

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058558.D
 Acq On : 7 Oct 2019 11:26
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:16 AM

Quant Time: Oct 08 14:45:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	74360	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	433446	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	385715	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	197726	30.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.41	95	197139	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	10.08	98	552191	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	90723	20.288	ug/l 100
3) Chloromethane	2.04	50	118326	22.917	ug/l 98
4) Vinyl Chloride	2.17	62	109355	21.225	ug/l 96
5) Bromomethane	2.55	94	54420	19.453	ug/l 99
6) Chloroethane	2.68	64	68160	22.386	ug/l 98
7) Trichlorofluoromethane	3.00	101	129480	21.344	ug/l 97
8) Diethyl Ether	3.39	74	54959	20.379	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	83716	20.048	ug/l 98
10) 1,1-Dichloroethene	3.72	96	81803	20.039	ug/l 96
11) Methyl Iodide	3.93	142	71893	17.177	ug/l 99
12) Methyl Acetate	4.30	43	111333	20.477	ug/l 99
13) Acrolein	3.58	56	30585	197.831	ug/l 99
14) Acrylonitrile	4.96	53	225098	100.270	ug/l 99
15) Acetone	3.79	58	81910	131.591	ug/l 99
16) Carbon Disulfide	4.03	76	226303	19.949	ug/l 99
17) Allyl chloride	4.30	41	162045	21.252	ug/l 95
18) Methylene Chloride	4.52	84	102237	21.231	ug/l 94
19) trans-1,2-Dichloroethene	5.01	96	90919	19.867	ug/l 96
20) Diisopropyl ether	5.93	45	331730	20.418	ug/l 96
21) 1,1-Dichloroethane	5.82	63	188823	20.769	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	105855	19.913	ug/l 97
23) tert-Butyl Alcohol	4.76	59	86103	103.897	ug/l 100
24) Methyl tert-Butyl Ether	5.01	73	301060	20.546	ug/l 97
25) Chloroform	7.35	83	187227	20.337	ug/l 99
26) Cyclohexane	7.63	56	160654	18.905	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	139238	19.680	ug/l 98
30) 2-Butanone	6.81	43	339973	105.825	ug/l 99
31) 2,2-Dichloropropane	6.80	77	171365	23.526	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	160118	20.982	ug/l 99
33) Carbon Tetrachloride	7.75	117	134892	20.805	ug/l 100
34) Benzene	8.02	78	404190	20.138	ug/l 97
35) Methacrylonitrile	7.16	41	63753m	23.072	ug/l
36) 1,2-Dichloroethane	8.11	62	157389	20.018	ug/l 99
37) Trichloroethene	8.82	130	100901	20.081	ug/l 99
38) Methylcyclohexane	9.07	83	152693	17.847	ug/l 99
39) 1,2-Dichloropropane	9.11	63	112176	20.490	ug/l 98
40) Dibromomethane	9.20	93	69576	20.136	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	141783	20.760	ug/l	100
42) Vinyl Acetate	5.87	43	1366878	111.434	ug/l	100
43) Ethyl Acetate	6.91	43	124150	19.463	ug/l	94
44) Isopropyl Acetate	8.15	43	219588	19.231	ug/l #	81
45) 1,4-Dioxane	9.19	88	36009	373.814	ug/l	97
46) Methyl methacrylate	9.19	41	102217	18.889	ug/l	96
47) n-amyl Acetate	12.07	43	192640	19.382	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	155542	20.842	ug/l	95
49) cis-1,3-Dichloropropene	9.83	75	171919	20.691	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	99938	20.695	ug/l	98
51) Ethyl methacrylate	10.43	69	143698	18.808	ug/l	98
52) 1,3-Dichloropropane	10.71	76	170739	19.908	ug/l	99
53) Dibromochloromethane	10.90	129	97921	20.184	ug/l	98
54) 1,2-Dibromoethane	11.00	107	98241	19.935	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	360790	111.521	ug/l	100
56) Bromoform	12.13	173	61274	20.024	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	638813	105.699	ug/l	100
59) 2-Hexanone	10.75	43	484286	105.995	ug/l	99
61) Tetrachloroethene	10.63	164	87471	21.646	ug/l	97
62) Toluene	10.15	91	436042	20.641	ug/l	100
64) Chlorobenzene	11.44	112	258401	19.905	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	97205	21.360	ug/l	99
66) Ethyl Benzene	11.51	91	485602	21.081	ug/l	100
67) m/p-Xylenes	11.62	106	347768	39.325	ug/l	99
68) o-Xylene	11.95	106	165760	19.276	ug/l	94
69) Styrene	11.97	104	272496	18.950	ug/l	99
70) Isopropylbenzene	12.25	105	458926	20.594	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	138046	19.491	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	137651m	22.599	ug/l	
73) Bromobenzene	12.53	156	108148	20.036	ug/l	98
74) n-propylbenzene	12.60	91	540117	21.024	ug/l	99
75) 2-Chlorotoluene	12.68	91	324305	20.181	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	384142	20.020	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40209	20.237	ug/l	95
78) 4-Chlorotoluene	12.78	91	331714	20.140	ug/l	99
79) tert-butylbenzene	13.00	119	318917	19.197	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	384940	20.098	ug/l	98
81) sec-Butylbenzene	13.18	105	429643	19.718	ug/l	99
82) p-Isopropyltoluene	13.30	119	385739	19.658	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	189503	19.030	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	187851	18.953	ug/l	100
85) n-Butylbenzene	13.62	91	344590	18.901	ug/l	99
86) Hexachloroethane	13.88	117	64044	20.207	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	189478	19.486	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	27019	19.546	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	106511	16.766	ug/l	96
90) Hexachlorobutadiene	15.02	225	51098	16.623	ug/l	96
91) Naphthalene	15.13	128	301750	17.296	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	101067	16.564	ug/l	98

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QLast Update : Wed Sep 25 01:36:25 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

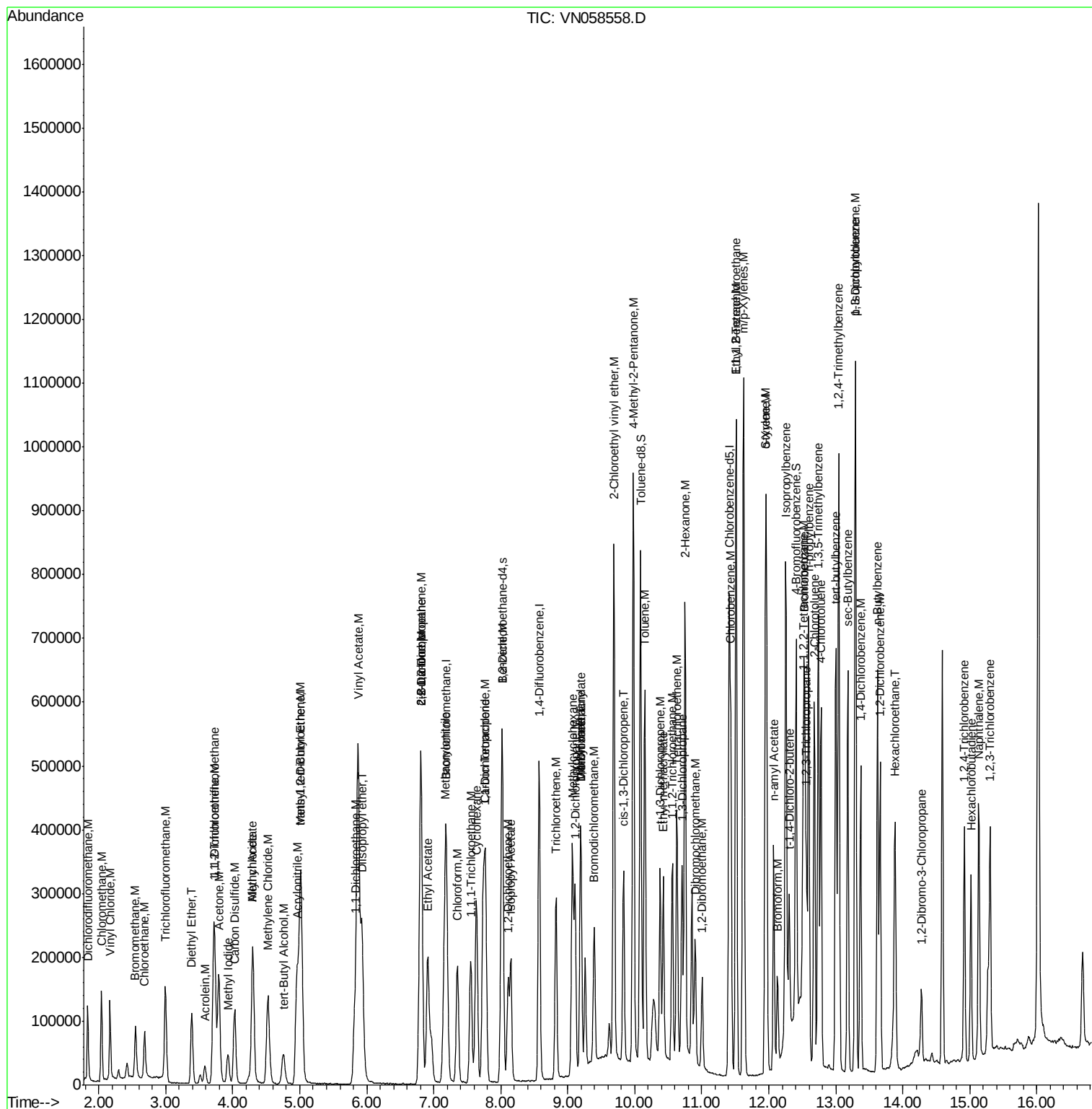
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100719\
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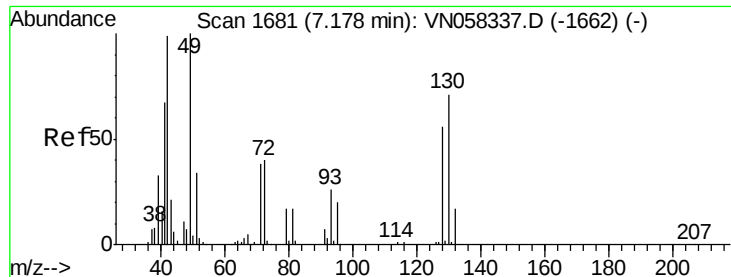
Instrument :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

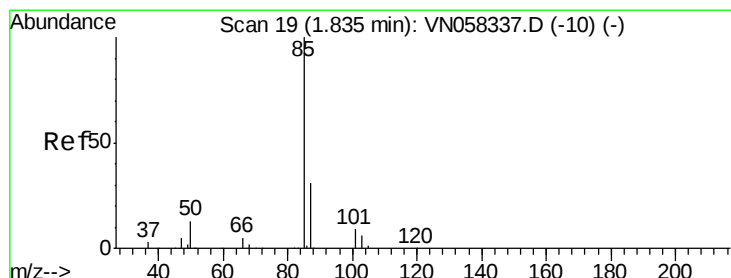
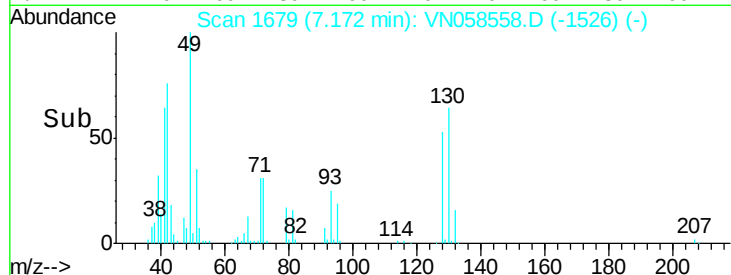
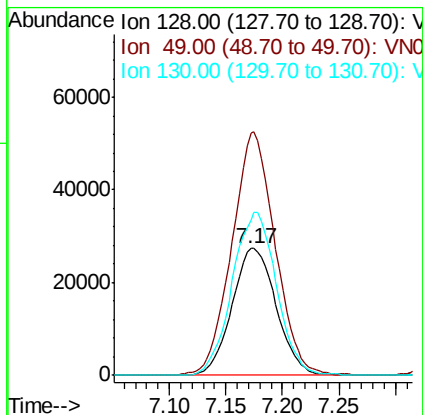
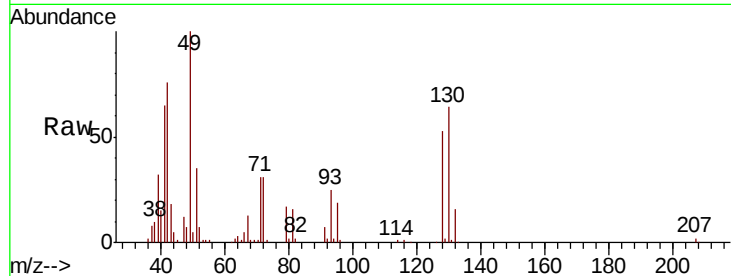
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	74360
Ion	Ratio	Lower	Upper
128	100		
49	187.7	0.0	458.5
130	129.1	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.288 ug/l

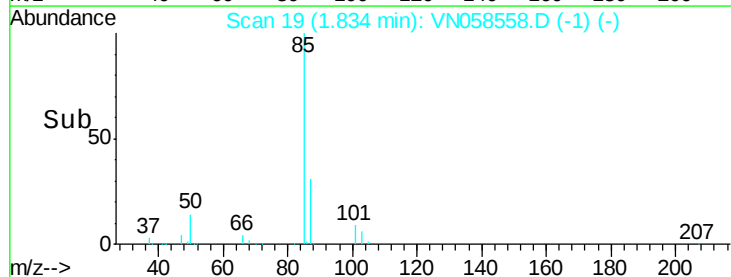
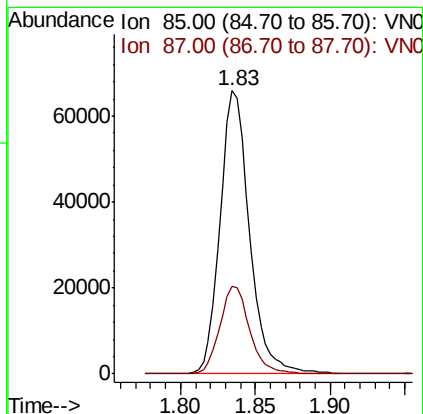
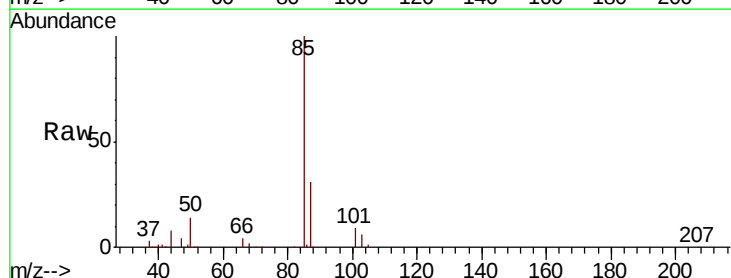
RT: 1.83 min Scan# 19

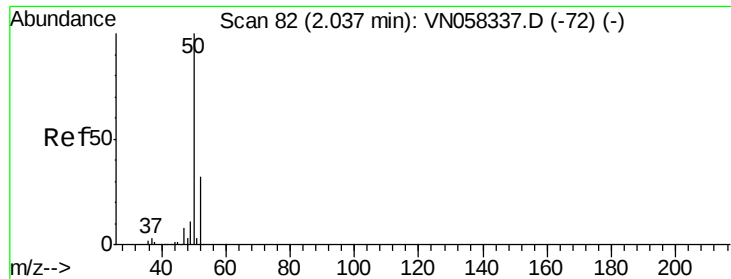
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	85	Resp:	90723
Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.5	46.5





#3

Chloromethane

Concen: 22.917 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 118326

Ion Ratio Lower Upper

50 100

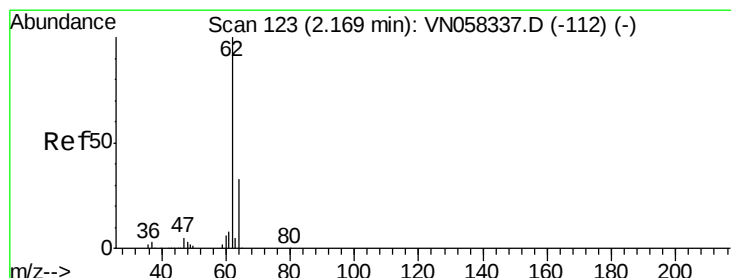
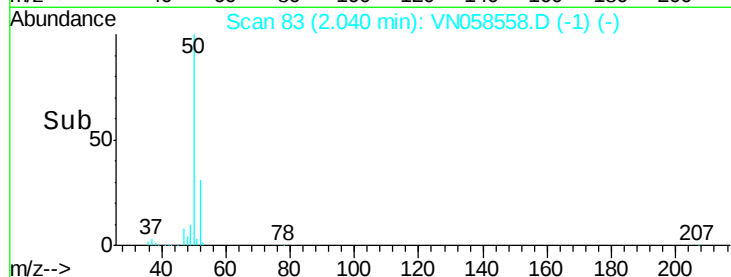
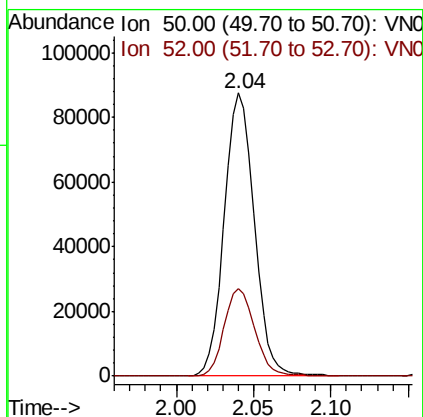
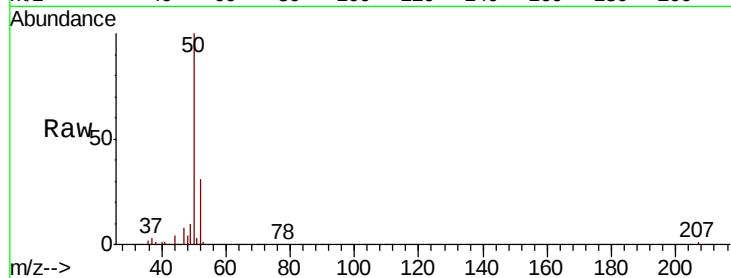
52 31.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.225 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058558.D

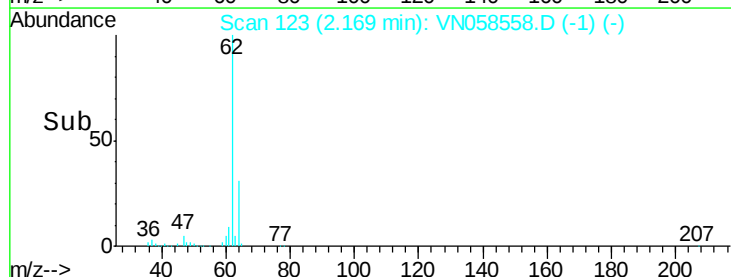
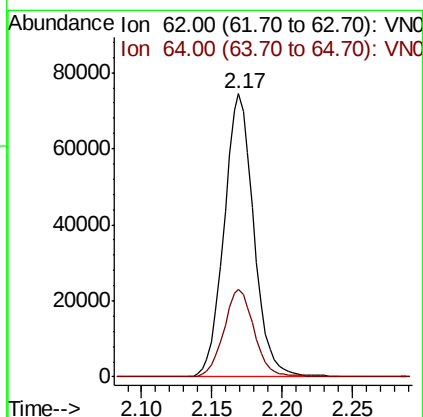
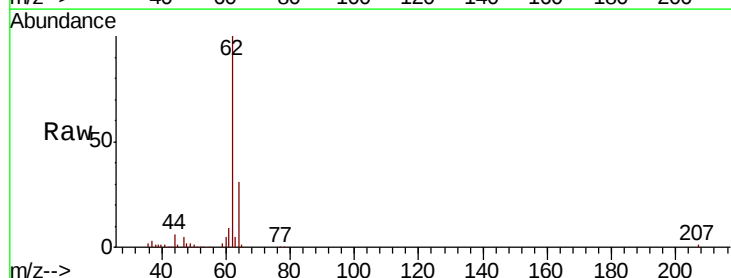
Acq: 7 Oct 2019 11:26

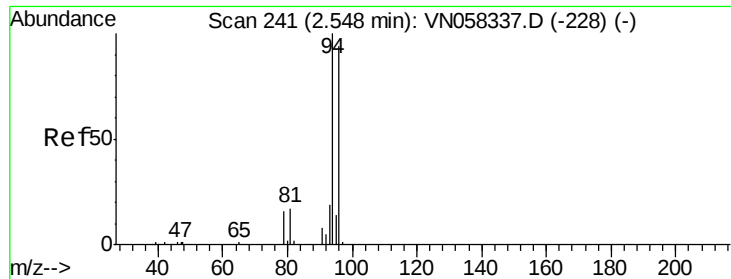
Tgt Ion: 62 Resp: 109355

Ion Ratio Lower Upper

62 100

64 30.9 26.6 40.0





#5

Bromomethane

Concen: 19.453 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 54420

Ion Ratio Lower Upper

94 100

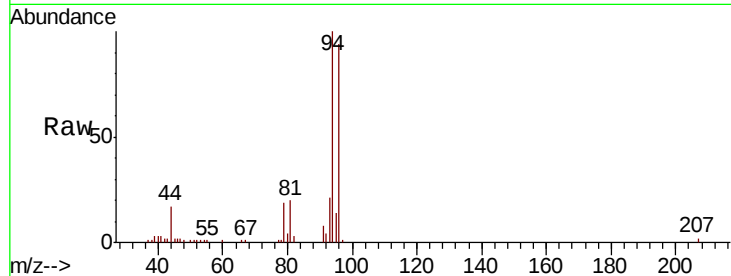
96 94.5 74.8 112.2

Manual Integrations

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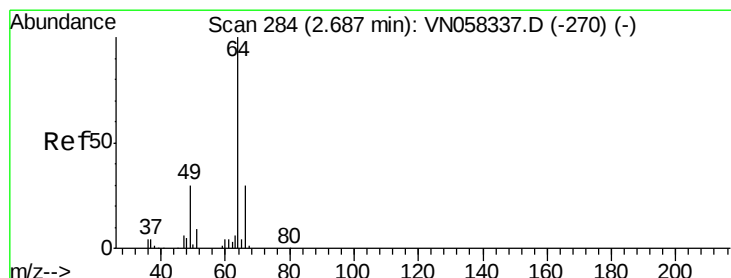
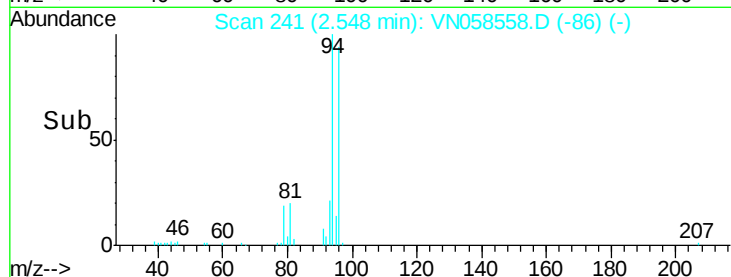
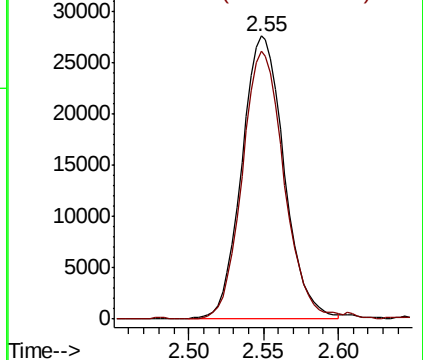
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 22.386 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058558.D

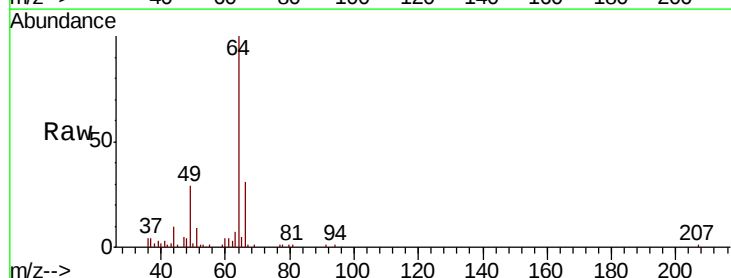
Acq: 7 Oct 2019 11:26

Tgt Ion: 64 Resp: 68160

Ion Ratio Lower Upper

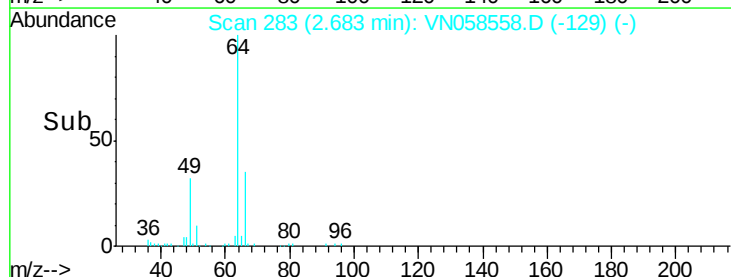
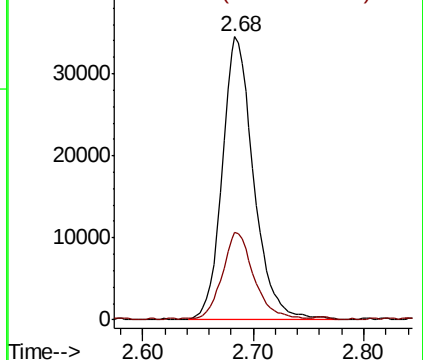
64 100

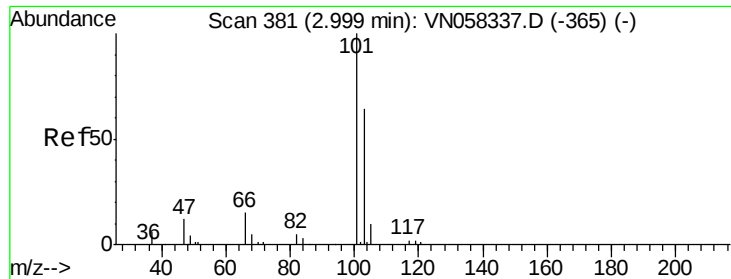
66 31.0 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

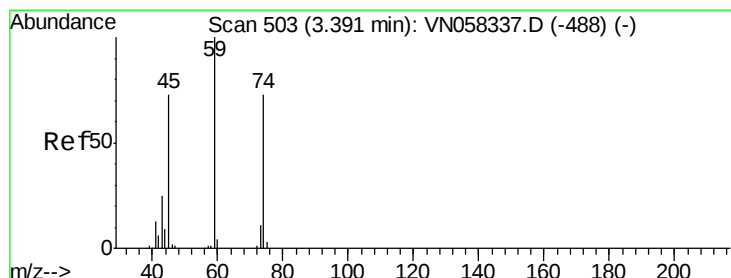
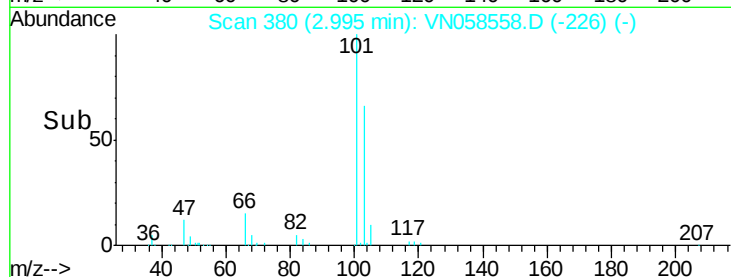
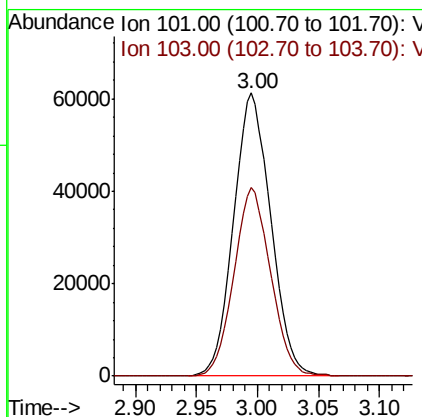
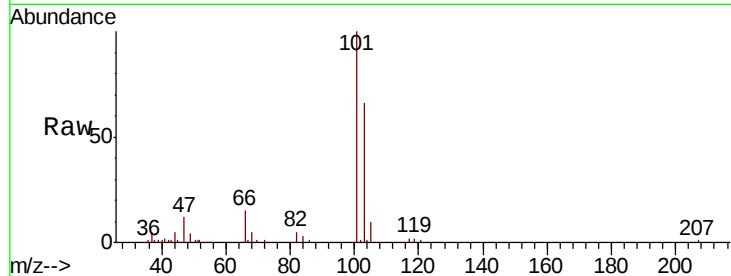
Trichlorofluoromethane
 Concen: 21.344 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		129480		
103	66.4	51.5	77.3		

Manual Integrations
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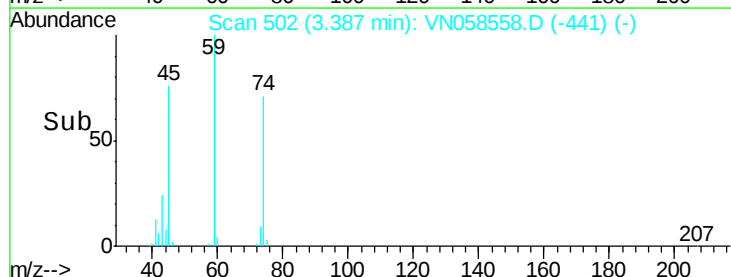
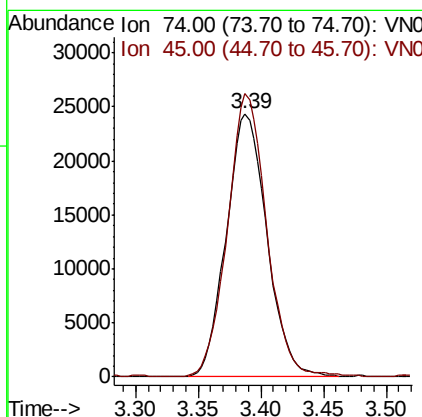
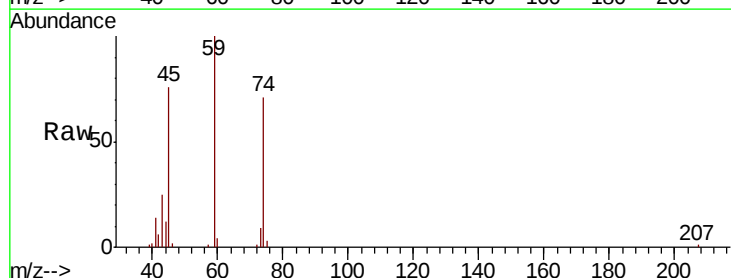
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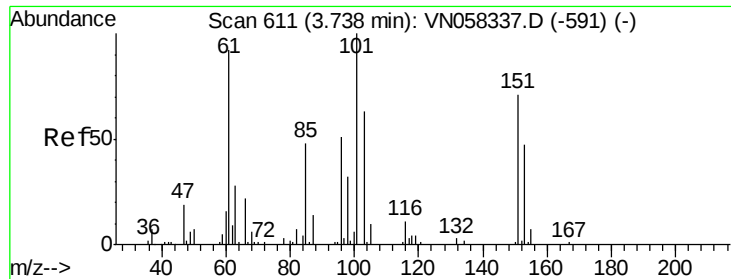


#8

Diethyl Ether
 Concen: 20.379 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54959		
45	103.1	20.8	187.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.048 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

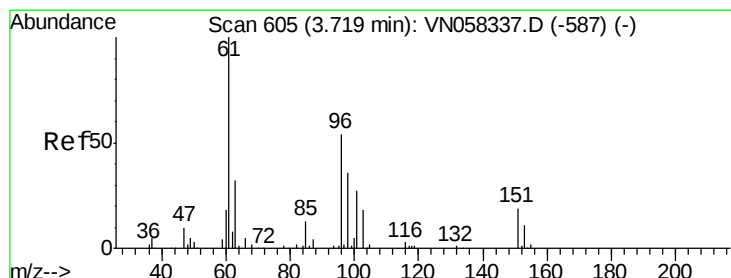
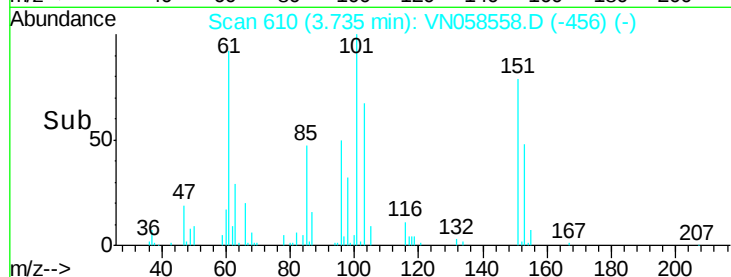
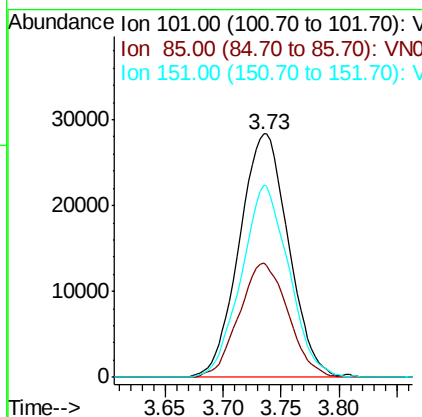
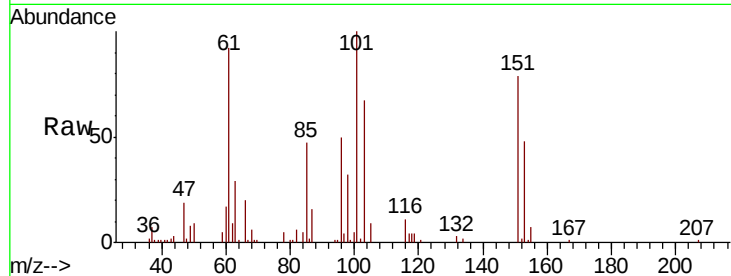
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	83716
Ion Ratio	Lower	Upper	
101	100		
85	46.5	0.0	93.0
151	76.1	0.0	147.2

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10/9/2019 10:50:16 AM



#10

1,1-Dichloroethene

Concen: 20.039 ug/l

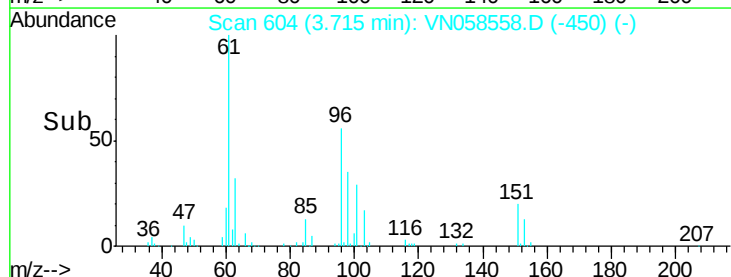
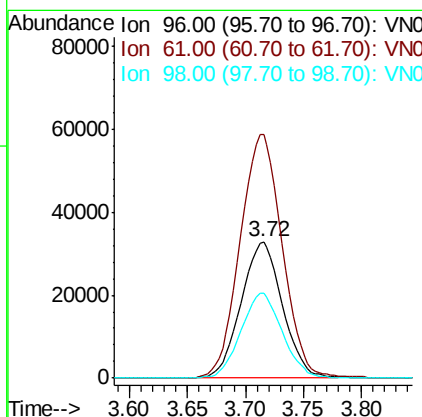
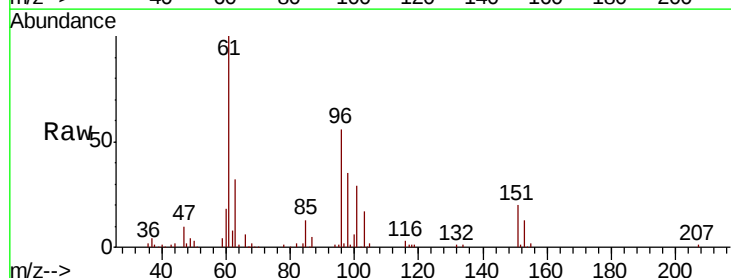
RT: 3.72 min Scan# 604

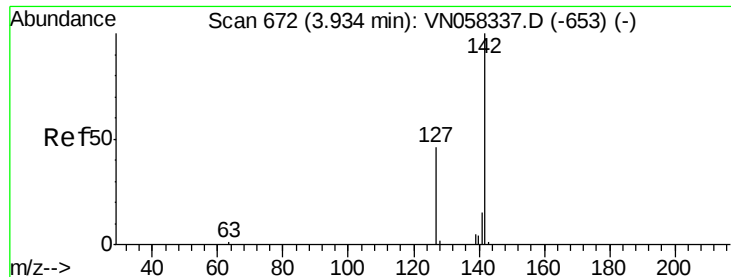
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	96	Resp:	81803
Ion Ratio	Lower	Upper	
96	100		
61	177.9	146.9	220.3
98	62.4	52.3	78.5





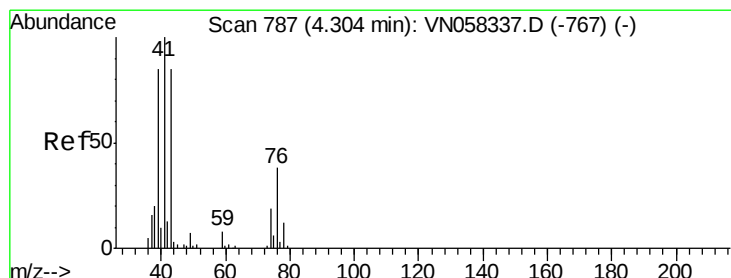
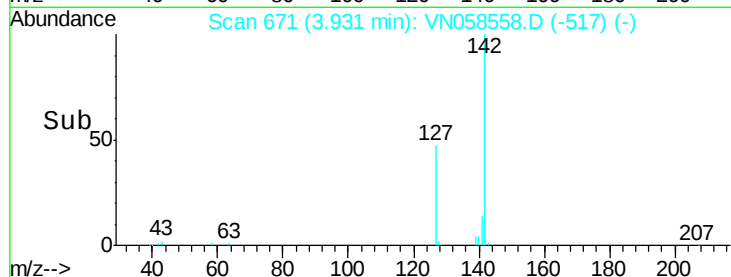
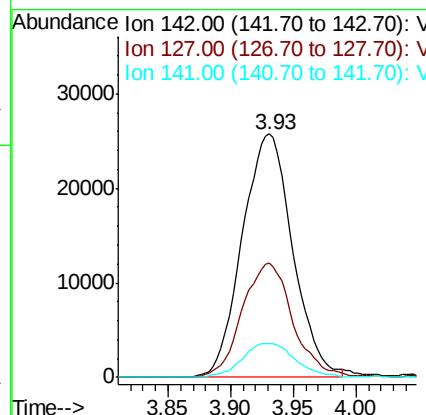
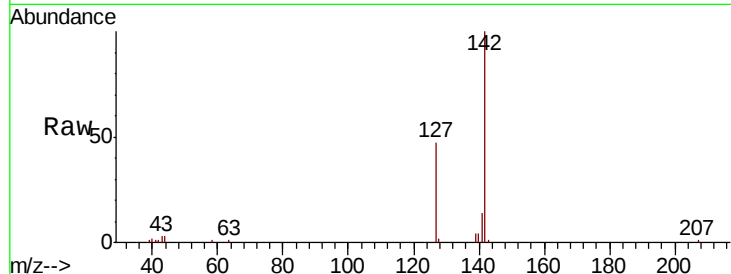
#11
Methvl Iodide
Concen: 17.177 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.7	22.9	68.7
141	14.2	7.4	22.3

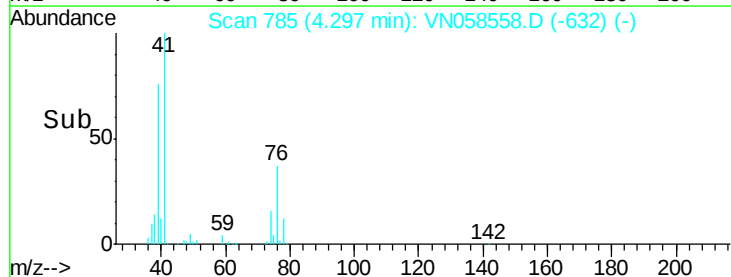
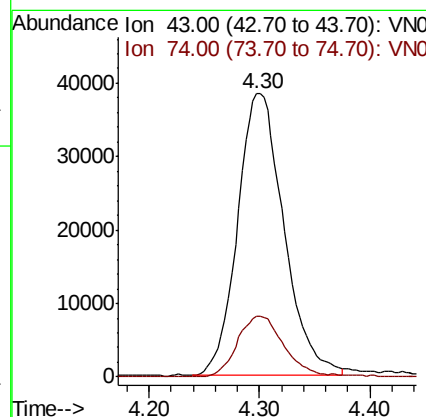
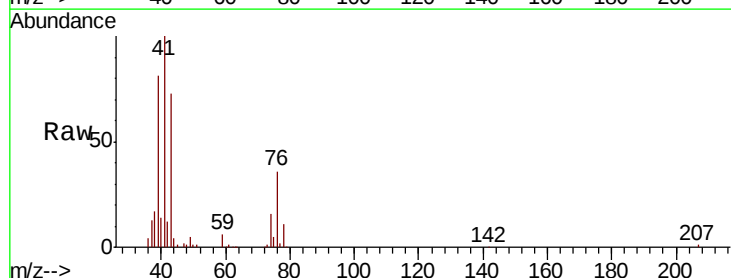
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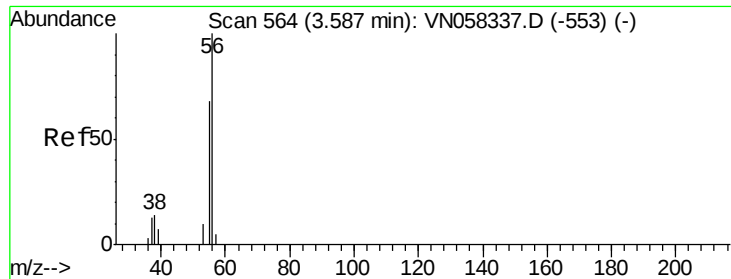
MMDadoda
10/9/2019 10:50:16 AM



#12
Methyl Acetate
Concen: 20.477 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.8	26.6





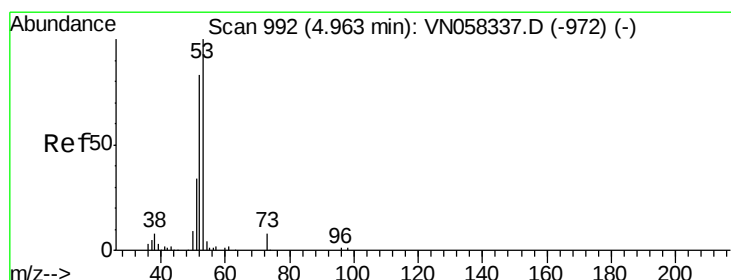
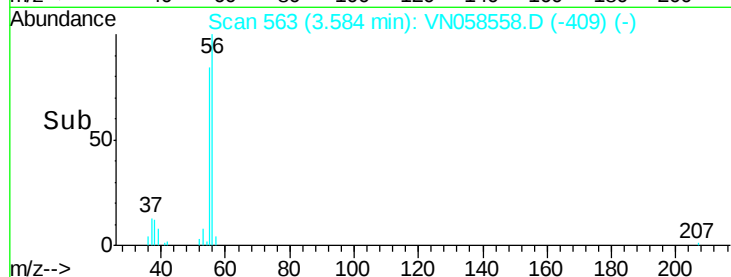
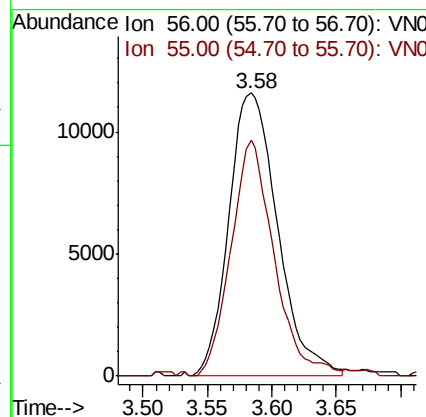
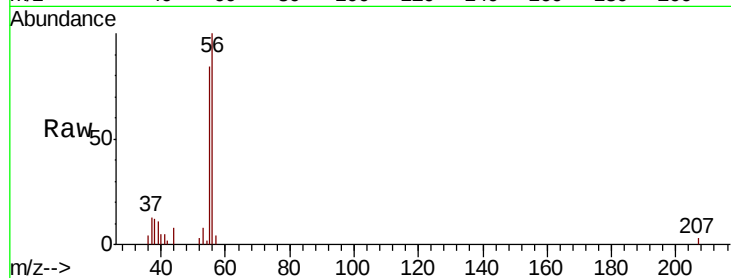
#13
Acrolein
Concen: 197.831 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 56 Resp: 30585
Ion Ratio Lower Upper
56 100
55 72.2 58.4 87.6

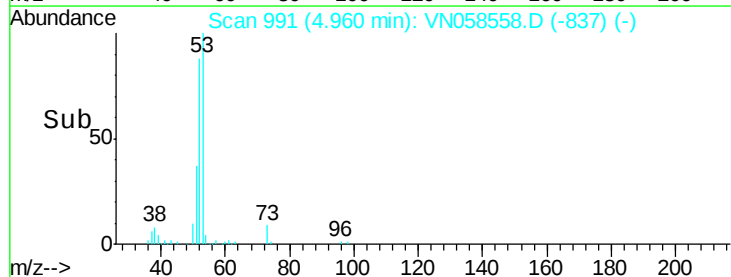
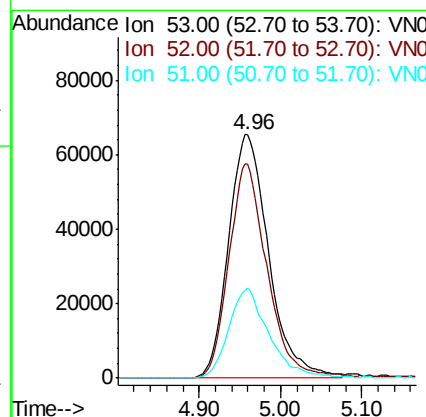
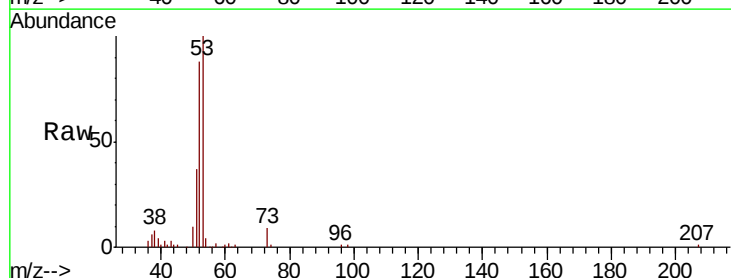
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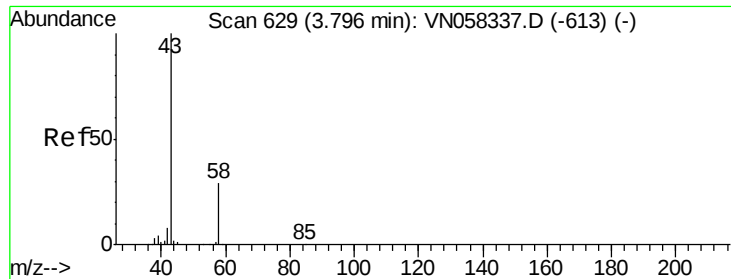
MMDadoda
10/9/2019 10:50:16 AM



#14
Acrylonitrile
Concen: 100.270 ug/l
RT: 4.96 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 53 Resp: 225098
Ion Ratio Lower Upper
53 100
52 83.3 41.3 123.7
51 36.8 18.3 54.8





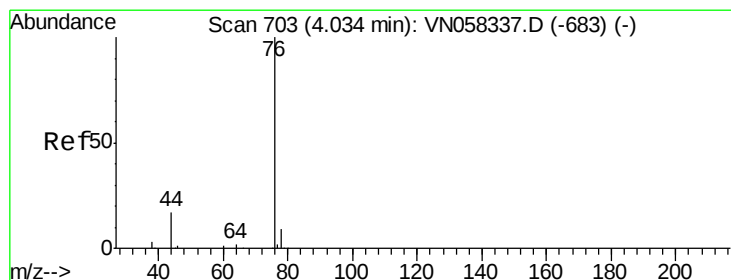
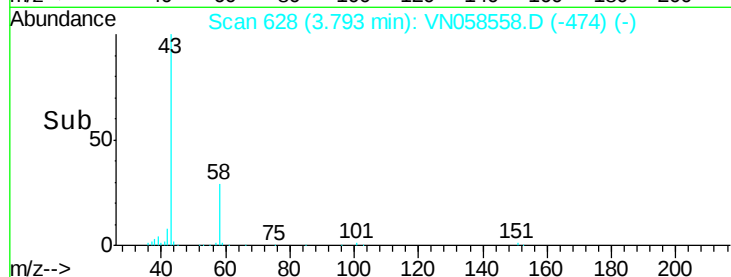
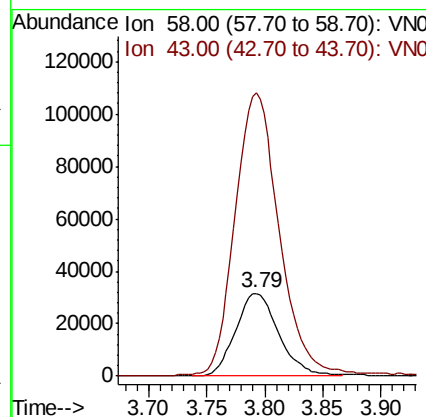
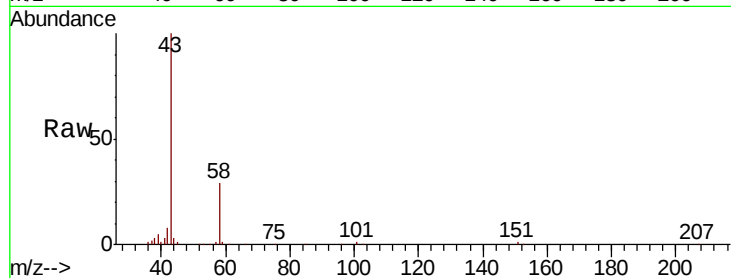
#15
Acetone
Concen: 131.591 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 58 Resp: 81910
Ion Ratio Lower Upper
58 100
43 339.4 272.6 409.0

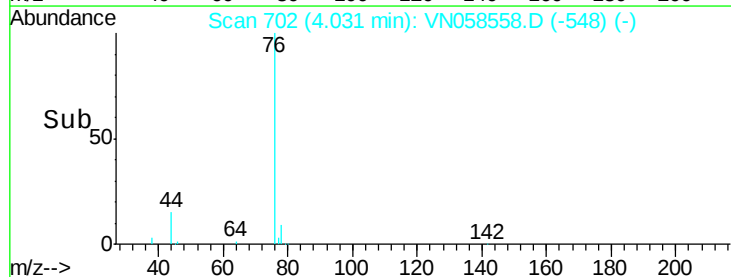
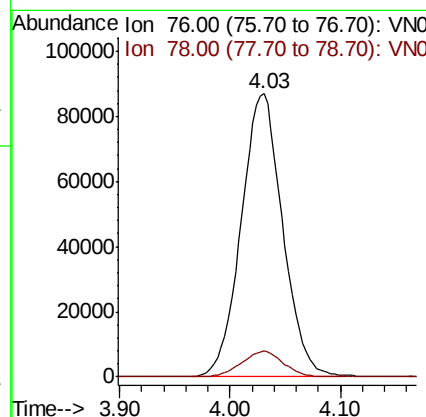
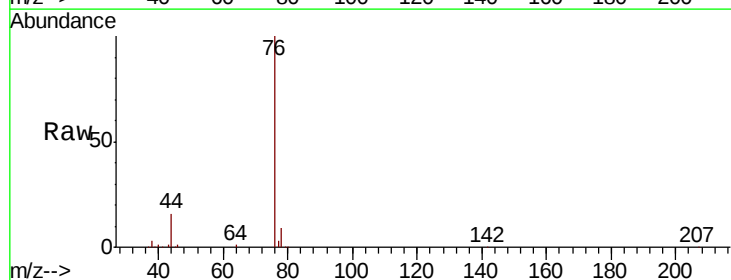
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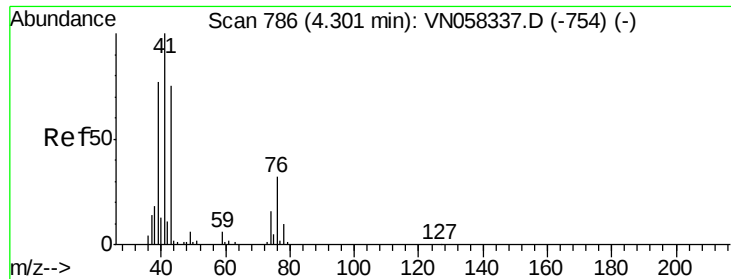
MMDadoda
10/9/2019 10:50:16 AM



#16
Carbon Disulfide
Concen: 19.949 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 76 Resp: 226303
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2





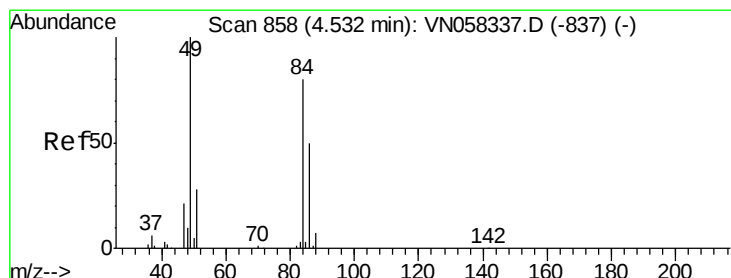
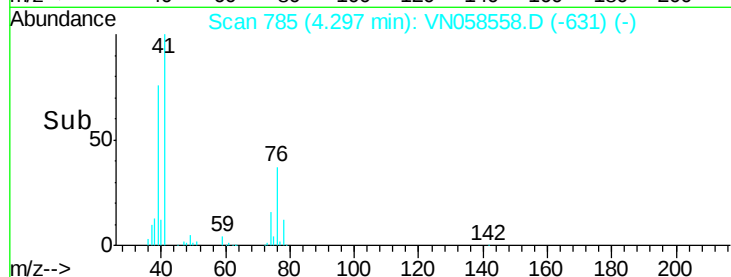
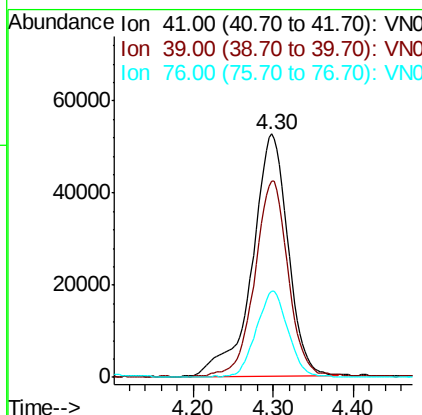
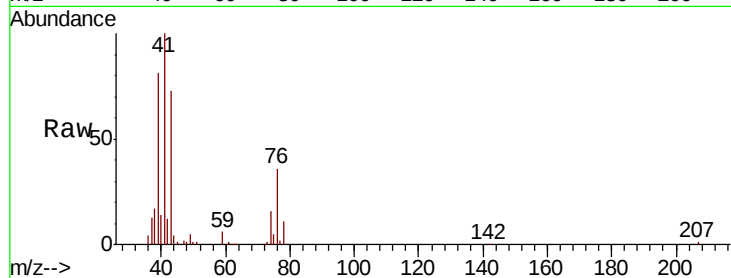
#17
Allvl chloride
Concen: 21.252 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.1	38.7	116.1
76	35.7	16.4	49.1

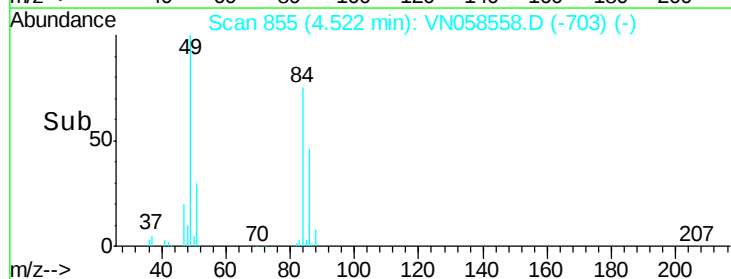
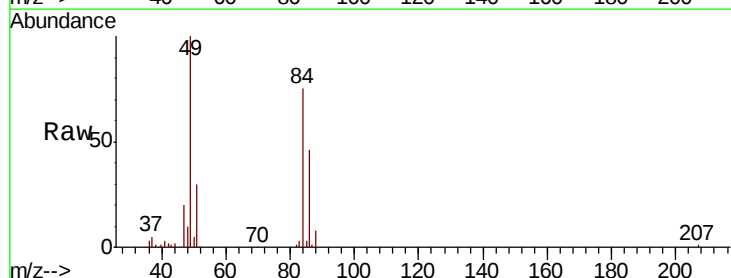
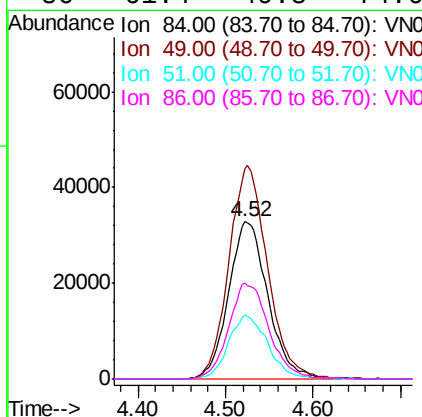
Manual Integrations
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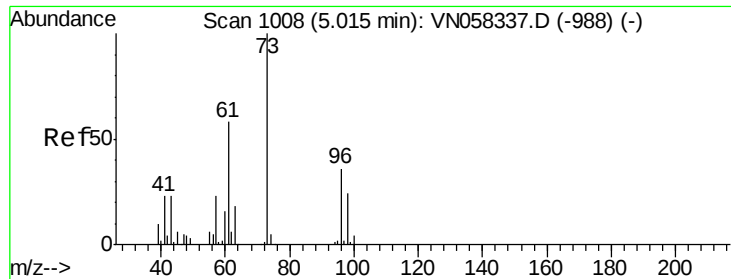
MMDadoda
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#18
Methylene Chloride
Concen: 21.231 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.9	99.8	149.6
51	40.4	28.3	42.5
86	61.4	49.8	74.6





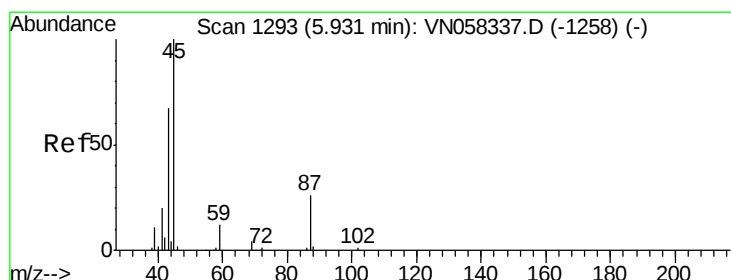
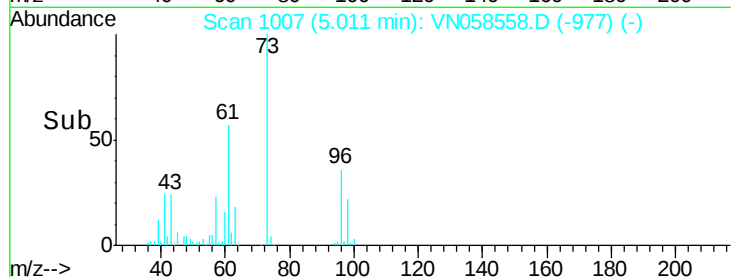
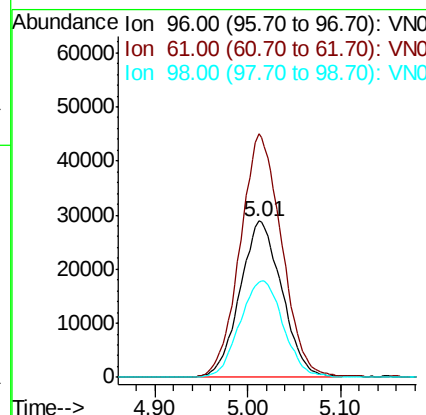
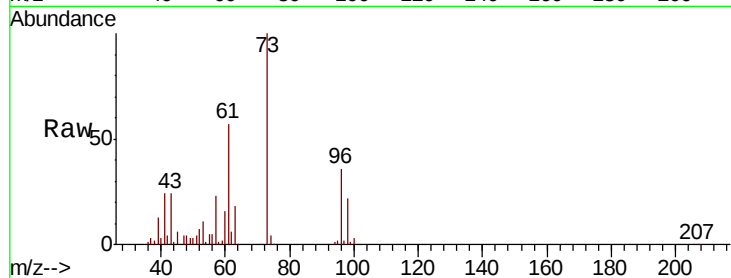
#19
trans-1,2-Dichloroethene
Concen: 19.867 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	128.0	192.0
98	60.6	53.0	79.6

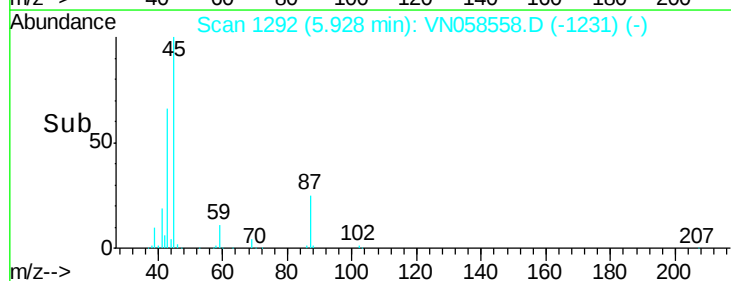
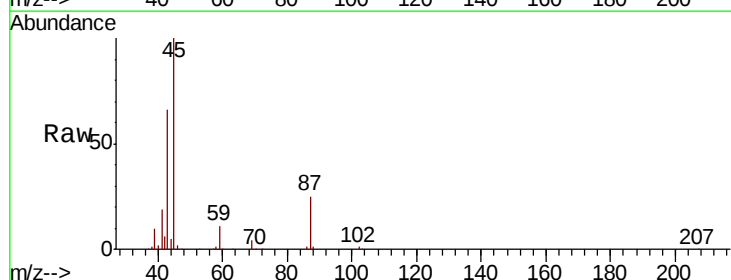
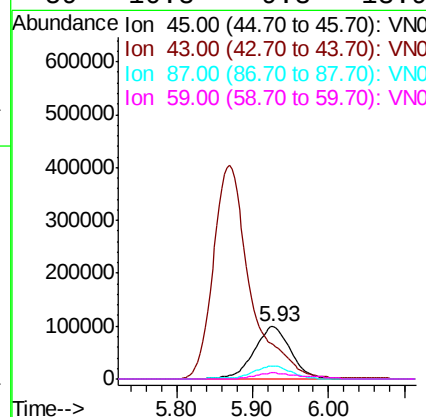
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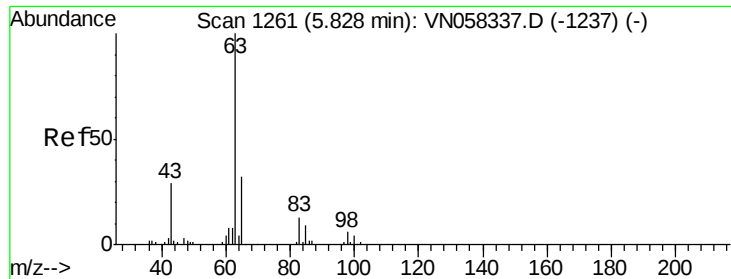
MMDadoda
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#20
Diisopropyl ether
Concen: 20.418 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	54.1	81.1
87	25.3	21.4	32.2
59	10.8	9.3	13.9





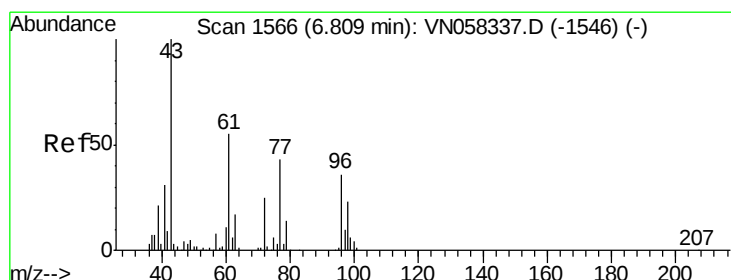
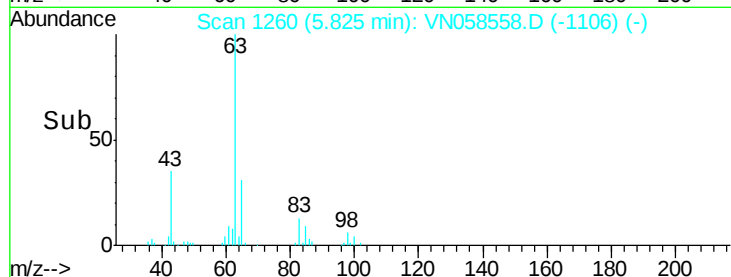
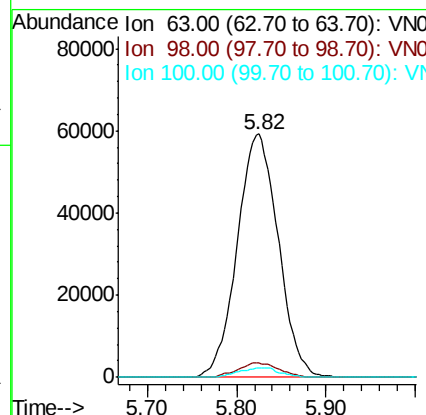
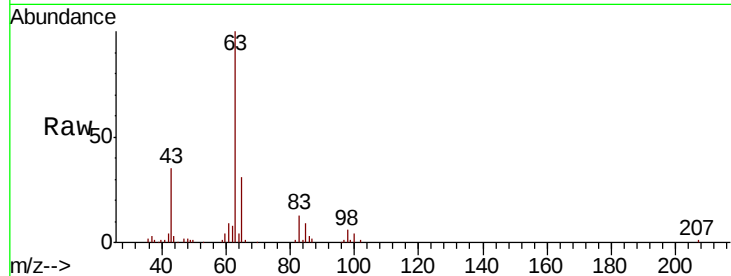
#21
 1,1-Dichloroethane
 Concen: 20.769 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.8	3.0	9.2
100	4.1	2.1	6.5

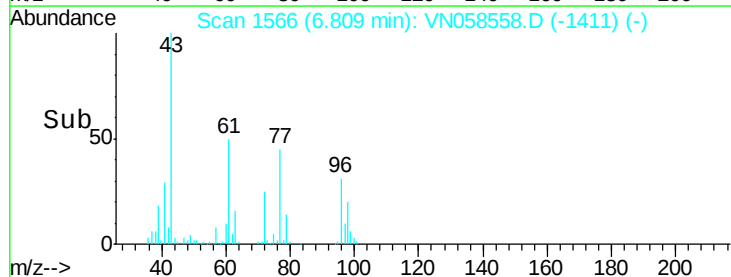
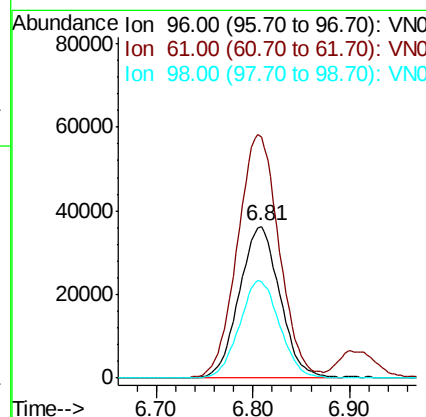
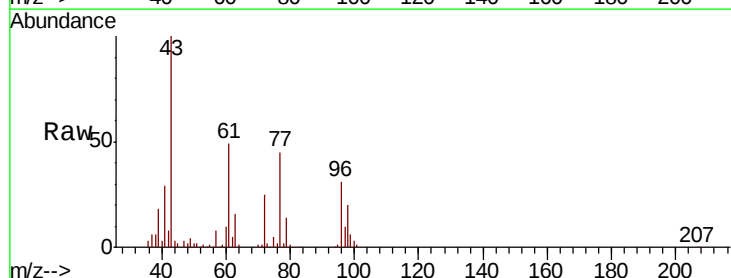
Manual Integrations
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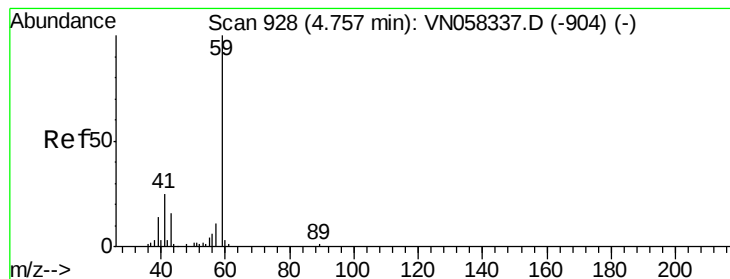
MMDadoda
 10/9/2019 10:50:16 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.913 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	165.0	128.2	192.2
98	63.5	50.6	76.0





#23

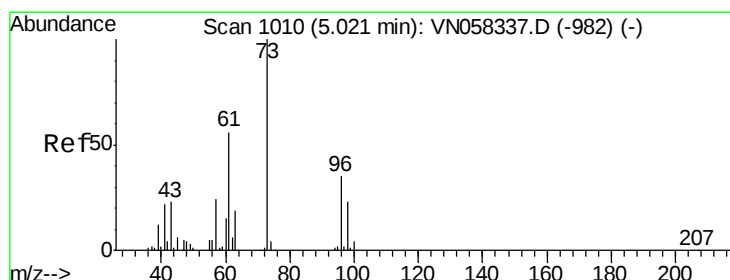
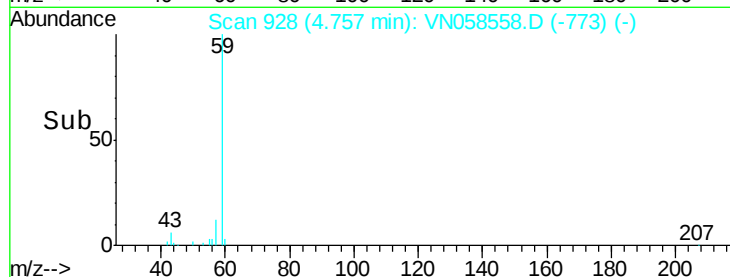
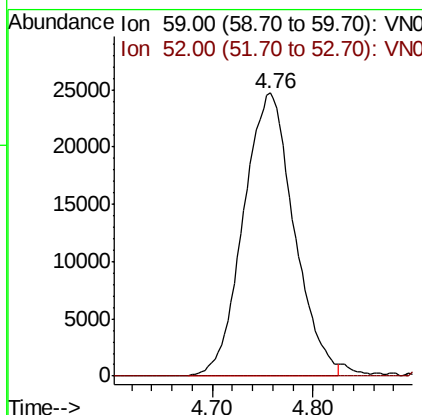
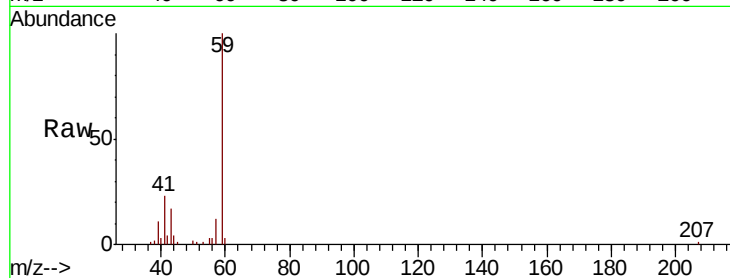
tert-Butyl Alcohol
 Concen: 103.897 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
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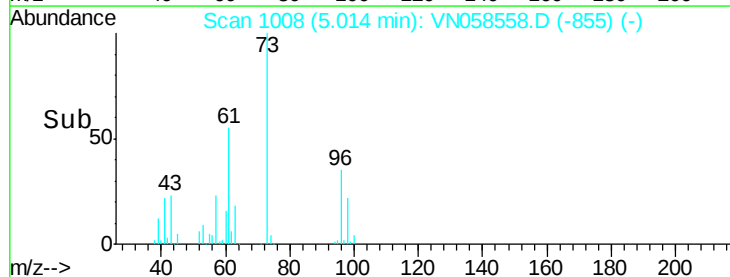
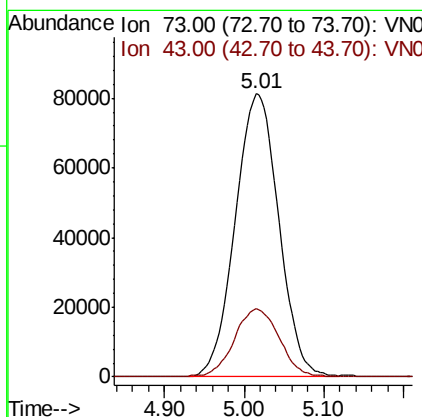
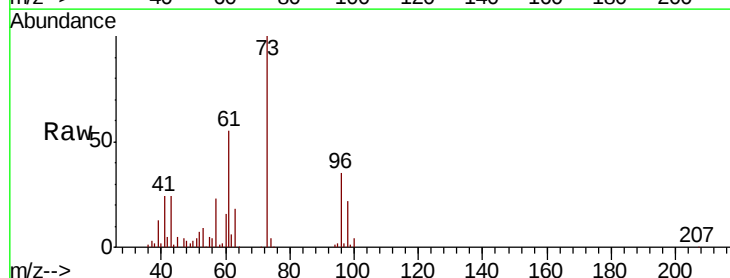
MMDadoda
 10/9/2019 10:50:16 AM

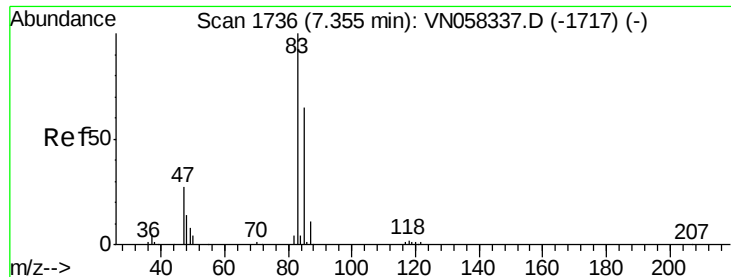


#24

Methyl tert-Butyl Ether
 Concen: 20.546 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.2	18.4	27.6





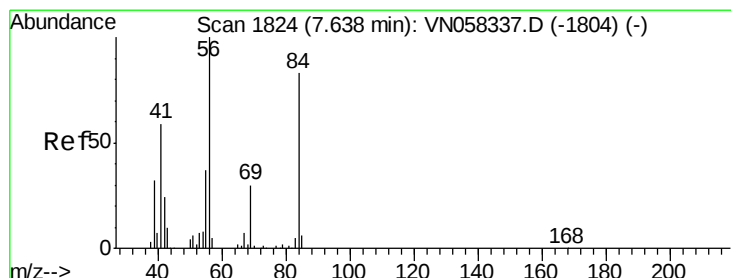
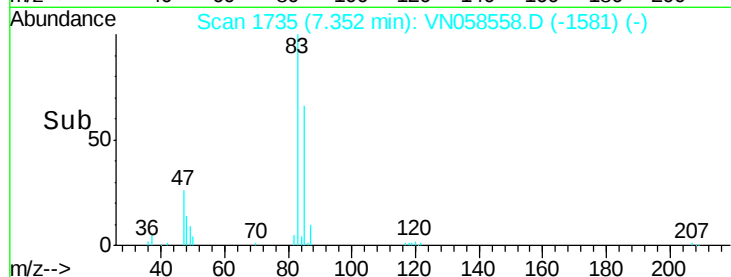
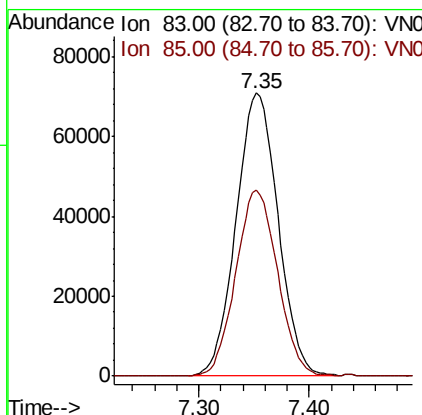
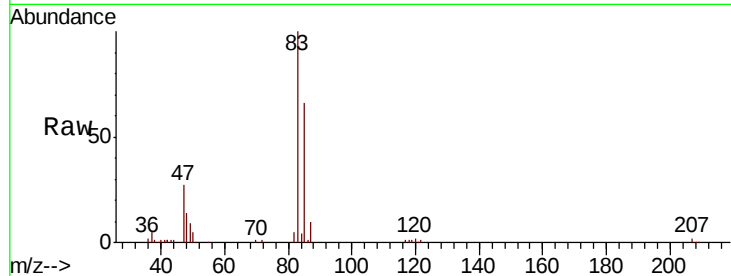
#25
Chloroform
Concen: 20.337 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	187227
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.8	77.6

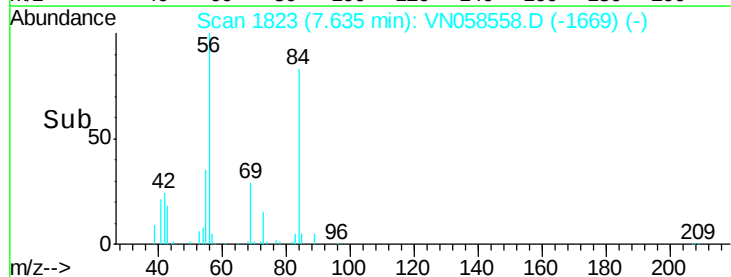
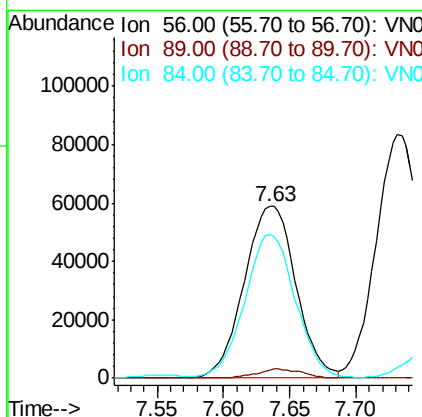
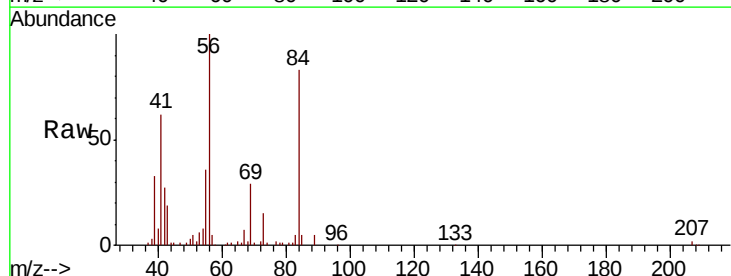
Manual Integrations
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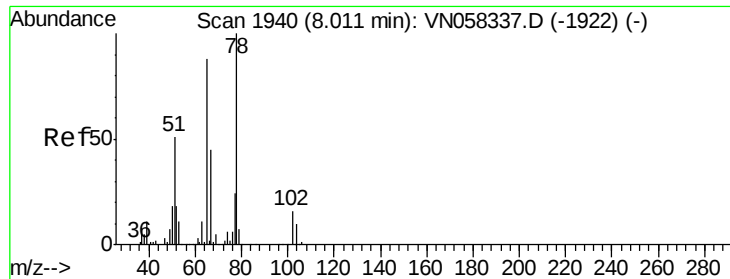
MMDadoda
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#26
Cyclohexane
Concen: 18.905 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	56	Resp	160654
Ion Ratio	100	Lower	Upper
56	100		
89	4.6	0.1	0.1#
84	81.9	66.9	100.3





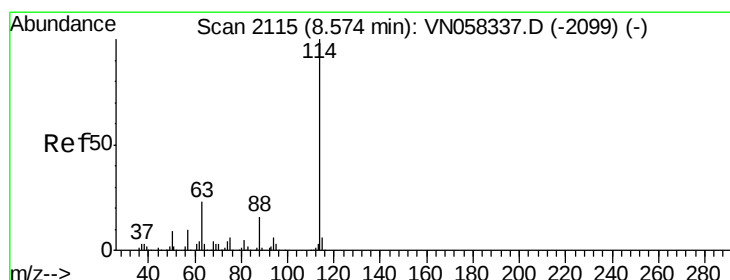
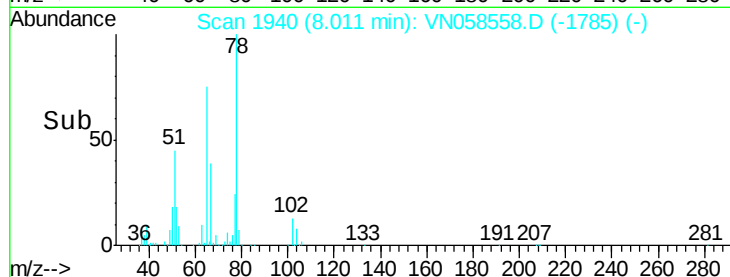
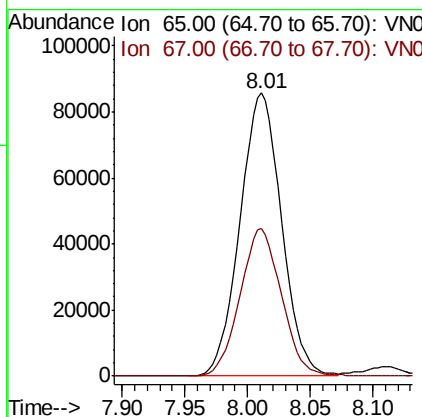
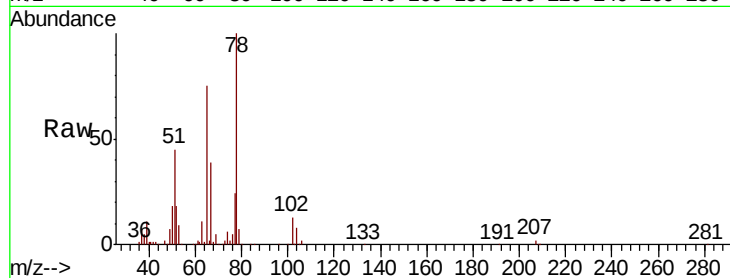
#27
 1,2-Dichloroethane-d4
 Concen: 30.080 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 197726
 Ion Ratio Lower Upper
 65 100
 67 51.8 40.4 60.6

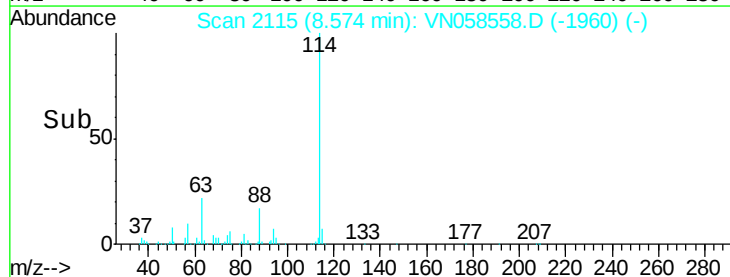
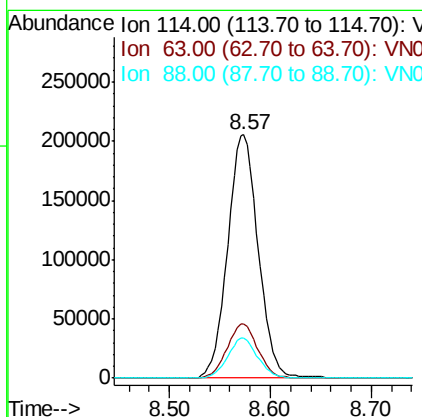
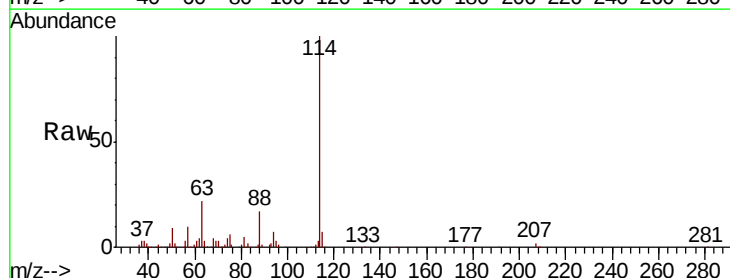
Manual Integrations
 APPROVED

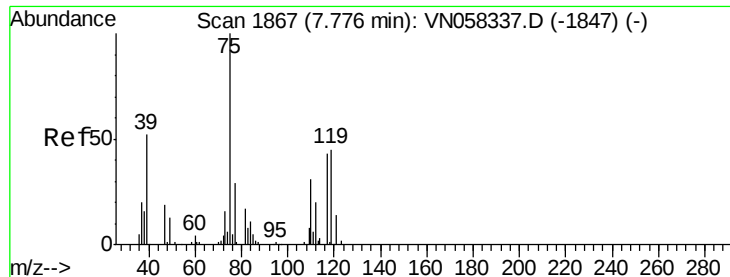
MMDadoda
 10/9/2019 10:50:16 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion: 114 Resp: 433446
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.8 26.8
 88 16.1 12.7 19.1





#29

1,1-Dichloropropene

Concen: 19.680 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

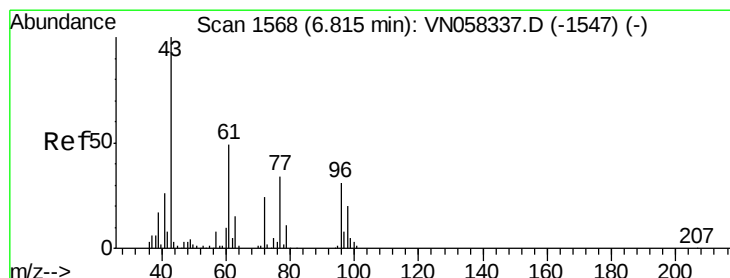
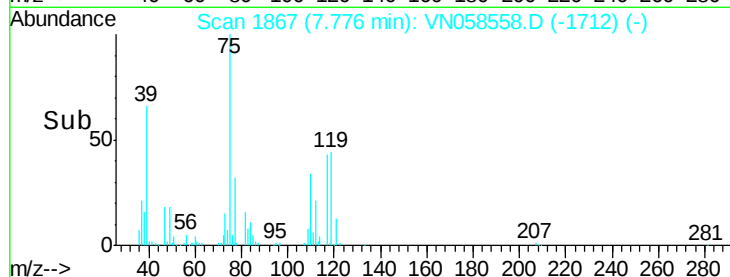
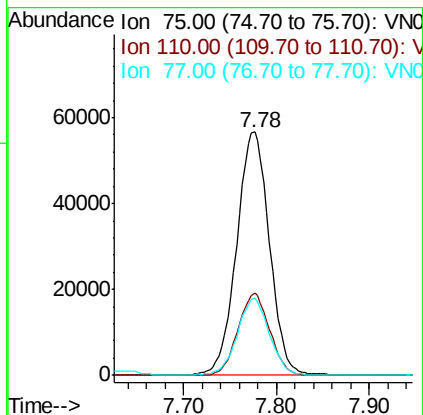
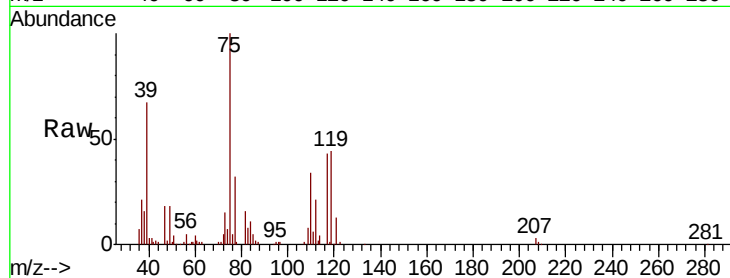
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	139238
Ion Ratio	Lower	Upper	
75	100		
110	32.4	0.0	63.6
77	30.9	0.0	59.4

Manual Integrations
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#30

2-Butanone

Concen: 105.825 ug/l

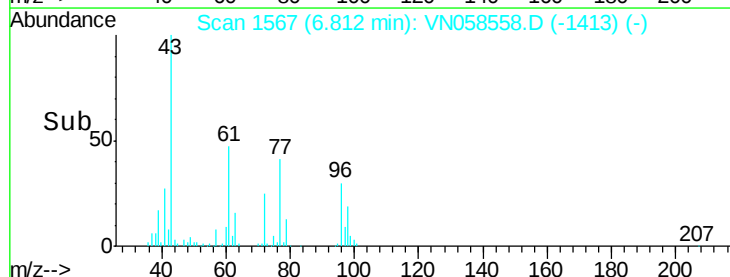
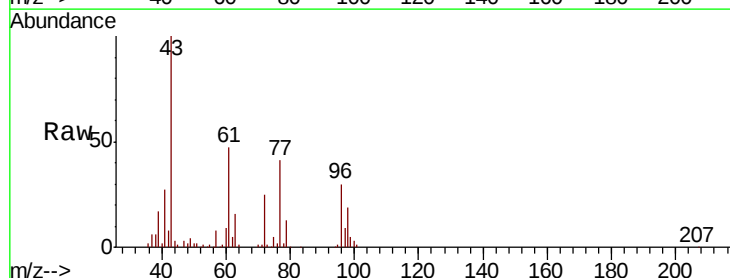
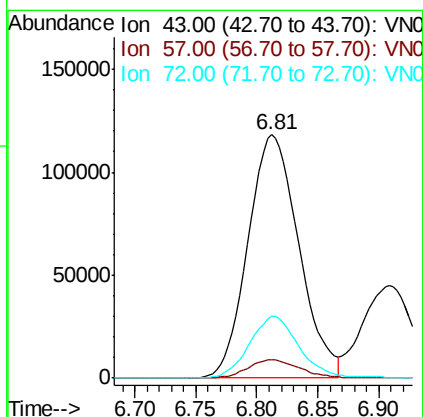
RT: 6.81 min Scan# 1567

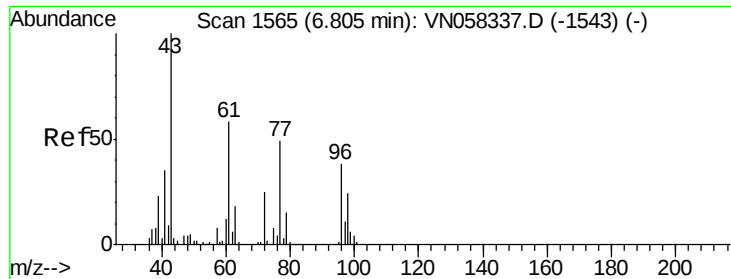
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	43	Resp:	339973
Ion Ratio	Lower	Upper	
43	100		
57	7.7	6.2	9.4
72	24.8	20.3	30.5





#31

2,2-Dichloropropane

Concen: 23.526 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 171365

Ion Ratio Lower Upper

77 100

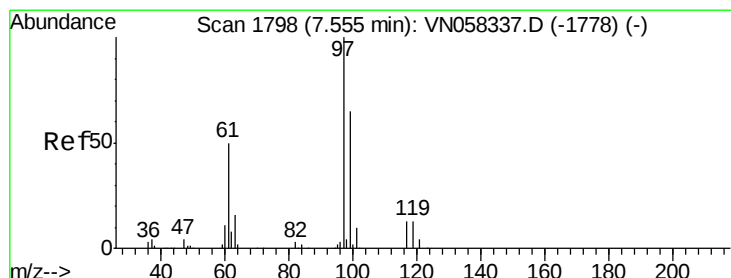
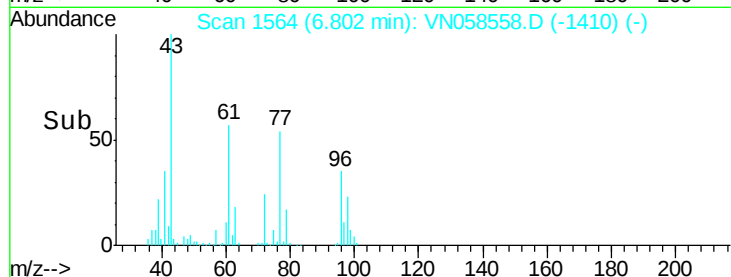
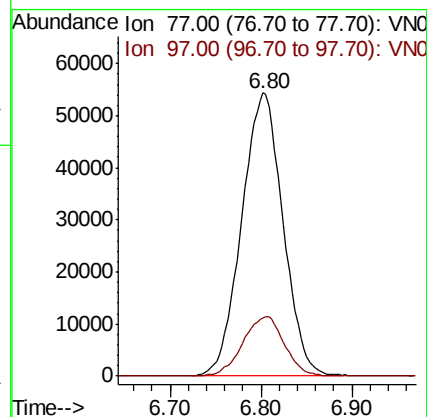
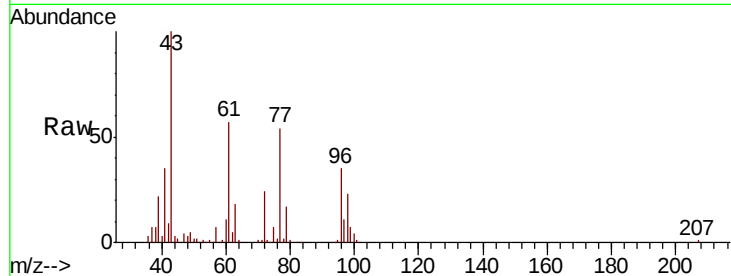
97 21.1 17.6 26.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.982 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

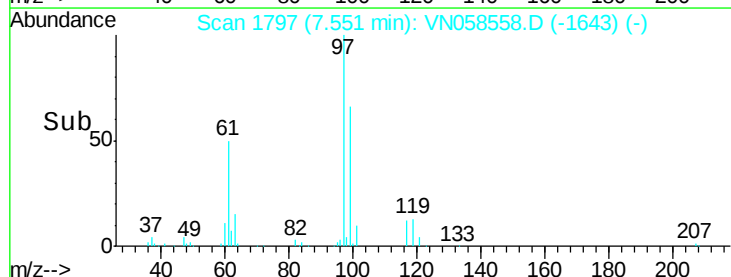
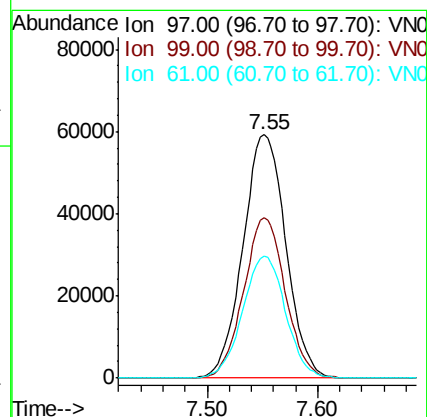
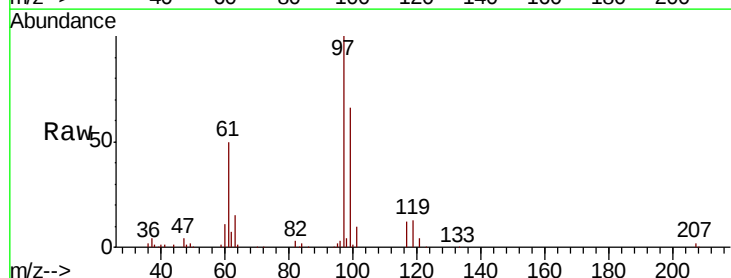
Tgt Ion: 97 Resp: 160118

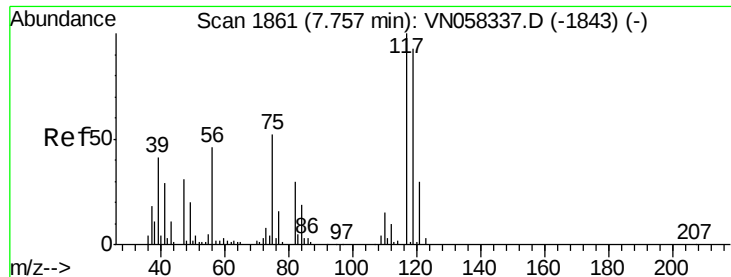
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

61 50.1 39.4 59.2





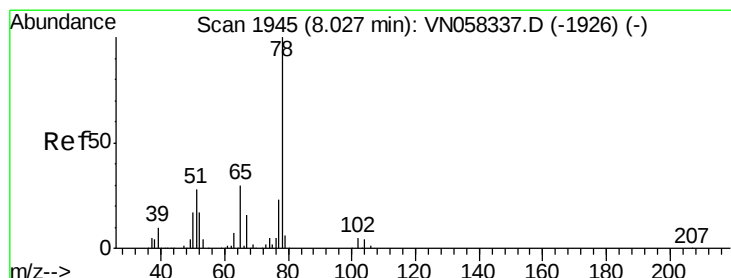
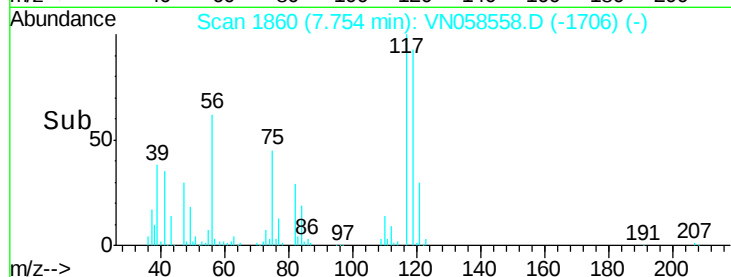
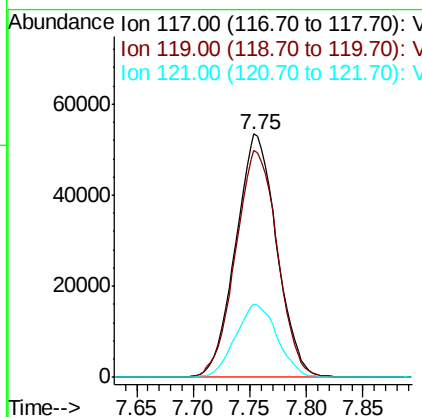
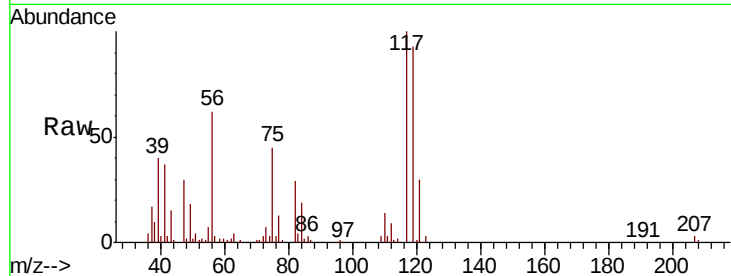
#33
Carbon Tetrachloride
Concen: 20.805 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.2	111.4
121	30.0	23.9	35.9

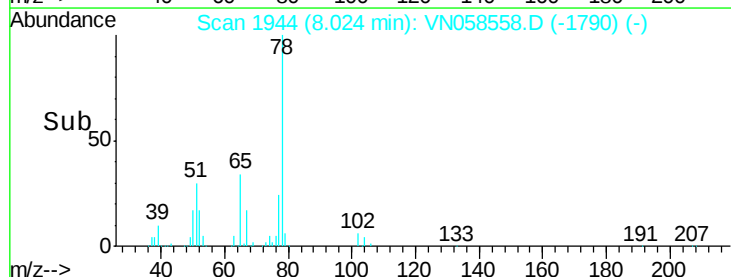
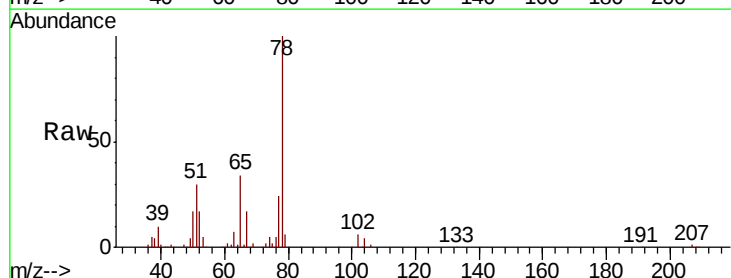
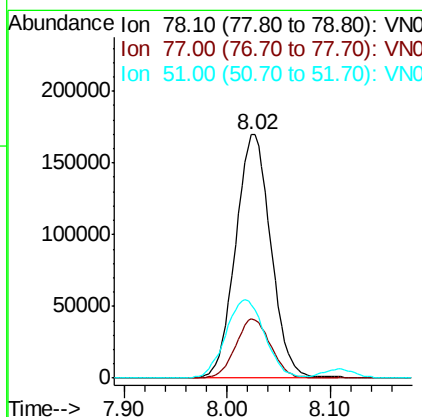
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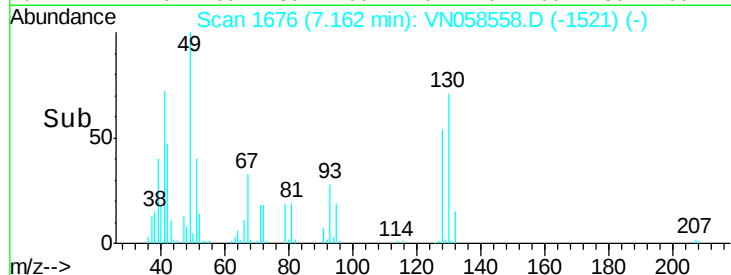
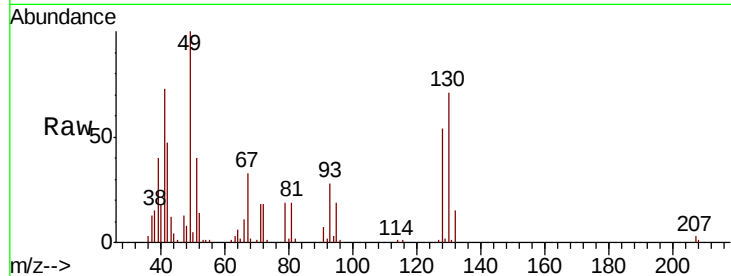
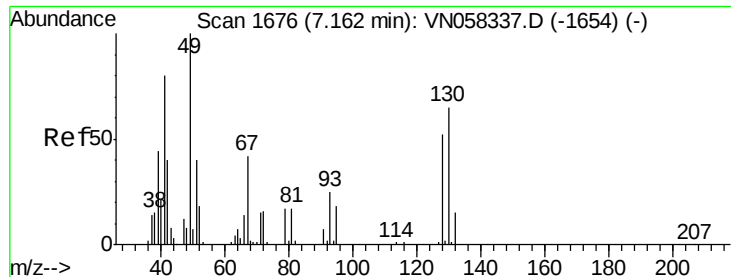
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#34
Benzene
Concen: 20.138 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2
51	30.2	22.4	33.6





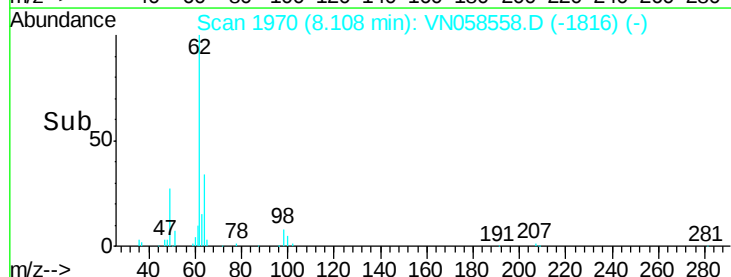
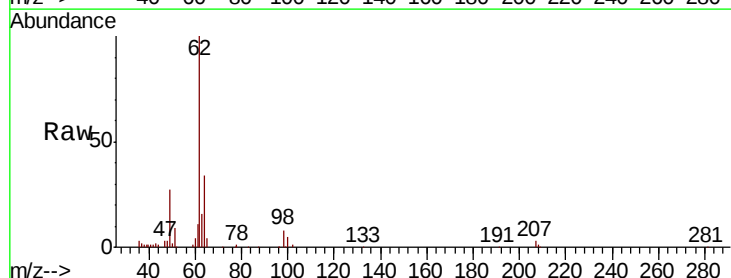
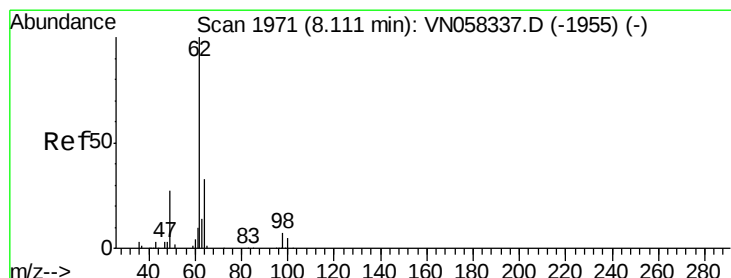
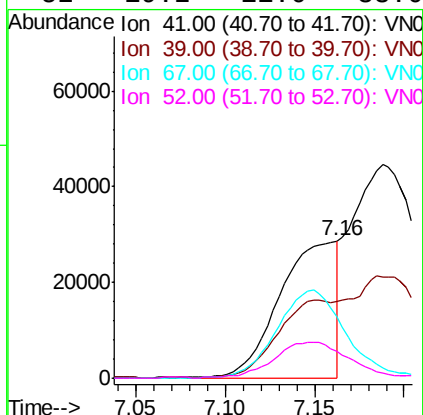
#35
Methacrylonitrile
Concen: 23.072 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tot Ion	41	Resp	63753
Ion	Ratio	Lower	Upper
41	100		
39	55.5	27.3	81.9
67	44.6	26.3	78.9
52	19.2	11.0	33.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

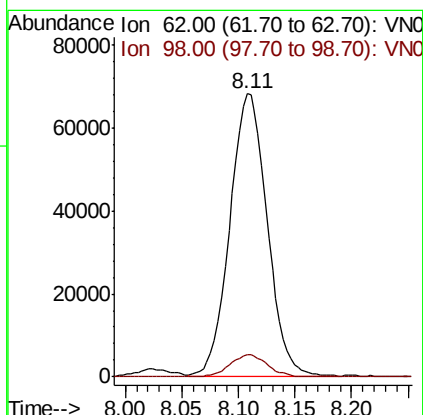
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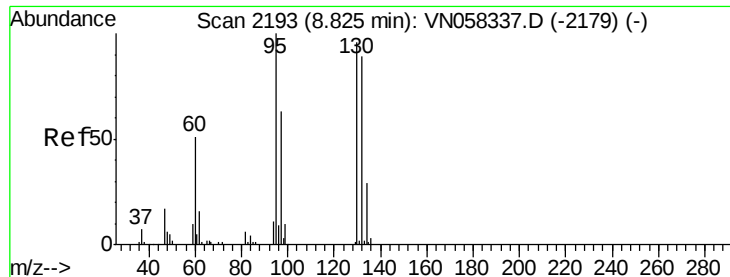
MMDadoda
10/9/2019 10:50:16 AM



#36
1,2-Dichloroethane
Concen: 20.018 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	62	Resp	157389
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.0	9.0





#37

Trichloroethene

Concen: 20.081 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 100901

Ion Ratio Lower Upper

130 100

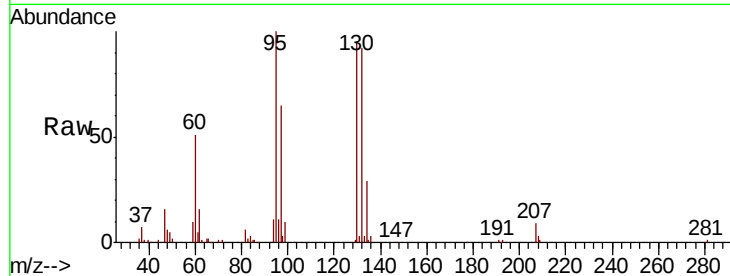
95 105.4 83.3 124.9

Manual Integrations

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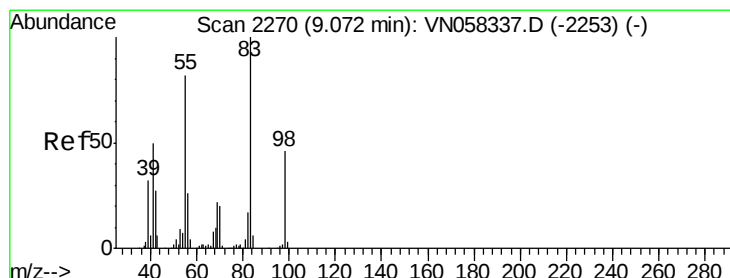
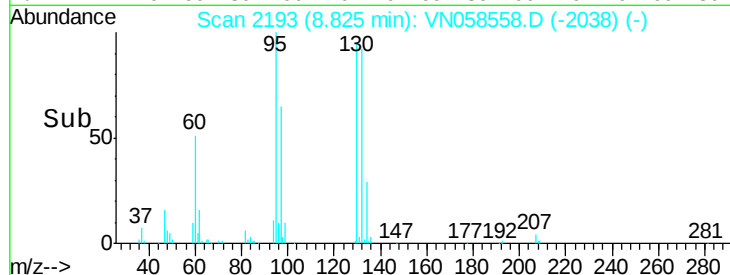


Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

Time-->



#38

Methylcyclohexane

Concen: 17.847 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

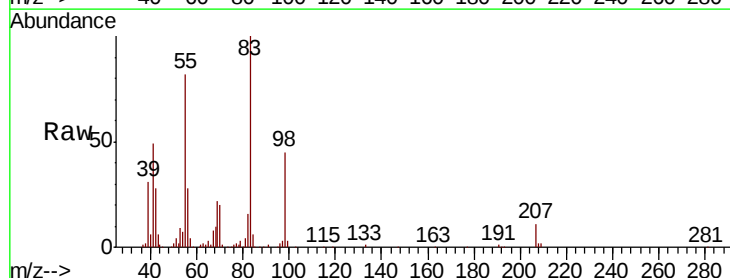
Tgt Ion: 83 Resp: 152693

Ion Ratio Lower Upper

83 100

55 80.6 40.5 121.4

98 44.7 23.1 69.2



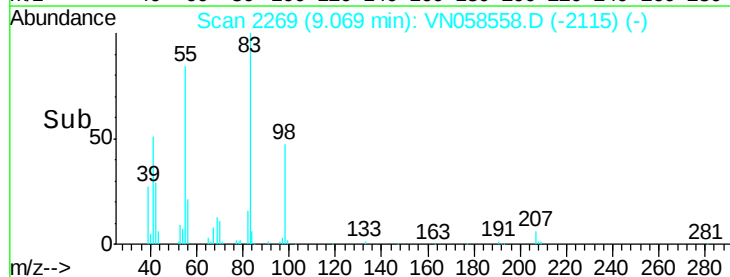
Abundance Ion 83.00 (82.70 to 83.70): VN

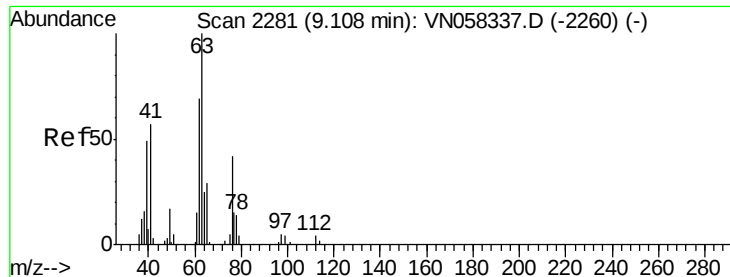
Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.07

Time-->





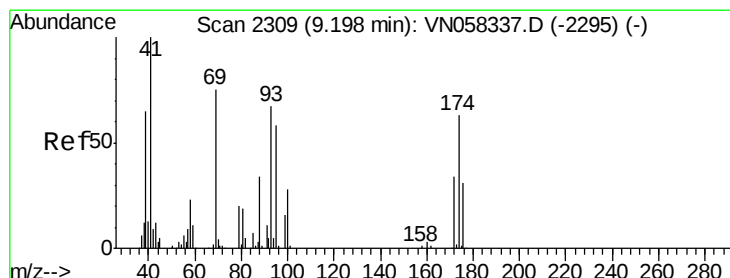
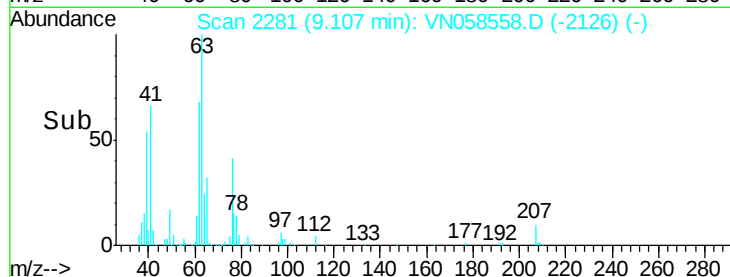
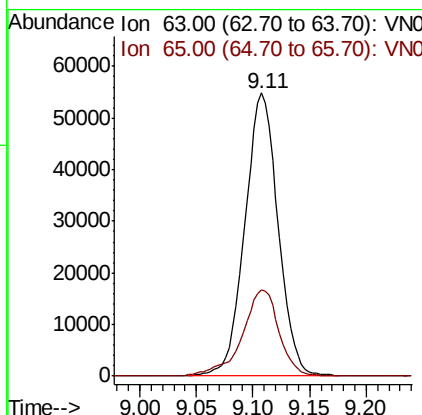
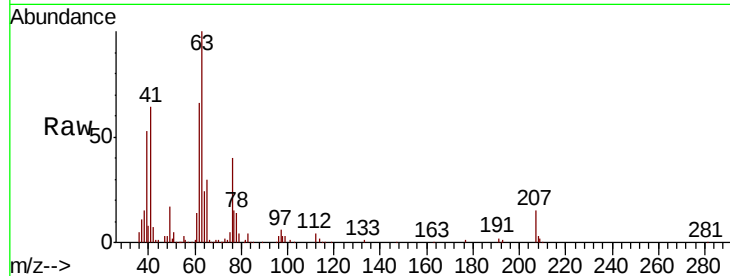
#39
 1,2-Dichloropropane
 Concen: 20.490 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	112176
Ion Ratio	Lower	Upper	
63	100		
65	30.4	23.4	35.0

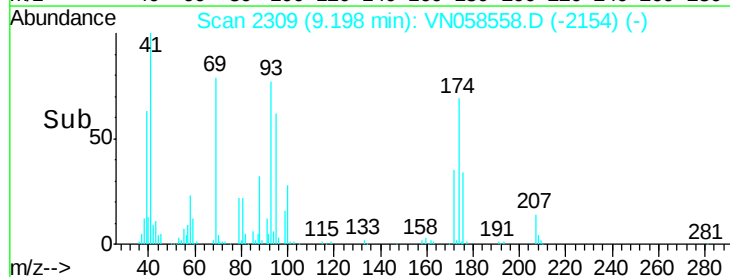
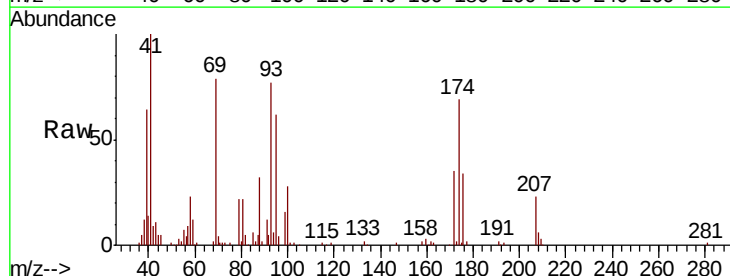
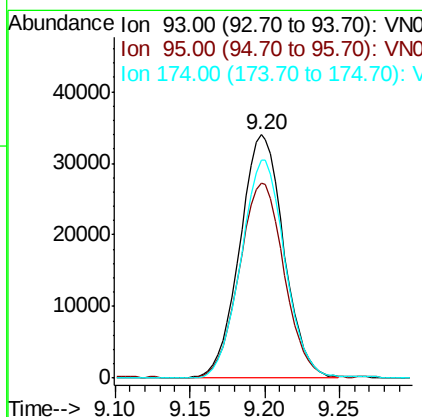
Manual Integrations
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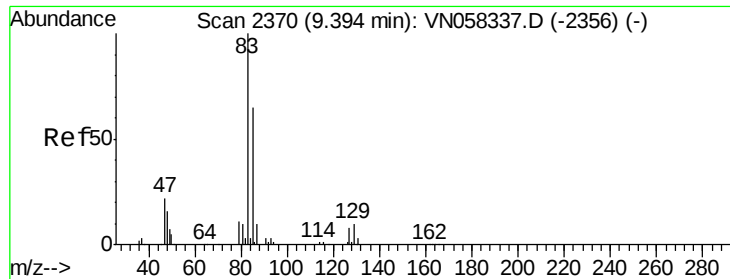
MMDadoda
 10/9/2019 10:50:16 AM



#40
 Dibromomethane
 Concen: 20.136 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	93	Resp	69576
Ion Ratio	Lower	Upper	
93	100		
95	81.9	0.0	166.8
174	89.7	0.0	187.2





#41

Bromodichloromethane

Concen: 20.760 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

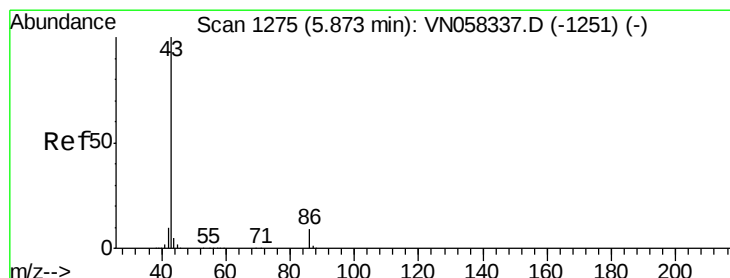
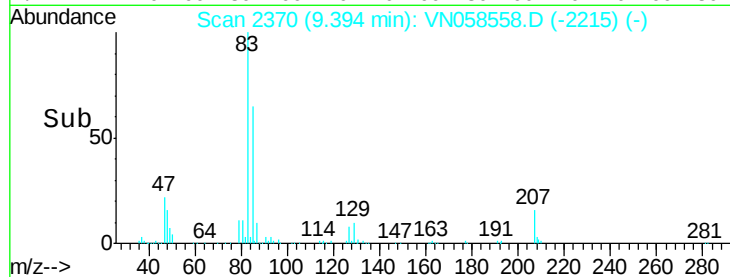
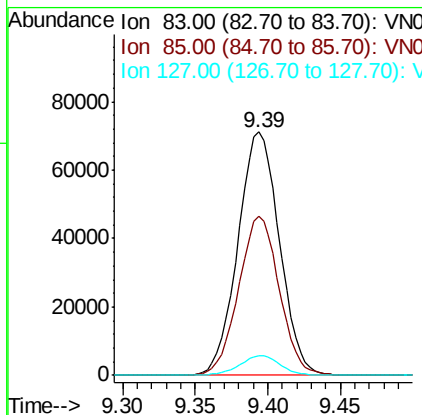
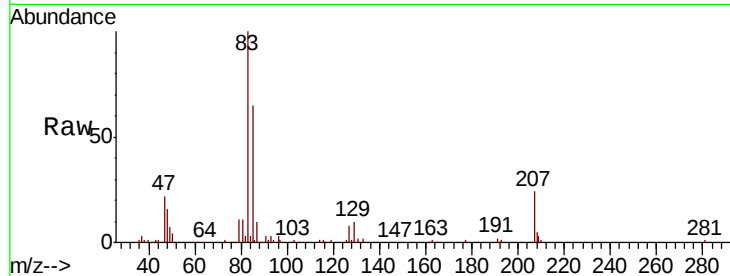
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	141783
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.0	78.0
127	8.1	6.1	9.1

Manual Integrations
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#42

Vinyl Acetate

Concen: 111.434 ug/l

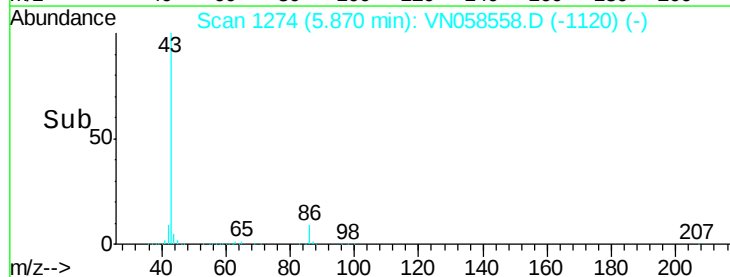
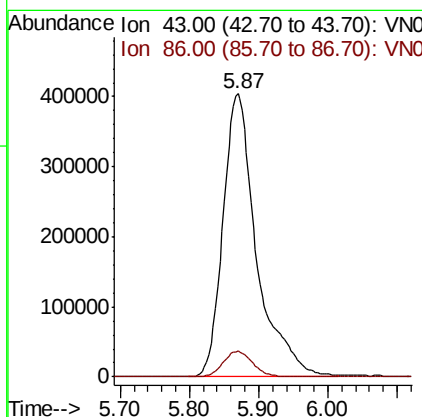
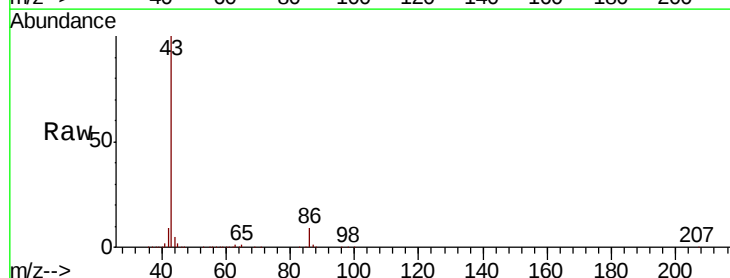
RT: 5.87 min Scan# 1274

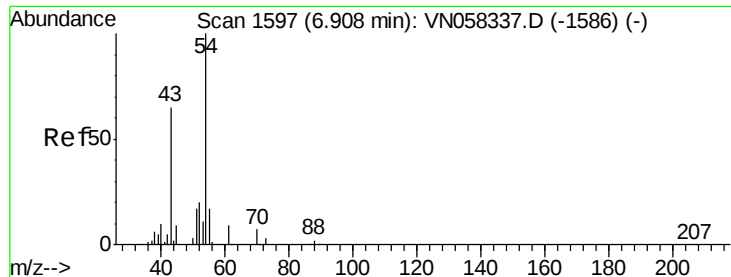
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	43	Resp:	1366878
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	9.8





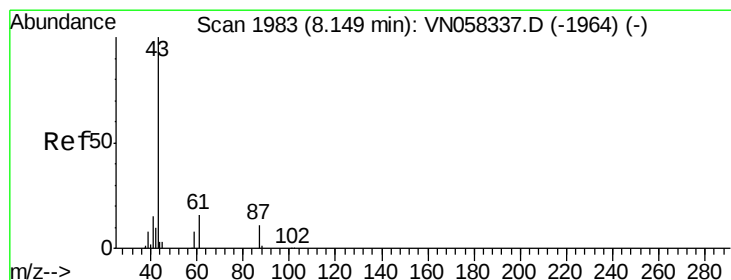
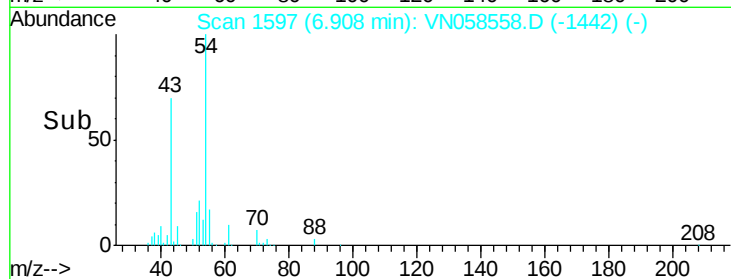
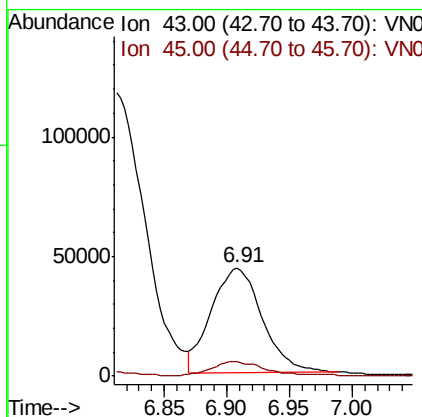
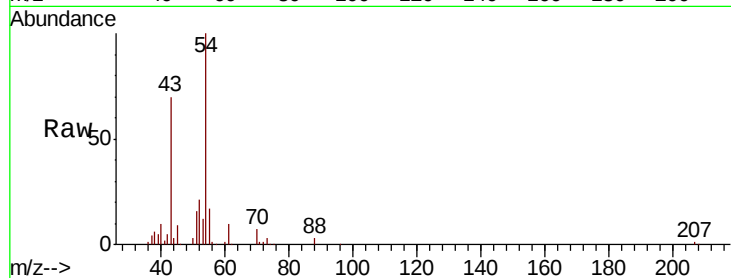
#43
Ethyl Acetate
Concen: 19.463 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.6	9.8	14.6

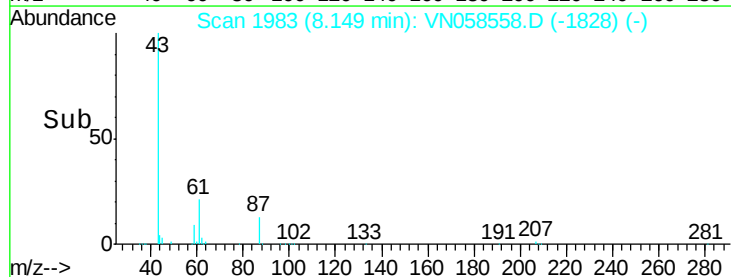
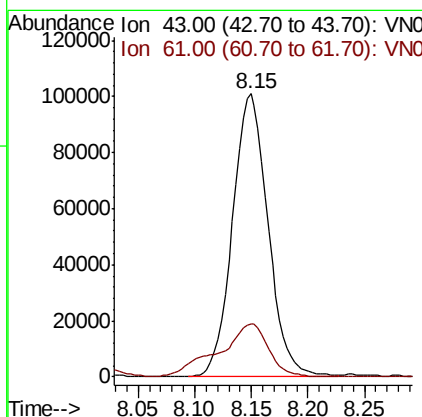
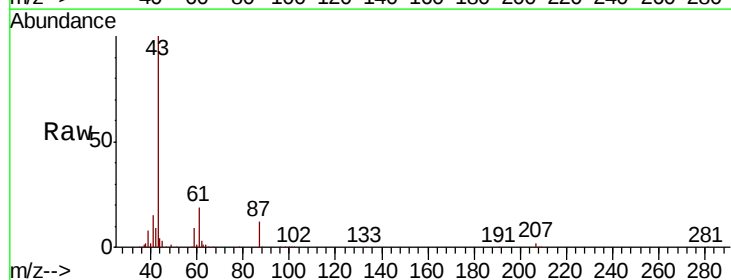
Manual Integrations
APPROVED

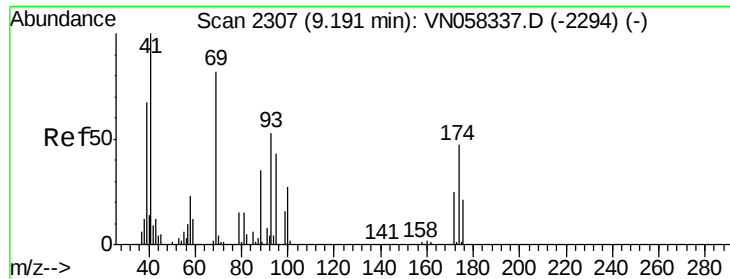
MMDadoda
10/9/2019 10:50:16 AM



#44
Isopropyl Acetate
Concen: 19.231 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.5	14.4	21.6#





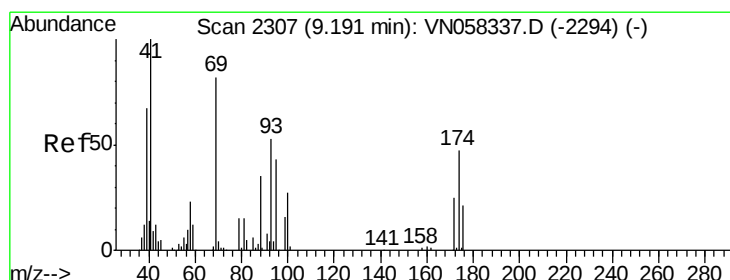
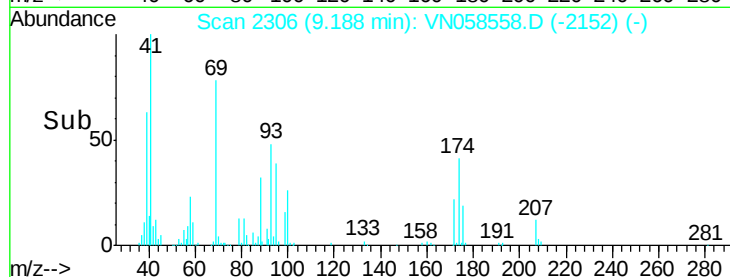
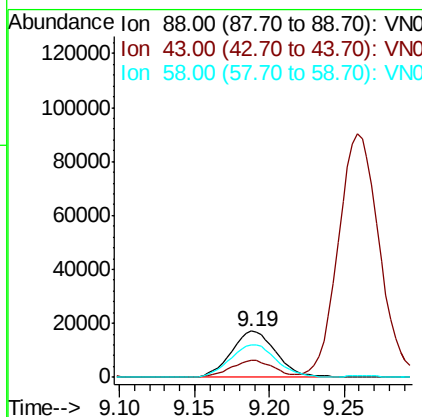
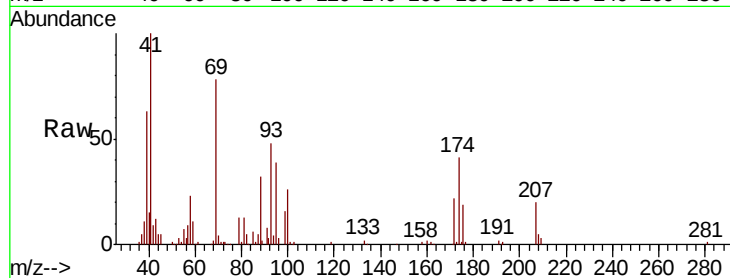
#45
1,4-Dioxane
Concen: 373.814 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	27.2	40.8
58	72.4	55.4	83.0

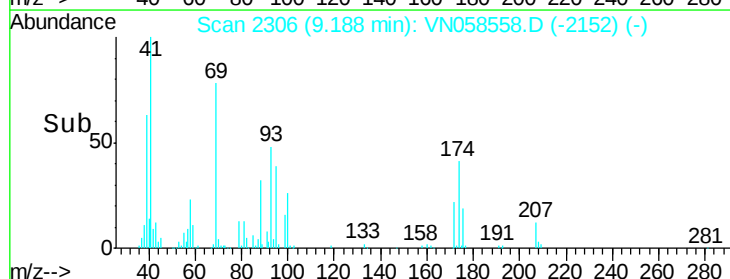
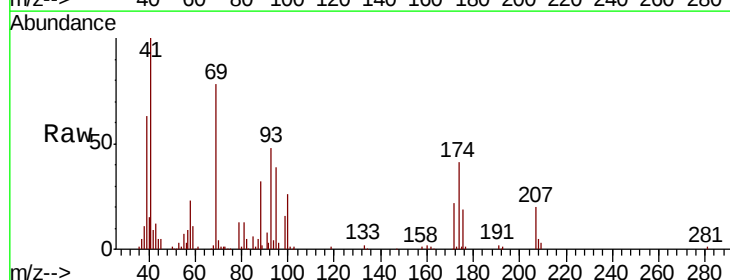
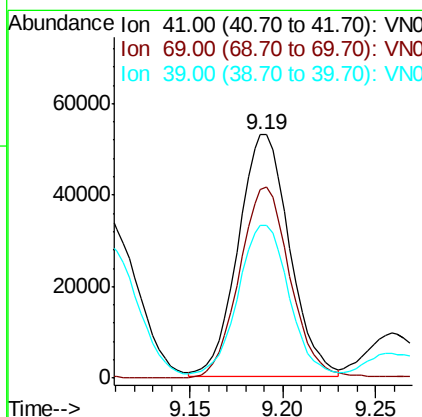
Manual Integrations
APPROVED

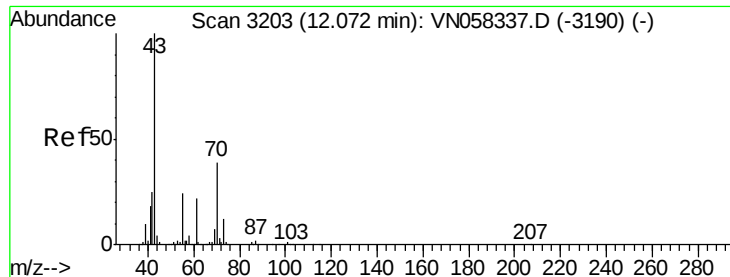
MMDadoda
10/9/2019 10:50:16 AM



#46
Methyl methacrylate
Concen: 18.889 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.1	40.9	122.7
39	62.5	33.6	100.6





#47

n-amvl Acetate

Concen: 19.382 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 192640

Ion Ratio Lower Upper

43 100

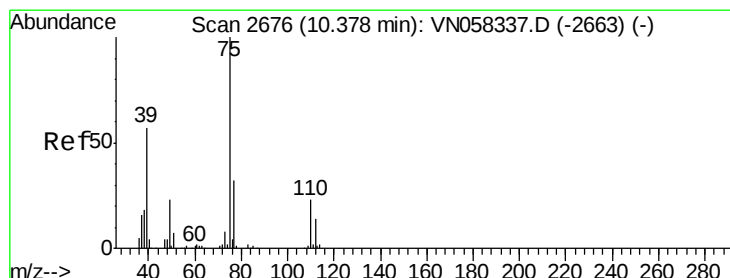
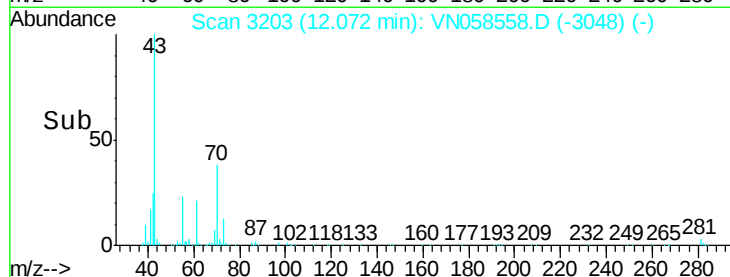
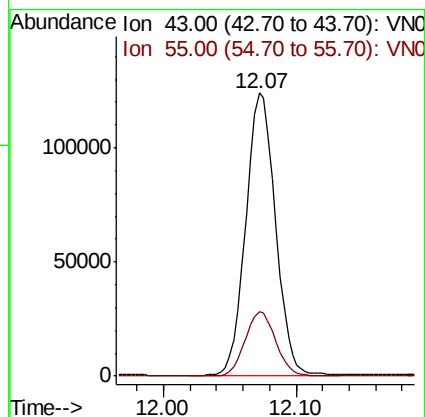
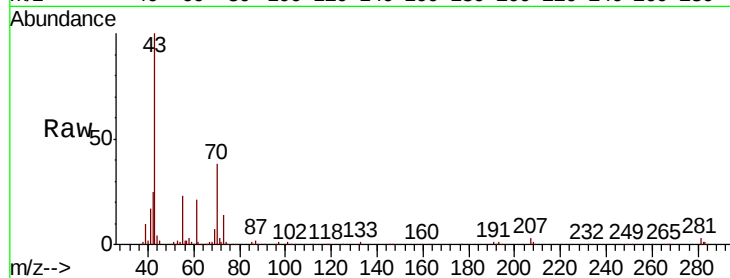
55 23.7 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

10/9/2019 10:50:16 AM



#48

t-1,3-Dichloropropene

Concen: 20.842 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058558.D

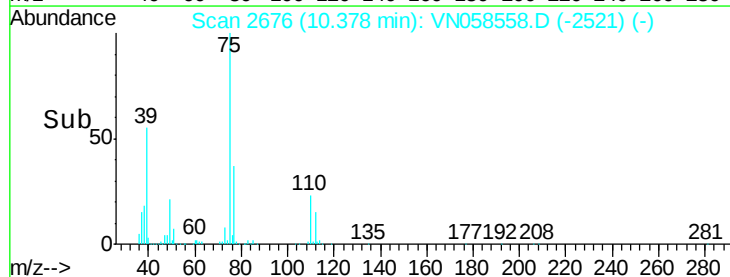
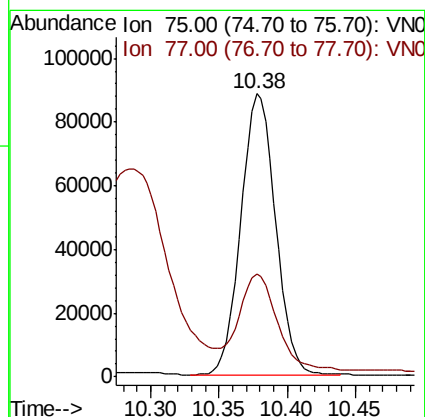
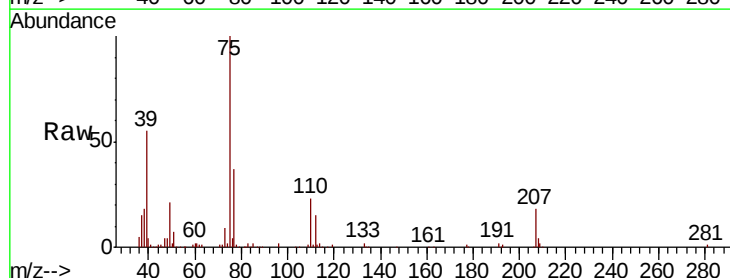
Acq: 7 Oct 2019 11:26

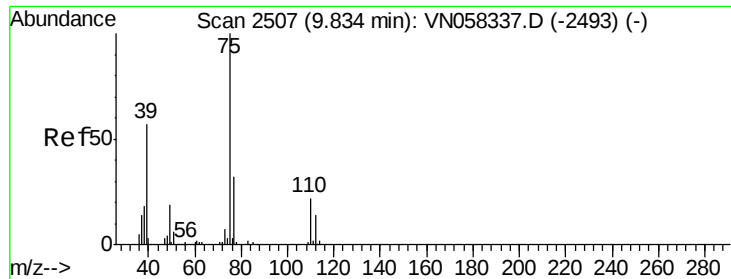
Tgt Ion: 75 Resp: 155542

Ion Ratio Lower Upper

75 100

77 34.2 25.4 38.0





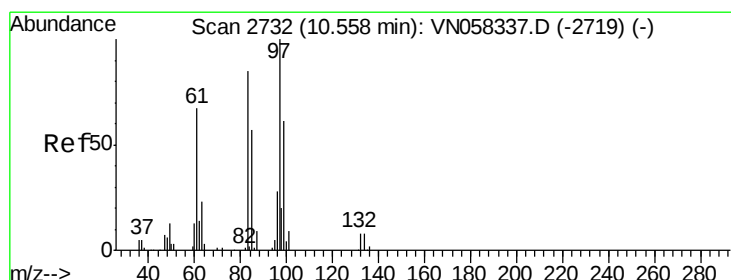
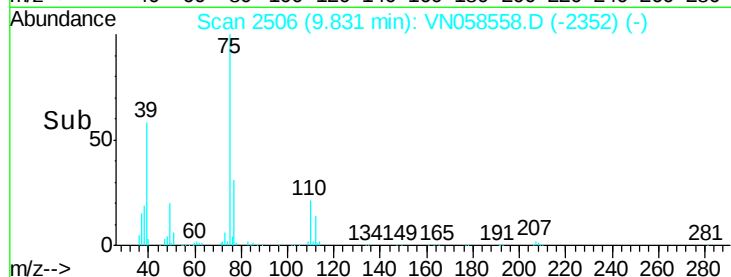
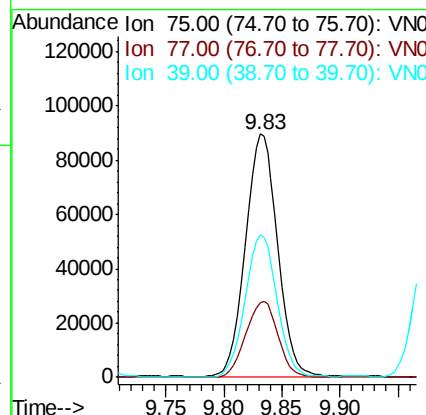
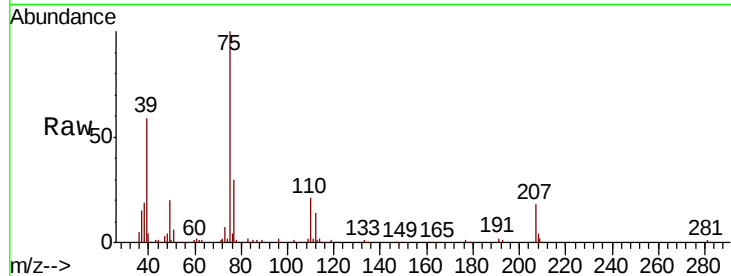
#49
 cis-1,3-Dichloropropene
 Concen: 20.691 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	75	Resp:	171919
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.2	37.8
39	58.4	45.8	68.6

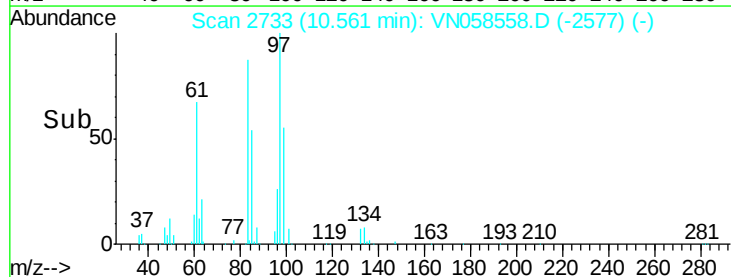
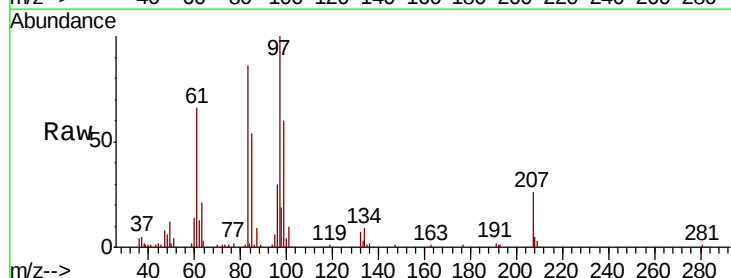
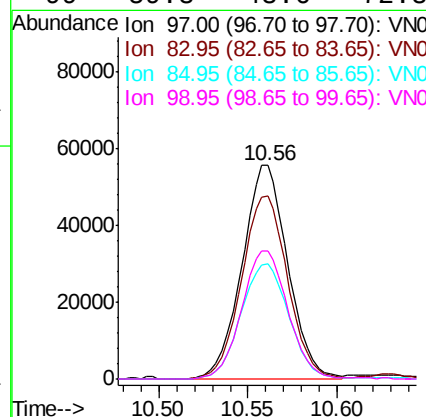
Manual Integrations
 APPROVED

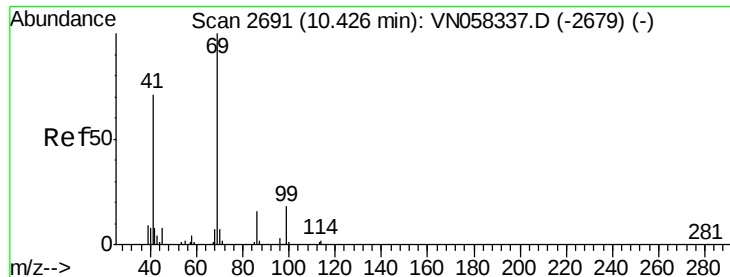
MMDadoda
 10/9/2019 10:50:16 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.695 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion:	97	Resp:	99938
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.6
85	53.8	45.8	68.6
99	59.8	48.6	72.8





#51

Ethyl methacrylate

Concen: 18.808 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 69 Resp: 143698

Ion Ratio Lower Upper

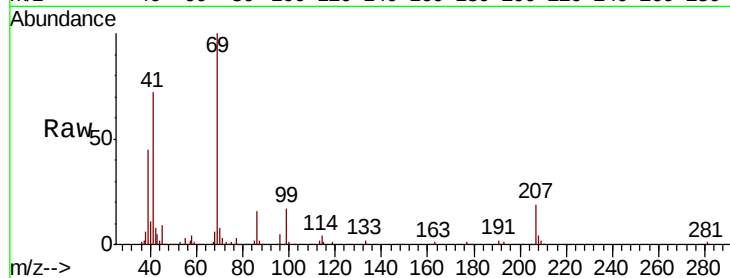
69 100

41 71.2 35.4 106.1

39 44.5 23.5 70.5

Manual Integrations
APPROVED

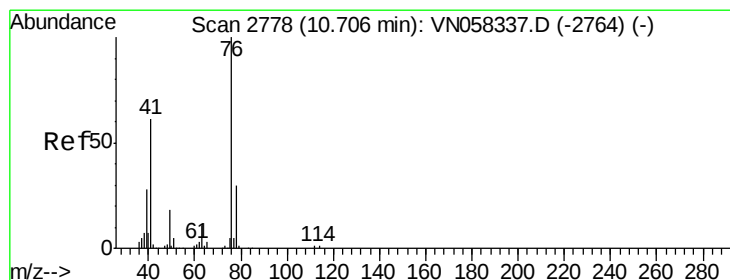
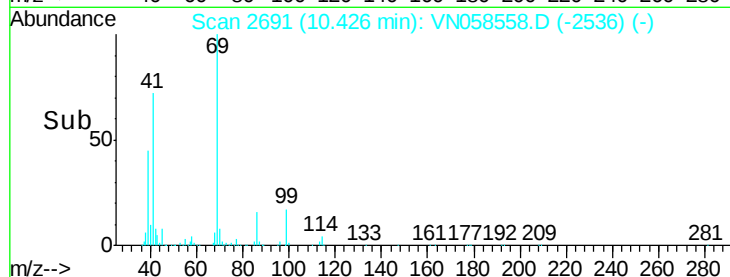
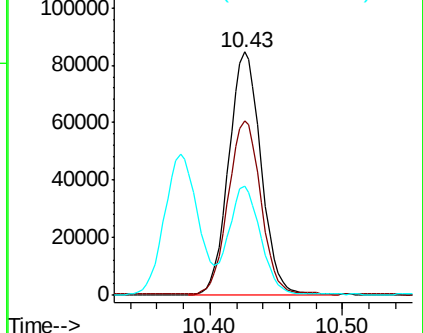
MMDadoda
10/9/2019 10:50:16 AM



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.908 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058558.D

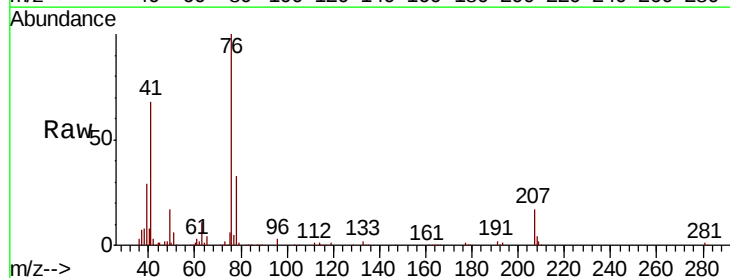
Acq: 7 Oct 2019 11:26

Tgt Ion: 76 Resp: 170739

Ion Ratio Lower Upper

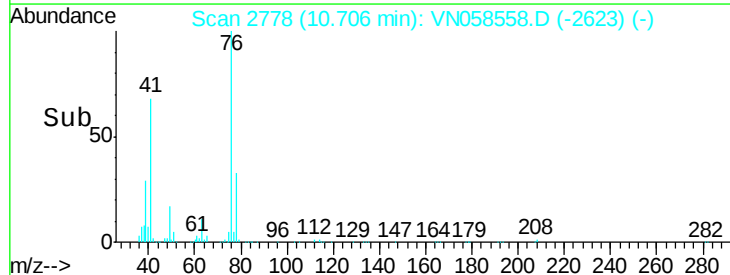
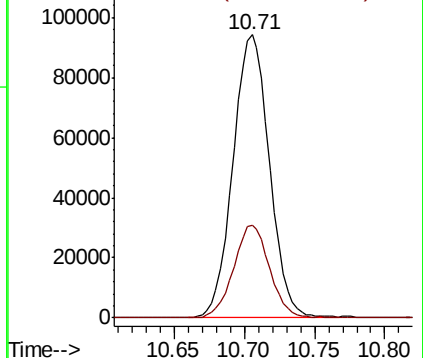
76 100

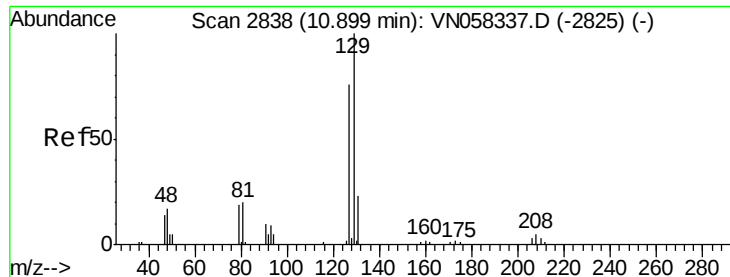
78 32.1 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





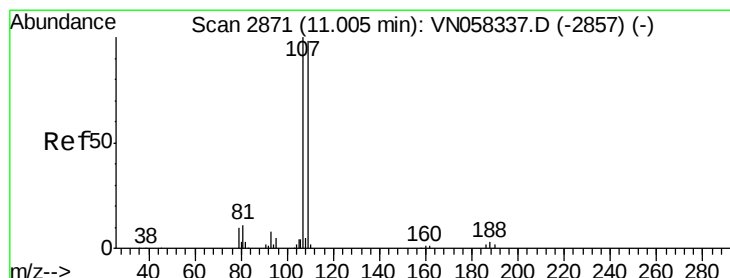
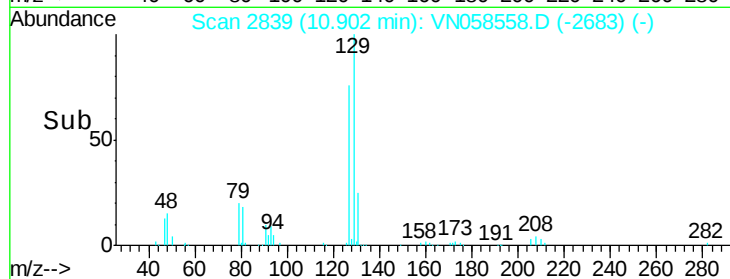
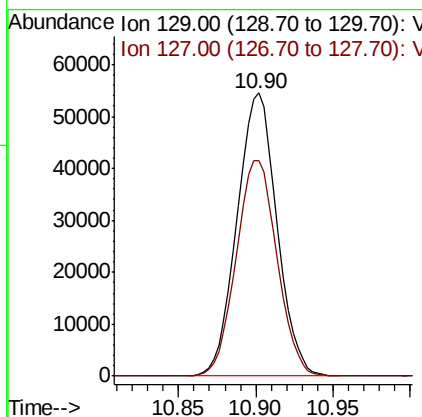
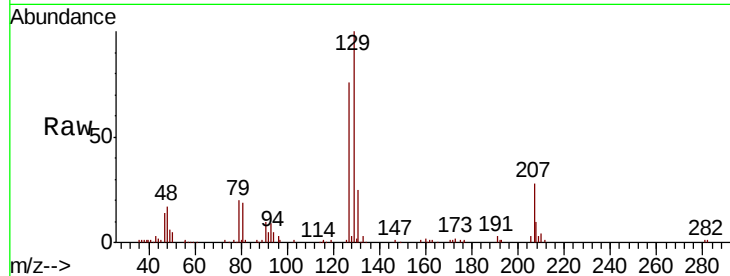
#53
Dibromochloromethane
Concen: 20.184 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 97921
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.2

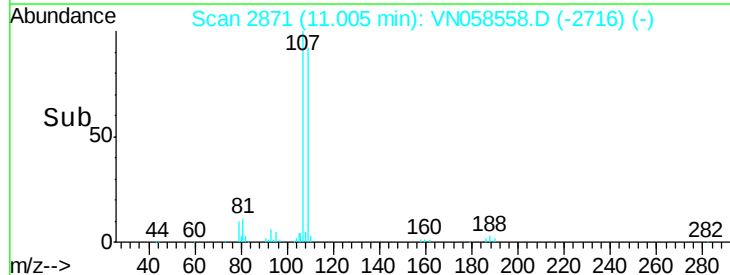
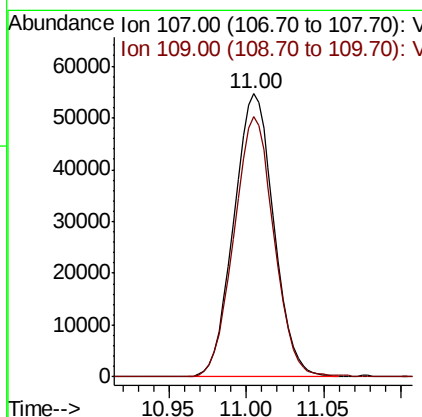
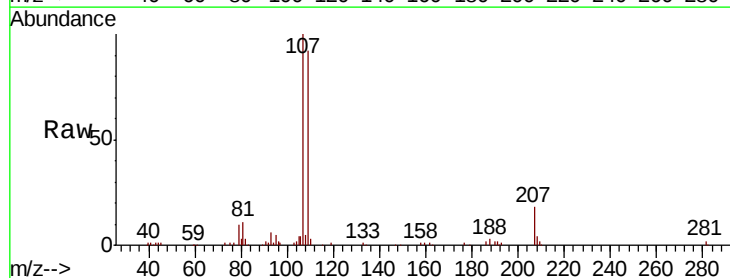
Manual Integrations
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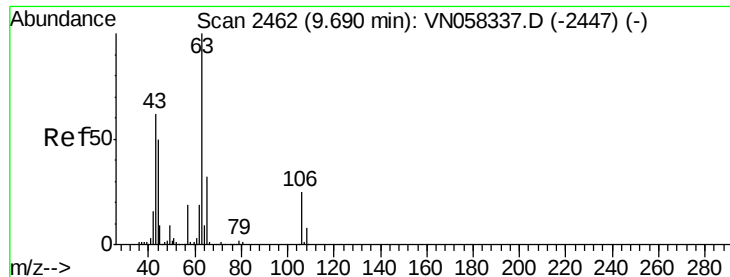
MMDadoda
10/9/2019 10:50:16 AM



#54
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion:107 Resp: 98241
Ion Ratio Lower Upper
107 100
109 92.0 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 111.521 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

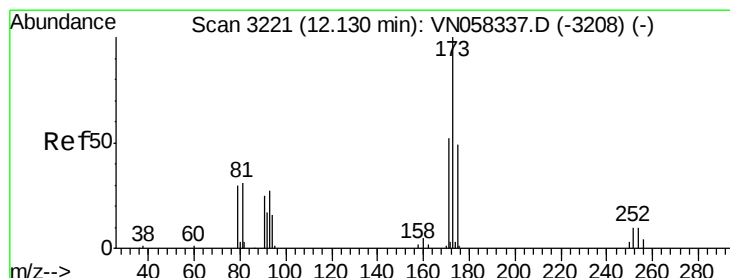
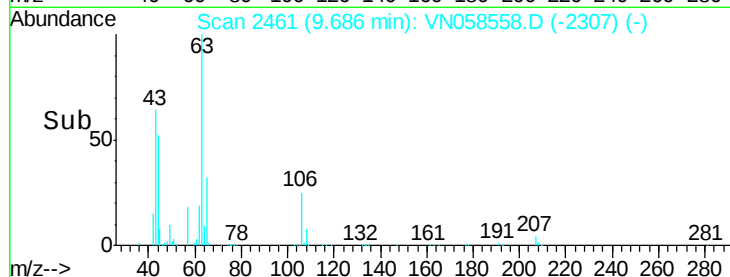
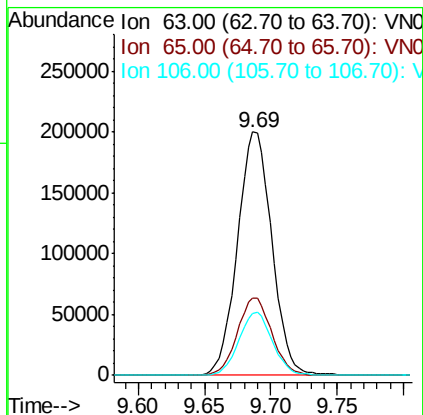
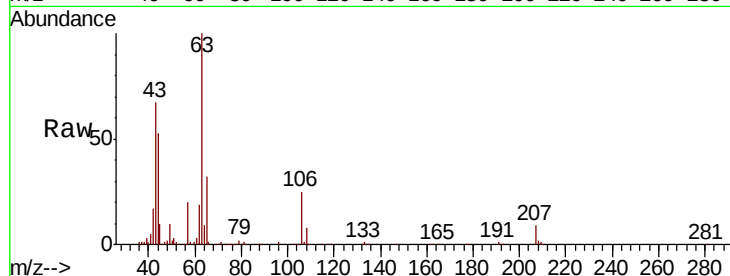
VSTDCCC020

Tot Ion: 63 Resp: 360790

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.2
106	25.3	20.4	30.6

Manual Integrations
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MMDadoda
10/9/2019 10:50:16 AM



#56

Bromoform

Concen: 20.024 ug/l

RT: 12.13 min Scan# 3221

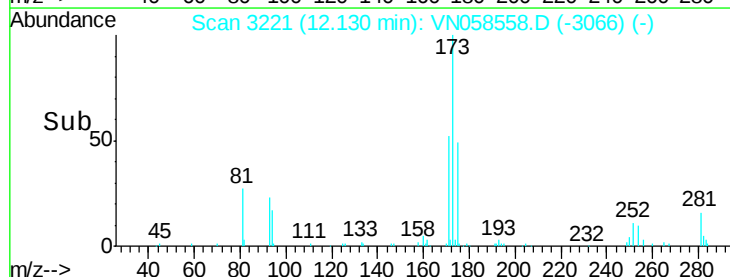
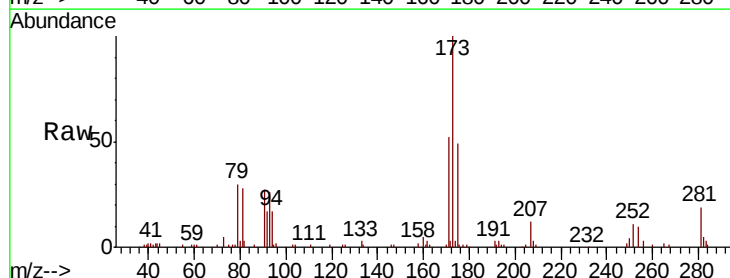
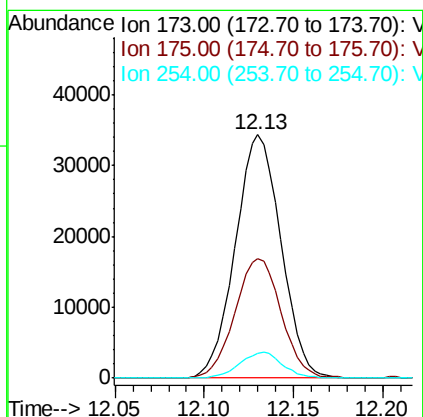
Delta R.T. -0.00 min

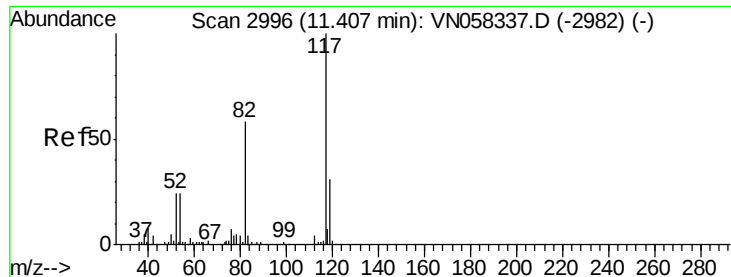
Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion: 173 Resp: 61274

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.8	58.2
254	9.9	7.8	11.8





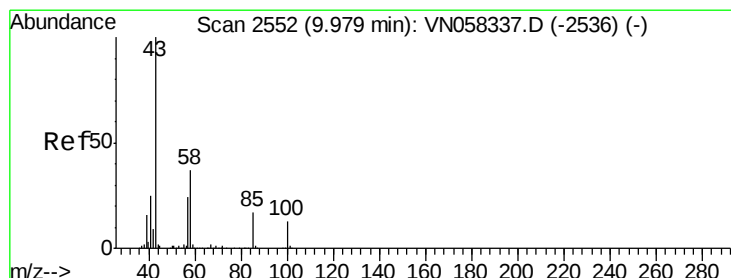
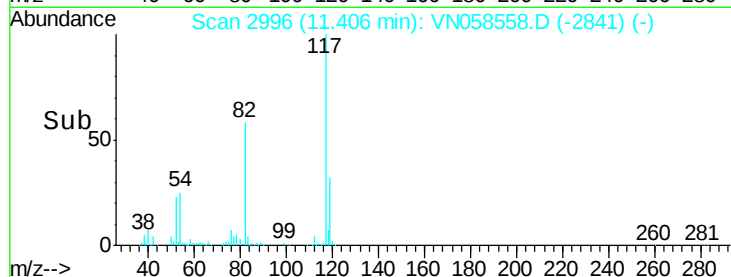
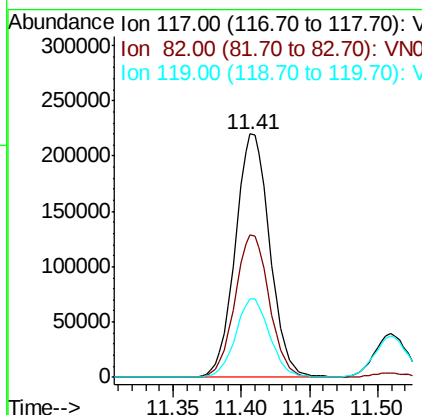
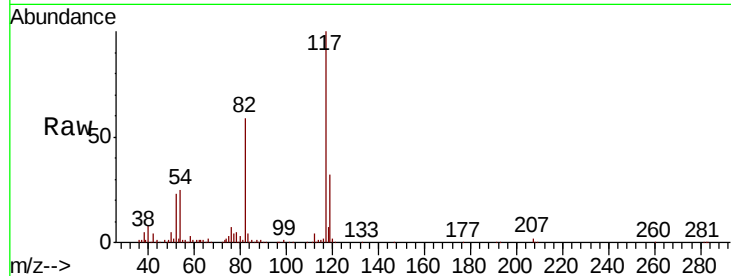
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.4	69.6
119	31.9	25.1	37.7

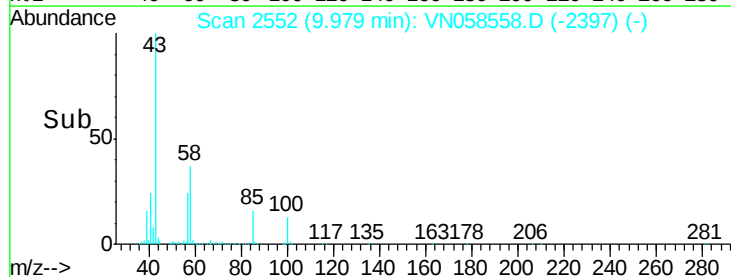
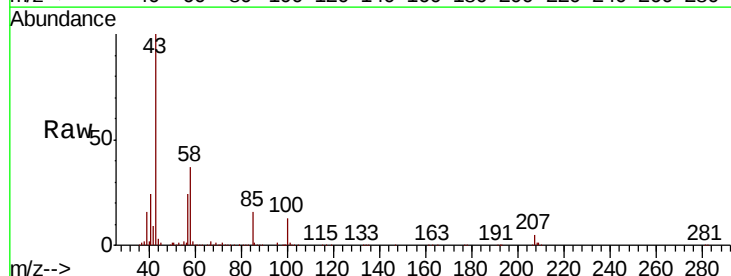
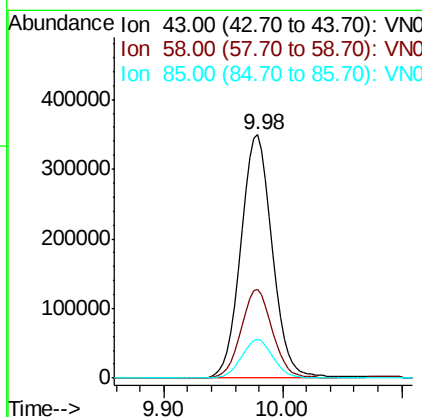
Manual Integrations
APPROVED

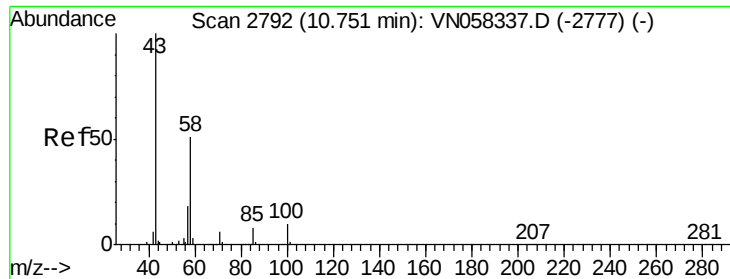
MMDadoda
10/9/2019 10:50:16 AM



#58
4-Methyl-2-Pentanone
Concen: 105.699 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.3	43.9
85	16.1	13.1	19.7





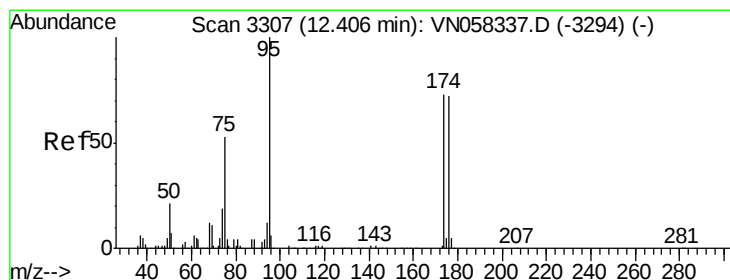
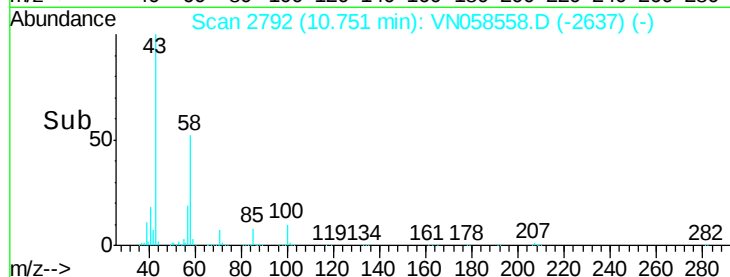
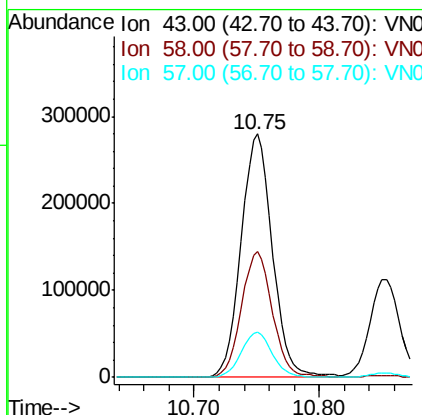
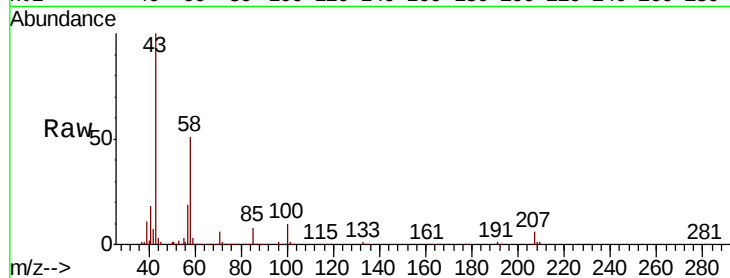
#59
2-Hexanone
Concen: 105.995 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	40.7	61.1
57	18.6	14.7	22.1

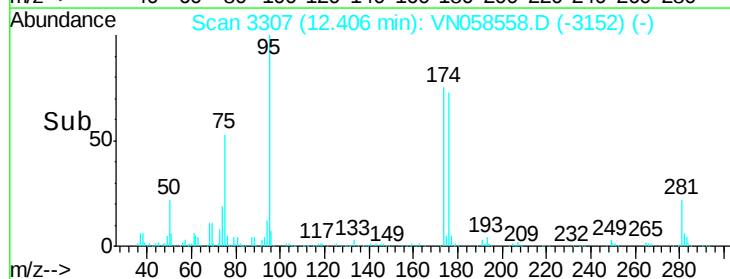
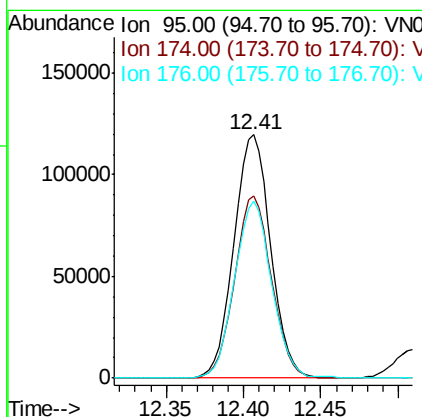
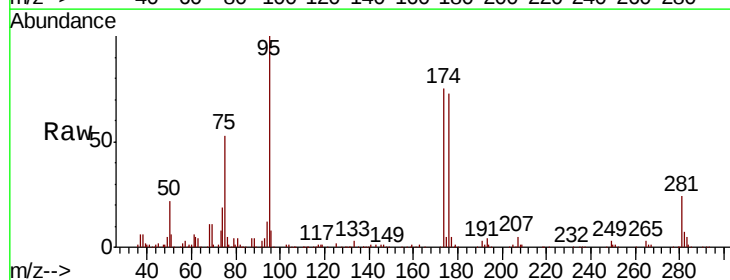
Manual Integrations
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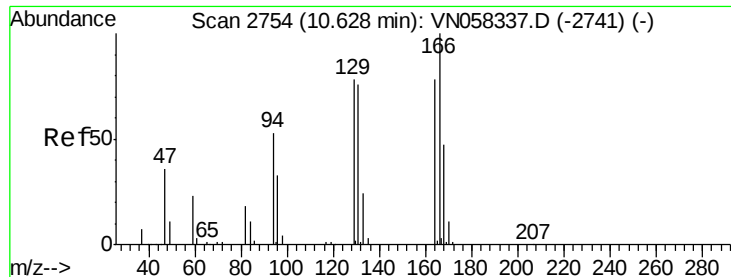
MMDadoda
10/9/2019 10:50:16 AM



#60
4-Bromofluorobenzene
Concen: 29.538 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	59.0	88.6
176	72.8	58.2	87.2





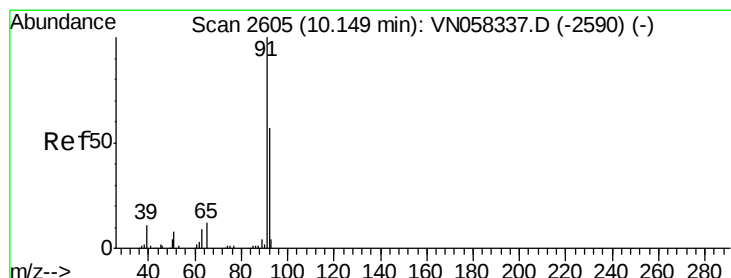
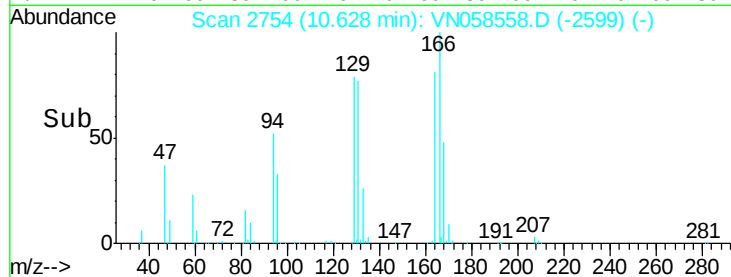
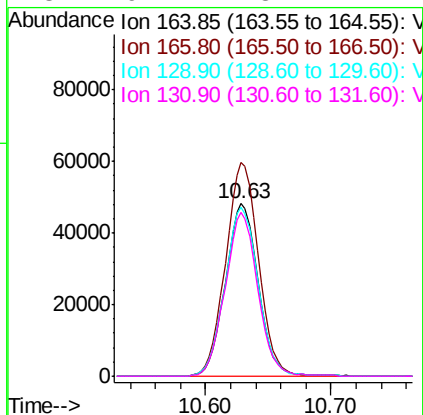
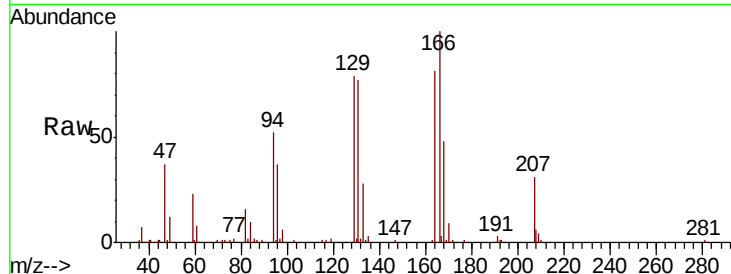
#61
Tetrachloroethene
Concen: 21.646 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.6	102.6	154.0
129	97.5	79.8	119.6
131	94.7	78.1	117.1

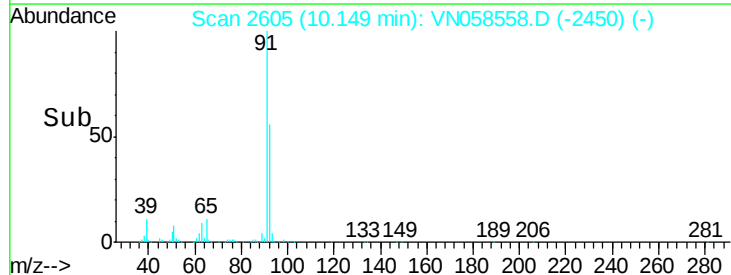
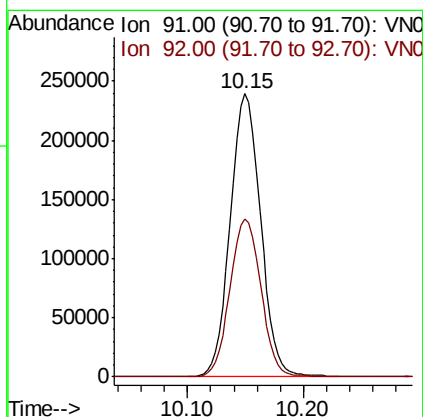
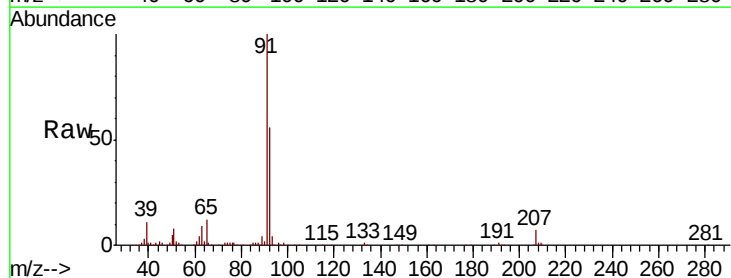
Manual Integrations
APPROVED

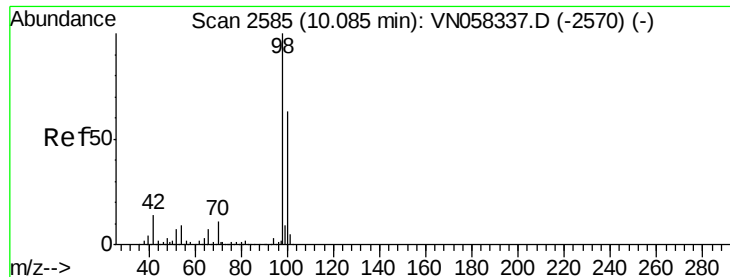
MMDadoda
10/9/2019 10:50:16 AM



#62
Toluene
Concen: 20.641 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.5	68.3





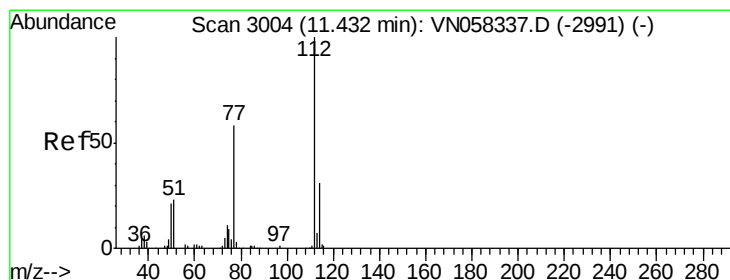
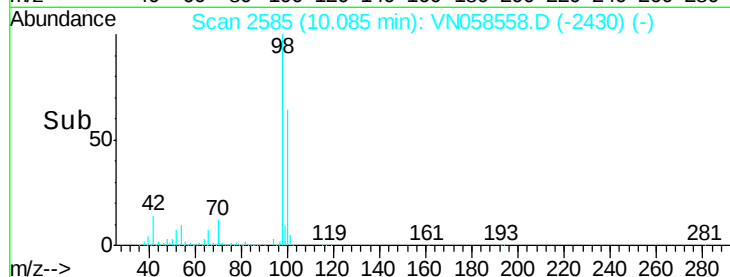
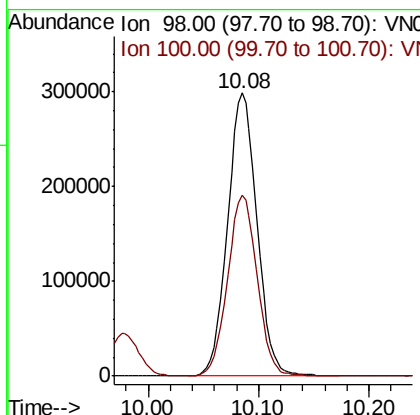
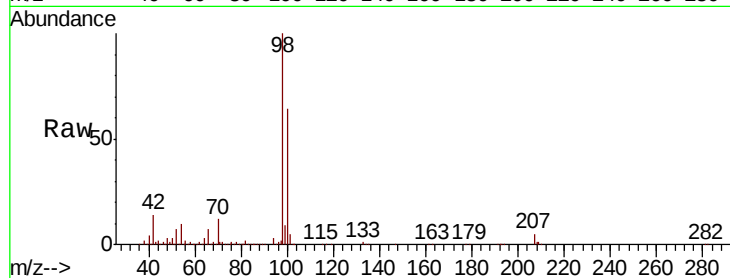
#63
Toluene-d8
Concen: 29.998 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 552191
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

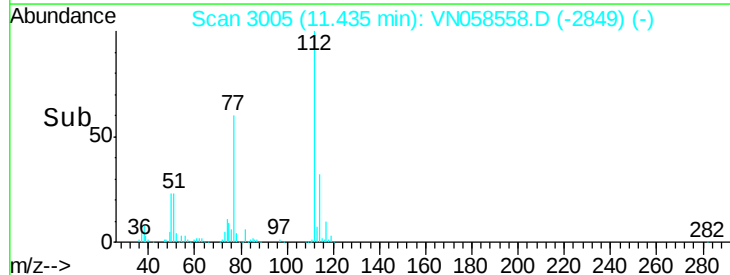
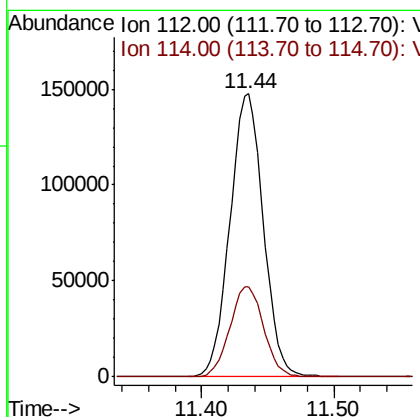
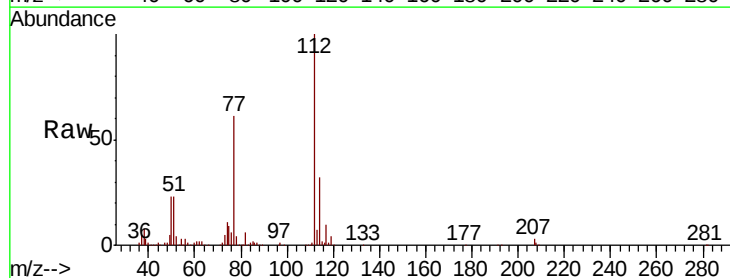
Manual Integrations
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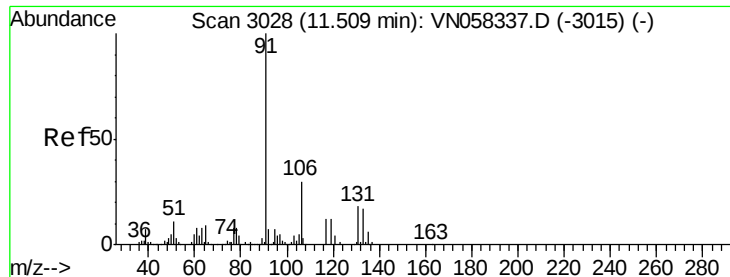
MMDadoda
10/9/2019 10:50:16 AM



#64
Chlorobenzene
Concen: 19.905 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 112 Resp: 258401
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 21.360 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

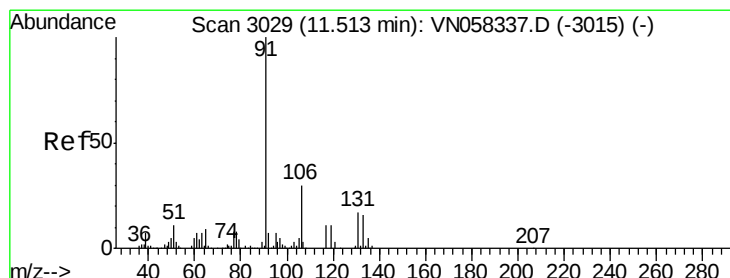
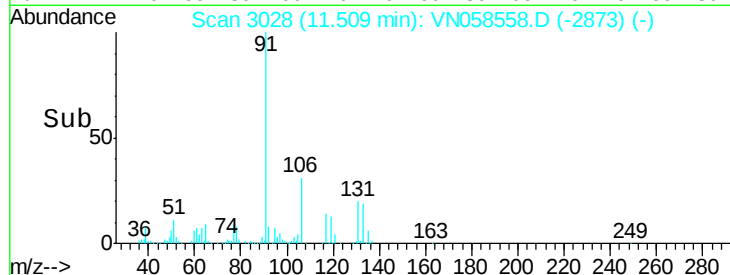
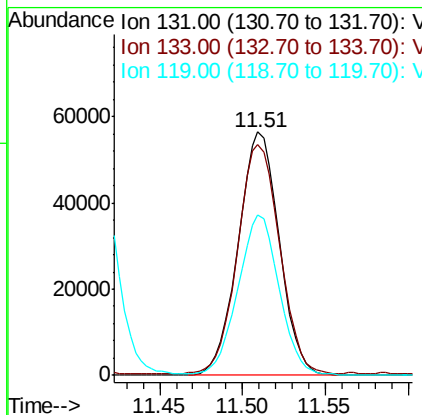
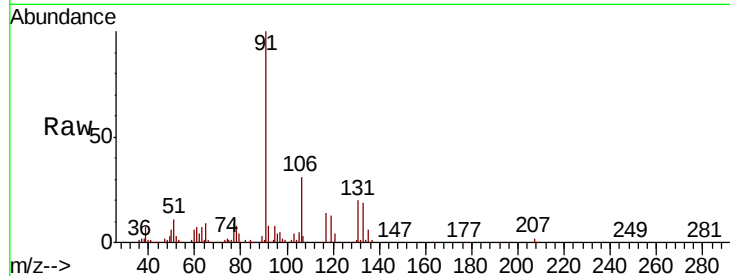
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	97205
Ion	Ratio	Lower	Upper
131	100		
133	96.4	0.0	191.8
119	65.5	0.0	134.2

Manual Integrations
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10/9/2019 10:50:16 AM



#66

Ethyl Benzene

Concen: 21.081 ug/l

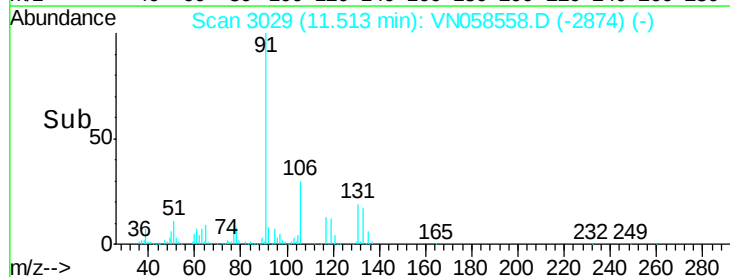
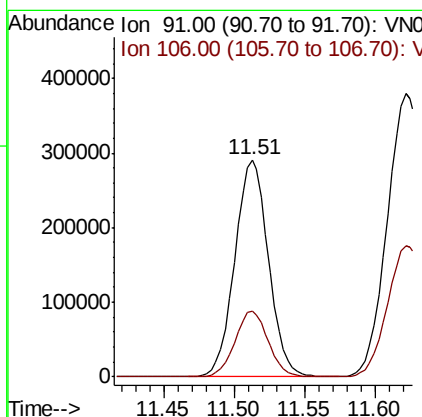
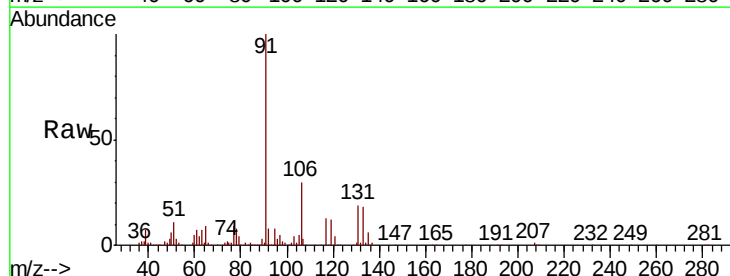
RT: 11.51 min Scan# 3029

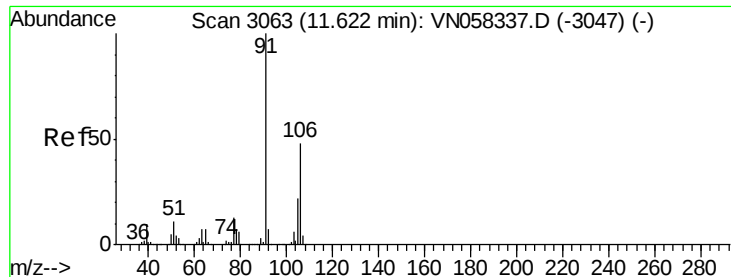
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	91	Resp:	485602
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4





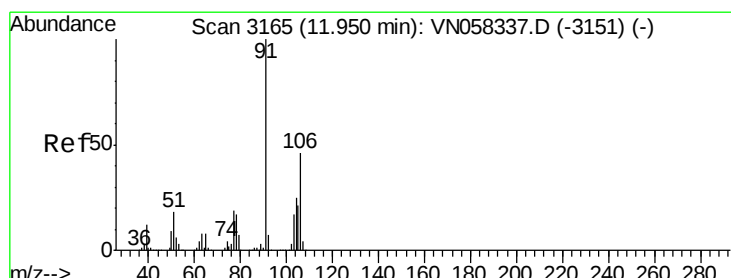
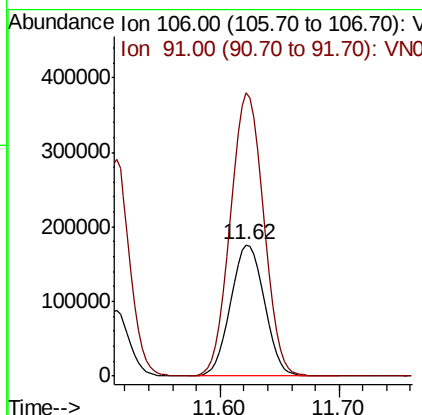
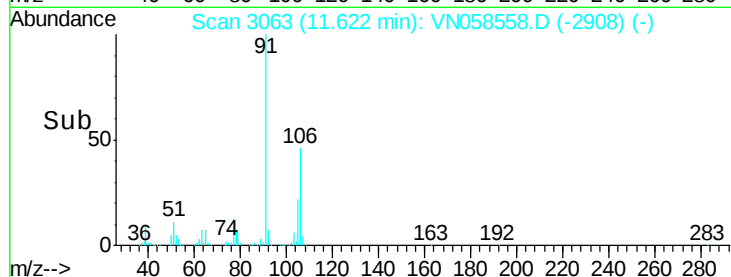
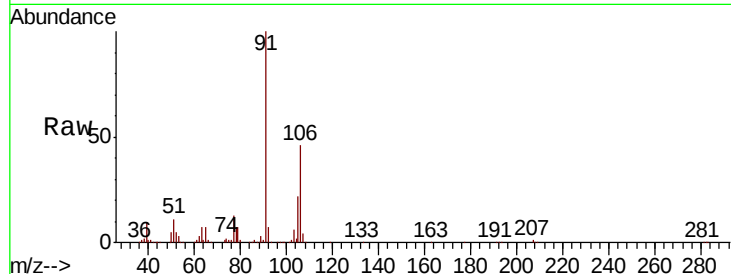
#67
m/p-Xylenes
Concen: 39.325 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	167.8	251.6	

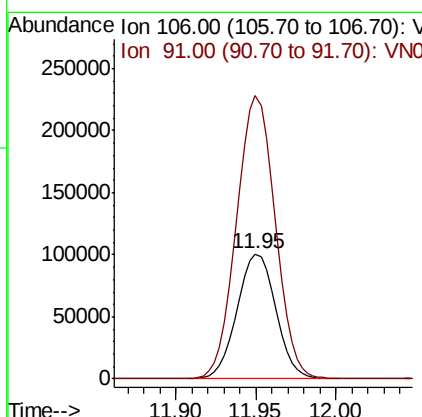
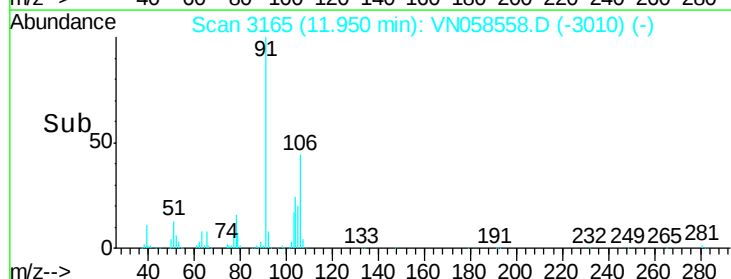
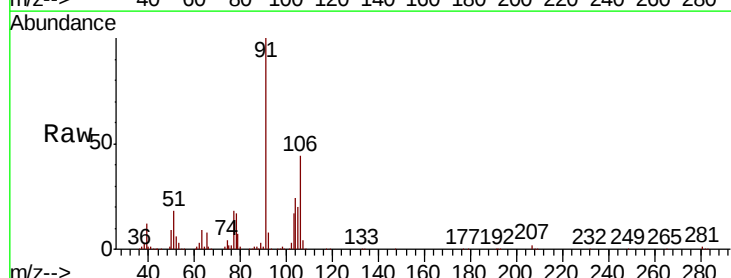
Manual Integrations
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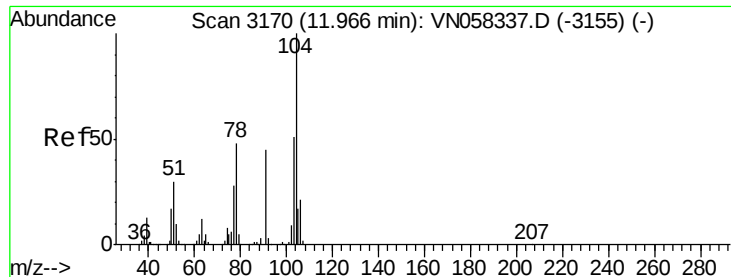
MMDadoda
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#68
o-Xylene
Concen: 19.276 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	227.1	108.7	325.9	





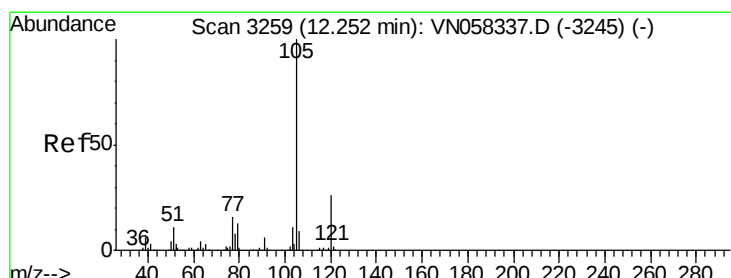
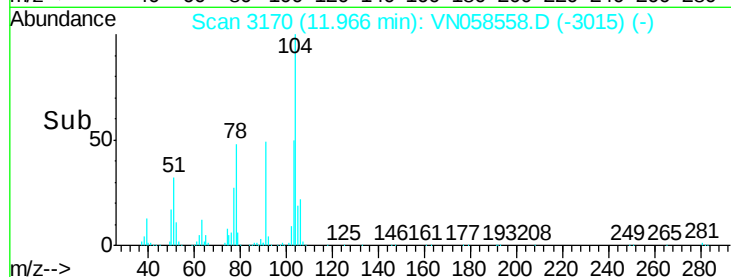
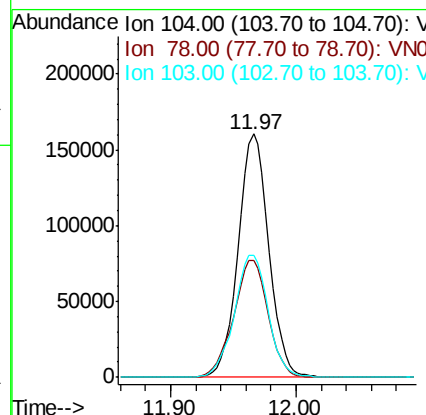
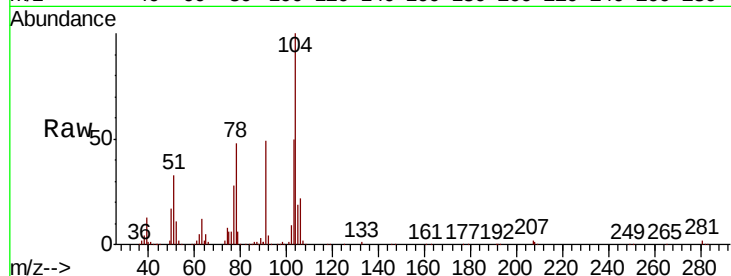
#69
Stvrene
Concen: 18.950 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.3	63.5
103	55.1	44.1	66.1

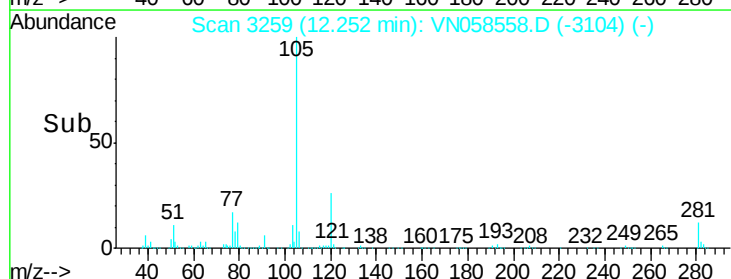
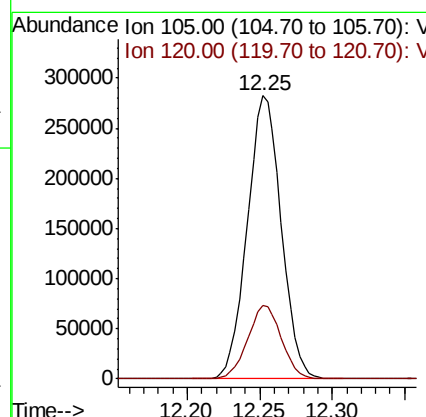
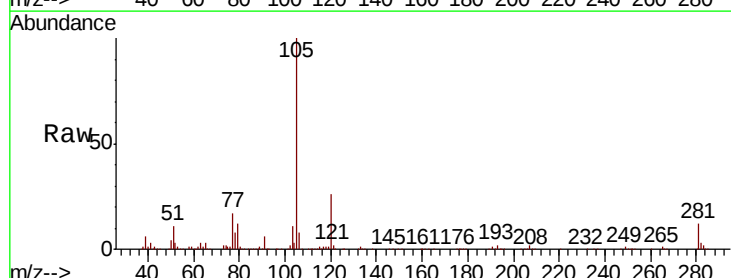
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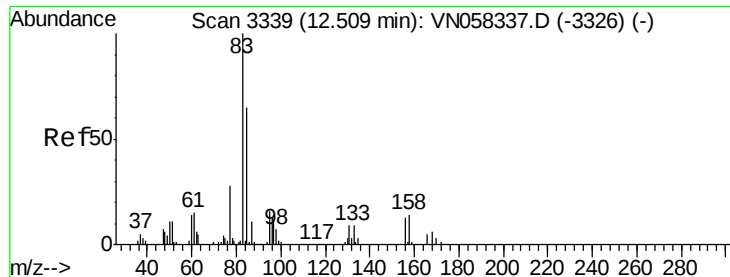
MMDadoda
10/9/2019 10:50:16 AM



#70
Isopropylbenzene
Concen: 20.594 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.2	33.8





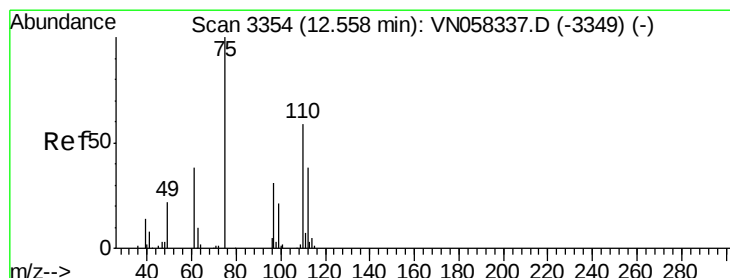
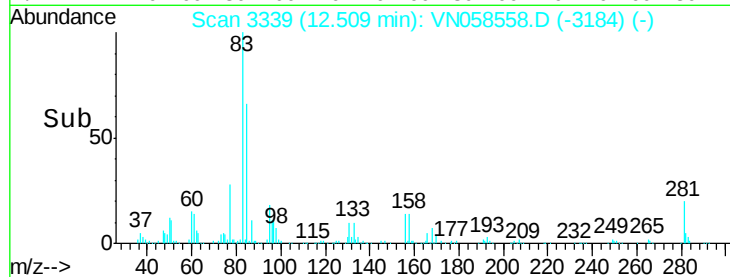
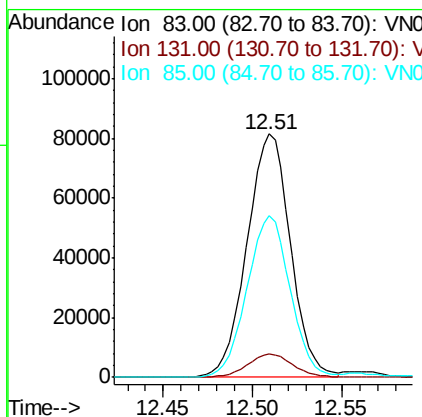
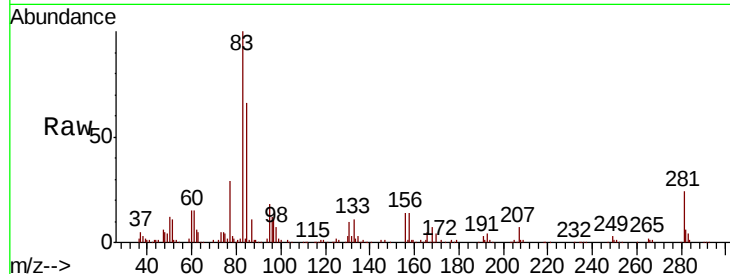
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.491 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.8	14.3
85	66.3	32.6	97.7

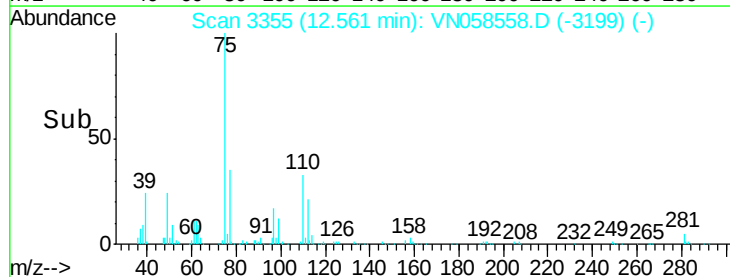
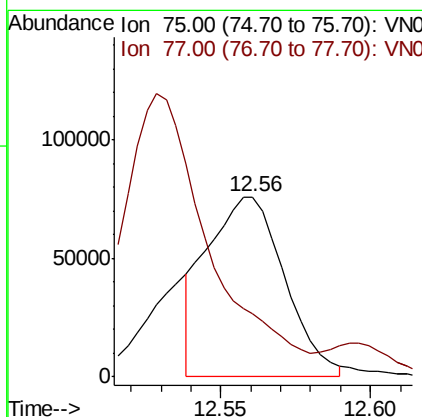
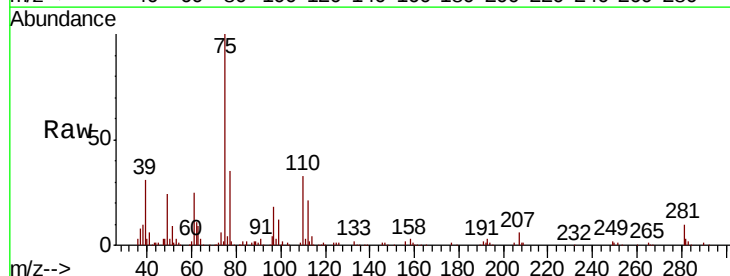
Manual Integrations
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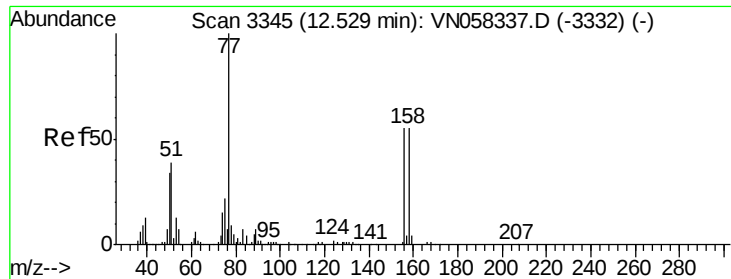
MMDadoda
 10/9/2019 10:50:16 AM



#72
 1,2,3-Trichloropropane
 Concen: 22.599 ug/l m
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	176.2	0.0	382.4





#73

Bromobenzene

Concen: 20.036 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

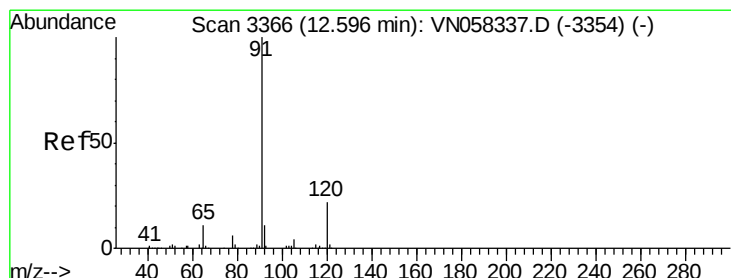
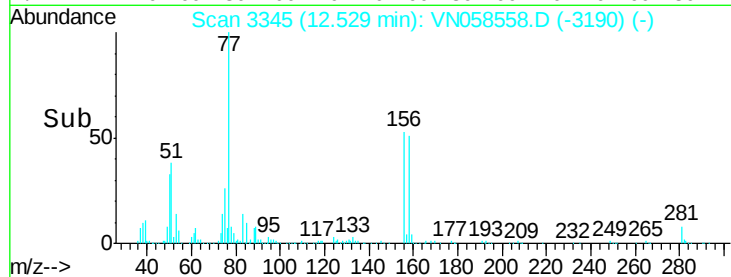
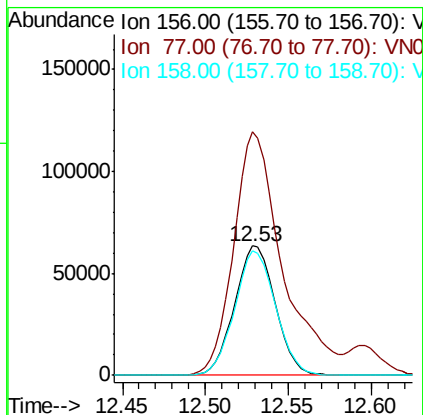
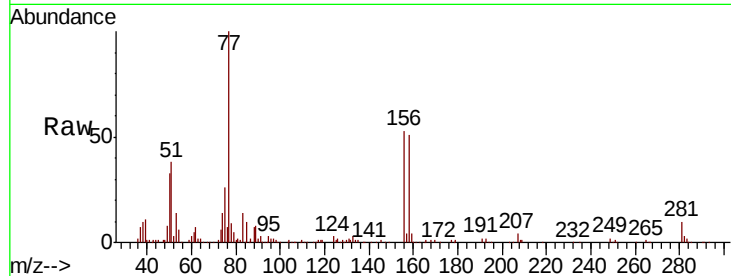
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	108148
Ion Ratio	Lower	Upper	
156	100		
77	224.2	0.0	438.8
158	96.7	0.0	195.6

Manual Integrations
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10/9/2019 10:50:16 AM



#74

n-propylbenzene

Concen: 21.024 ug/l

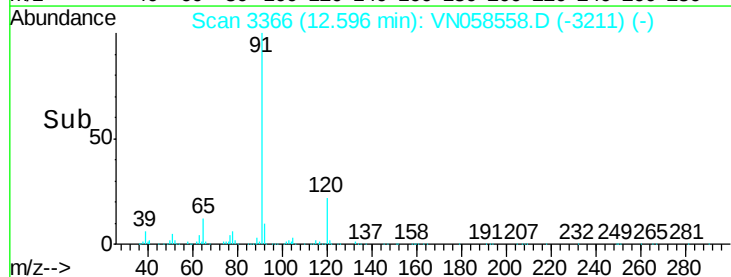
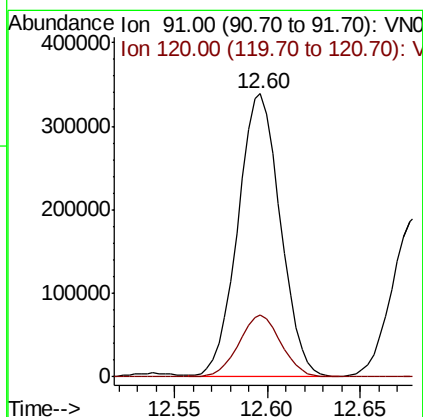
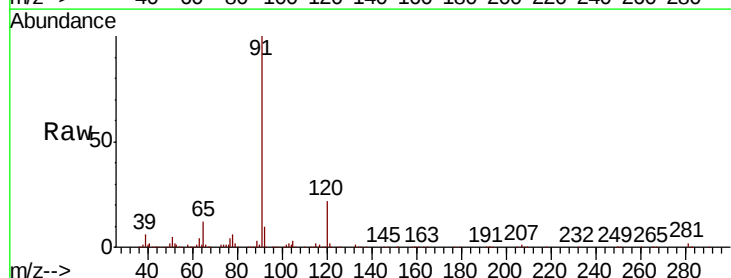
RT: 12.60 min Scan# 3366

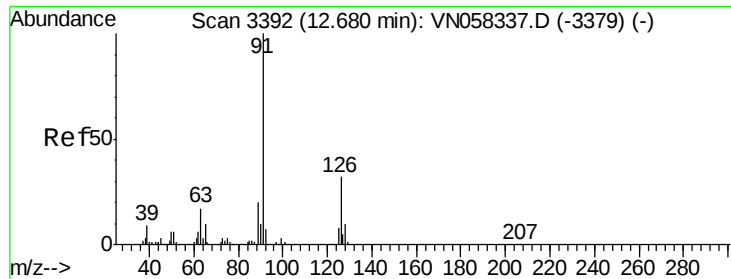
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	91	Resp:	540117
Ion Ratio	Lower	Upper	
91	100		
120	21.5	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.181 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 324305

Ion Ratio Lower Upper

91 100

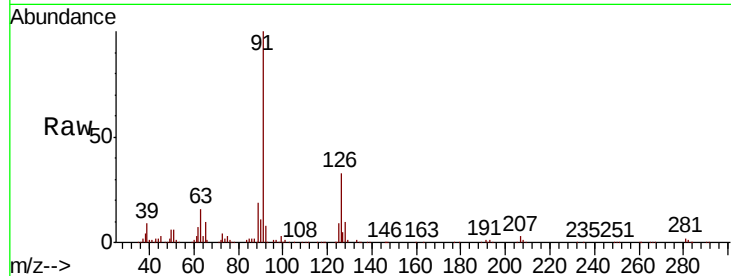
126 32.8 0.0 65.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)

300000

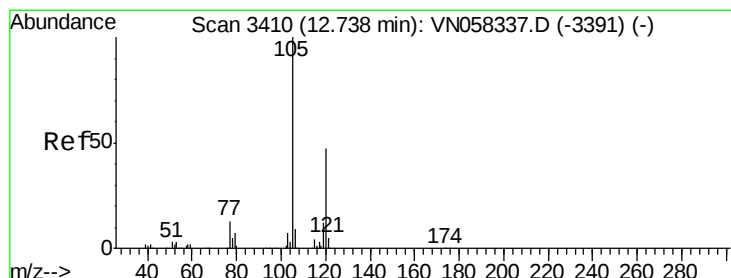
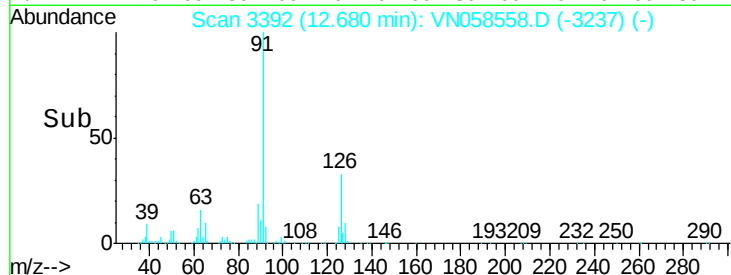
200000

100000

0

12.68

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 20.020 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058558.D

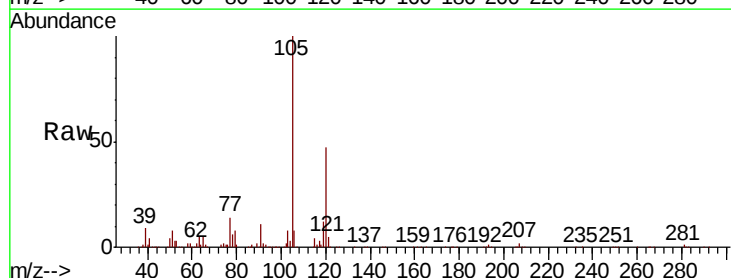
Acq: 7 Oct 2019 11:26

Tgt Ion: 105 Resp: 384142

Ion Ratio Lower Upper

105 100

120 47.6 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

250000

200000

150000

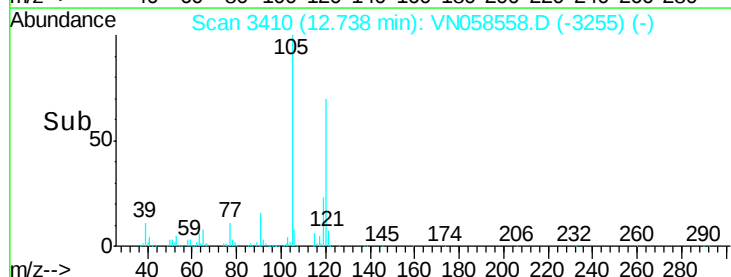
100000

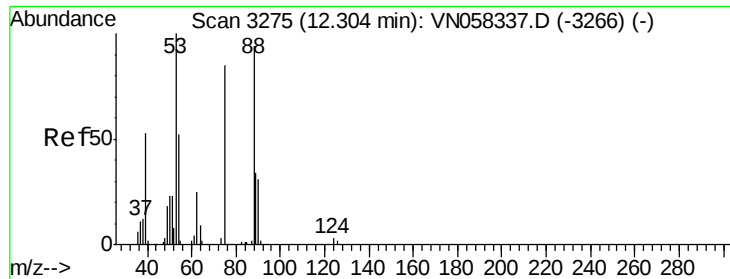
50000

0

12.74

Time--> 12.65 12.70 12.75 12.80





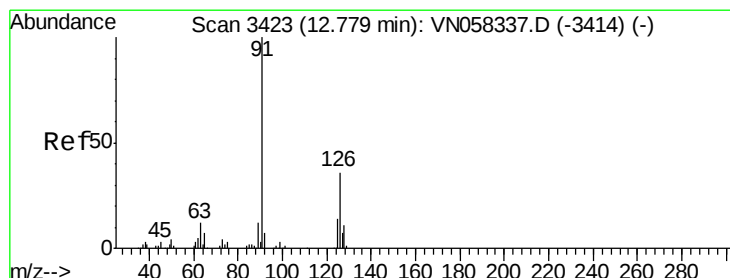
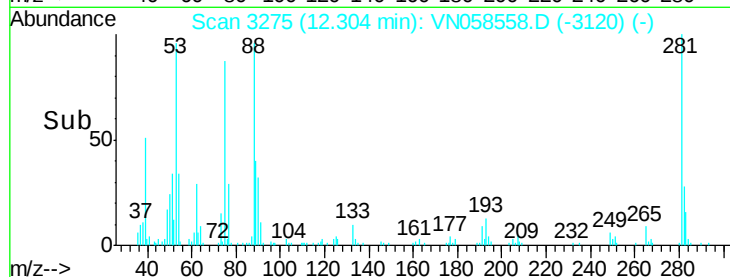
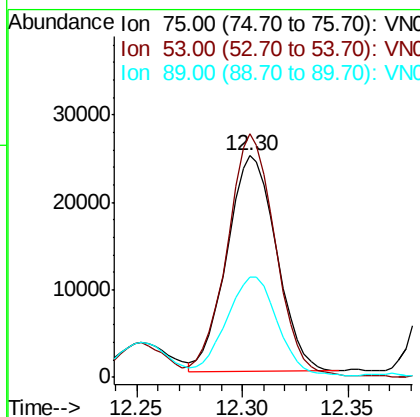
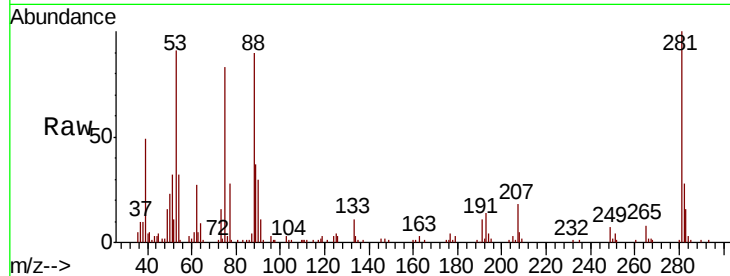
#77
t-1,4-Dichloro-2-butene
Concen: 20.237 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	59.0	176.8
89	45.5	21.6	65.0

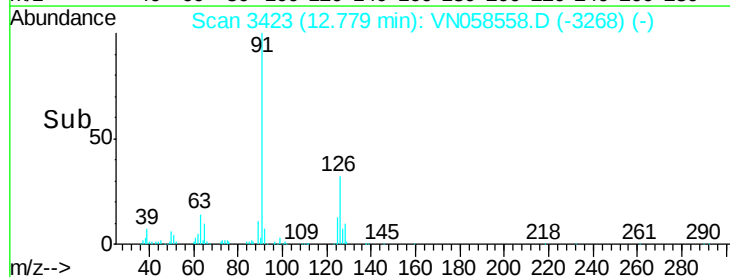
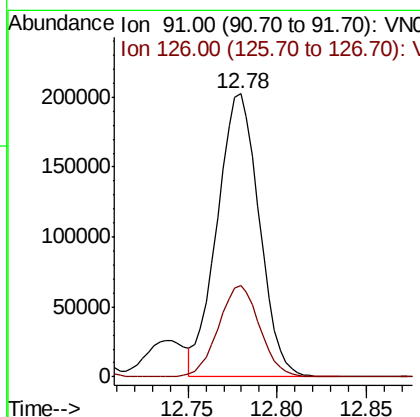
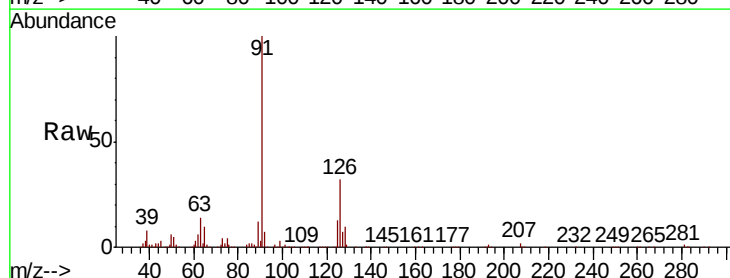
Manual Integrations
APPROVED

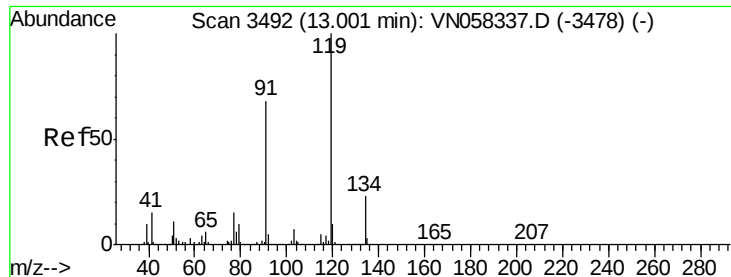
MMDadoda
10/9/2019 10:50:16 AM



#78
4-Chlorotoluene
Concen: 20.140 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.8





#79

tert-butylbenzene

Concen: 19.197 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

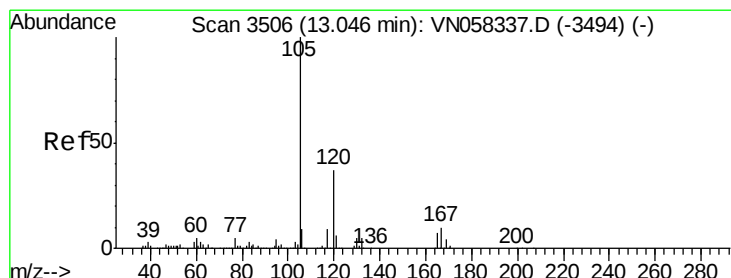
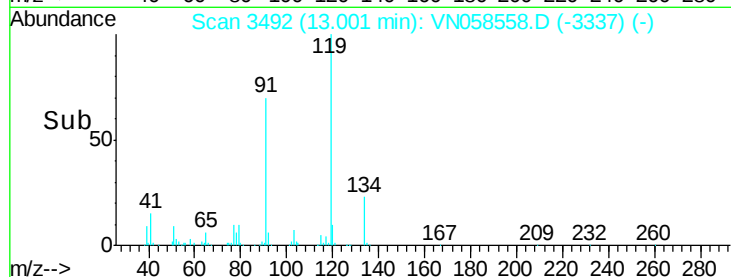
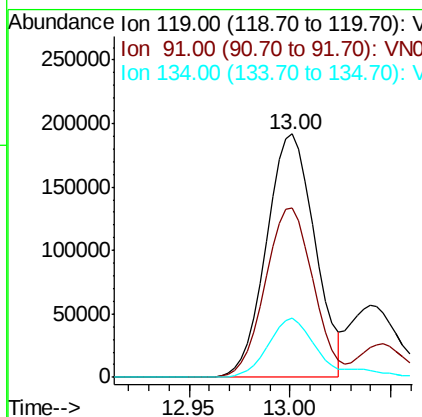
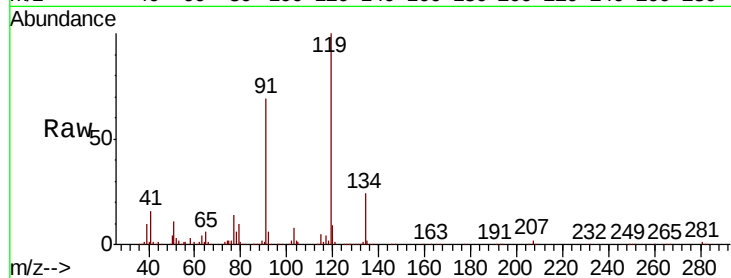
ClientSampleId :

VSTDCCC020

Tot Ion:	119	Resp:	318917
Ion Ratio	Lower	Upper	
119	100		
91	69.2	0.0	138.2
134	23.3	0.0	46.8

Manual Integrations
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10/9/2019 10:50:16 AM



#80

1,2,4-Trimethylbenzene

Concen: 20.098 ug/l

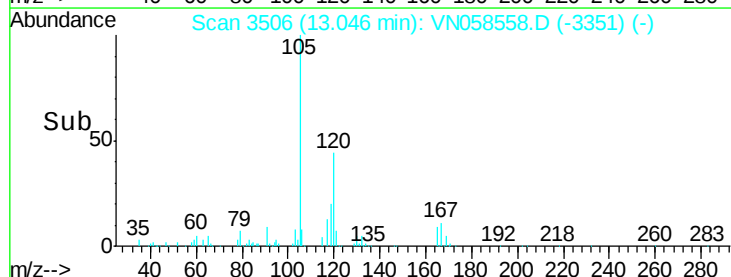
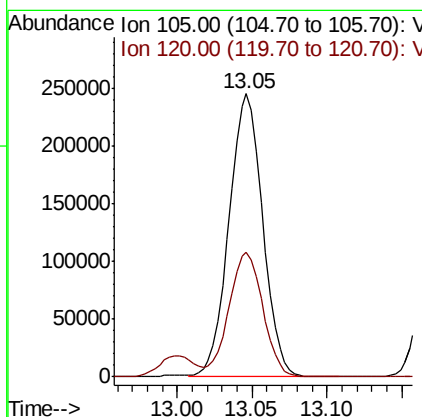
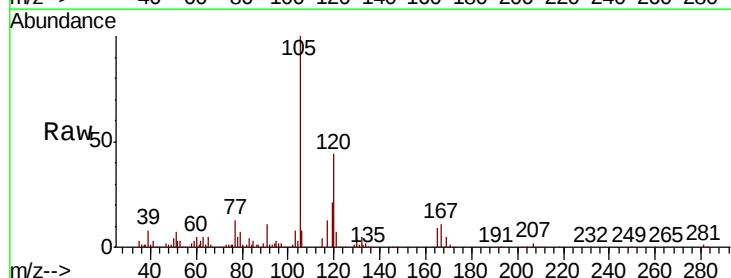
RT: 13.05 min Scan# 3506

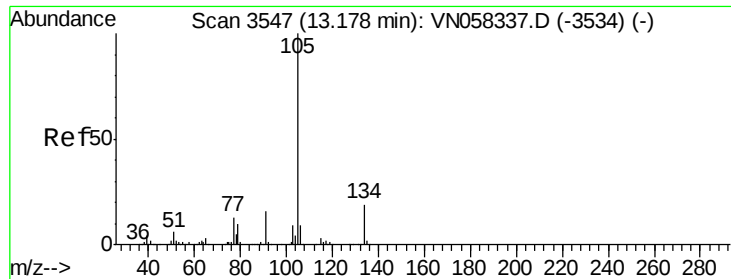
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	105	Resp:	384940
Ion Ratio	Lower	Upper	
105	100		
120	44.5	0.0	86.6





#81

sec-Butylbenzene

Concen: 19.718 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 429643

Ion Ratio Lower Upper

105 100

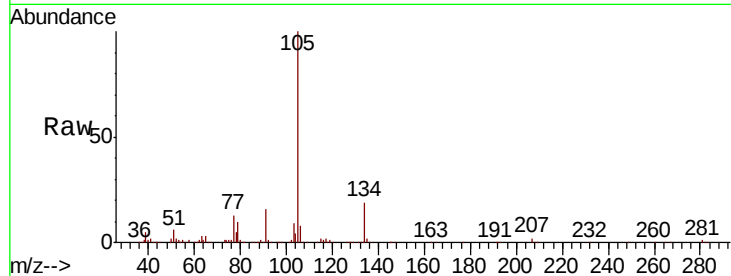
134 18.7 0.0 38.2

Manual Integrations

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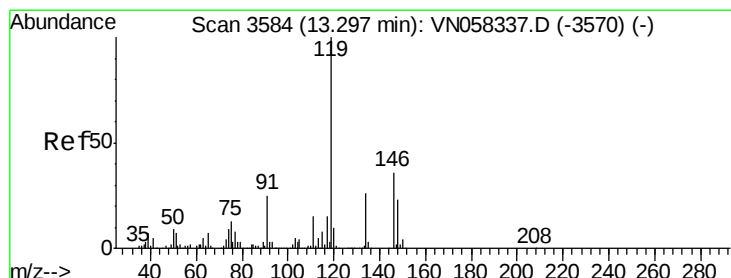
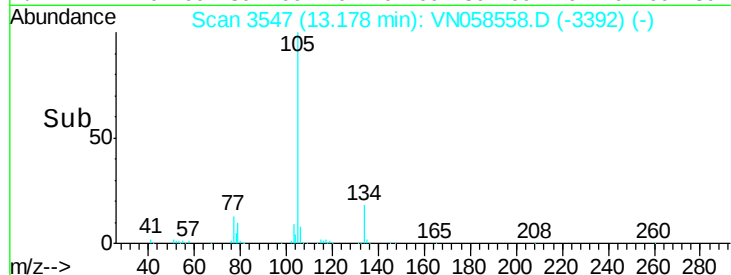
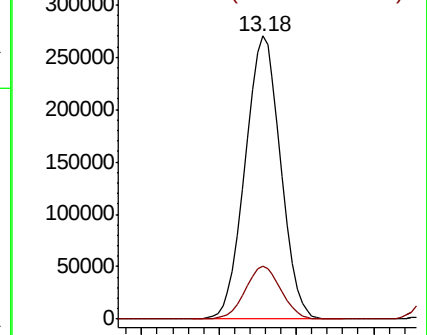
MMDadoda

10/9/2019 10:50:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.658 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

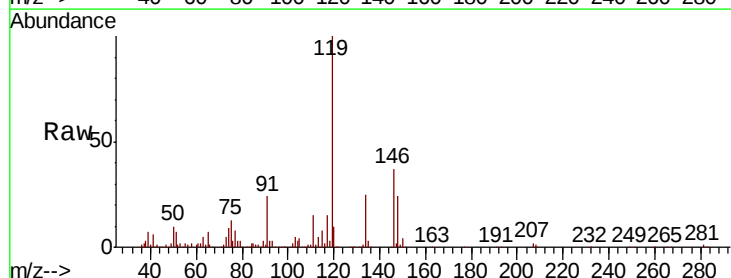
Tgt Ion:119 Resp: 385739

Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.6

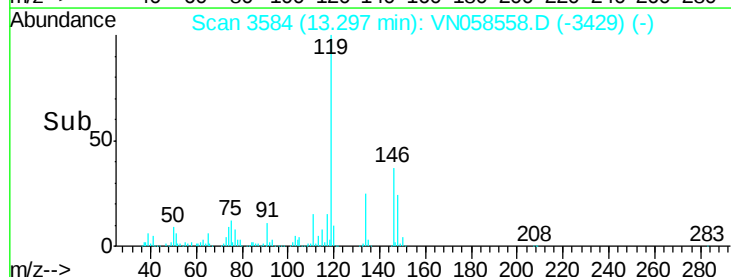
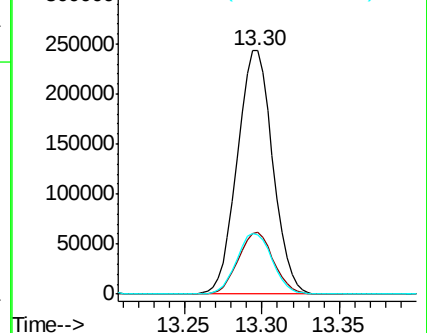
91 25.2 0.0 49.6

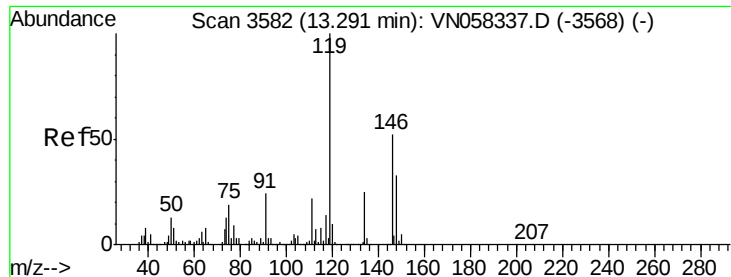


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





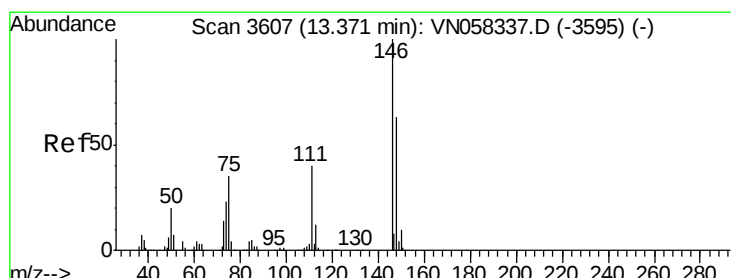
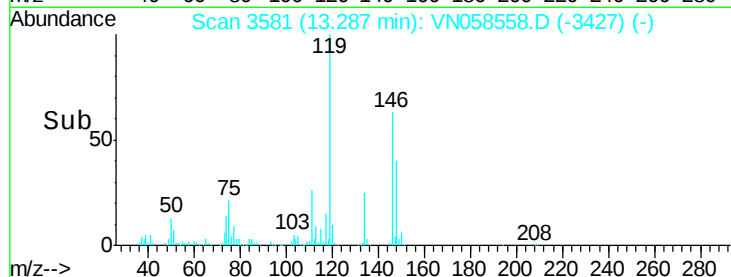
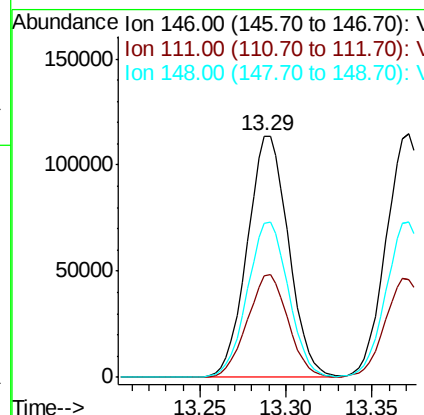
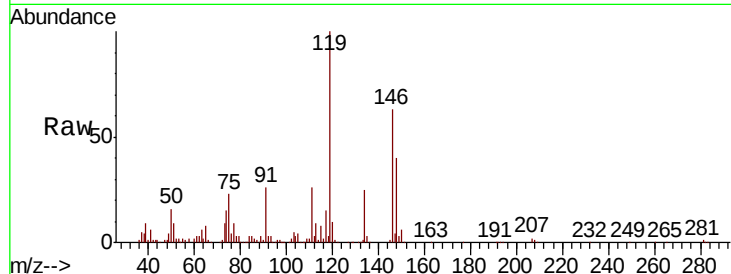
#83
 1,3-Dichlorobenzene
 Concen: 19.030 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.8
148	63.8	32.0	96.2

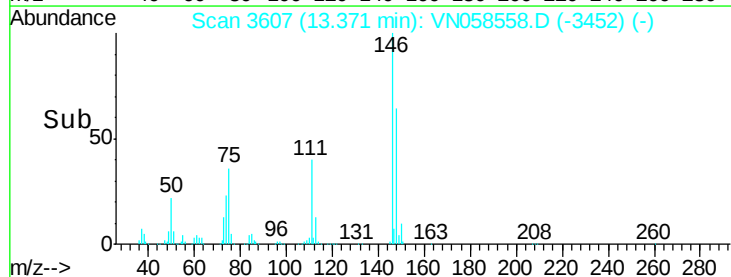
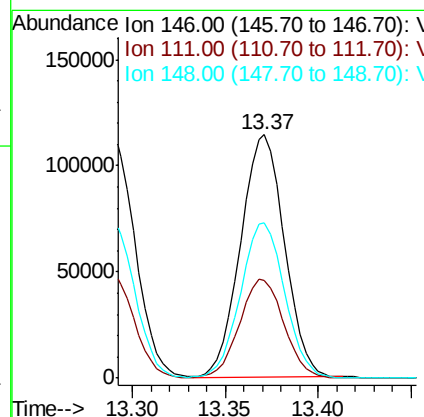
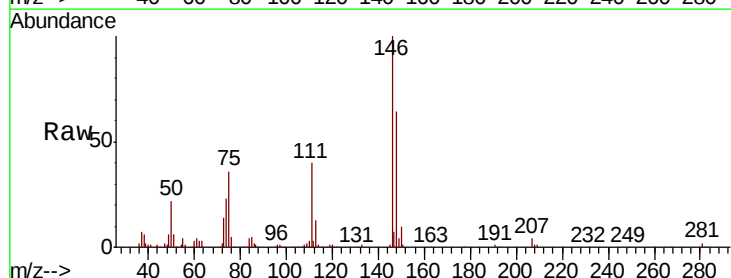
Manual Integrations
 APPROVED

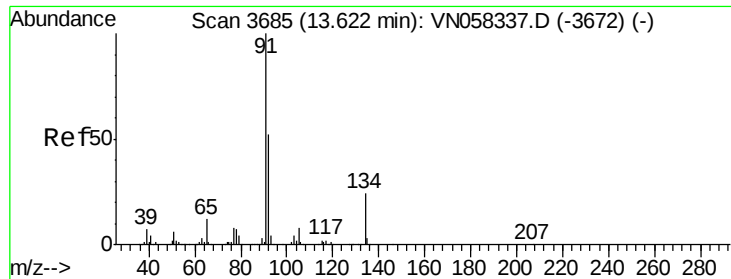
MMDadoda
 10/9/2019 10:50:16 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.953 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	64.2	31.9	95.7





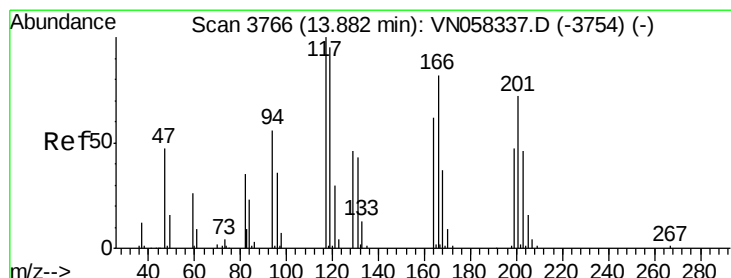
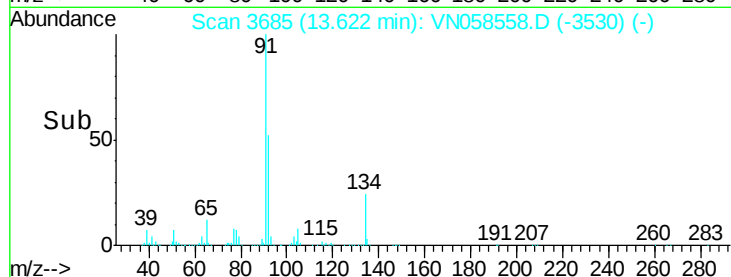
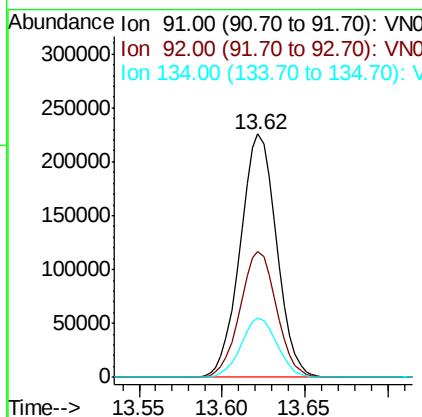
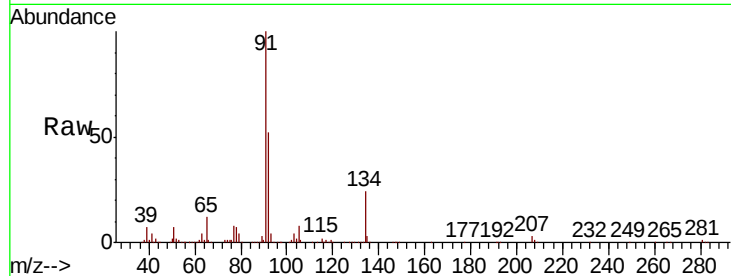
#85
n-Butylbenzene
Concen: 18.901 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	102.6
134	24.3	0.0	47.8

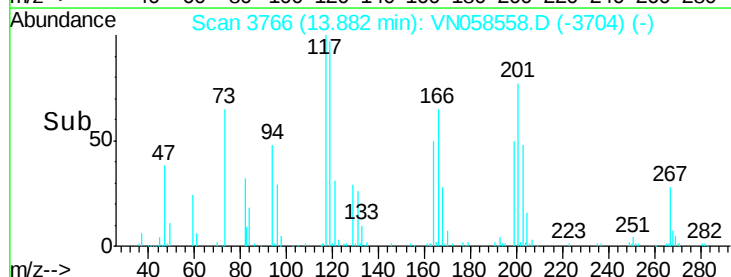
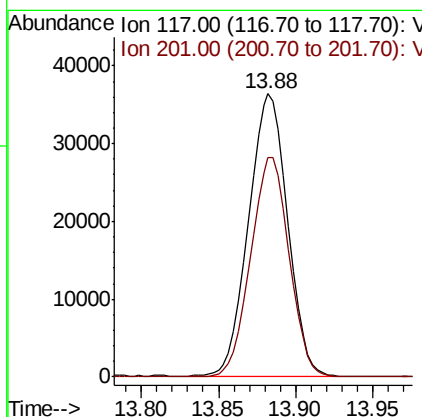
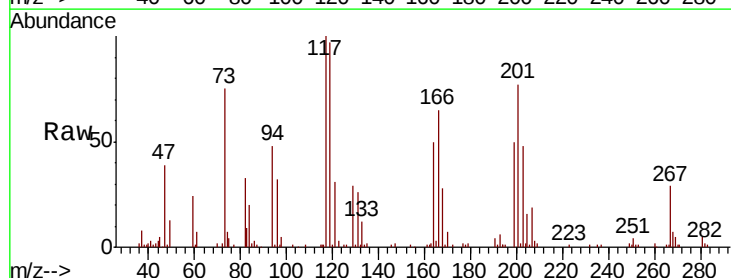
Manual Integrations
APPROVED

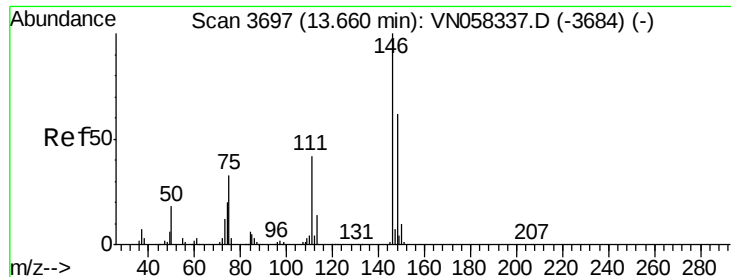
MMDadoda
10/9/2019 10:50:16 AM



#86
Hexachloroethane
Concen: 20.207 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	37.2	111.6





#87

1,2-Dichlorobenzene

Concen: 19.486 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

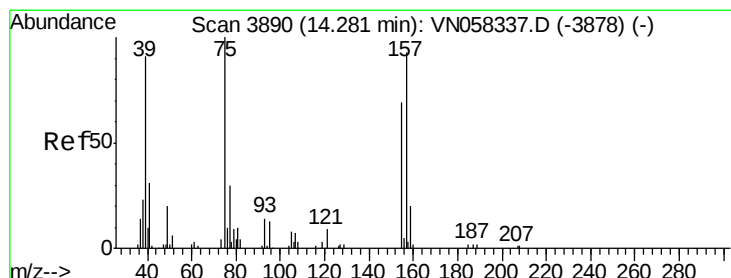
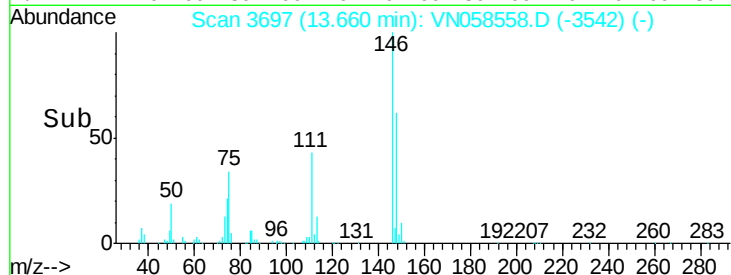
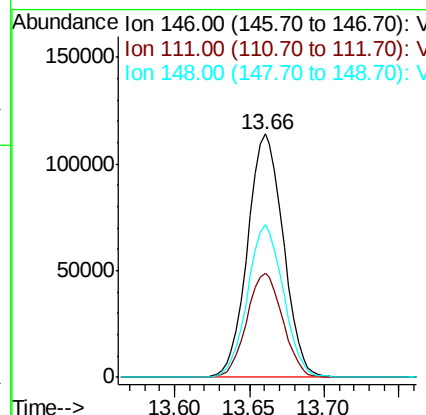
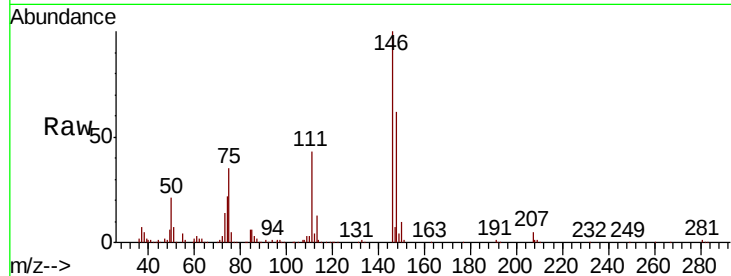
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	189478
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.1	63.3
148	62.9	31.9	95.7

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.546 ug/l

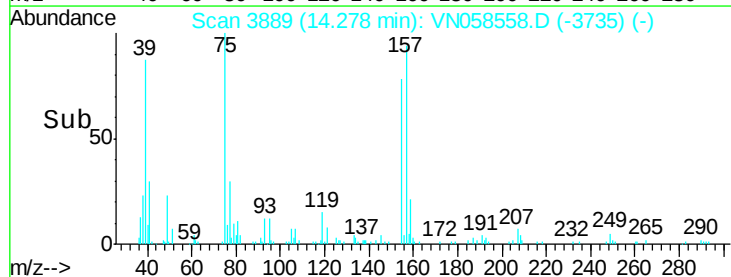
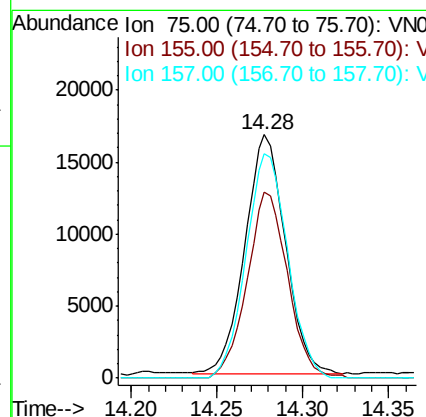
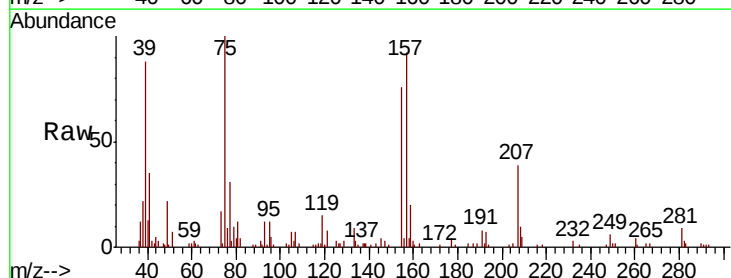
RT: 14.28 min Scan# 3889

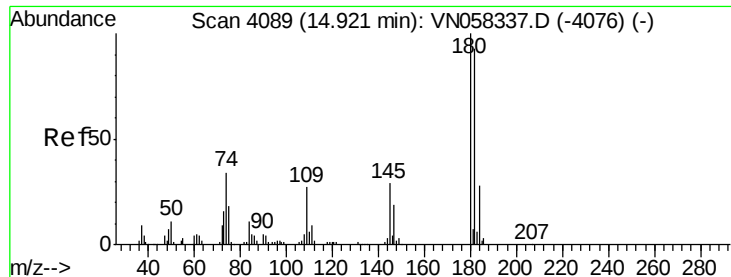
Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Tgt Ion:	75	Resp:	27019
Ion Ratio	Lower	Upper	
75	100		
155	78.2	58.5	87.7
157	97.2	75.4	113.2





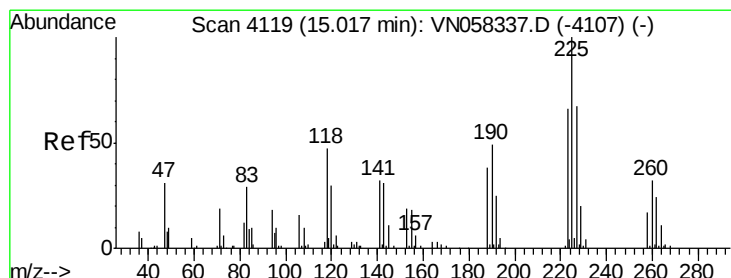
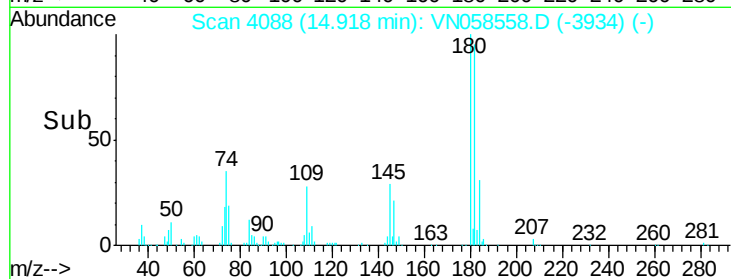
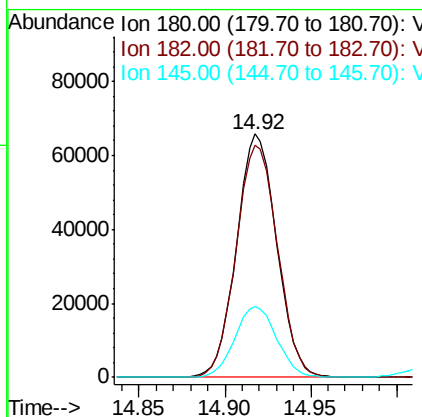
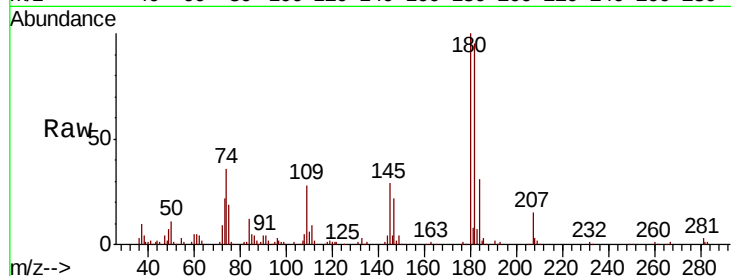
#89
 1,2,4-Trichlorobenzene
 Concen: 16.766 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	75.2	112.8
145	30.3	25.1	37.7

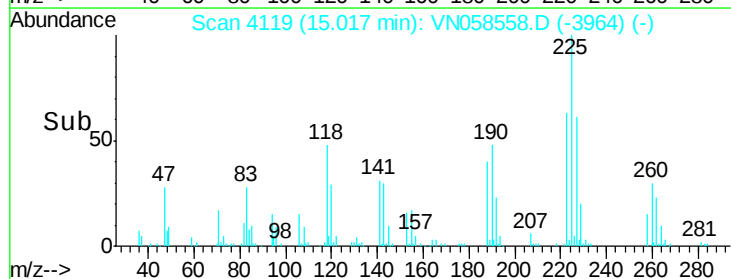
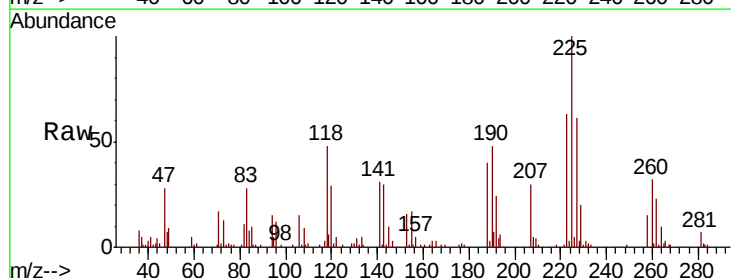
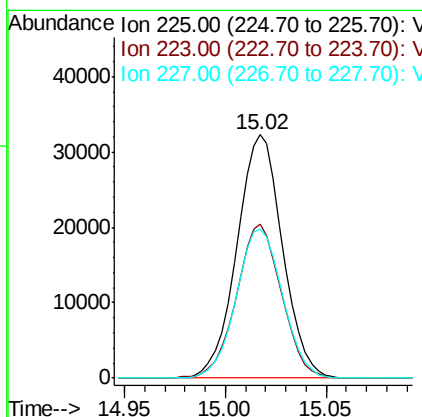
Manual Integrations
 APPROVED

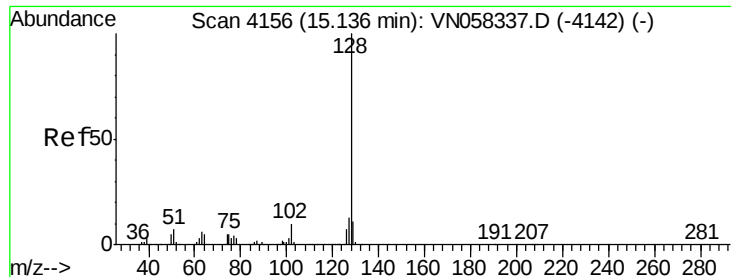
MMDadoda
 10/9/2019 10:50:16 AM



#90
 Hexachlorobutadiene
 Concen: 16.623 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	132.6
227	62.1	0.0	129.2





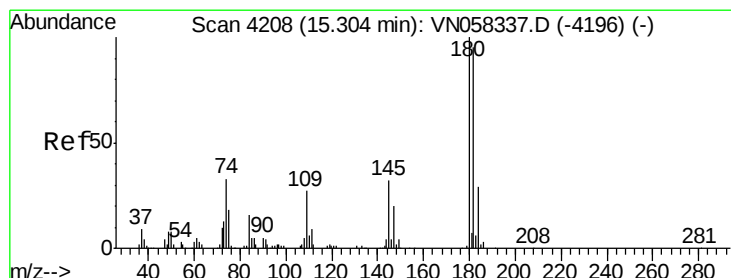
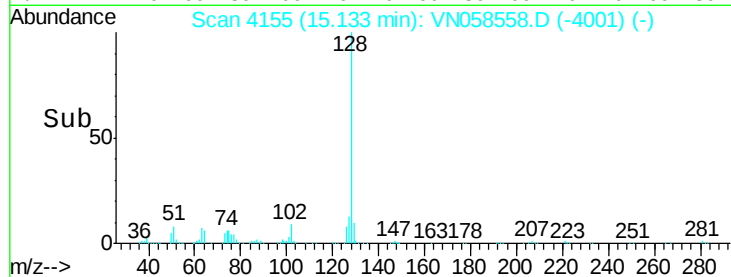
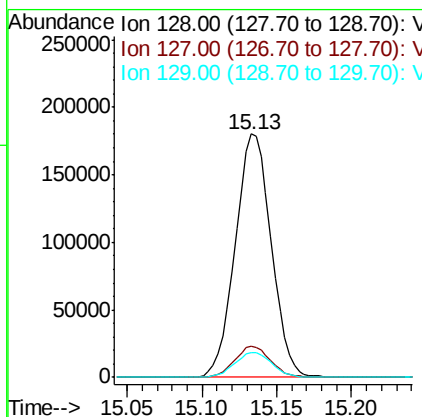
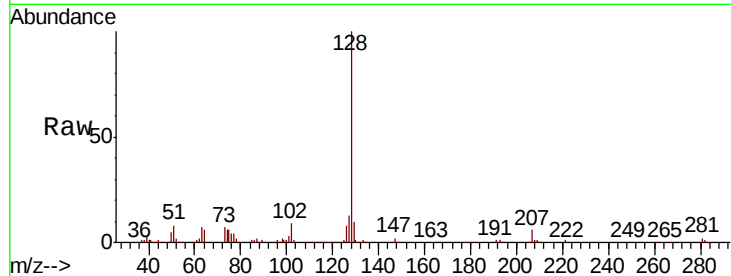
#91
Naphthalene
Concen: 17.296 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.5	8.6	13.0

Manual Integrations
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MMDadoda
10/9/2019 10:50:16 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.564 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	189.4
145	33.2	0.0	64.0

