85 6.90 6.95 7.00

Time-->



#44

Isopropyl Acetate

Concen: 32.797 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058907.D

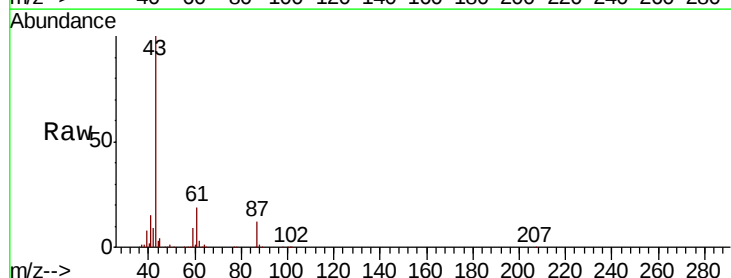
Acq: 22 Oct 2019 14:33

Tgt Ion: 43 Resp: 498349

Ion Ratio Lower Upper

43 100

61 25.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

250000

200000

150000

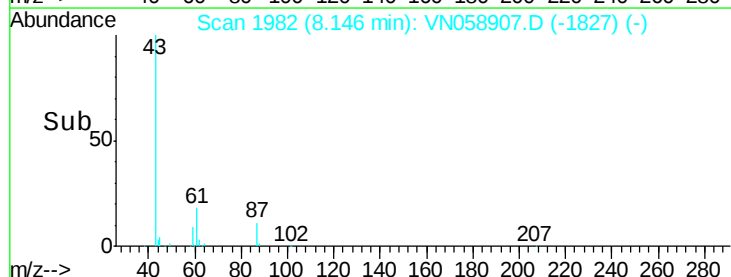
100000

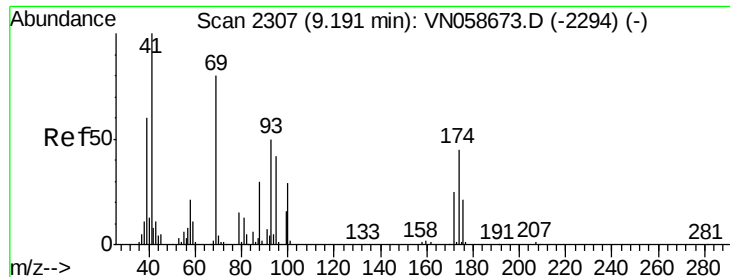
50000

0

8.10 8.20

Time-->





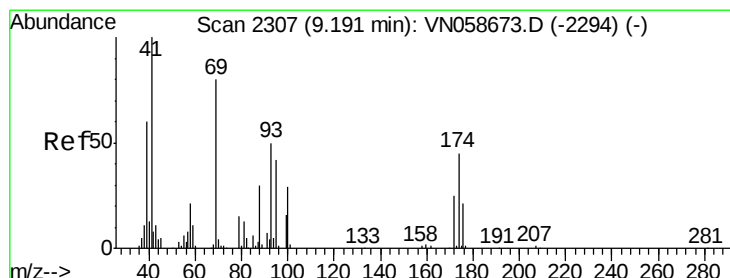
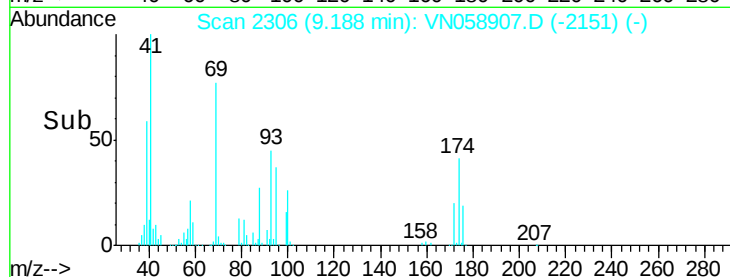
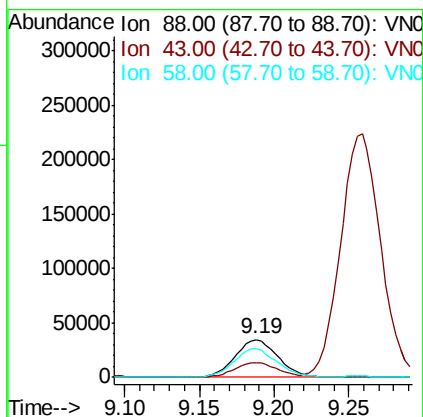
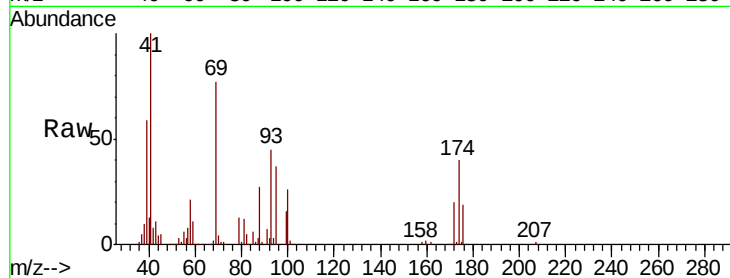
#45
1,4-Dioxane
Concen: 595.905 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	29.8	44.8
58	76.8	58.2	87.4

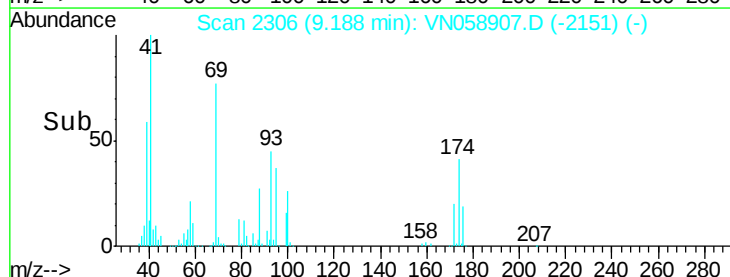
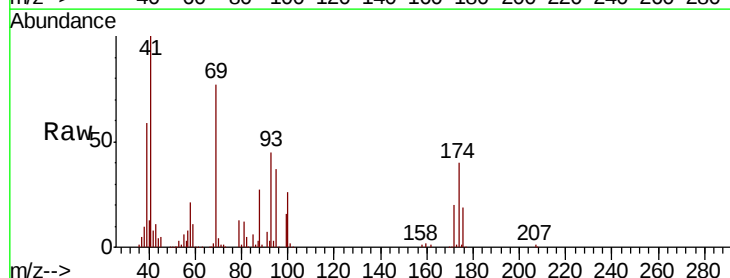
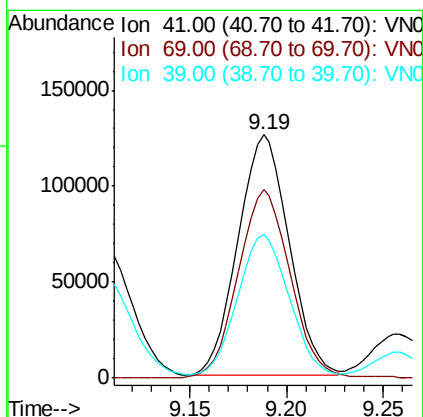
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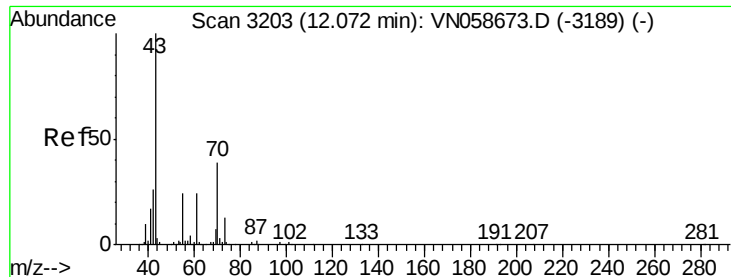
MMDadoda
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#46
Methyl methacrylate
Concen: 33.115 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.7	40.2	120.5
39	58.5	29.9	89.8





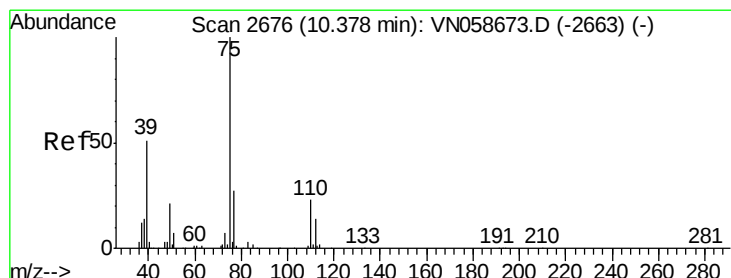
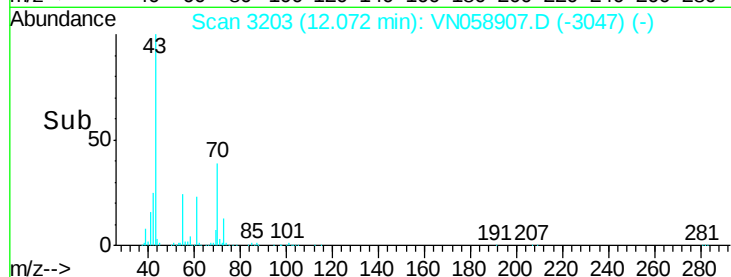
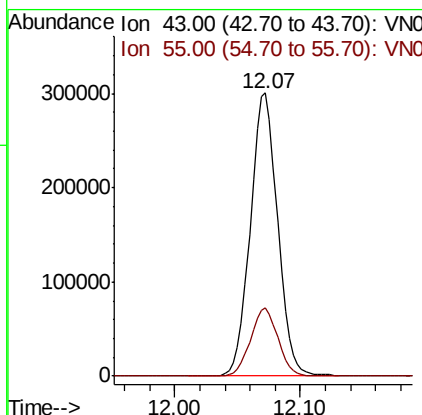
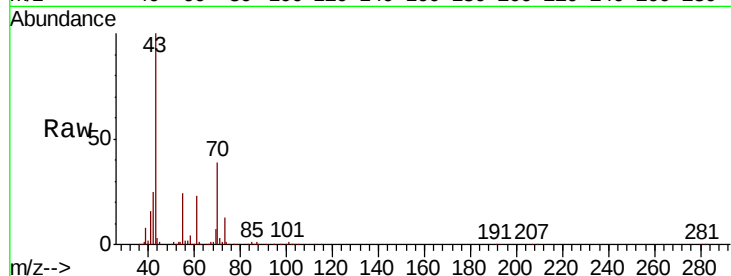
#47
n-amvl Acetate
Concen: 33.765 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	454819
Ion Ratio	100	Lower	Upper
55	24.3	19.6	29.4

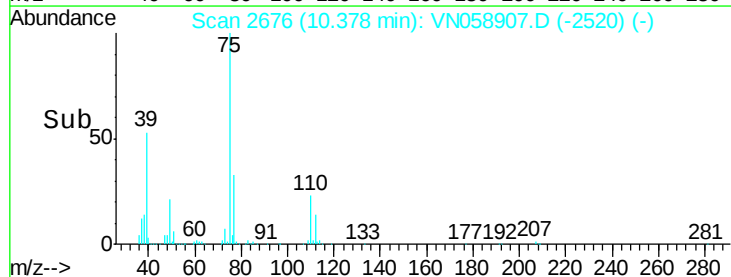
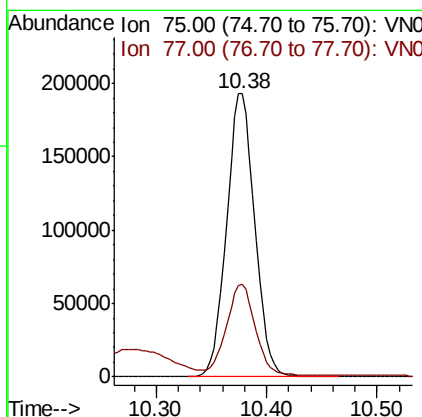
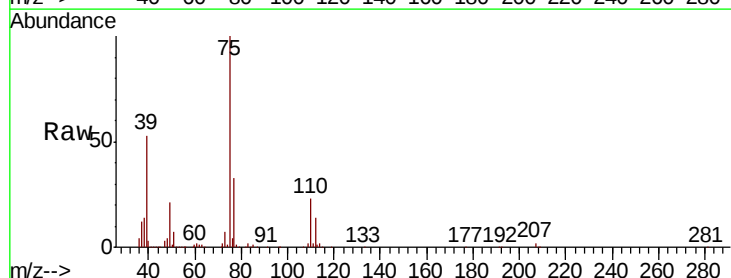
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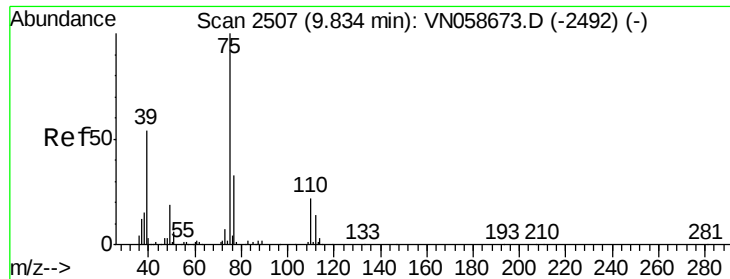
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#48
t-1,3-Dichloropropene
Concen: 33.392 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	75	Resp	339856
Ion Ratio	100	Lower	Upper
77	32.3	27.0	40.4





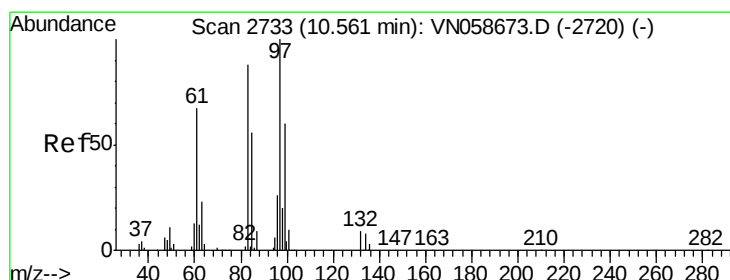
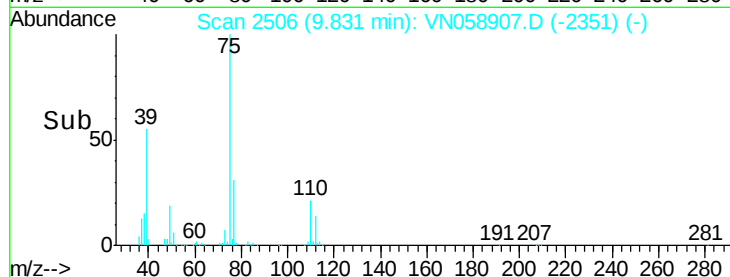
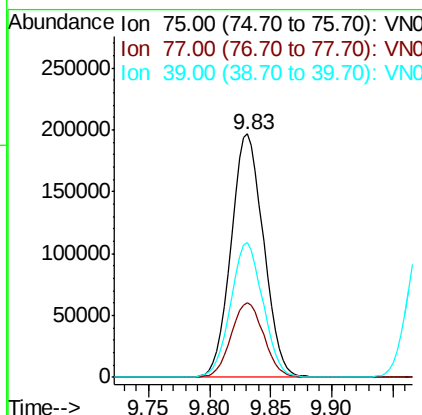
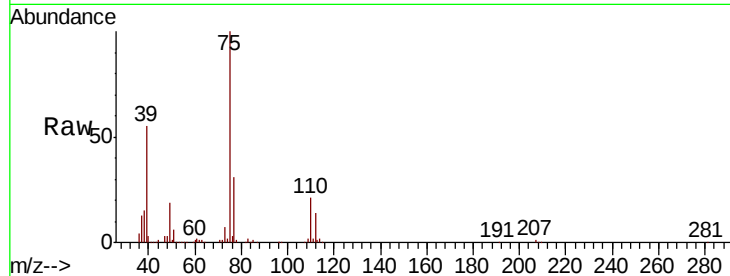
#49
 cis-1,3-Dichloropropene
 Concen: 34.102 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.1	39.1
39	55.1	43.1	64.7

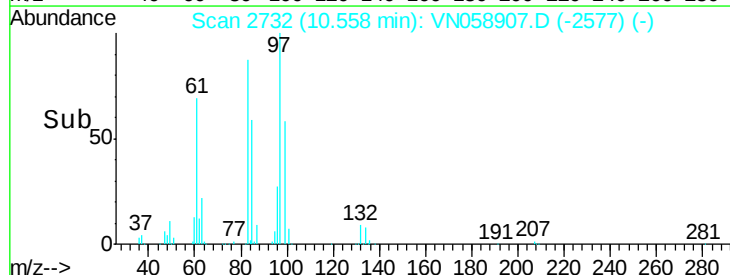
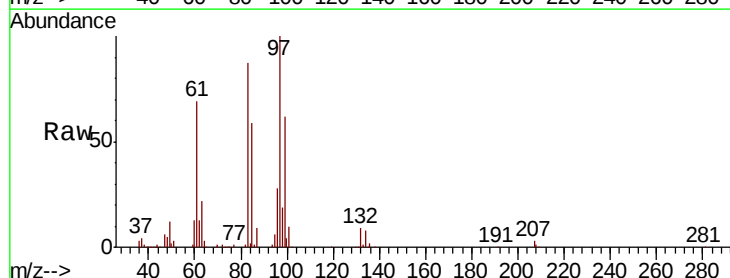
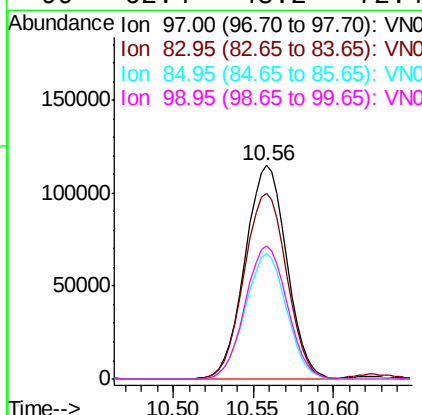
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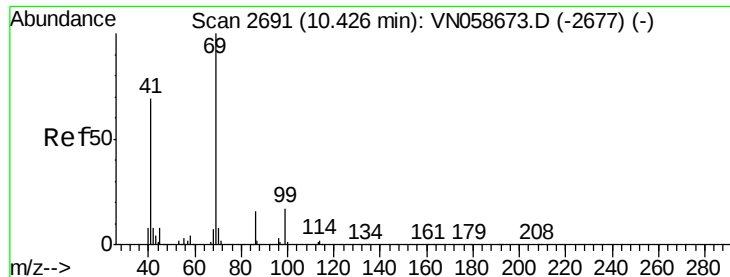
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 33.452 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.7	106.1
85	58.9	45.1	67.7
99	62.4	48.2	72.4





#51

Ethyl methacrylate

Concen: 32.910 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 69 Resp: 322707
Ion Ratio Lower Upper

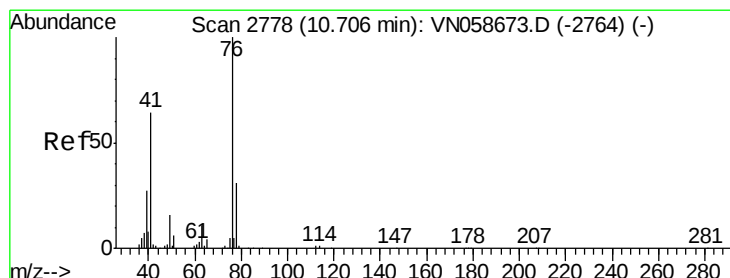
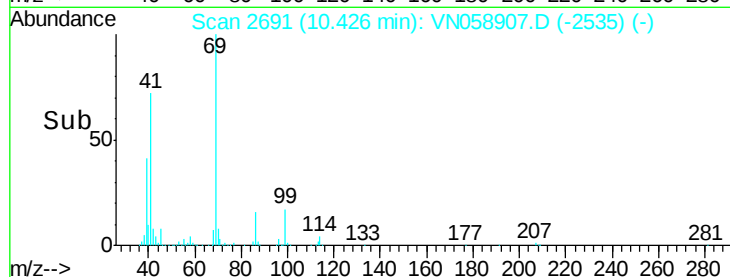
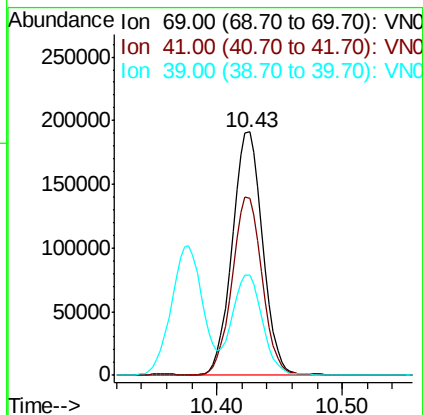
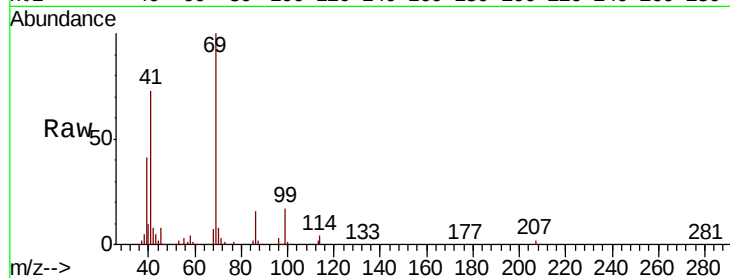
69 100

41 72.3 34.7 104.1

39 40.9 20.3 60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 32.968 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

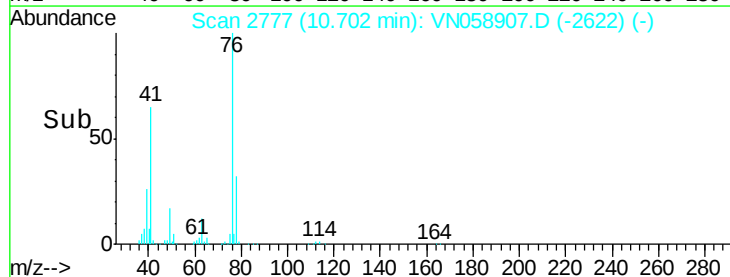
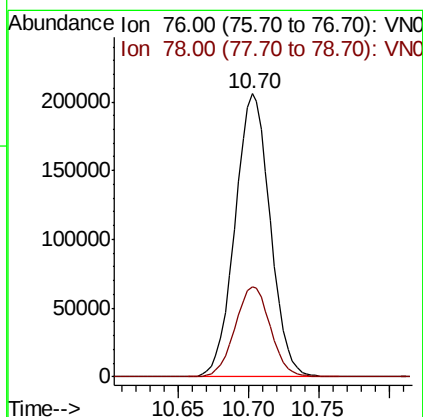
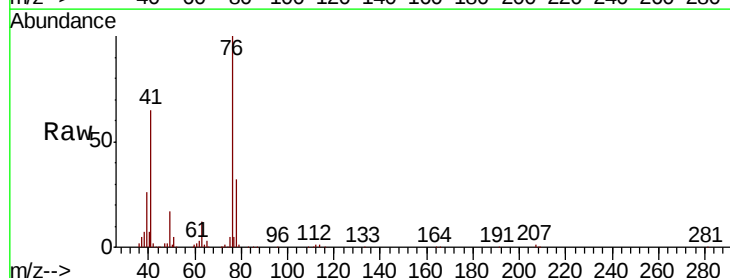
Lab File: VN058907.D

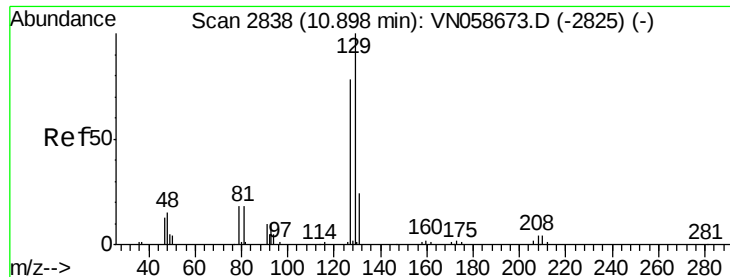
Acq: 22 Oct 2019 14:33

Tgt Ion: 76 Resp: 360043
Ion Ratio Lower Upper

76 100

78 32.3 0.0 63.2





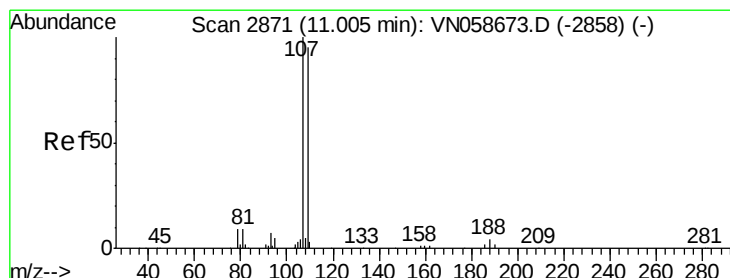
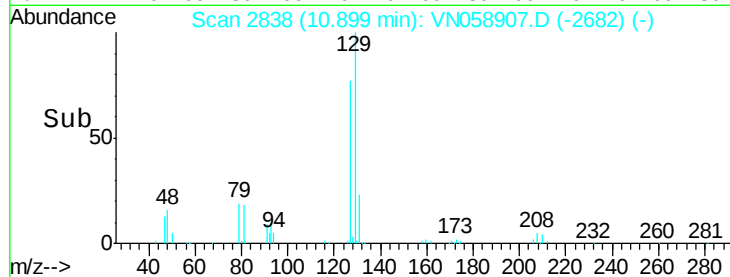
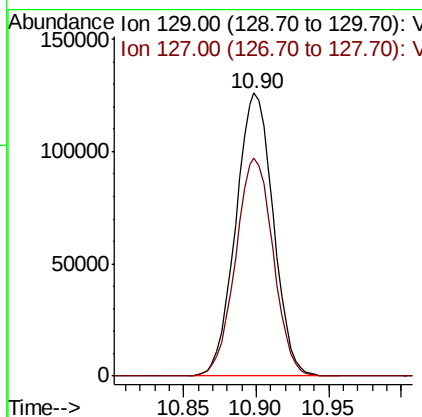
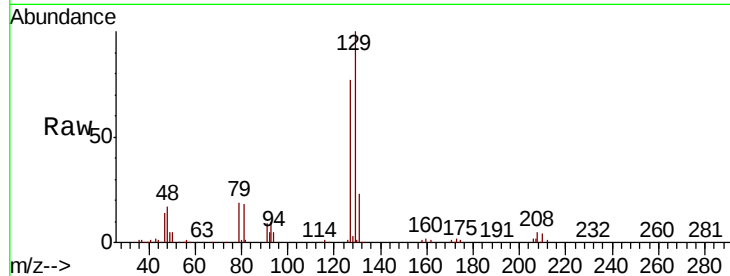
#53
 Dibromochloromethane
 Concen: 34.396 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.3	39.1	117.5	

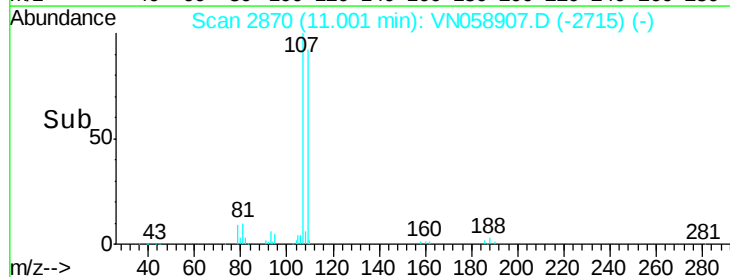
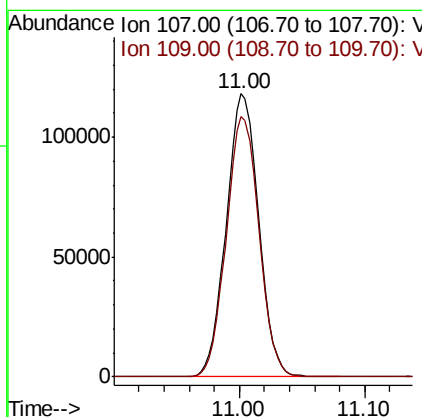
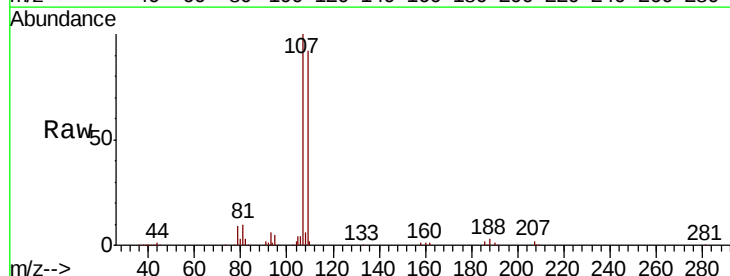
Manual Integrations
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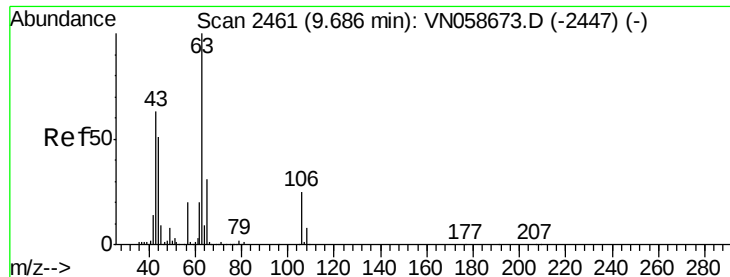
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#54
 1,2-Dibromoethane
 Concen: 33.335 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	92.8	76.2	114.4	





#55

2-Chloroethyl vinyl ether

Concen: 142.662 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

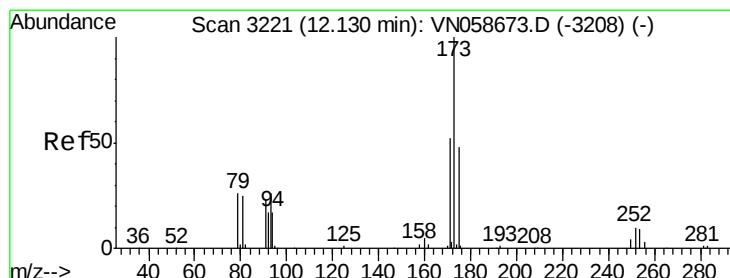
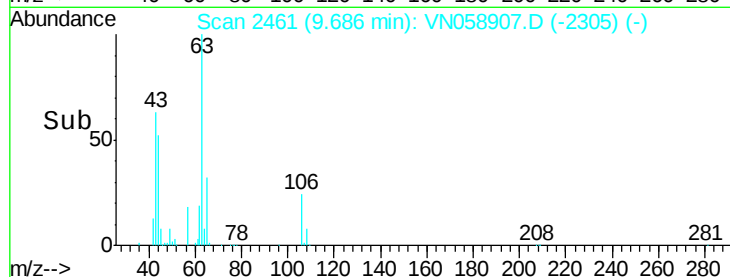
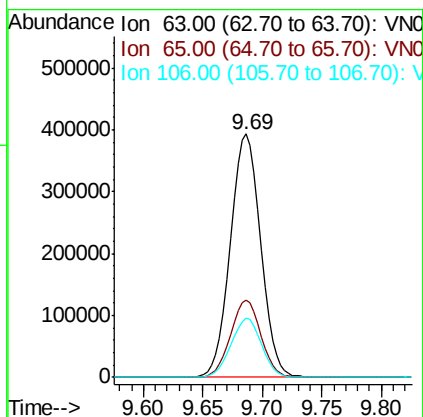
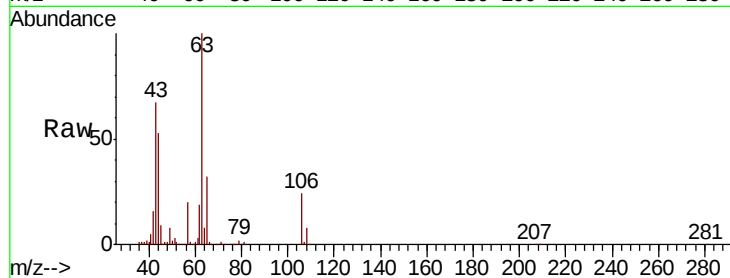
ClientSampleId :

VSTDCCC050

Tot Ion:	63	Resp:	695846
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.3	37.9
106	24.3	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 34.683 ug/l

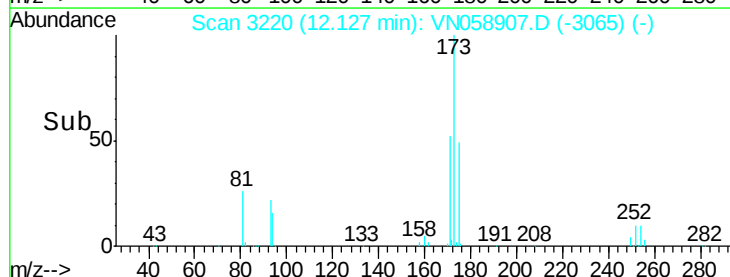
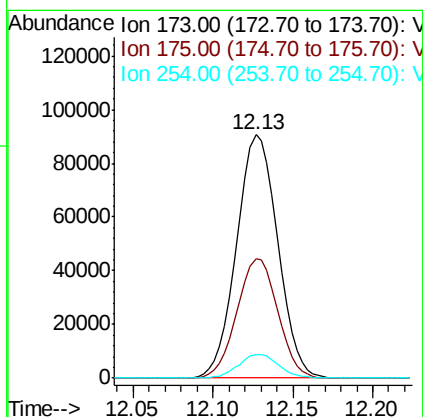
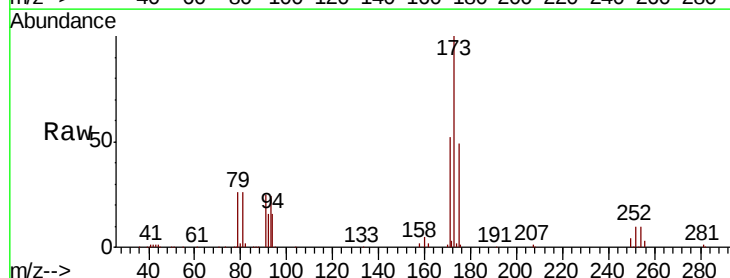
RT: 12.13 min Scan# 3220

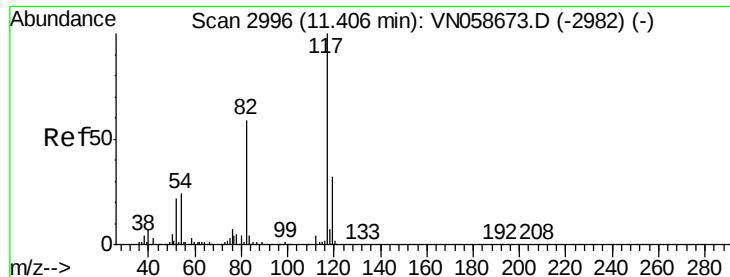
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	173	Resp:	159001
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	9.5	7.4	11.2





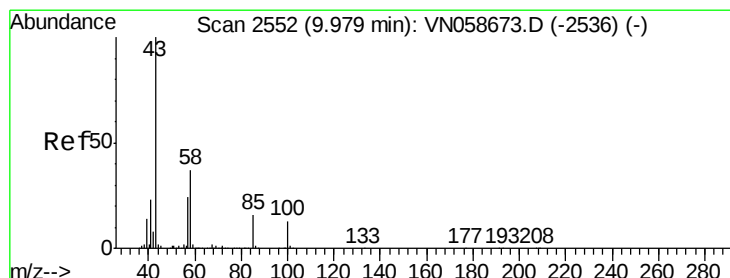
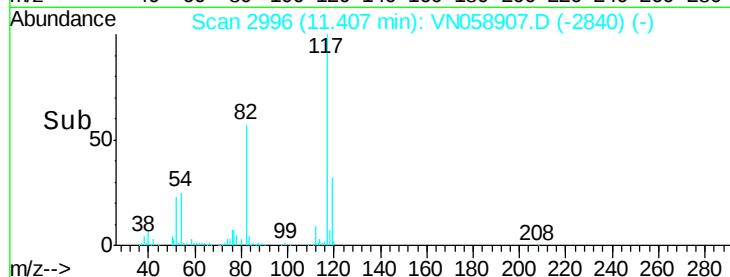
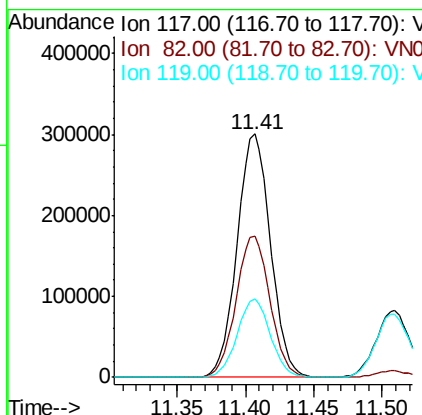
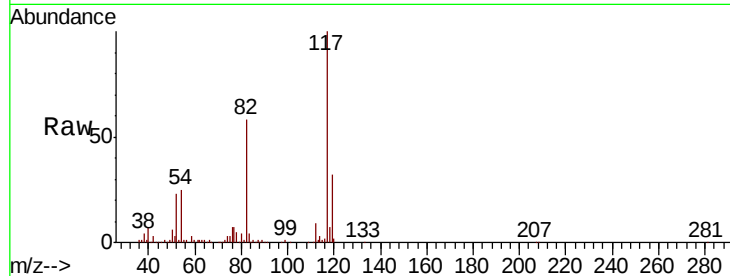
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.9	70.3
119	32.0	25.8	38.6

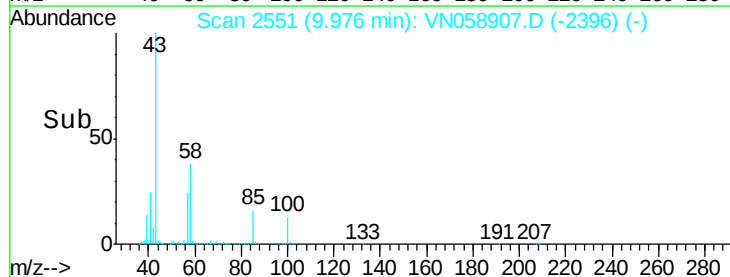
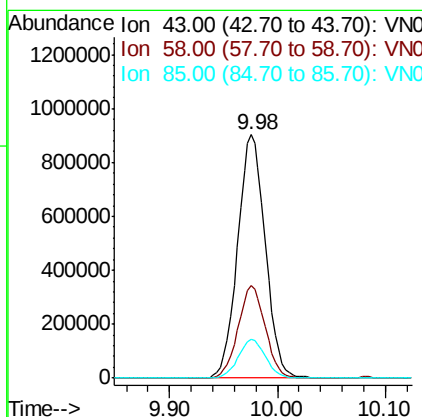
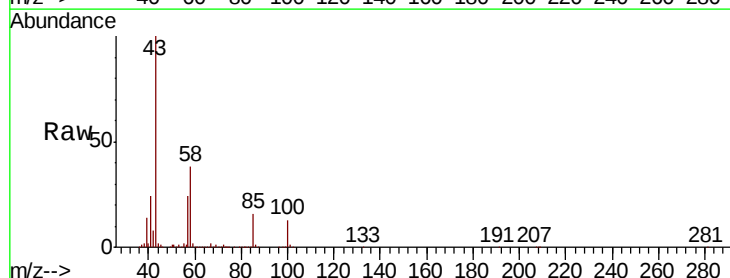
Manual Integrations
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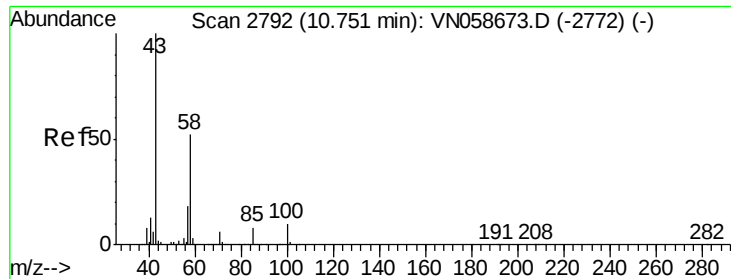
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 172.333 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1
85	15.7	13.2	19.8





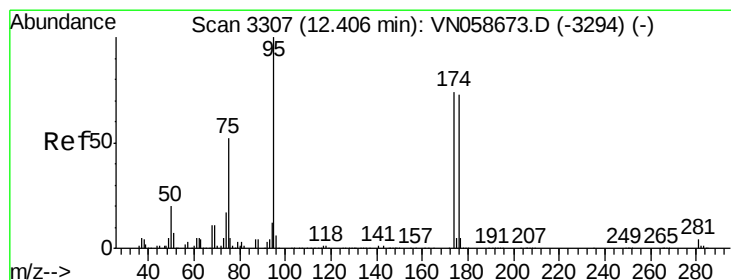
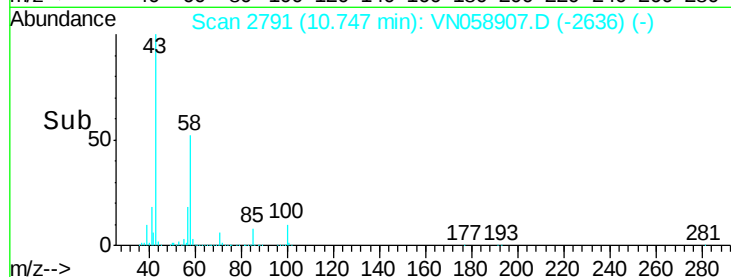
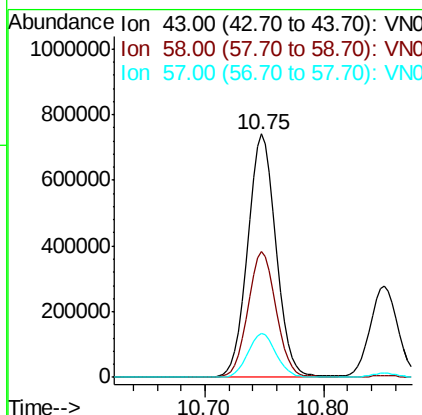
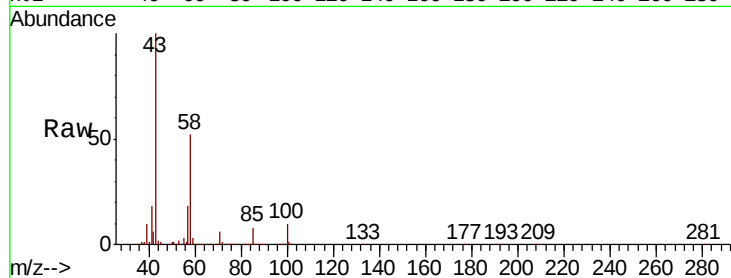
#59
2-Hexanone
Concen: 166.561 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.7	41.4	62.0
57	18.1	14.7	22.1

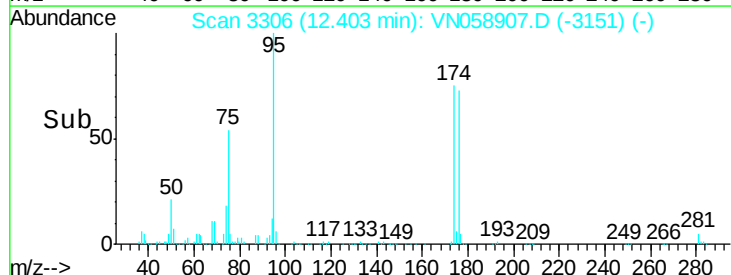
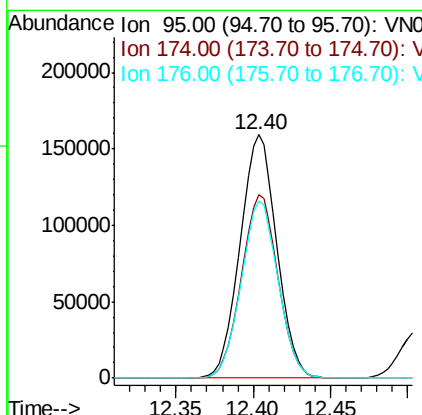
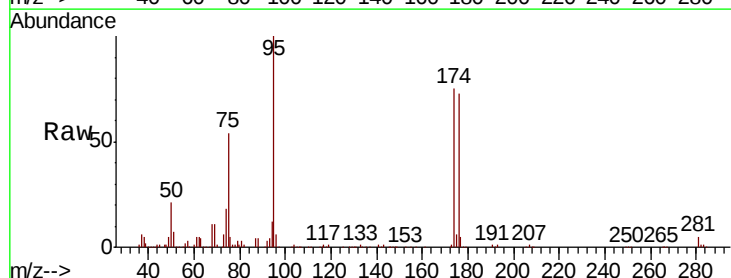
Manual Integrations
APPROVED

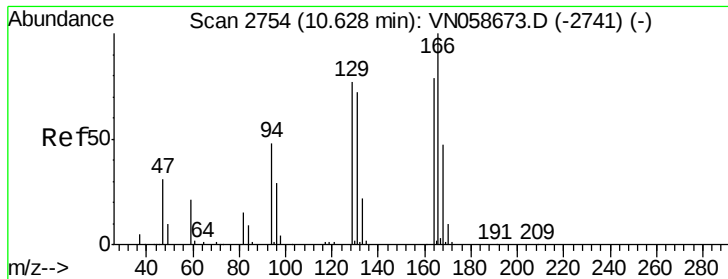
MMDadoda
10/23/2019 3:09:44 PM



#60
4-Bromofluorobenzene
Concen: 29.256 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	59.9	89.9
176	73.1	58.3	87.5





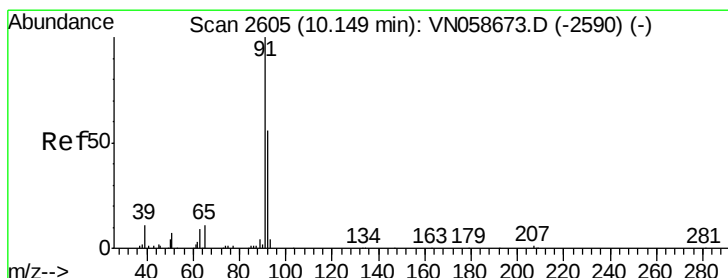
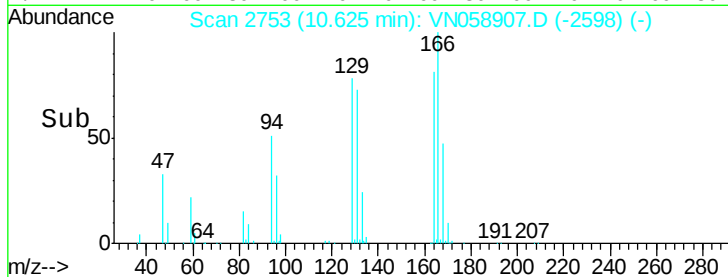
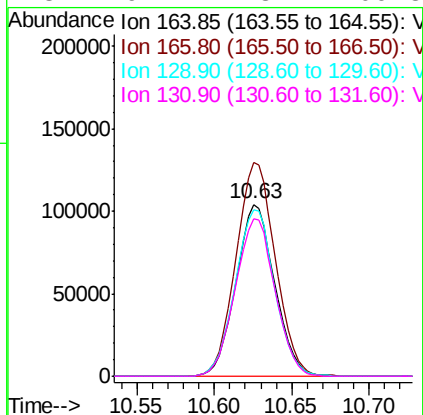
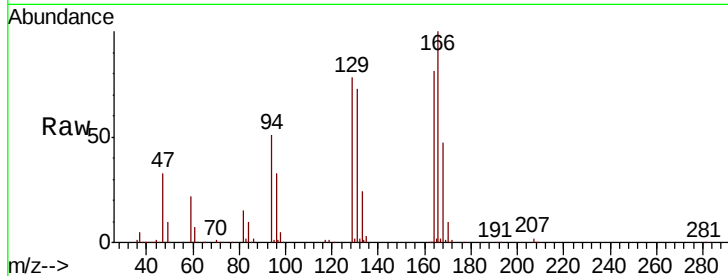
#61
Tetrachloroethene
Concen: 32.600 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.4	152.2
129	96.6	78.1	117.1
131	91.2	73.2	109.8

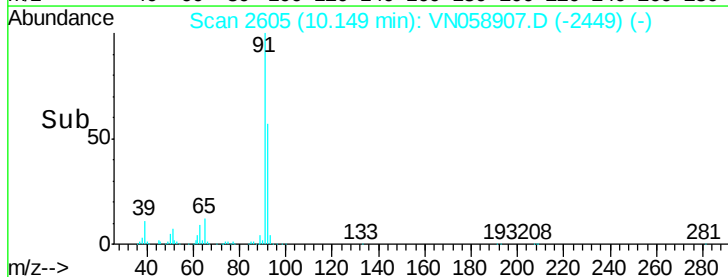
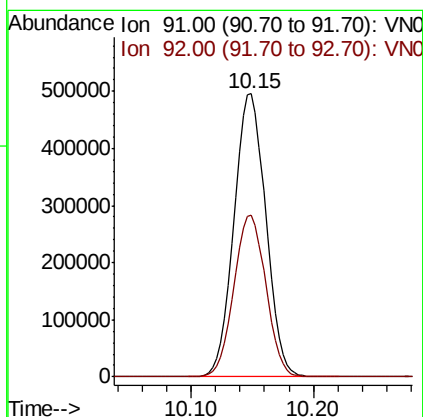
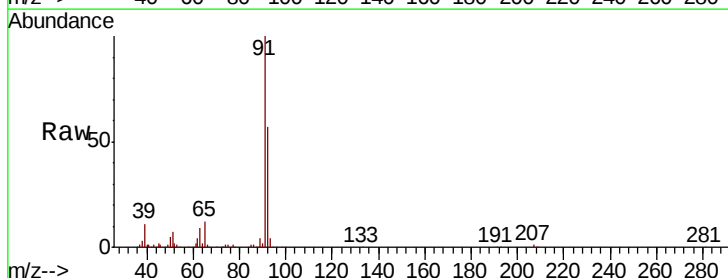
Manual Integrations
APPROVED

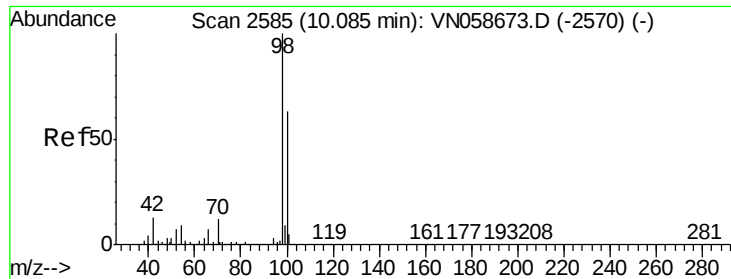
MMDadoda
10/23/2019 3:09:44 PM



#62
Toluene
Concen: 32.601 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.2





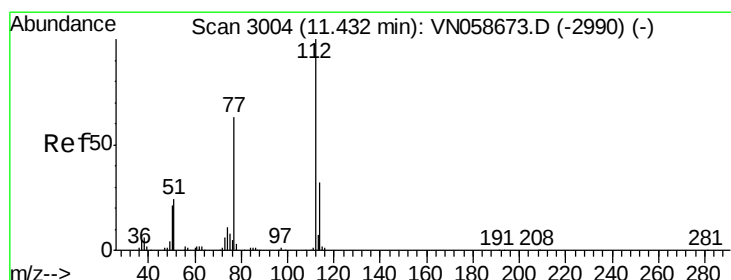
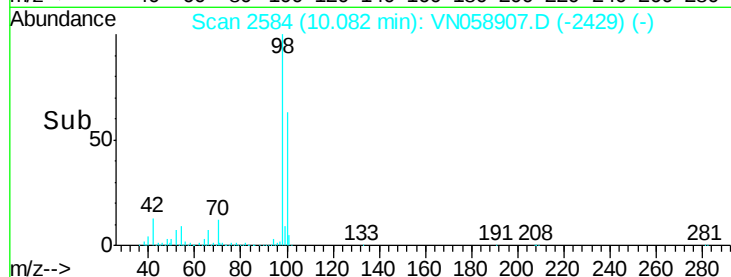
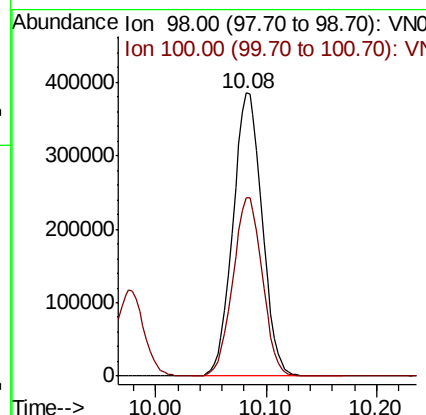
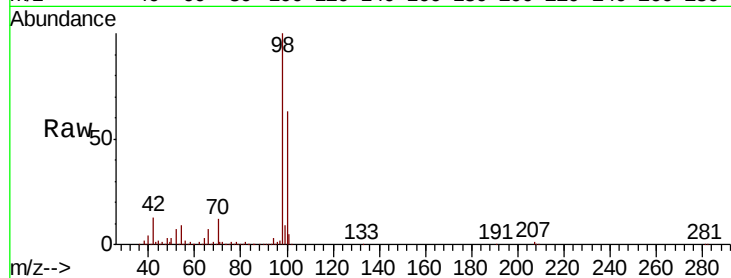
#63
Toluene-d8
Concen: 29.269 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 98 Resp: 708182
Ion Ratio Lower Upper
98 100
100 63.2 50.6 75.8

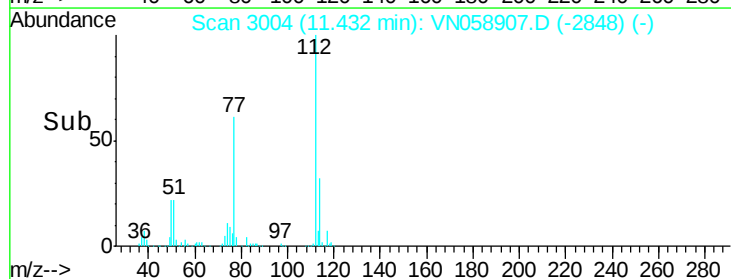
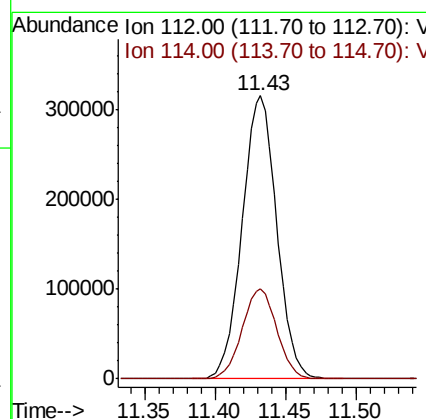
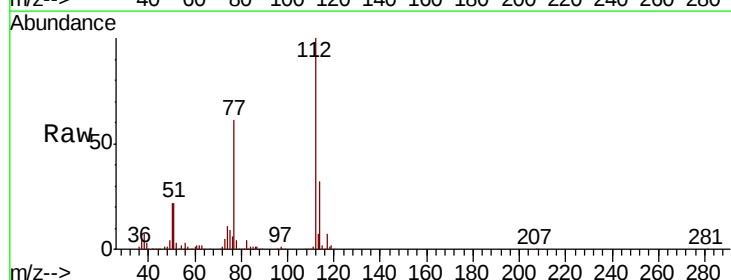
Manual Integrations
APPROVED

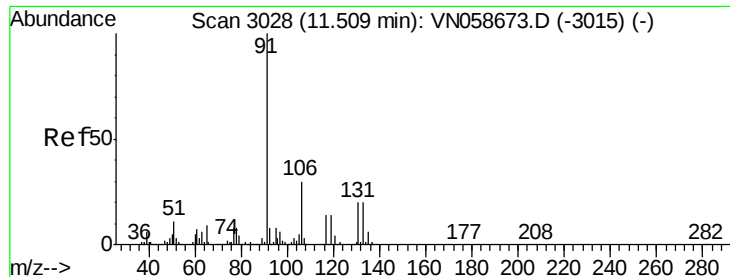
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#64
Chlorobenzene
Concen: 32.134 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 112 Resp: 541548
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 32.054 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

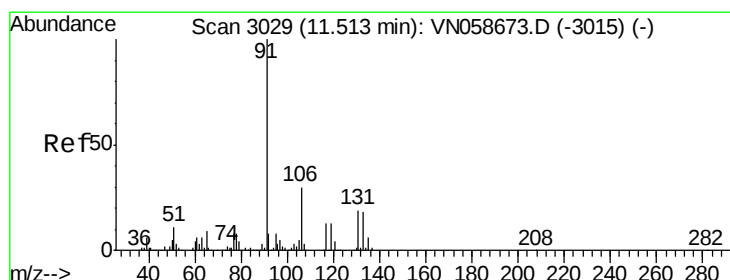
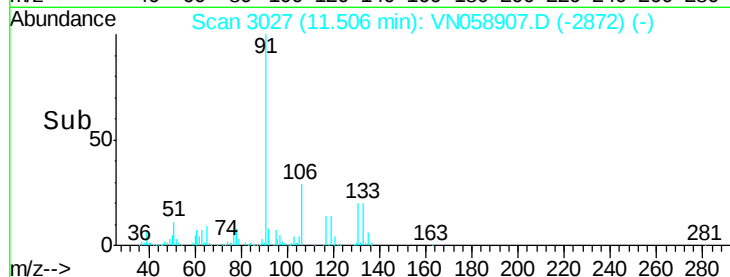
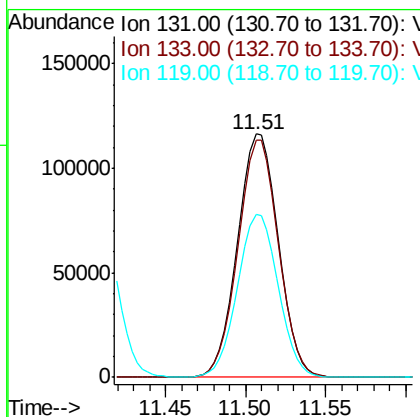
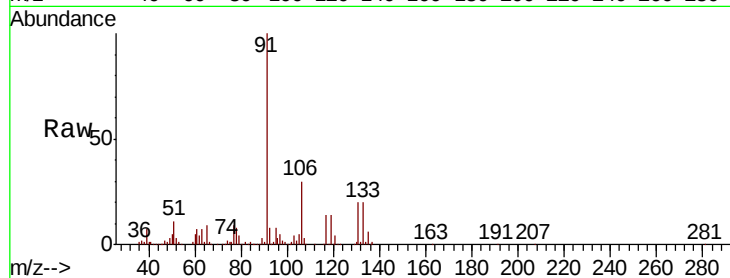
ClientSampleId :

VSTDCCC050

Tot Ion:	131	Resp:	202557
Ion Ratio	Lower	Upper	
131	100		
133	96.8	0.0	194.0
119	66.9	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 32.752 ug/l

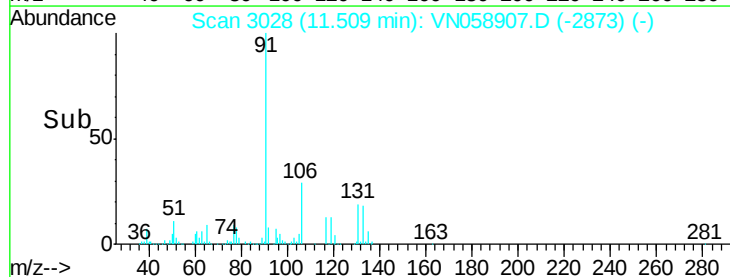
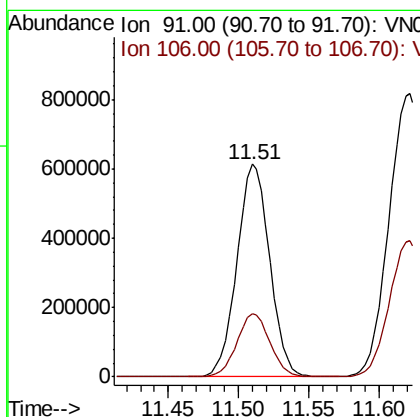
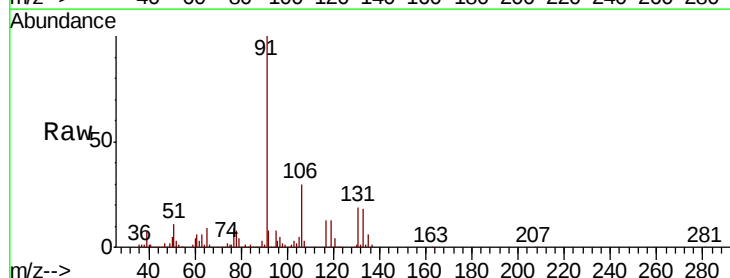
RT: 11.51 min Scan# 3028

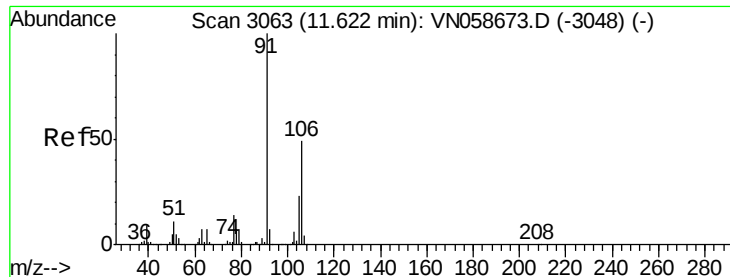
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	91	Resp:	999666
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.2	36.4





#67

m/p-Xylenes

Concen: 64.899 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 740061

Ion Ratio Lower Upper

106 100

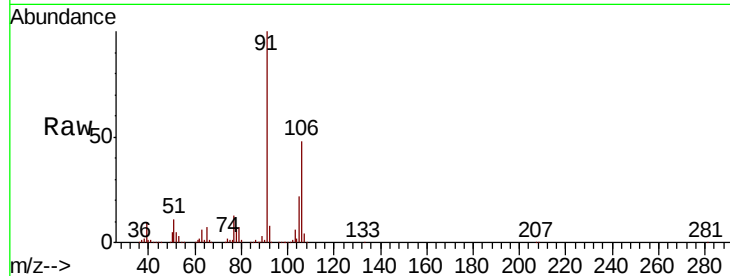
91 210.1 165.6 248.4

Manual Integrations

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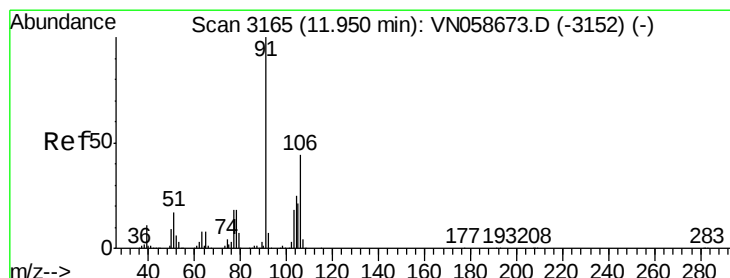
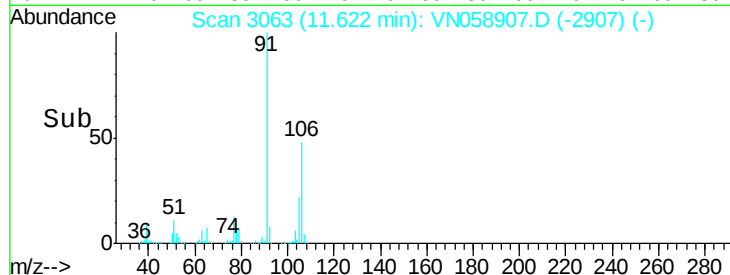
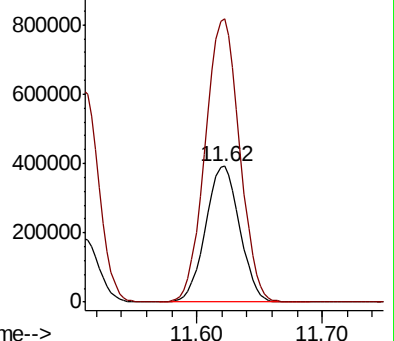
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 31.894 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN058907.D

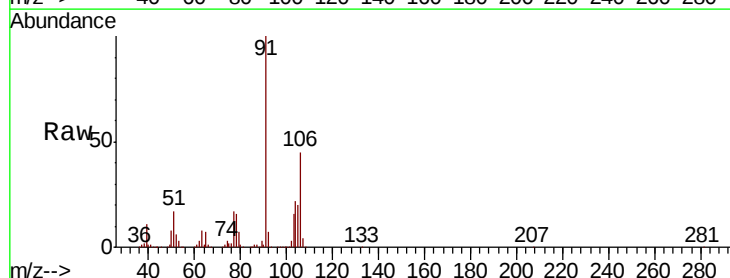
Acq: 22 Oct 2019 14:33

Tgt Ion:106 Resp: 352588

Ion Ratio Lower Upper

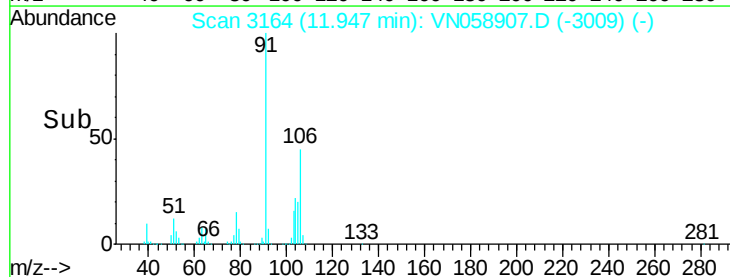
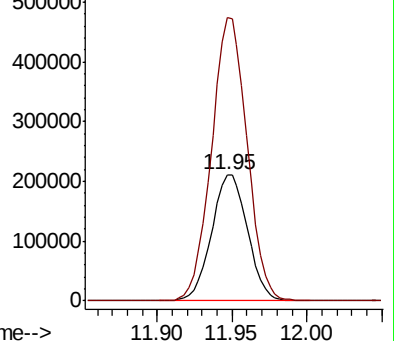
106 100

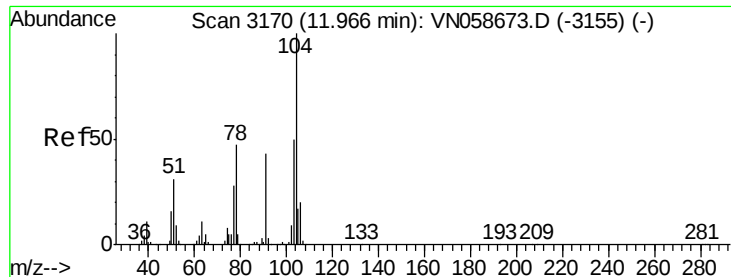
91 222.3 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





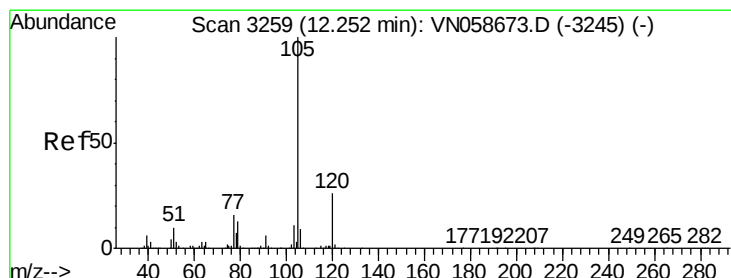
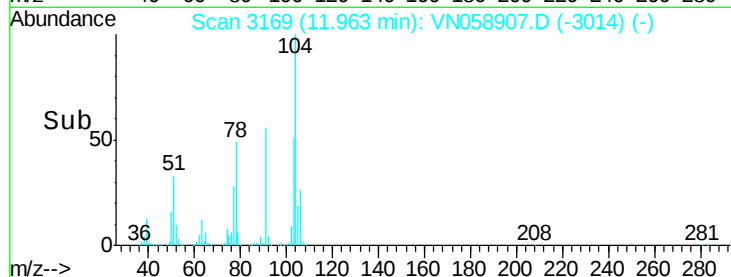
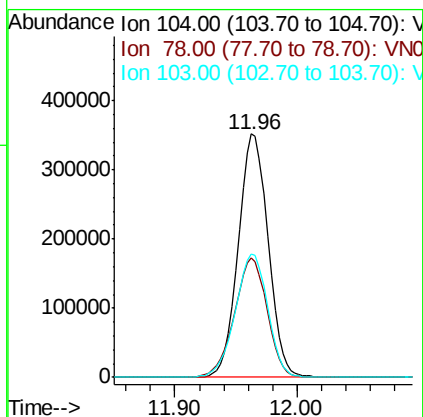
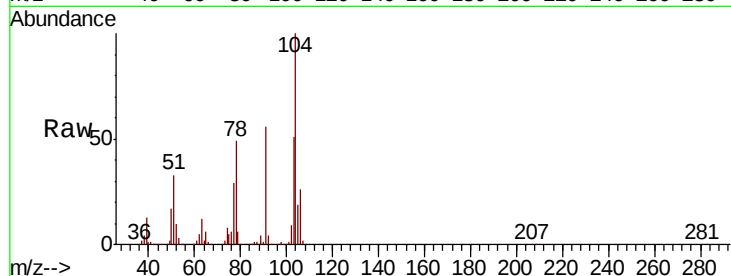
#69
Stvrene
Concen: 32.567 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.4	63.6
103	55.2	44.6	66.8

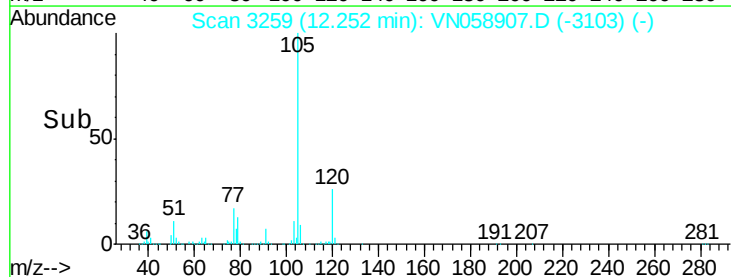
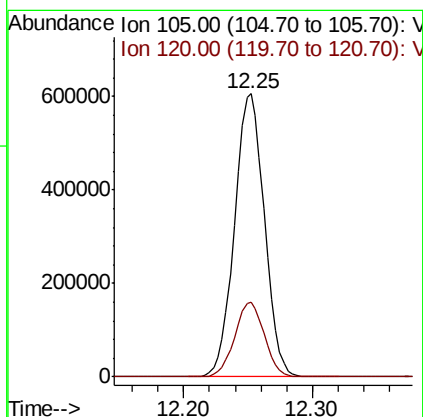
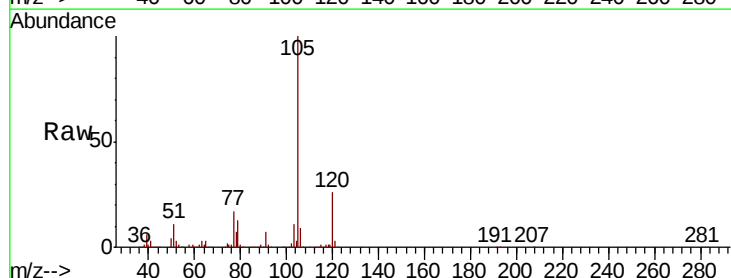
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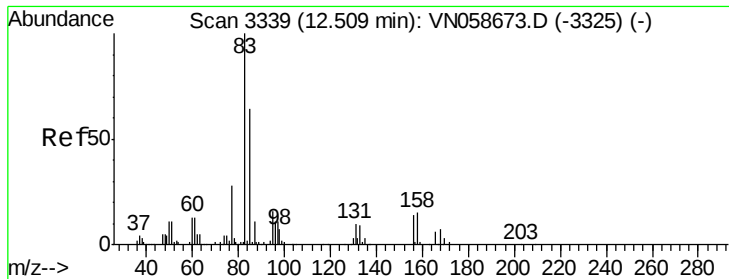
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#70
Isopropylbenzene
Concen: 32.613 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.4	34.2





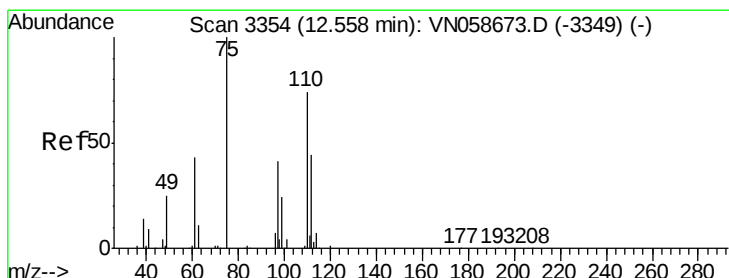
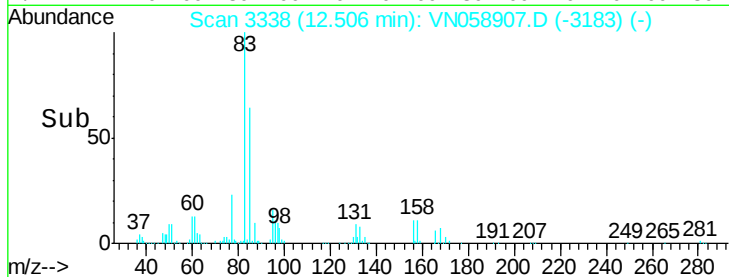
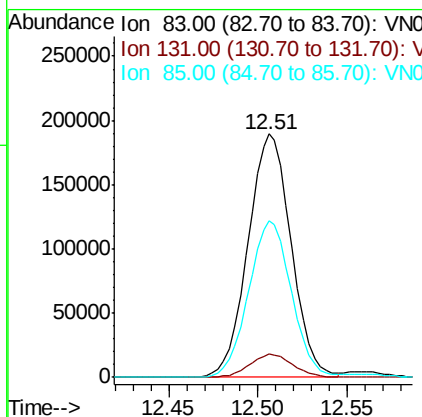
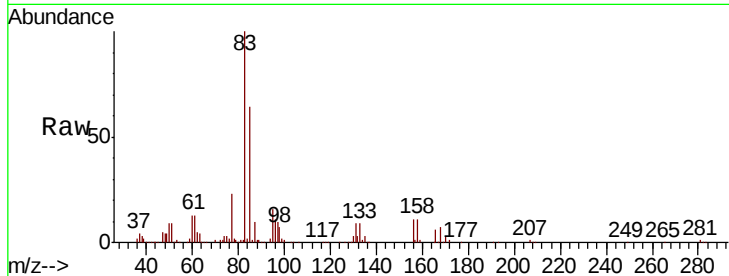
#71
 1,1,2,2-Tetrachloroethane
 Concen: 31.852 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	63.7	31.6	94.7

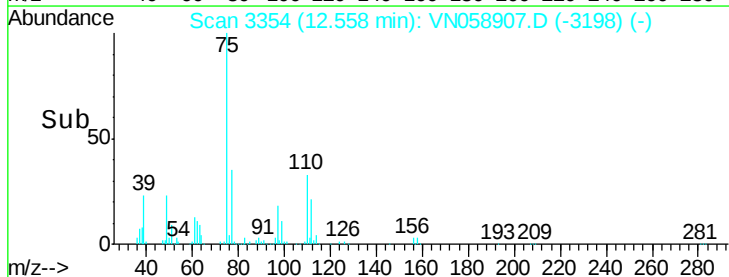
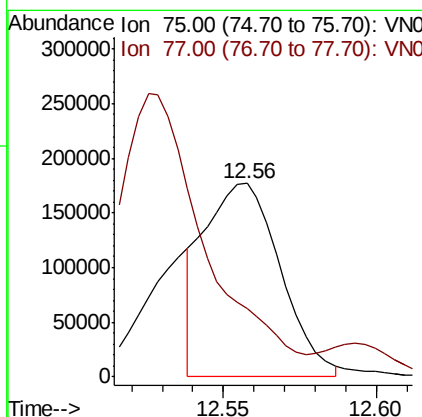
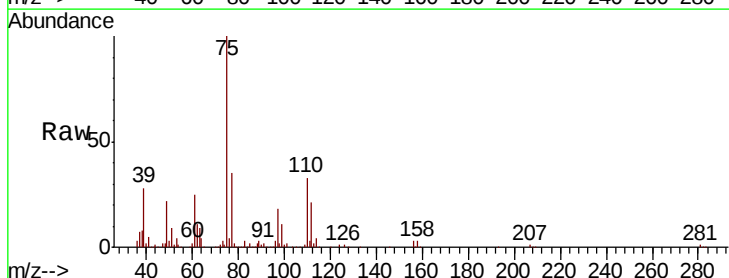
Manual Integrations
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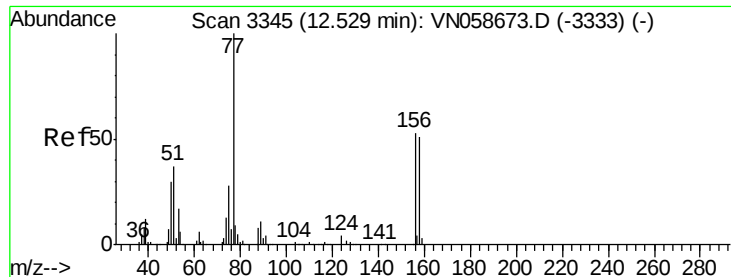
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#72
 1,2,3-Trichloropropane
 Concen: 33.345 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	175.2	0.0	359.4





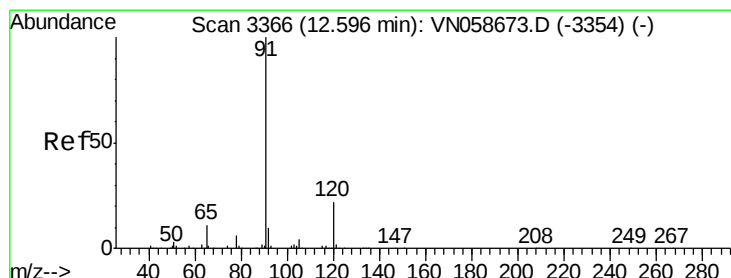
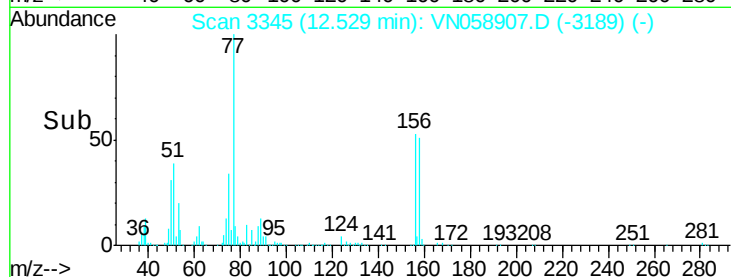
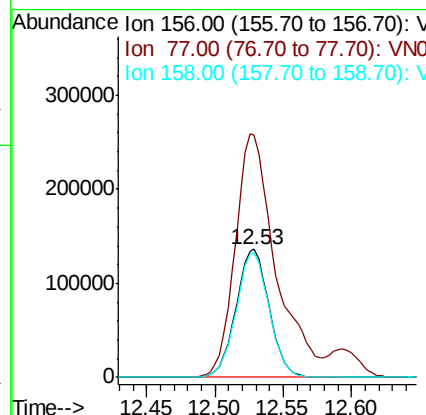
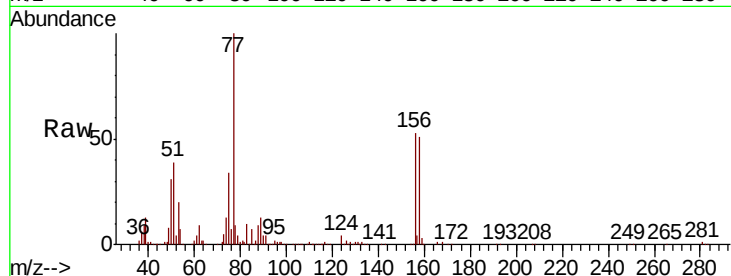
#73
Bromobenzene
Concen: 31.597 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		229061		
77	232.2		0.0	456.0	
158	97.3		0.0	195.4	

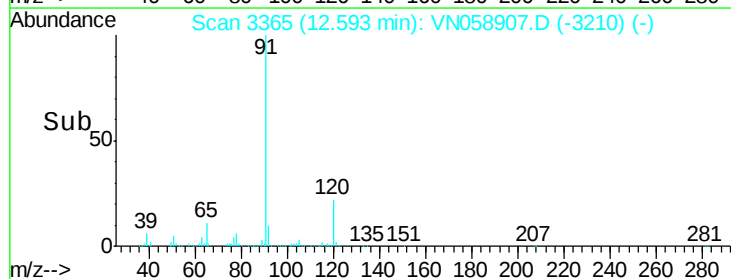
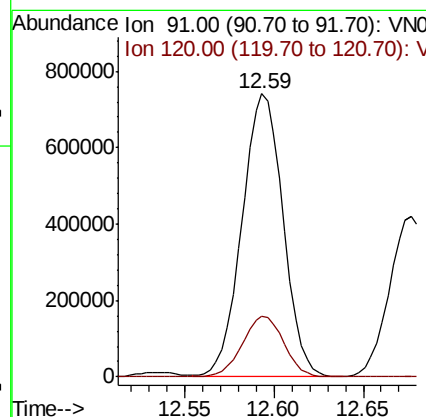
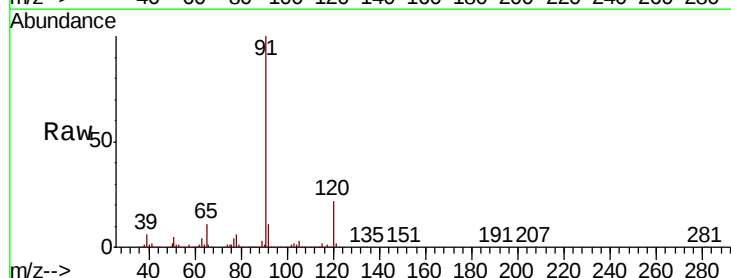
Manual Integrations
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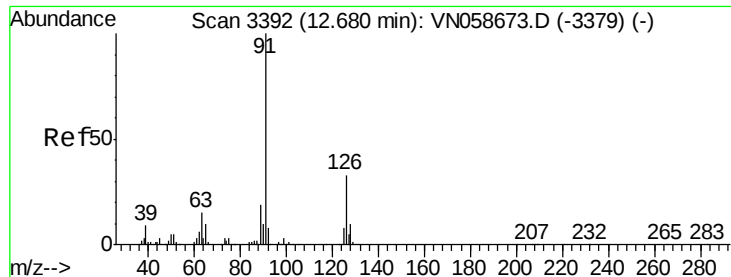
MMDadoda
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#74
n-propylbenzene
Concen: 34.005 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1187960		
120	21.6		0.0	43.6	





#75

2-Chlorotoluene

Concen: 33.059 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 694866

Ion Ratio Lower Upper

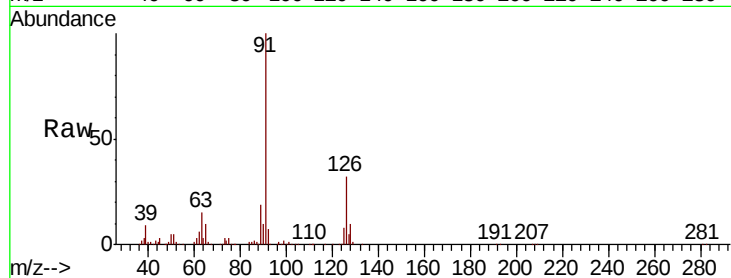
91 100

126 31.9 0.0 65.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)

600000

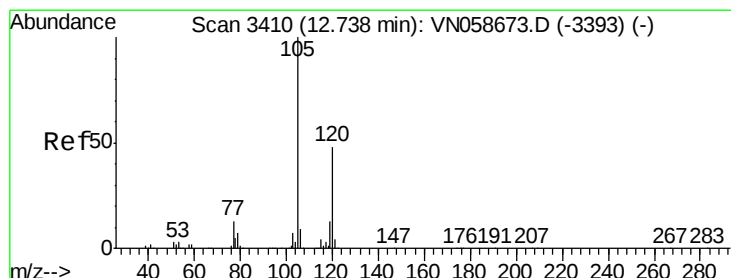
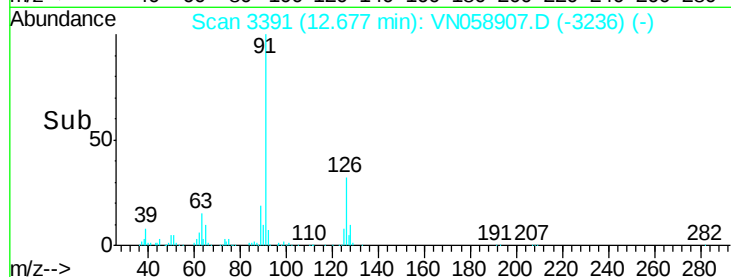
400000

200000

0

12.65 12.68 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 33.177 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058907.D

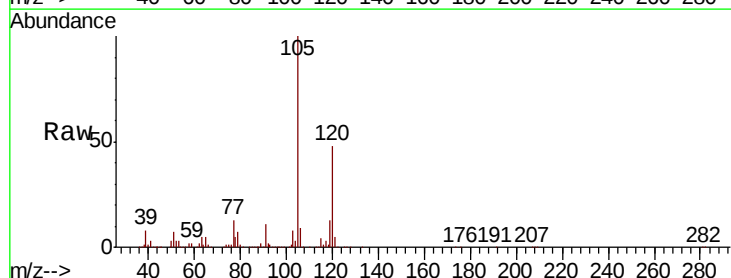
Acq: 22 Oct 2019 14:33

Tgt Ion: 105 Resp: 848116

Ion Ratio Lower Upper

105 100

120 47.7 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)

600000

500000

400000

300000

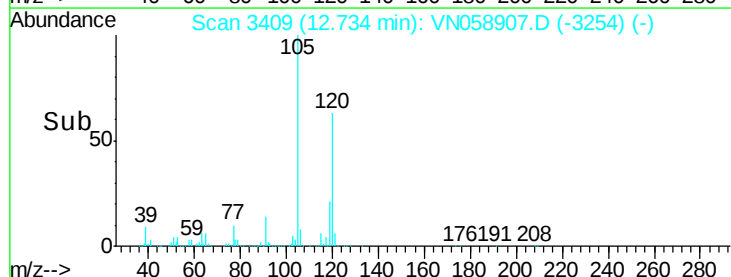
200000

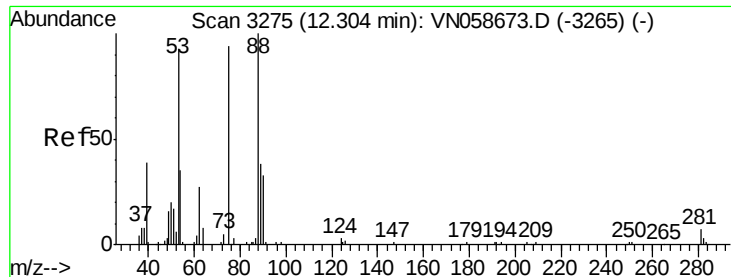
100000

0

12.70 12.73 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 33.247 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

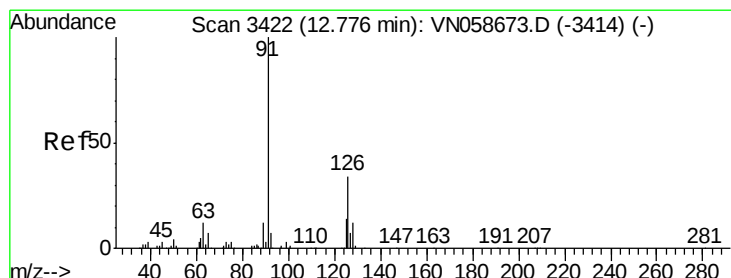
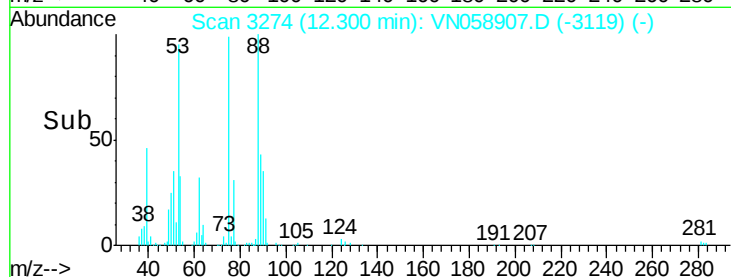
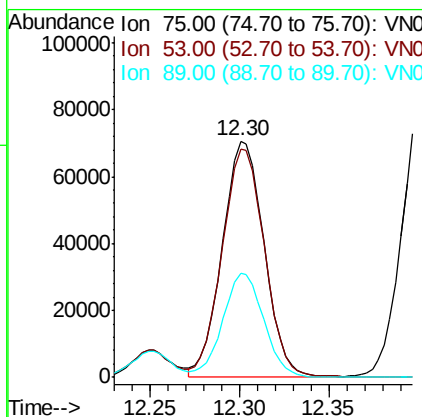
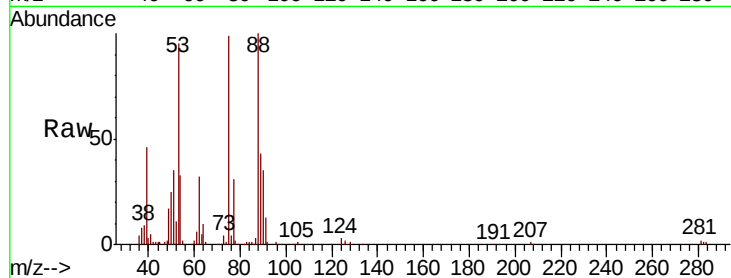
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	115315
Ion Ratio	Lower	Upper	
75	100		
53	96.3	50.0	150.0
89	44.0	20.7	62.1

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#78

4-Chlorotoluene

Concen: 33.174 ug/l

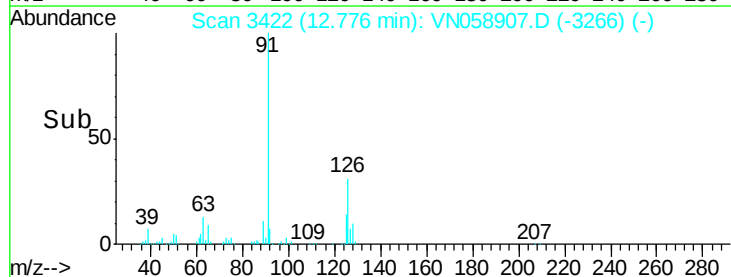
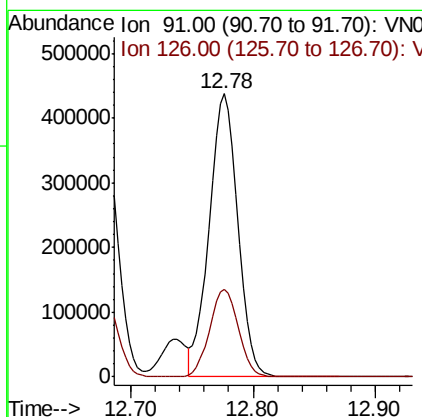
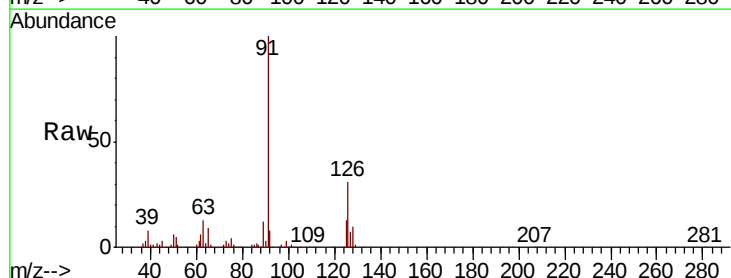
RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	91	Resp:	718668
Ion Ratio	Lower	Upper	
91	100		
126	31.3	0.0	63.4





#79

tert-butylbenzene

Concen: 32.374 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

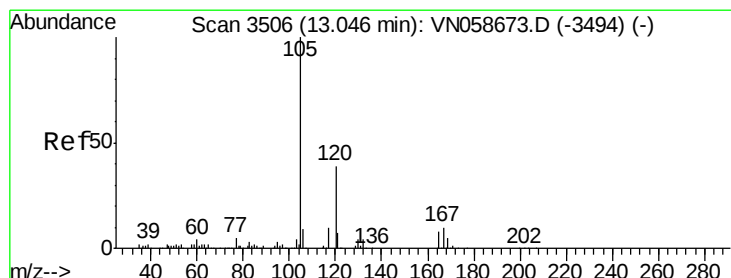
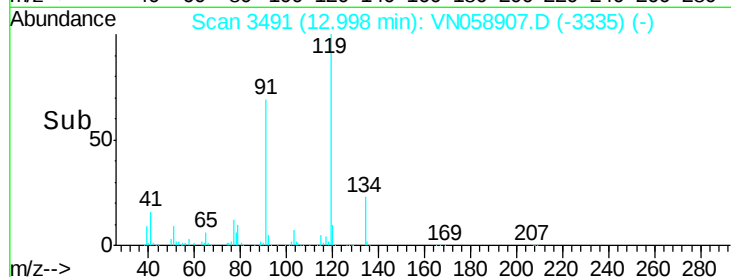
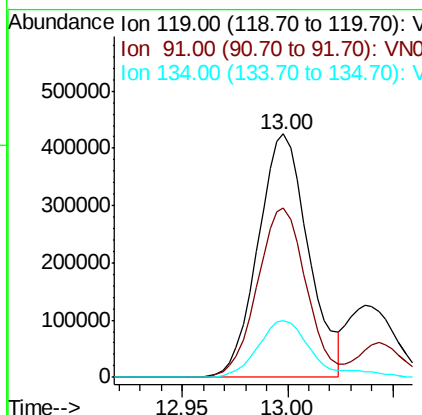
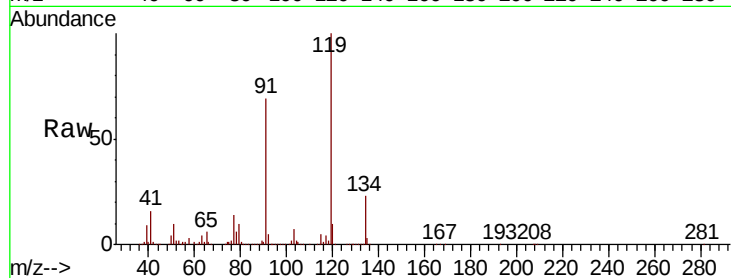
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	707047
Ion Ratio	Lower	Upper	
119	100		
91	67.9	0.0	136.4
134	23.4	0.0	47.2

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 33.374 ug/l

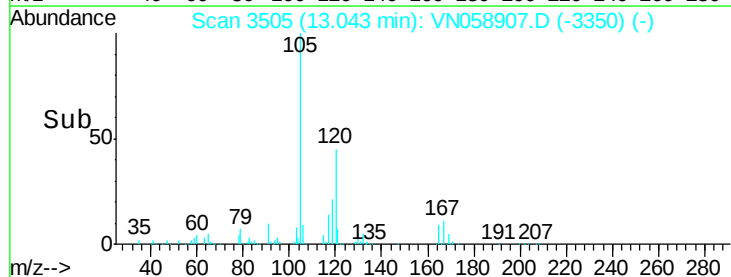
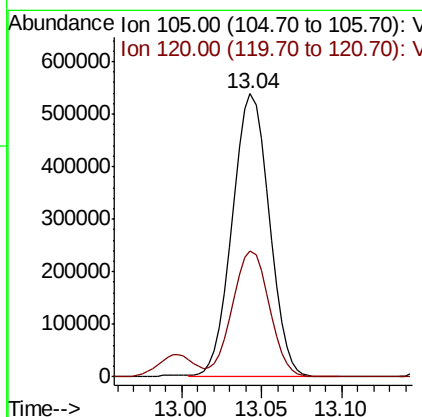
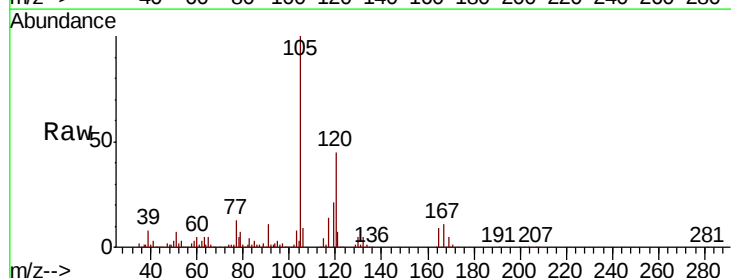
RT: 13.04 min Scan# 3505

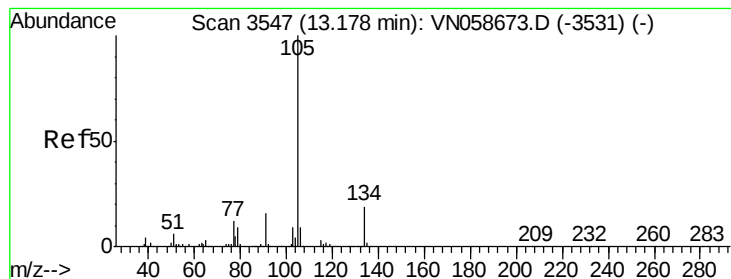
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	105	Resp:	847746
Ion Ratio	Lower	Upper	
105	100		
120	44.6	0.0	89.2





#81

sec-Butylbenzene

Concen: 33.109 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 973130

Ion Ratio Lower Upper

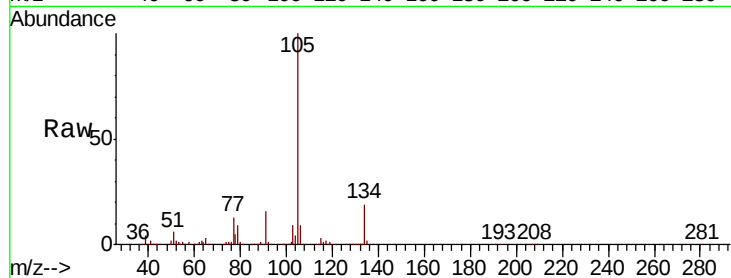
105 100

134 19.1 0.0 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

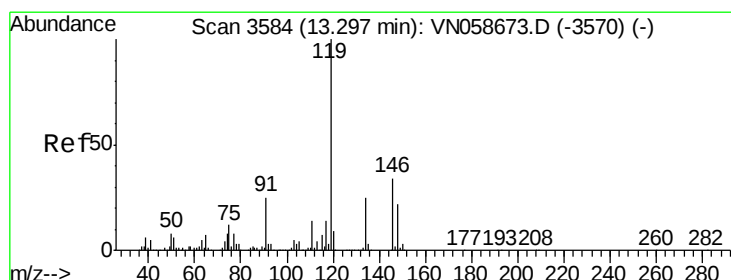
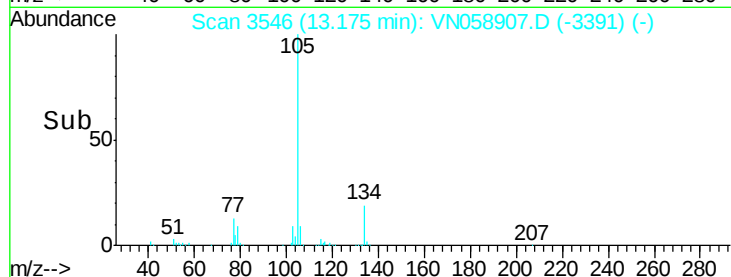
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 33.181 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

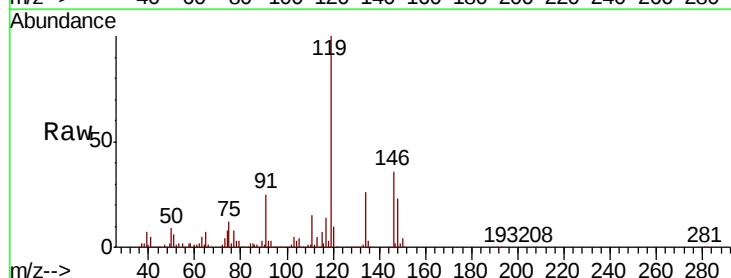
Tgt Ion:119 Resp: 875750

Ion Ratio Lower Upper

119 100

134 26.0 0.0 50.8

91 24.8 0.0 49.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

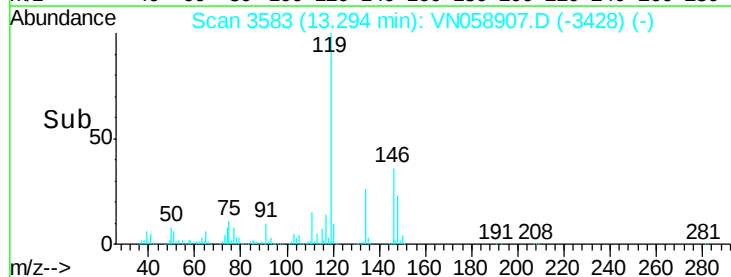
600000

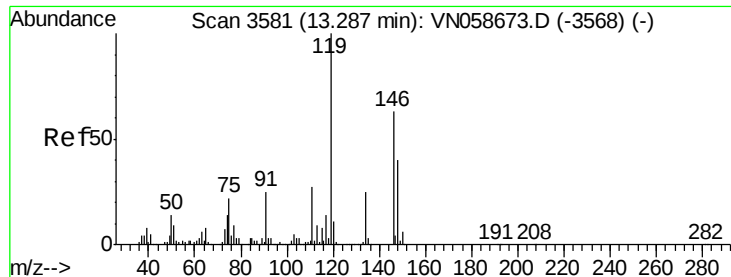
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





#83

1,3-Dichlorobenzene

Concen: 32.702 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

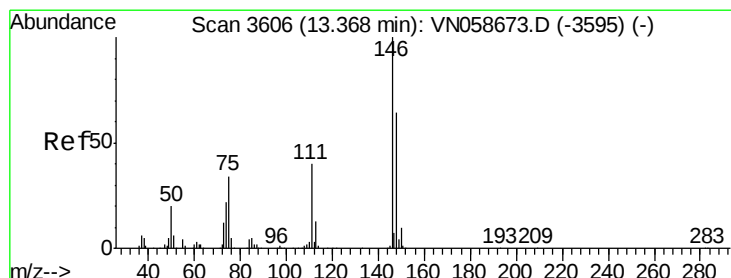
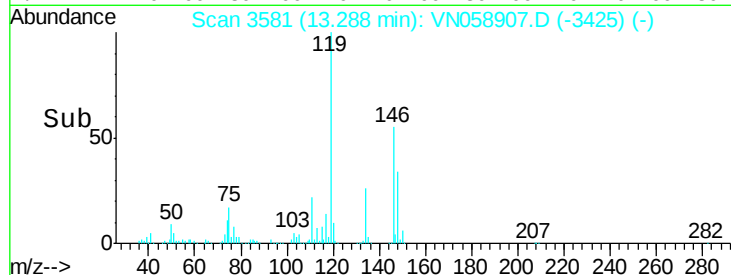
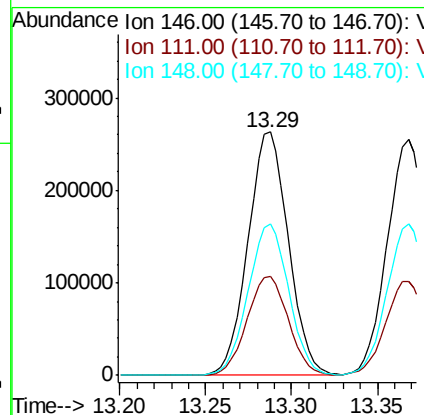
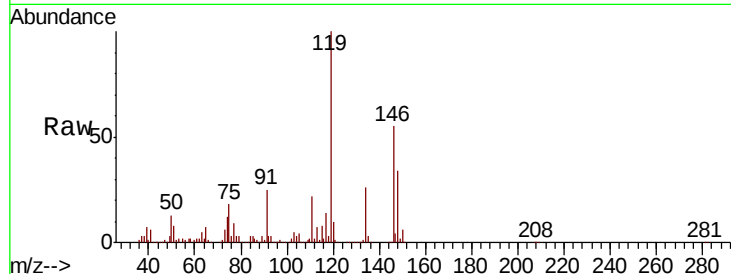
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	62.6	31.7	95.1

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 32.015 ug/l

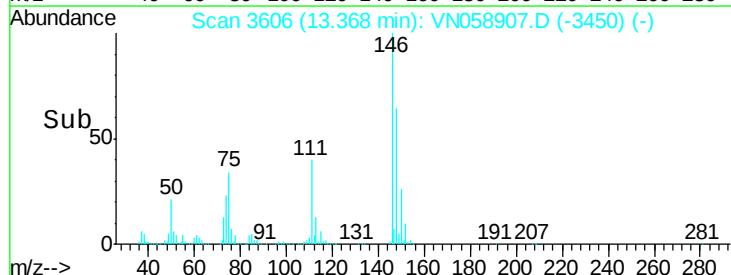
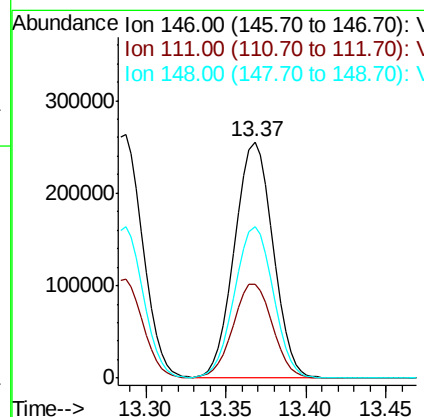
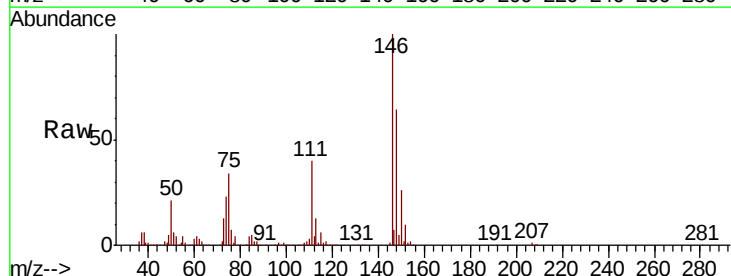
RT: 13.37 min Scan# 3606

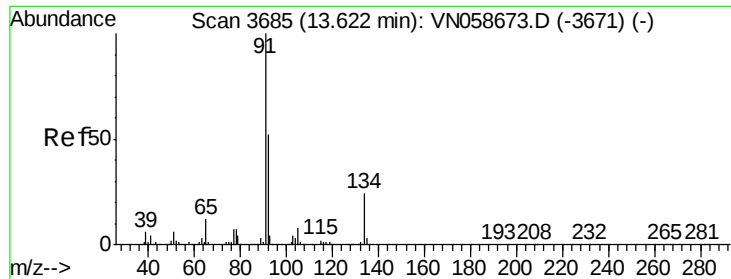
Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.4
148	64.3	31.6	94.8





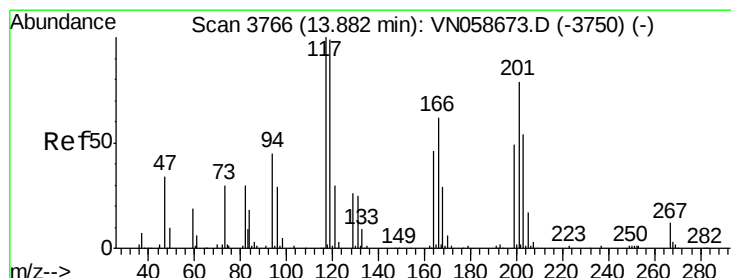
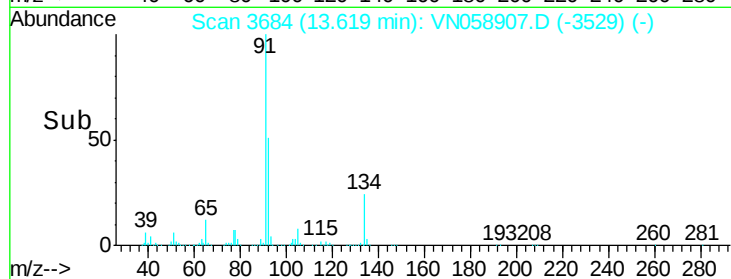
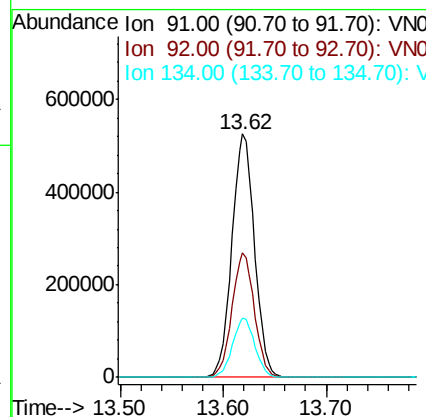
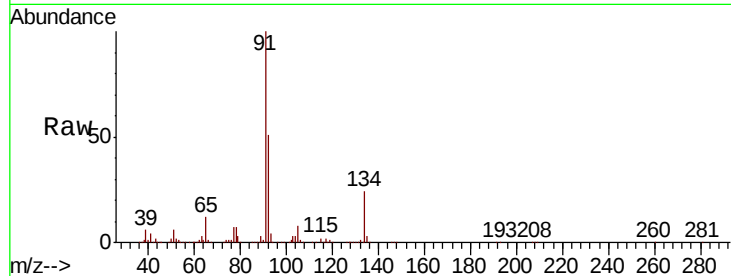
#85
n-Butylbenzene
Concen: 33.200 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	802255		
92	50.7	0.0	102.8	
134	23.9	0.0	48.6	

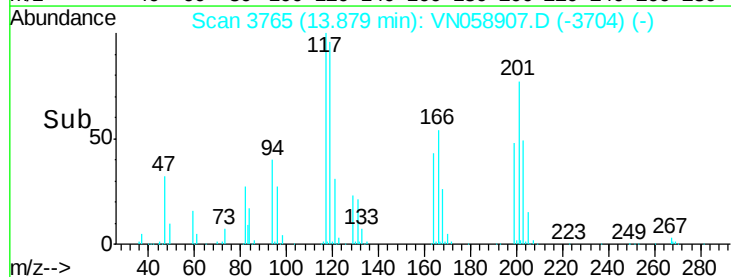
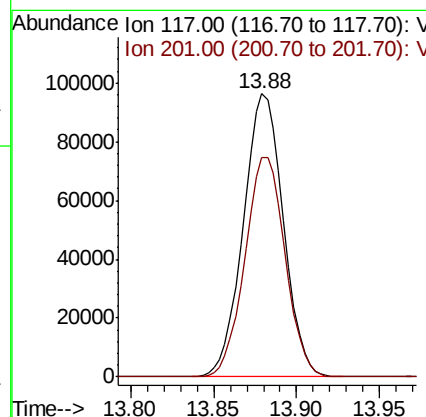
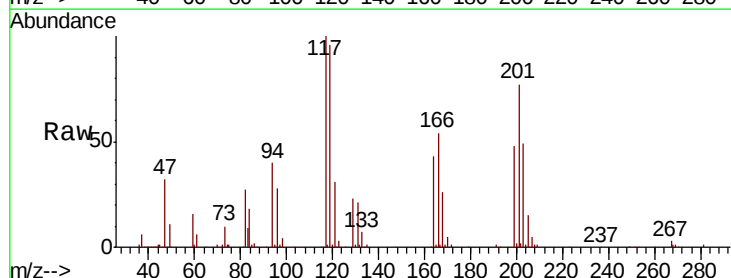
Manual Integrations
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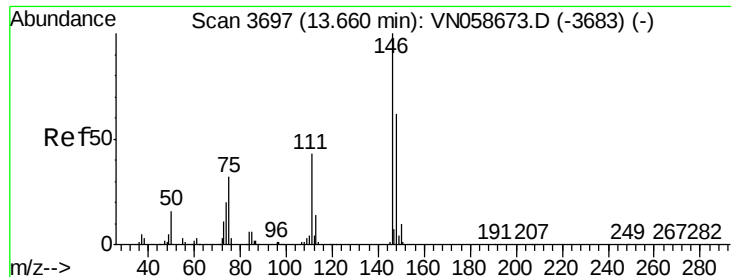
MMDadoda
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#86
Hexachloroethane
Concen: 33.578 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	161283		
201	77.9	38.7	116.1	





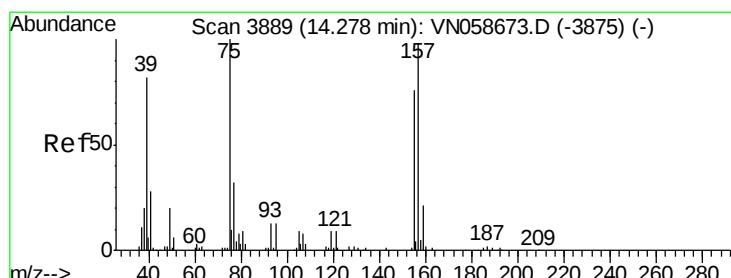
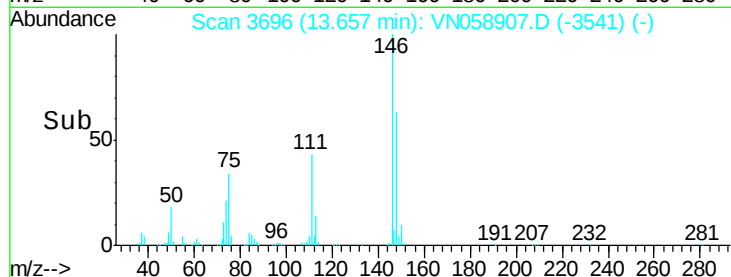
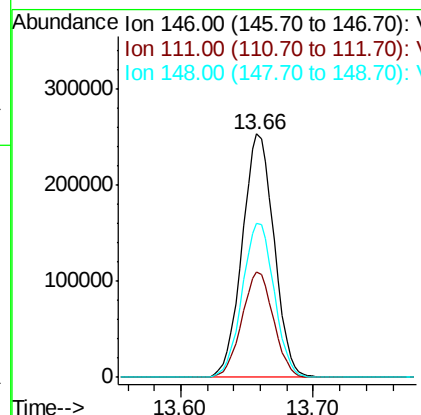
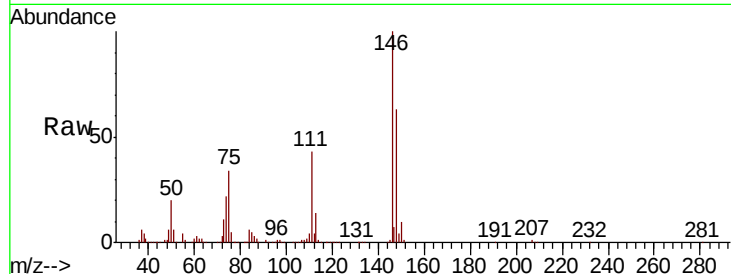
#87
 1,2-Dichlorobenzene
 Concen: 32.571 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.4
148	63.6	32.1	96.5

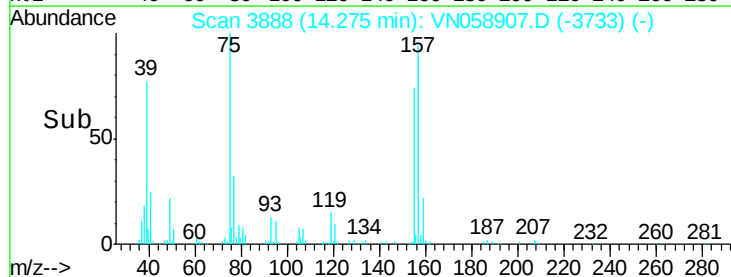
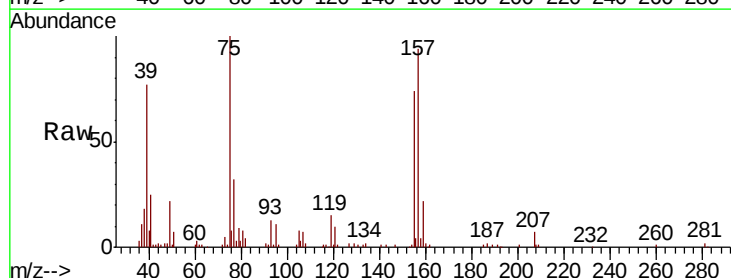
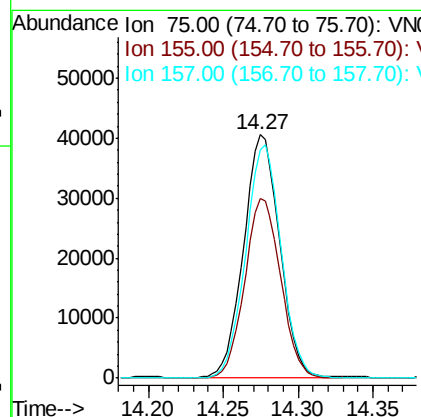
Manual Integrations
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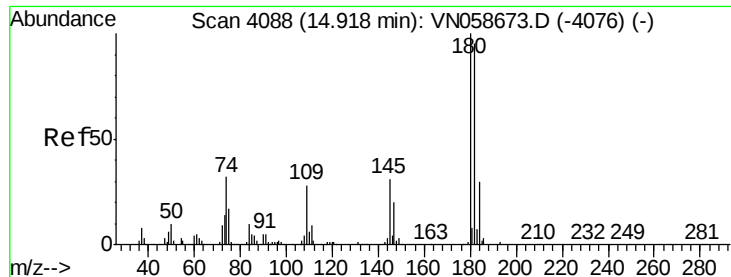
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 30.702 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	58.3	87.5
157	93.7	75.0	112.6





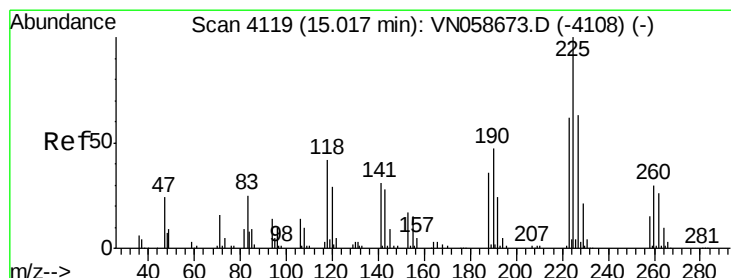
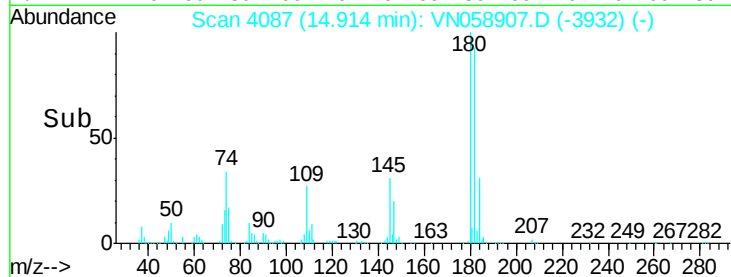
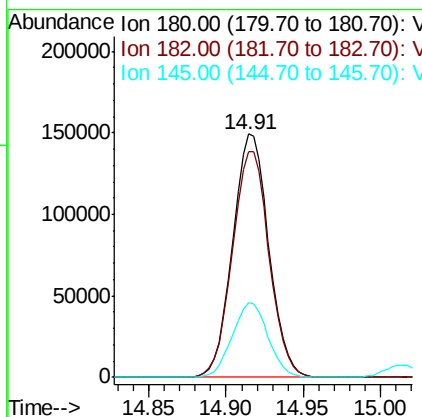
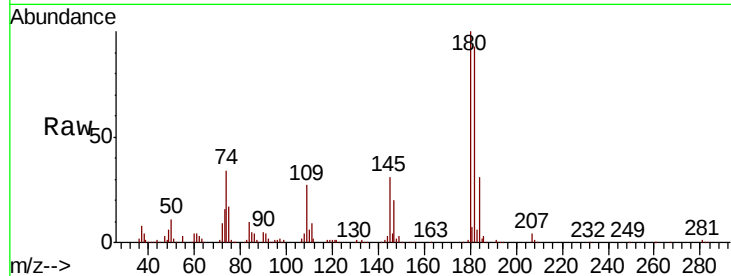
#89
 1,2,4-Trichlorobenzene
 Concen: 29.508 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.3	112.9
145	30.5	24.8	37.2

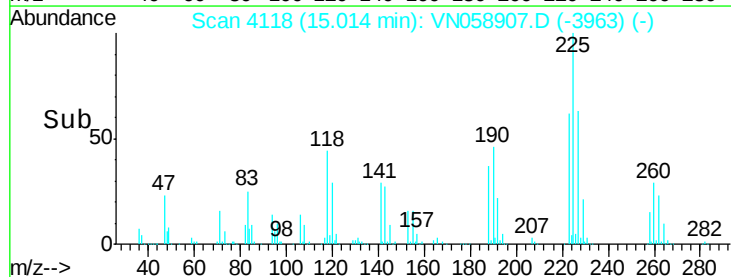
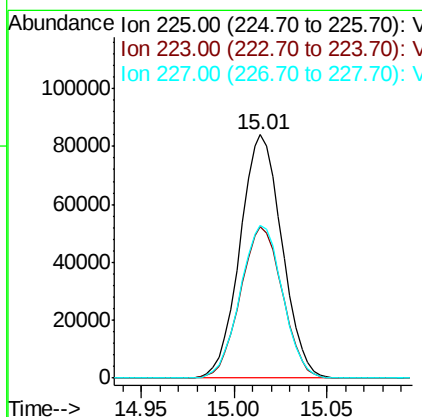
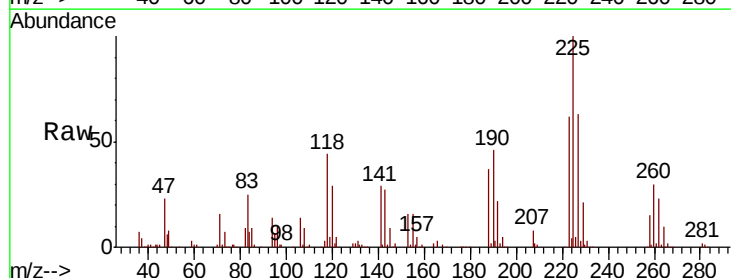
Manual Integrations
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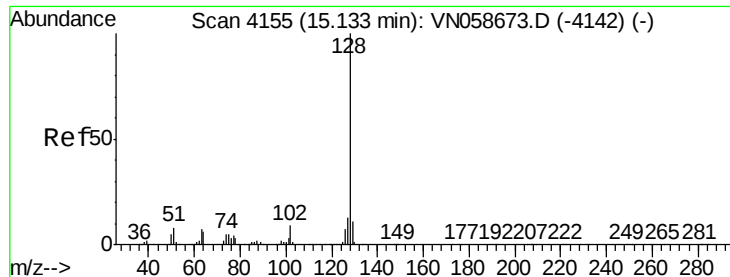
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#90
 Hexachlorobutadiene
 Concen: 31.386 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	126.2
227	63.5	0.0	127.0





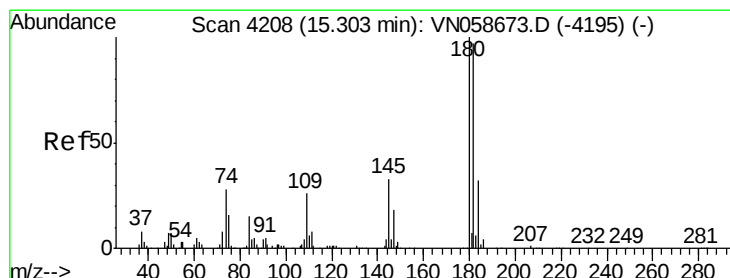
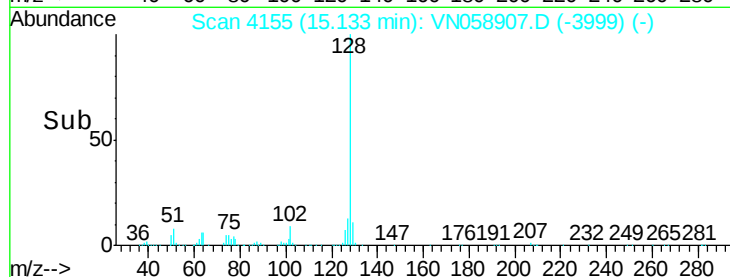
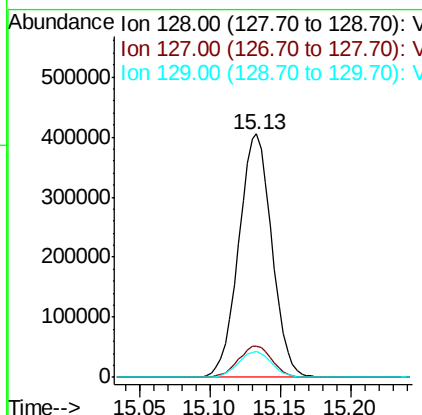
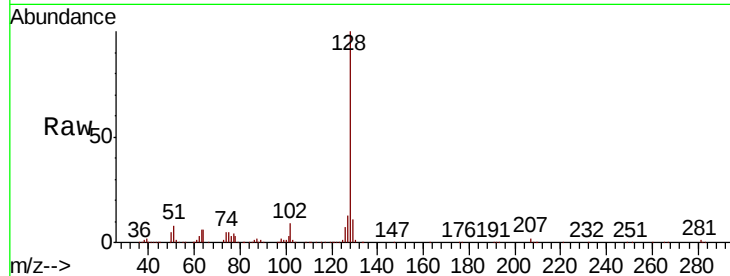
#91
Naphthalene
Concen: 27.639 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 29.478 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	193.4
145	32.5	0.0	65.8

