

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058556.D
 Acq On : 4 Oct 2019 20:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:08:55 PM

Quant Time: Oct 05 05:09:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	281978	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
35) Dibromofluoromethane	7.57	113	203906	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.08	98	798804	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.41	95	297569	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	207514	48.336	ug/l	100
3) Chloromethane	2.04	50	256305	54.303	ug/l	99
4) Vinyl Chloride	2.17	62	230601	49.874	ug/l	100
5) Bromomethane	2.54	94	112860	45.955	ug/l	98
6) Chloroethane	2.68	64	152672	55.109	ug/l	99
7) Trichlorofluoromethane	2.99	101	339546	60.854	ug/l	98
8) Diethyl Ether	3.39	74	122433	50.857	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	189253	49.944	ug/l	99
10) Methyl Iodide	3.93	142	148073	35.241	ug/l	99
11) Tert butyl alcohol	4.76	59	201062	316.317	ug/l	98
12) 1,1-Dichloroethene	3.72	96	180825	48.957	ug/l	98
13) Acrolein	3.58	56	57772	285.760	ug/l	99
14) Allyl chloride	4.30	41	354815	52.787	ug/l	97
15) Acrylonitrile	4.96	53	518177	279.715	ug/l	99
16) Acetone	3.79	43	446222	228.777	ug/l	98
17) Carbon Disulfide	4.03	76	475839	48.873	ug/l	98
18) Methyl Acetate	4.30	43	267378	54.504	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	686819	52.701	ug/l	98
20) Methylene Chloride	4.53	84	224928	49.971	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	199925	48.675	ug/l	99
22) Diisopropyl ether	5.93	45	764752	52.870	ug/l	99
23) Vinyl Acetate	5.87	43	3108189	284.985	ug/l	99
24) 1,1-Dichloroethane	5.82	63	426457	52.387	ug/l	99
25) 2-Butanone	6.81	43	702346	262.272	ug/l	100
26) 2,2-Dichloropropane	6.80	77	334260	49.946	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	241483	50.304	ug/l	100
28) Bromochloromethane	7.18	49	173496	53.317	ug/l	97
29) Tetrahydrofuran	7.19	42	460761	271.090	ug/l	100
30) Chloroform	7.35	83	429279	52.039	ug/l	98
31) Cyclohexane	7.63	56	363116	45.856	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	369946	54.612	ug/l	100
36) 1,1-Dichloropropene	7.78	75	314543	49.844	ug/l	99
37) Ethyl Acetate	6.91	43	302614	56.561	ug/l	100
38) Carbon Tetrachloride	7.76	117	311644	54.711	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	352513	47.835	ug/l	100
40) Benzene	8.02	78	920857	50.766	ug/l	100
41) Methacrylonitrile	7.15	41	137680	55.936	ug/l	95
42) 1,2-Dichloroethane	8.11	62	361575	51.235	ug/l	99
43) Isopropyl Acetate	8.15	43	527217	52.402	ug/l #	90
44) Trichloroethene	8.82	130	232415	51.890	ug/l	99
45) 1,2-Dichloropropane	9.11	63	256162	52.655	ug/l	100
46) Dibromomethane	9.20	93	163328	53.014	ug/l	98
47) Bromodichloromethane	9.39	83	331913	56.861	ug/l	99
48) Methyl methacrylate	9.19	41	241908	52.804	ug/l	100
49) 1,4-Dioxane	9.19	88	86018	1404.217	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1545946	299.140	ug/l	99
52) Toluene	10.15	92	584458	51.190	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	369876	58.217	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396599	56.235	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	232640	55.959	ug/l	98
56) Ethyl methacrylate	10.43	69	355691	56.384	ug/l	99
57) 1,3-Dichloropropane	10.71	76	405265	54.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	873063	347.086	ug/l	99
59) 2-Hexanone	10.75	43	1093099	290.482	ug/l	100
60) Dibromochloromethane	10.90	129	236336	54.952	ug/l	100
61) 1,2-Dibromoethane	11.00	107	231869	54.584	ug/l	100
64) Tetrachloroethene	10.63	164	210899	53.956	ug/l	99
65) Chlorobenzene	11.43	112	620412	50.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	230664	55.982	ug/l	100
67) Ethyl Benzene	11.51	91	1141495	51.533	ug/l	99
68) m/p-Xylenes	11.62	106	841003	100.911	ug/l	99
69) o-Xylene	11.95	106	401550	50.052	ug/l	98
70) Styrene	11.97	104	689847	52.929	ug/l	99
71) Bromoform	12.13	173	150246	52.727	ug/l #	99
73) Isopropylbenzene	12.25	105	1108129	49.334	ug/l	99
74) N-amyl acetate	12.07	43	479537	53.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	340485	51.262	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	302361m	54.465	ug/l	
77) Bromobenzene	12.53	156	257790	48.946	ug/l	96
78) n-propylbenzene	12.60	91	1309778	51.758	ug/l	100
79) 2-Chlorotoluene	12.68	91	769787	49.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	953070	50.687	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98929	54.122	ug/l	97
82) 4-Chlorotoluene	12.78	91	807527	50.666	ug/l	99
83) tert-Butylbenzene	13.00	119	792510	49.949	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	946156	50.224	ug/l	99
85) sec-Butylbenzene	13.18	105	1088739	52.135	ug/l	100
86) p-Isopropyltoluene	13.29	119	969735	52.754	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	476450	49.889	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	475181	50.010	ug/l	100
89) n-Butylbenzene	13.62	91	903404	54.254	ug/l	100
90) Hexachloroethane	13.88	117	157181	56.911	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	467932	50.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	64591	55.145	ug/l	97

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QLast Update : Mon Sep 30 08:07:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	282122	55.638	ug/l	99
94) Hexachlorobutadiene	15.02	225	135864	52.130	ug/l	99
95) Naphthalene	15.13	128	776017	52.260	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	264973	52.123	ug/l	98

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

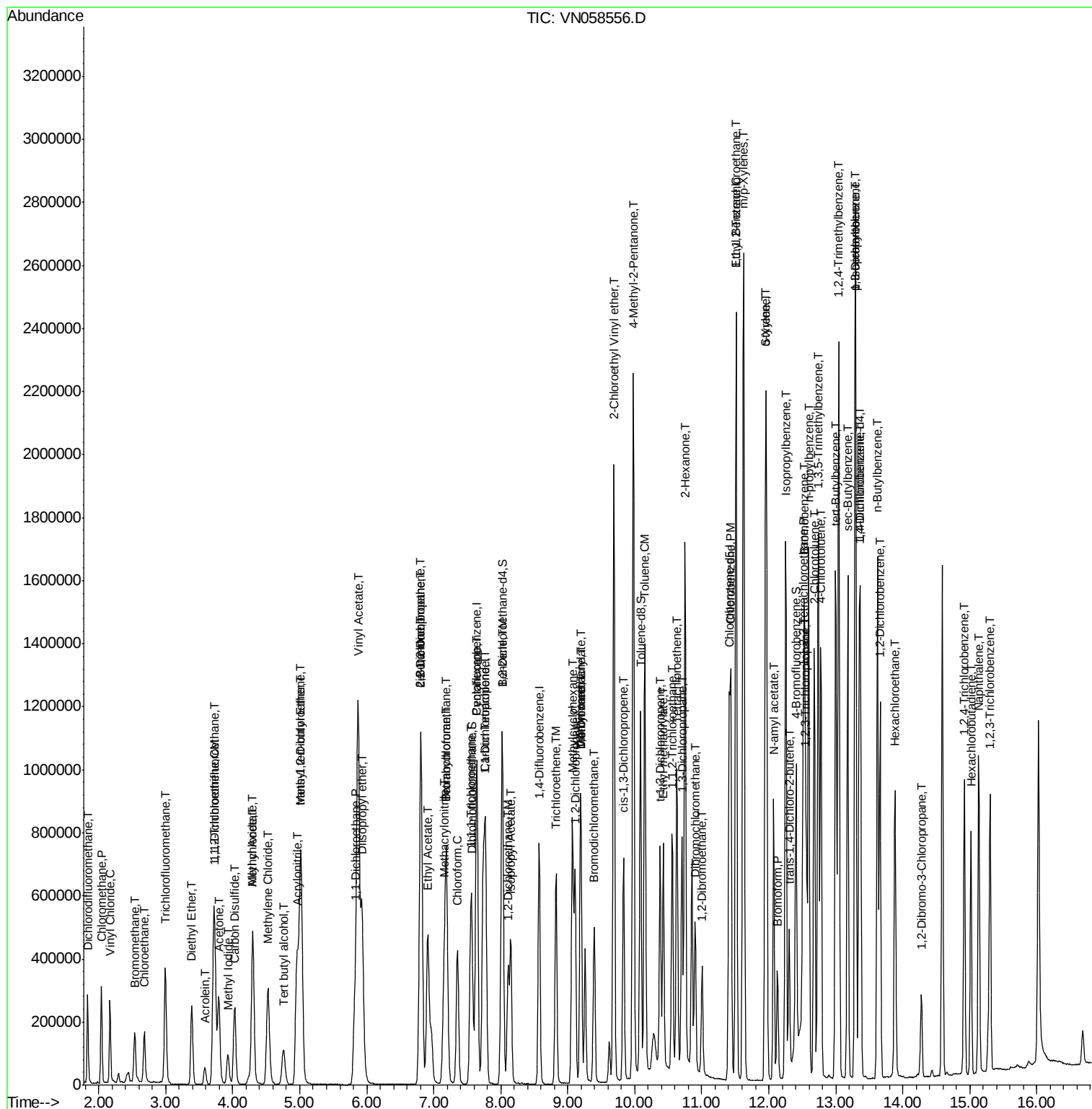
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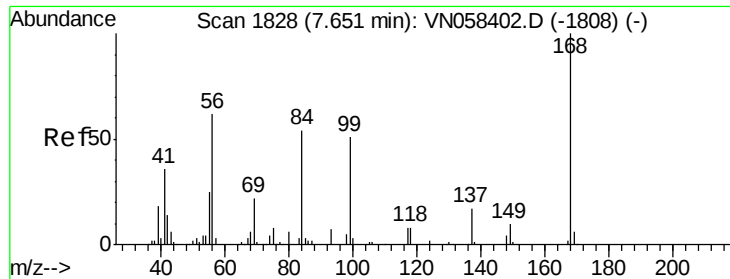
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 391538

Ion Ratio Lower Upper

168 100

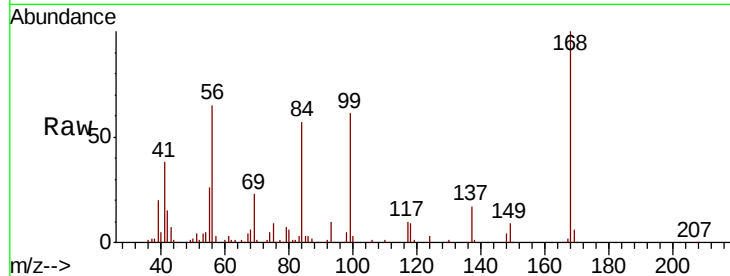
99 60.5 47.7 71.5

Manual Integrations

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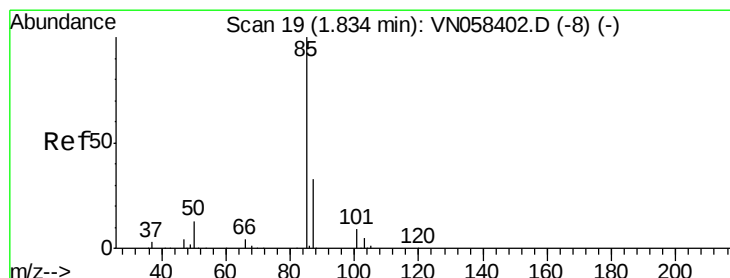
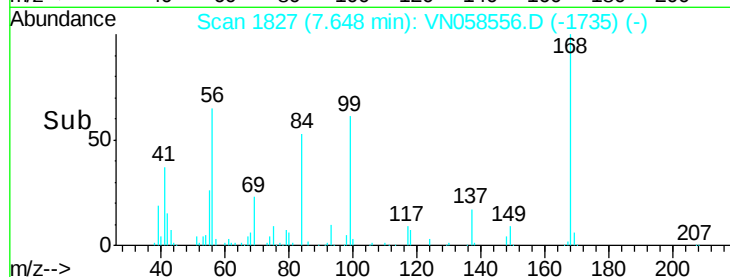
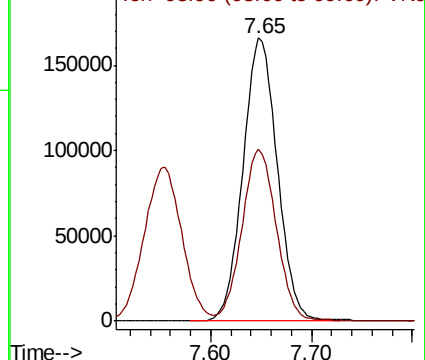
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.336 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058556.D

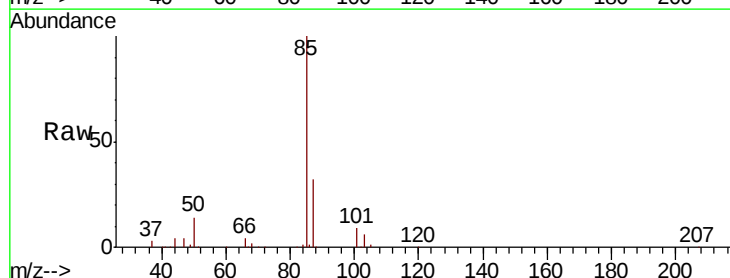
Acq: 4 Oct 2019 20:56

Tgt Ion: 85 Resp: 207514

Ion Ratio Lower Upper

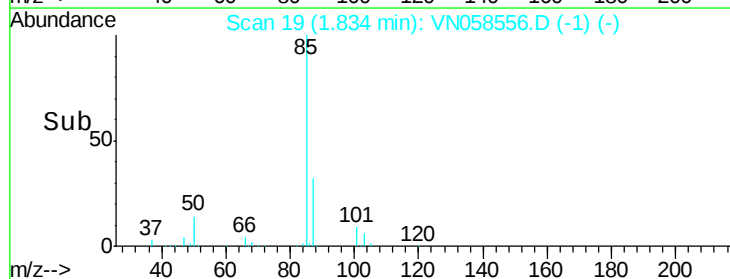
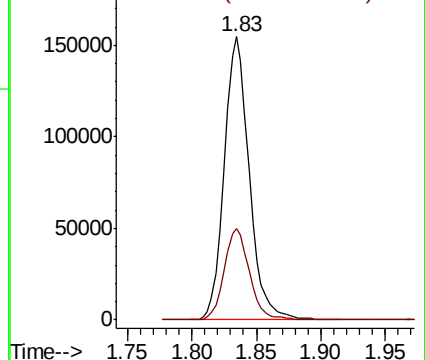
85 100

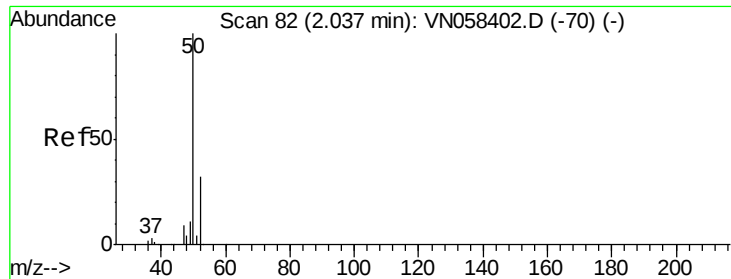
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.303 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 256305

Ion Ratio Lower Upper

50 100

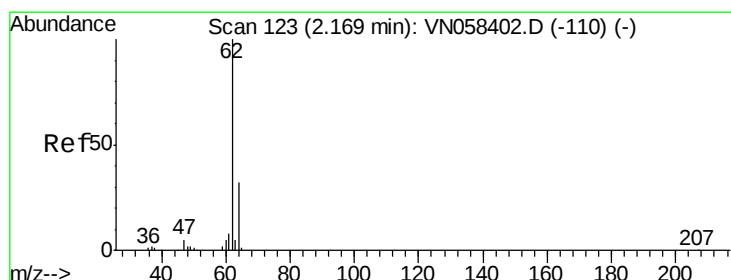
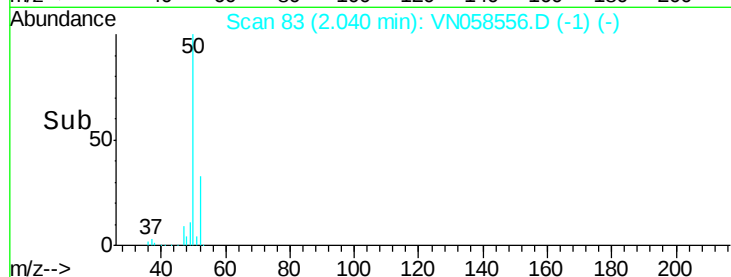
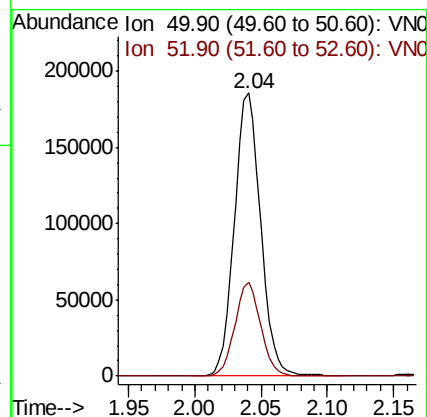
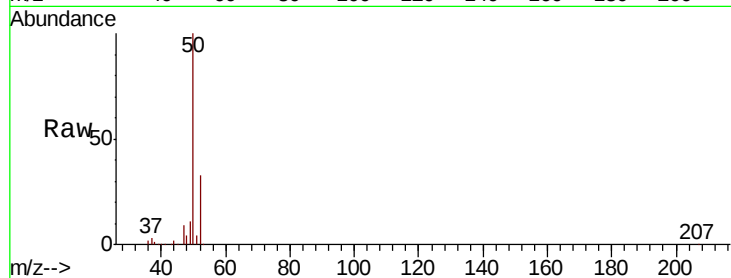
52 33.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.874 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058556.D

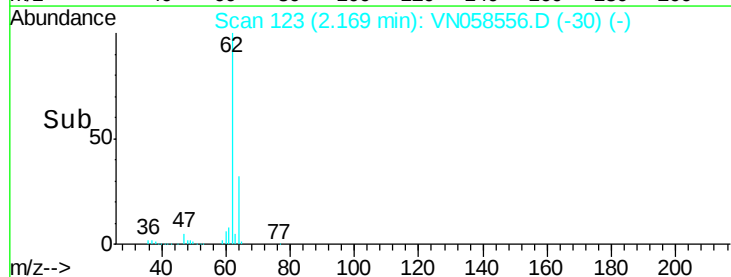
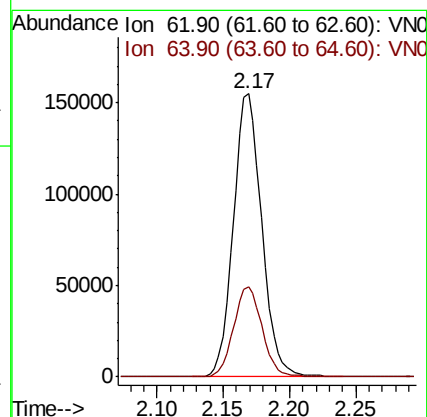
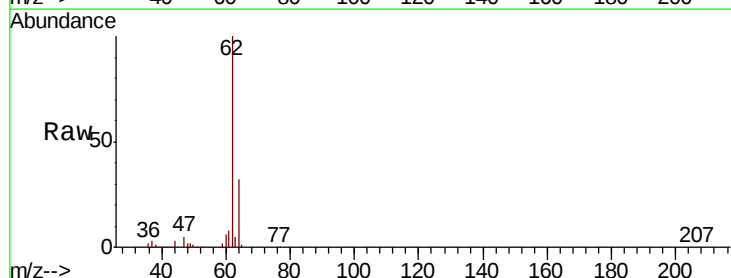
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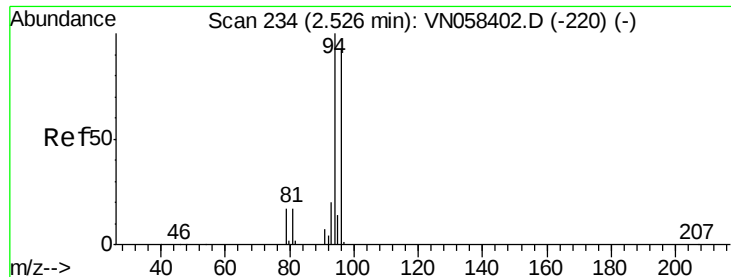
Tgt Ion: 62 Resp: 230601

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 45.955 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

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Tot Ion: 94 Resp: 112860

Ion Ratio Lower Upper

94 100

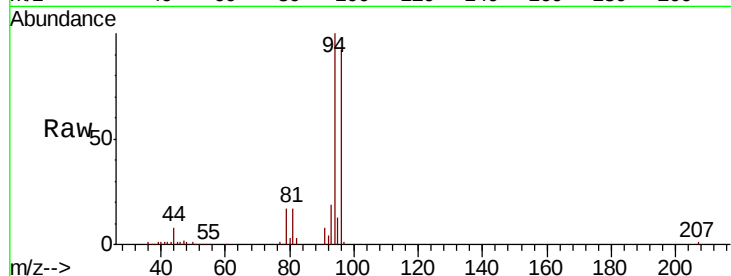
96 91.6 74.8 112.2

Manual Integrations

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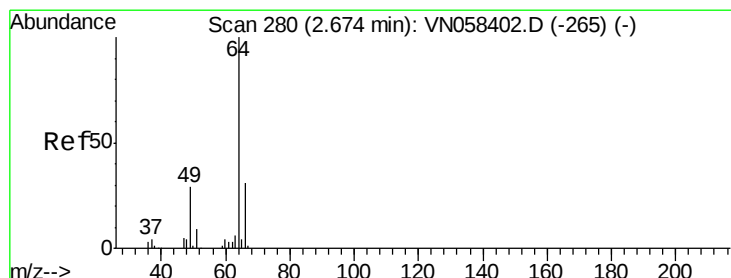
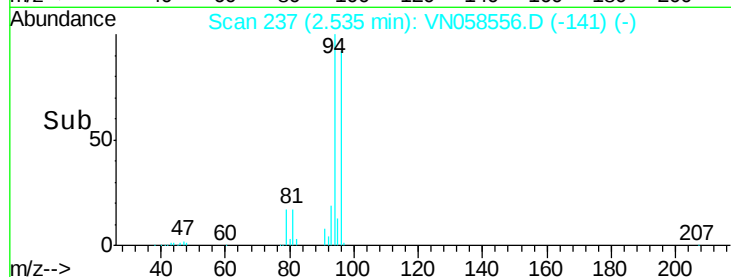
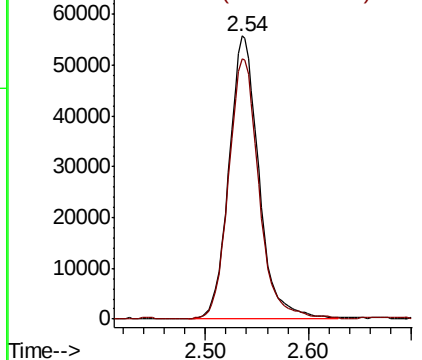
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 55.109 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

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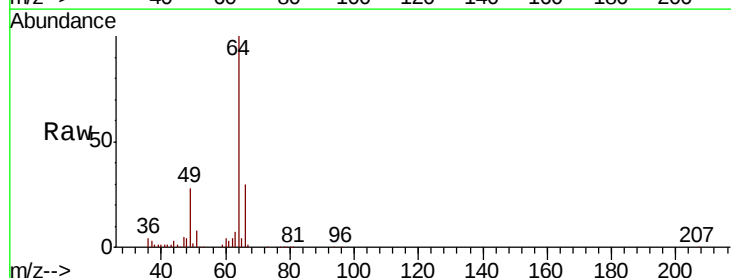
Acq: 4 Oct 2019 20:56

Tgt Ion: 64 Resp: 152672

Ion Ratio Lower Upper

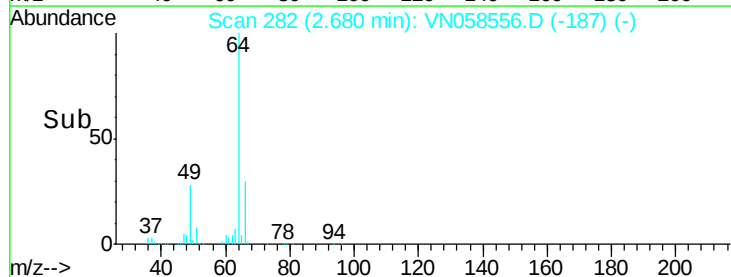
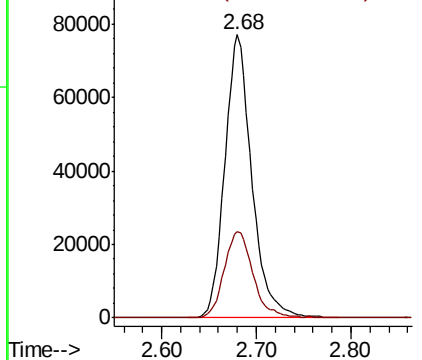
64 100

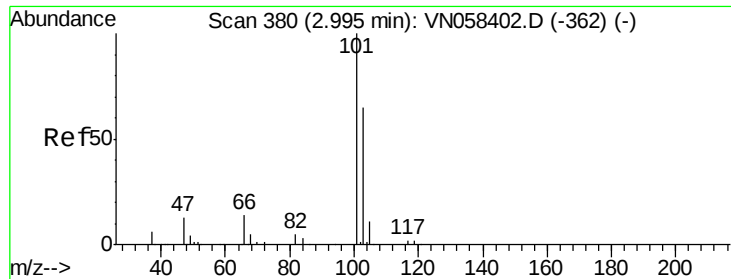
66 30.2 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

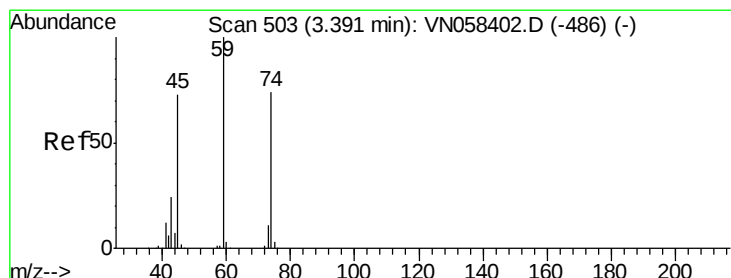
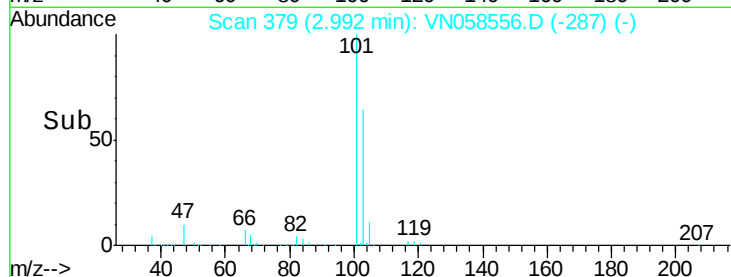
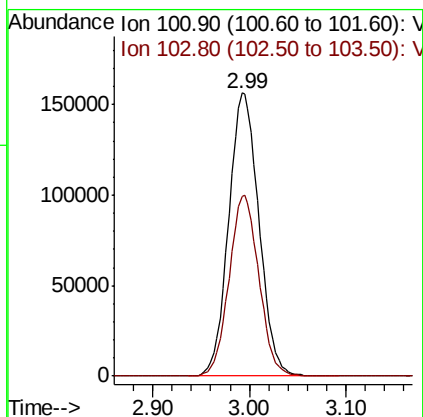
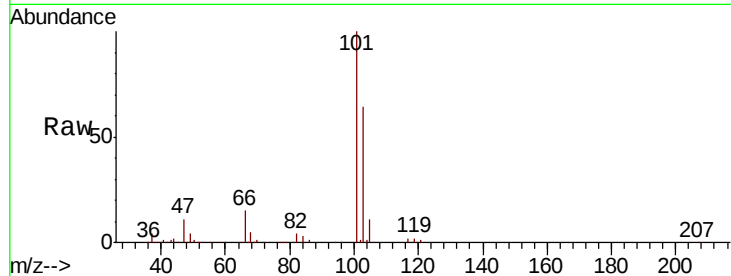
Trichlorofluoromethane
 Concen: 60.854 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058556.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.3	78.5

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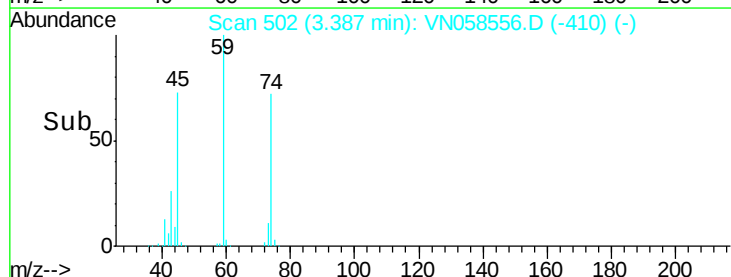
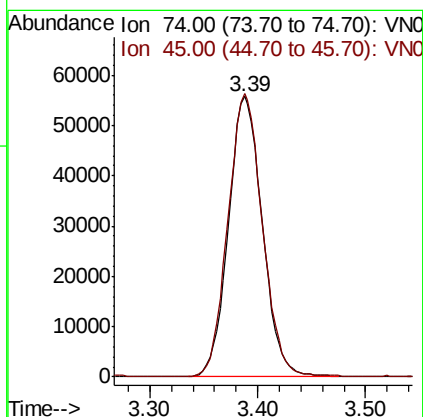
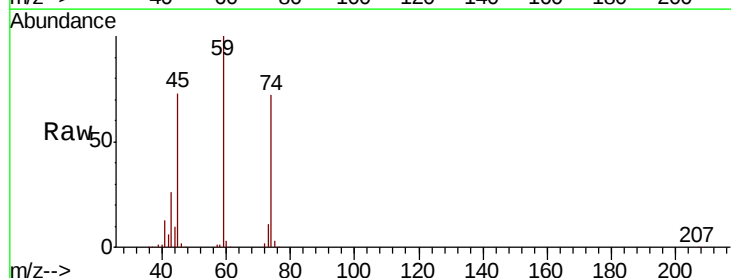
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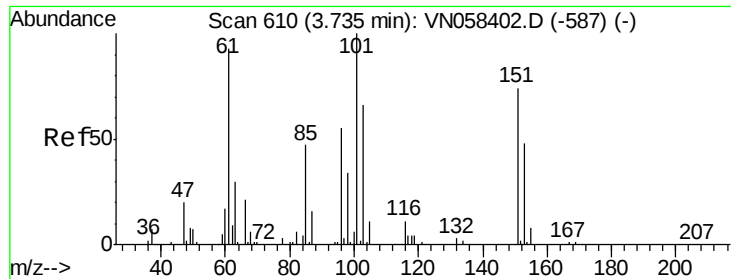


#8

Diethyl Ether
 Concen: 50.857 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.944 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

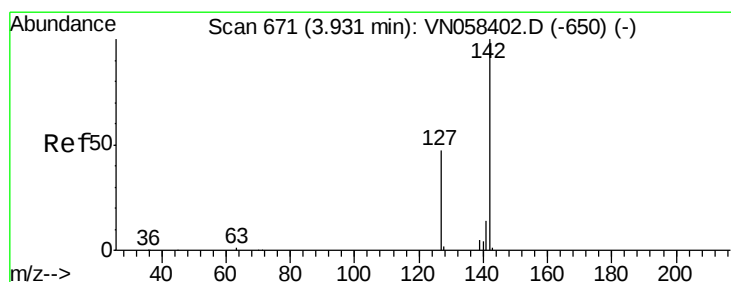
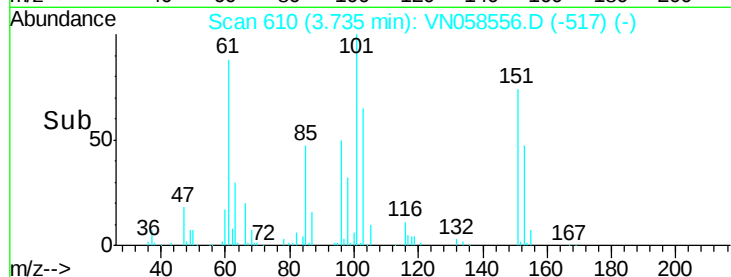
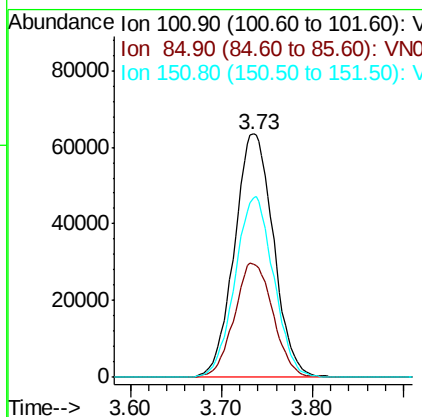
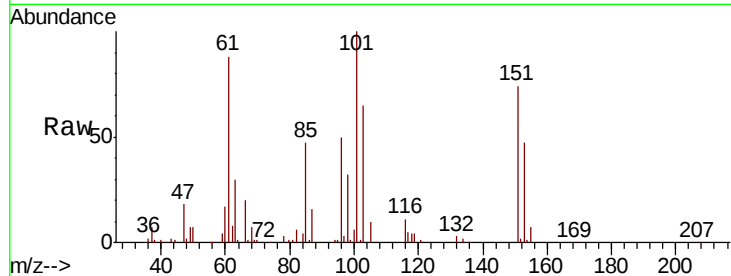
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	189253
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.7	55.1
151	73.6	59.4	89.0

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#10

Methyl Iodide

Concen: 35.241 ug/l

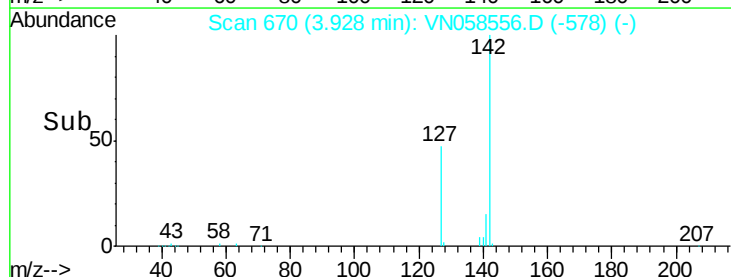
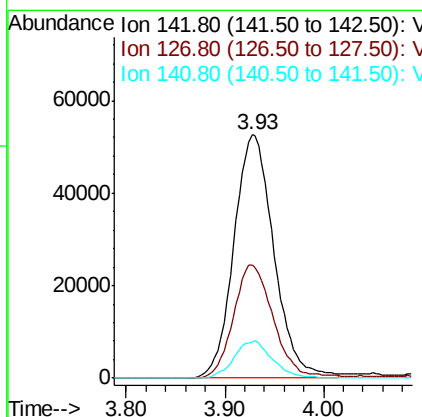
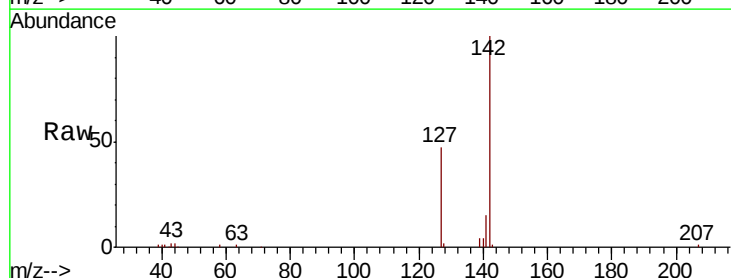
RT: 3.93 min Scan# 670

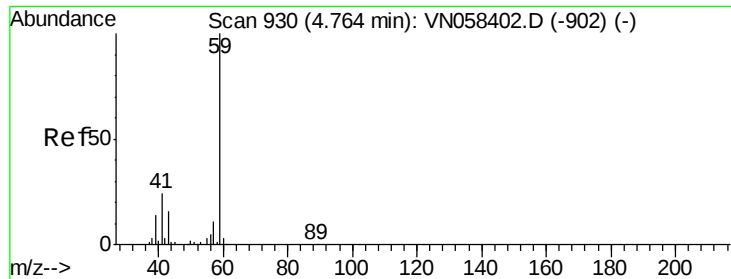
Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	142	Resp:	148073
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.2	55.8
141	14.7	11.3	16.9





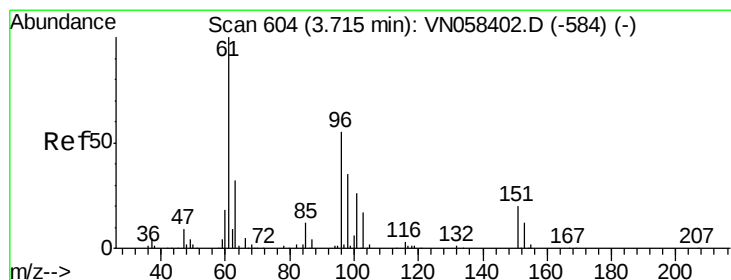
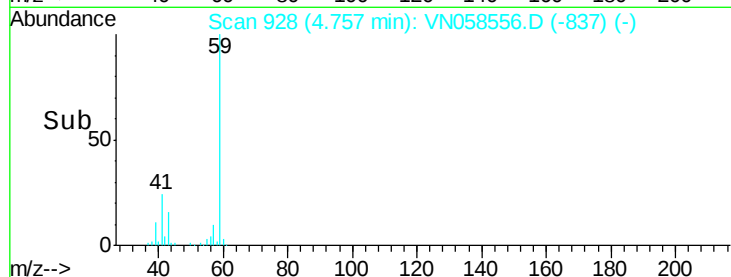
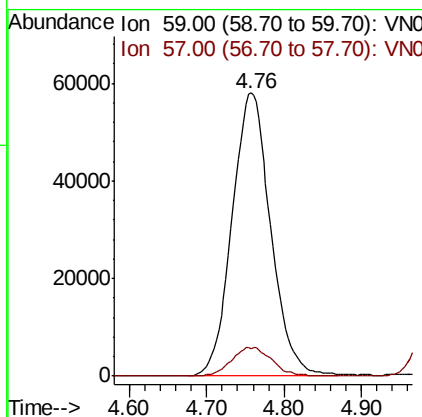
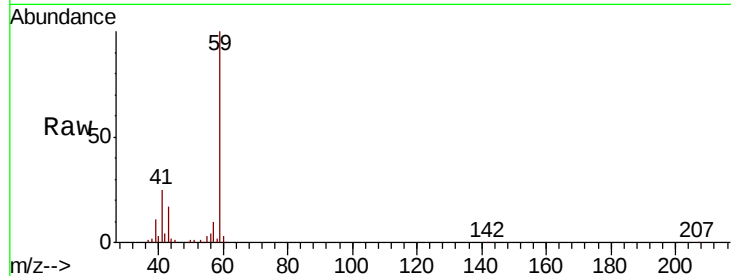
#11
Tert butyl alcohol
Concen: 316.317 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 201062
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4

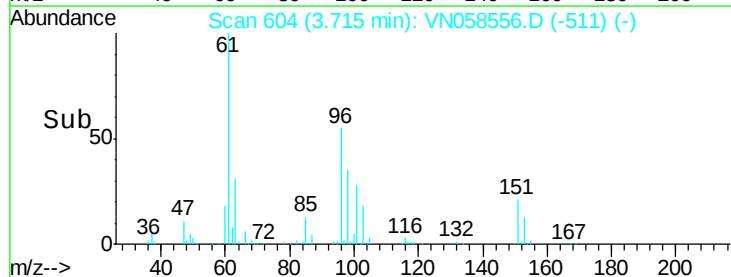
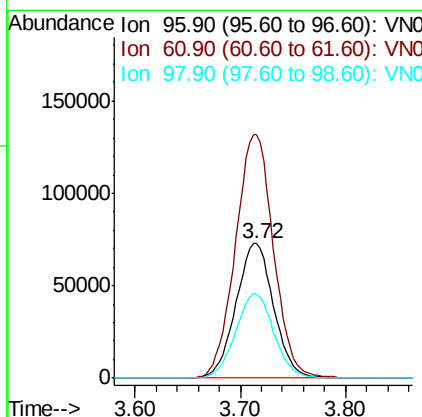
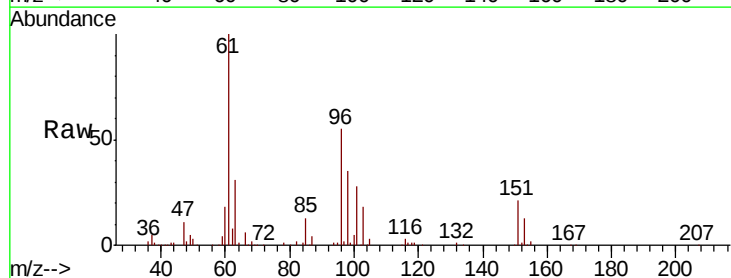
Manual Integrations
APPROVED

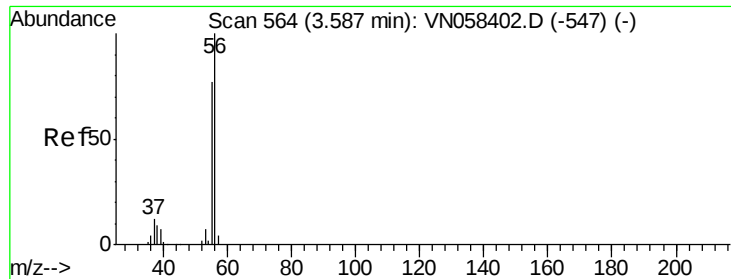
MMDadoda
10/7/2019 12:08:55 PM



#12
1,1-Dichloroethene
Concen: 48.957 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 96 Resp: 180825
Ion Ratio Lower Upper
96 100
61 181.2 146.7 220.1
98 62.7 51.3 76.9





#13

Acrolein

Concen: 285.760 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 57772

Ion Ratio Lower Upper

56 100

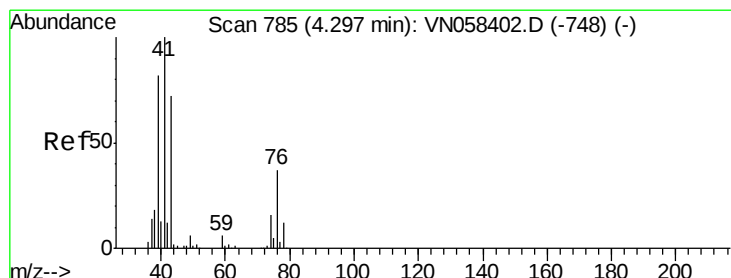
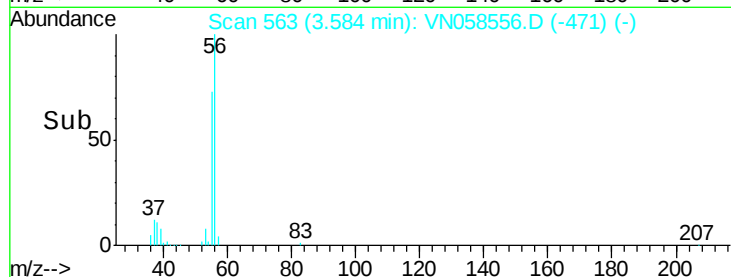
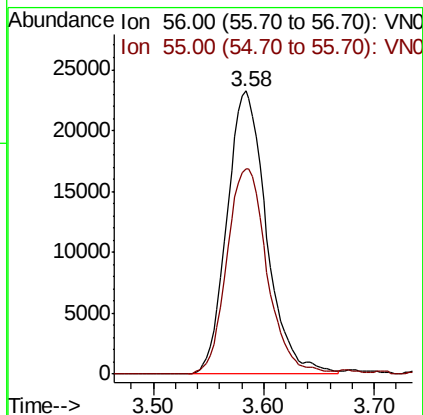
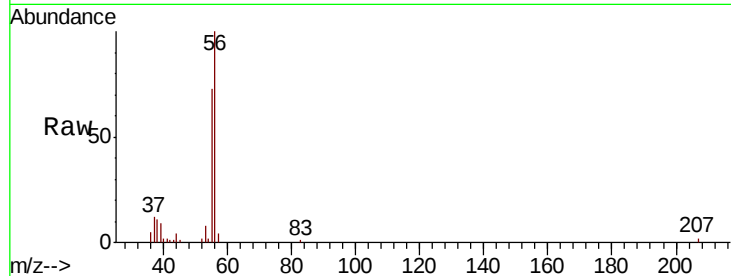
55 73.8 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 52.787 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

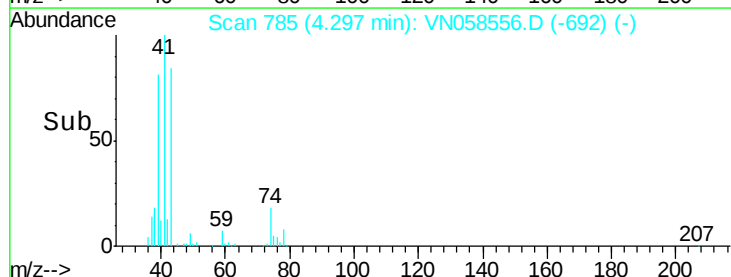
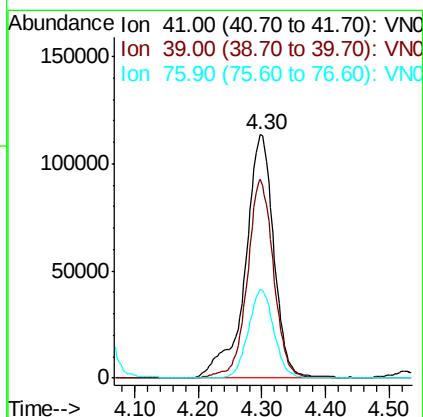
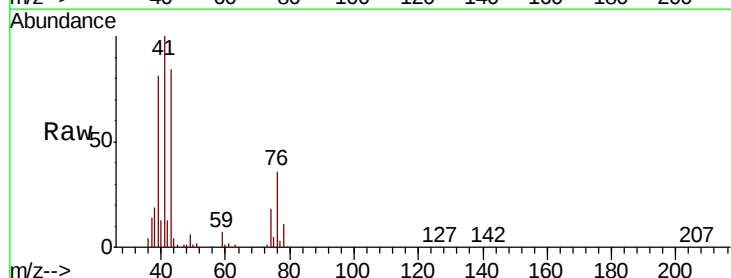
Tgt Ion: 41 Resp: 354815

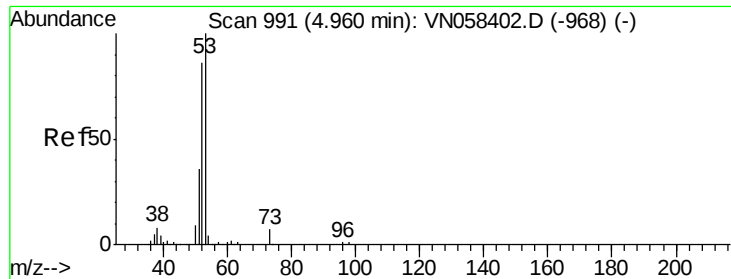
Ion Ratio Lower Upper

41 100

39 75.1 62.3 93.5

76 32.0 26.9 40.3





#15

Acrylonitrile

Concen: 279.715 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

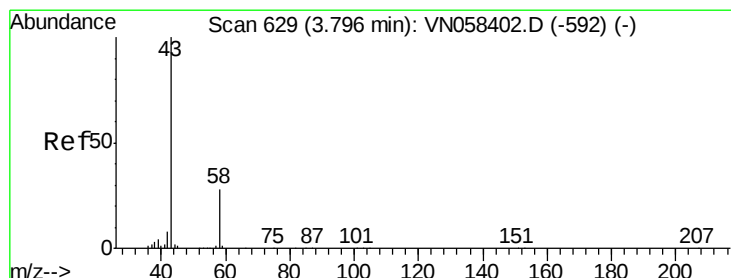
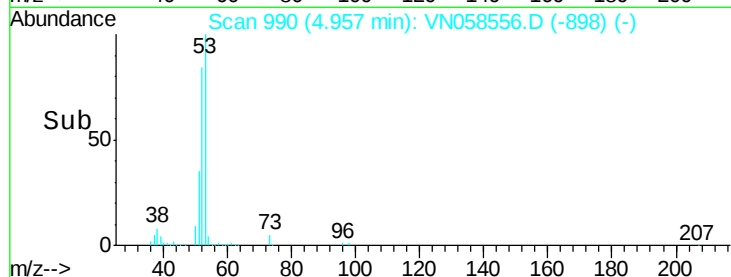
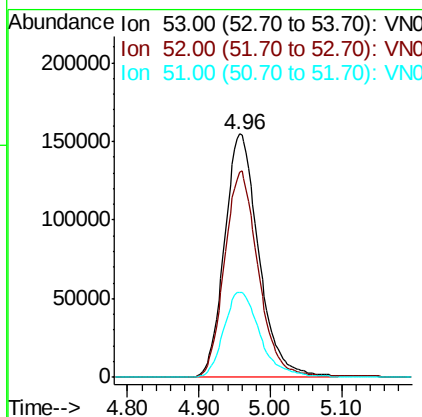
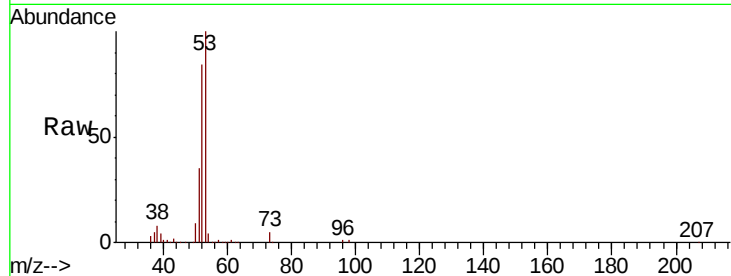
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	518177
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 228.777 ug/l

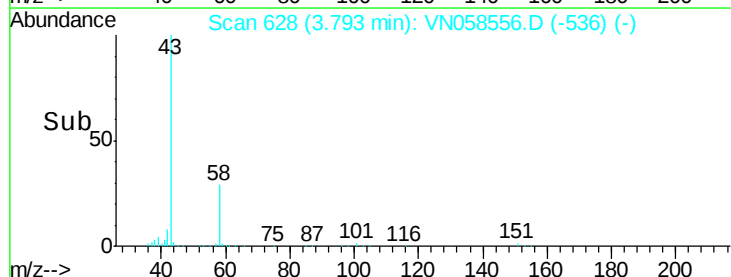
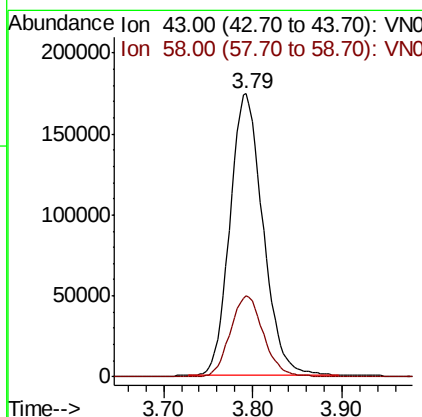
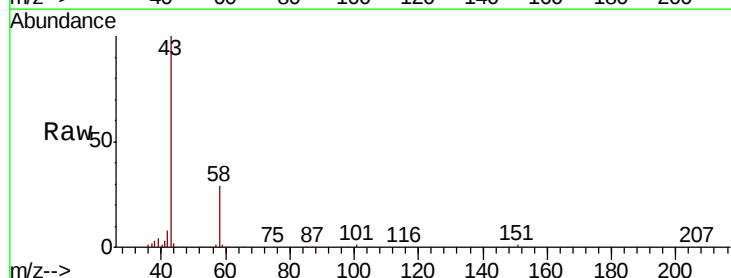
RT: 3.79 min Scan# 628

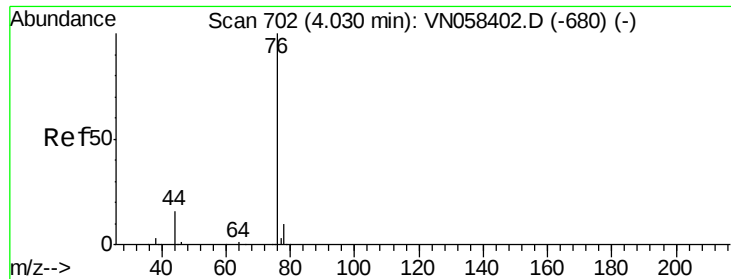
Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	43	Resp:	446222
Ion Ratio	Lower	Upper	
43	100		
58	28.8	22.4	33.6





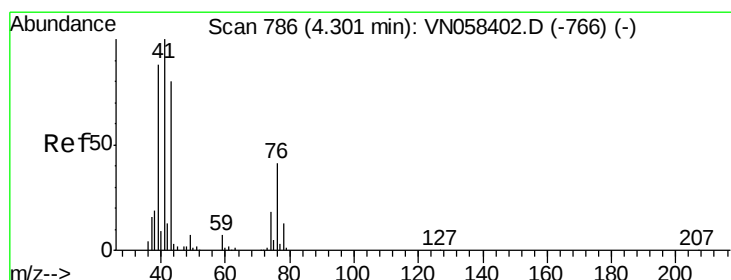
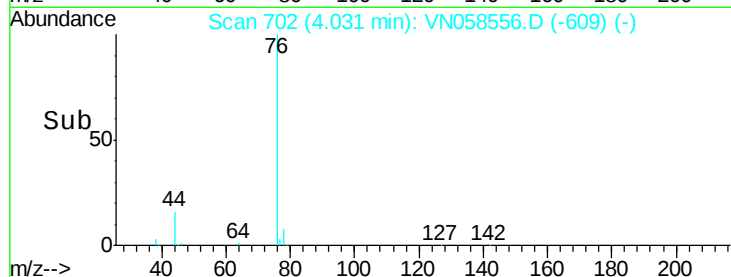
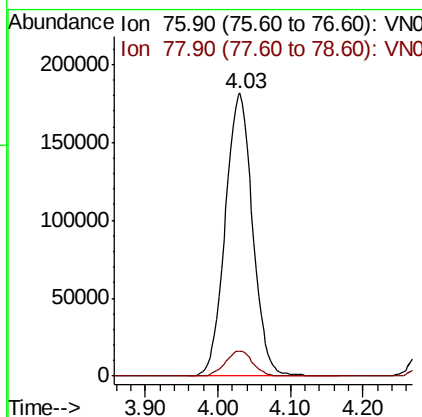
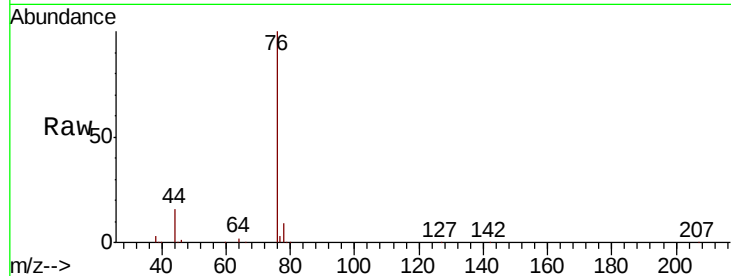
#17
Carbon Disulfide
Concen: 48.873 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.7	11.5

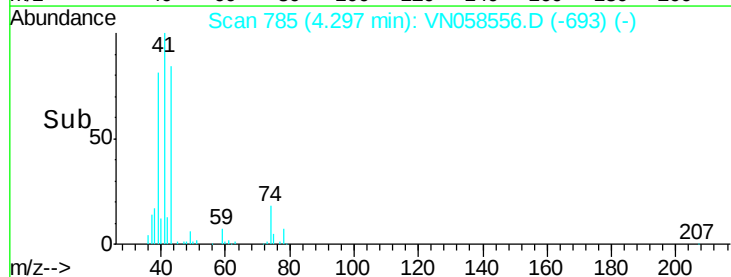
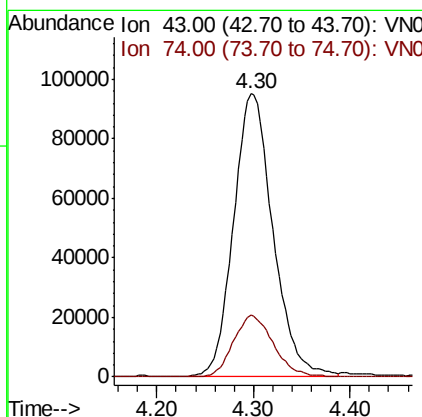
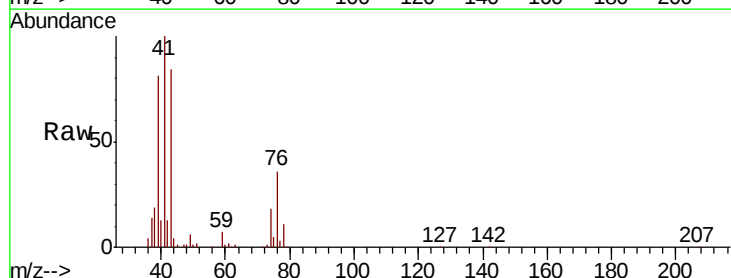
Manual Integrations
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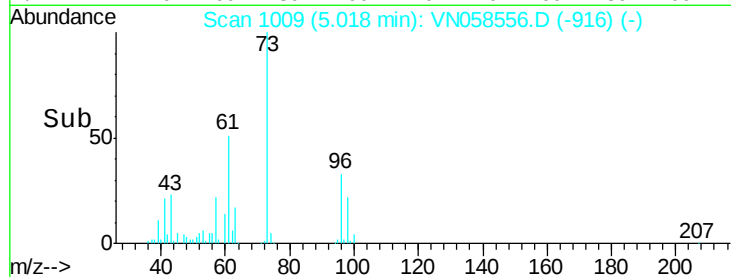
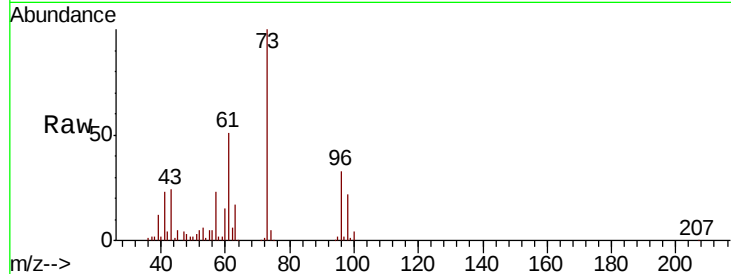
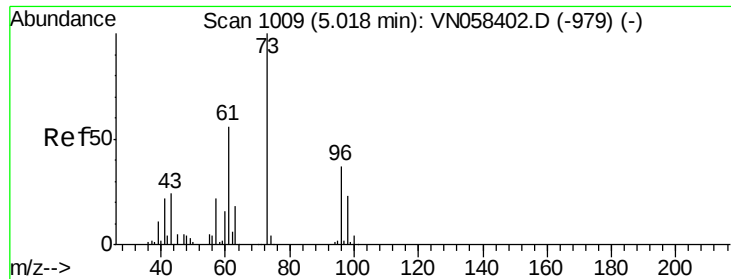
MMDadoda
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#18
Methyl Acetate
Concen: 54.504 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.0	27.0





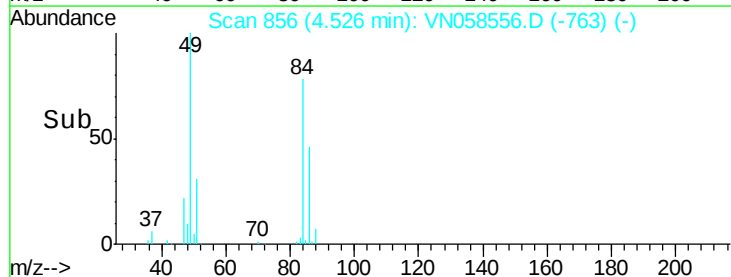
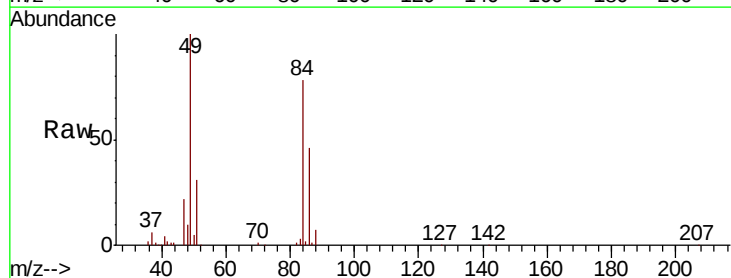
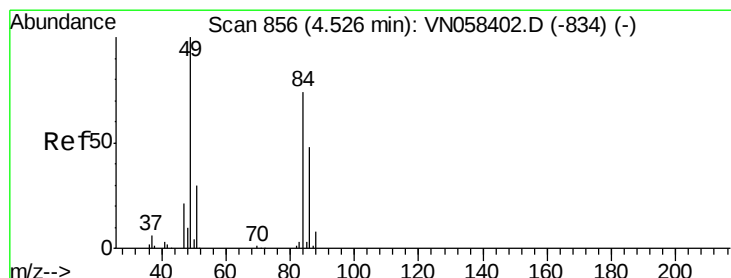
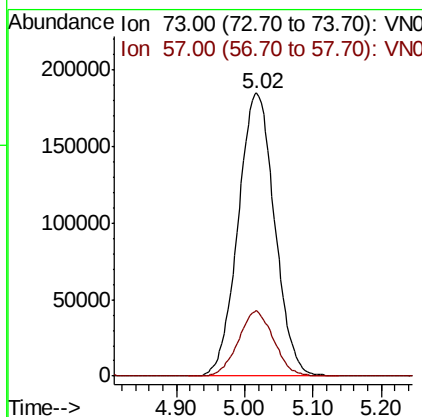
#19
Methvl tert-butvl Ether
Concen: 52.701 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tot Ion: 73 Resp: 686819
Ion Ratio Lower Upper
73 100
57 23.1 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

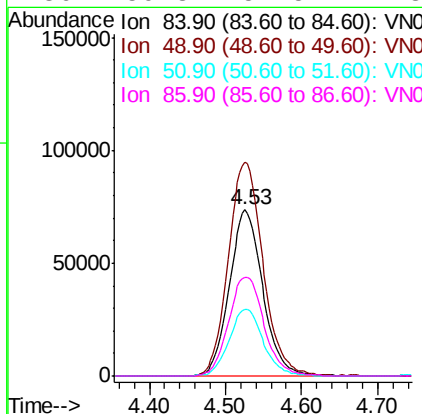
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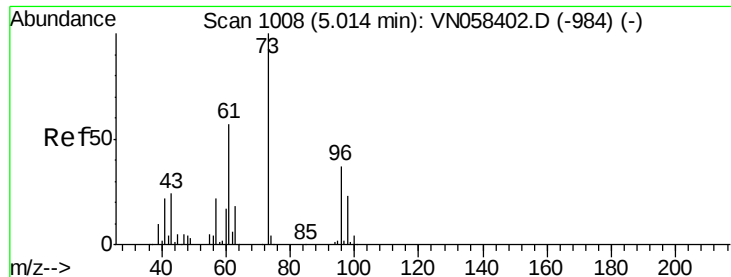
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#20
Methylene Chloride
Concen: 49.971 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 84 Resp: 224928
Ion Ratio Lower Upper
84 100
49 128.8 107.9 161.9
51 39.9 32.8 49.2
86 59.3 51.5 77.3





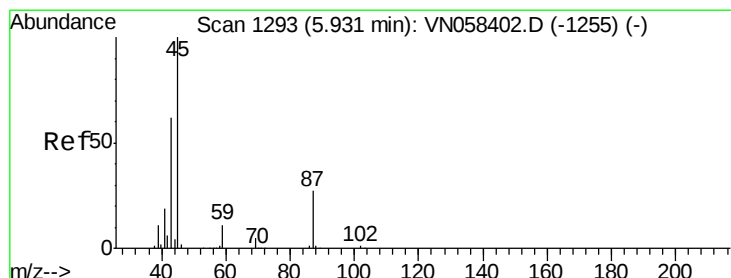
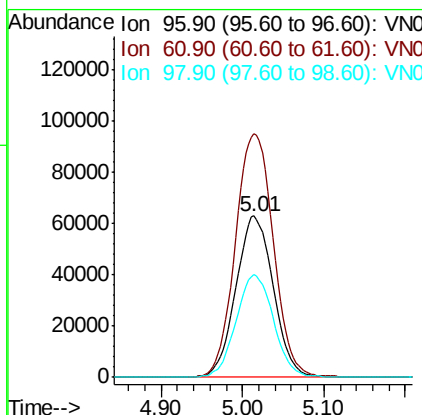
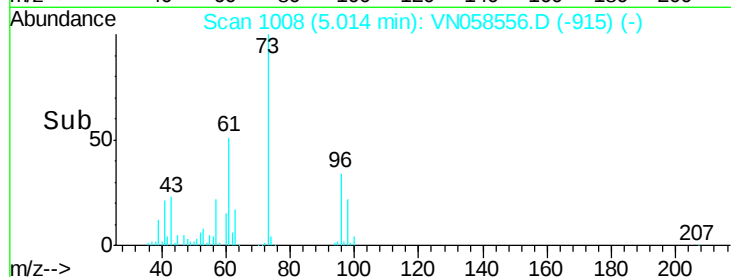
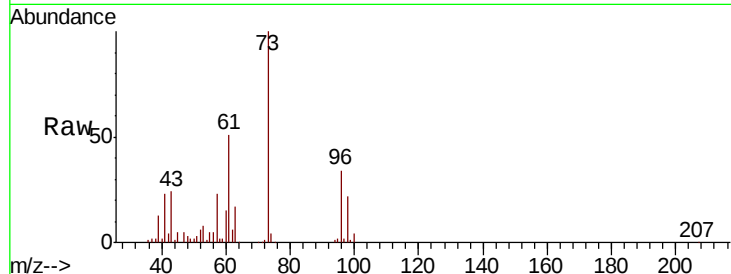
#21
trans-1,2-Dichloroethene
Concen: 48.675 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	121.9	182.9
98	63.7	49.3	73.9

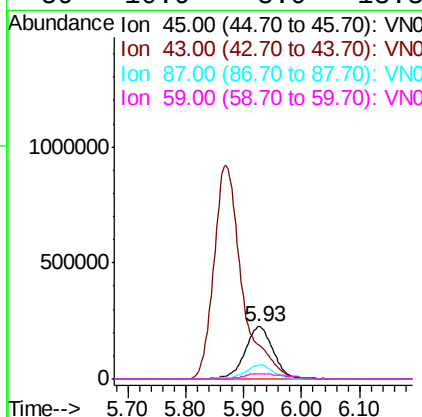
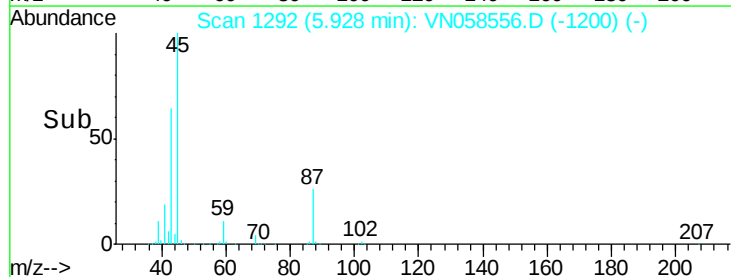
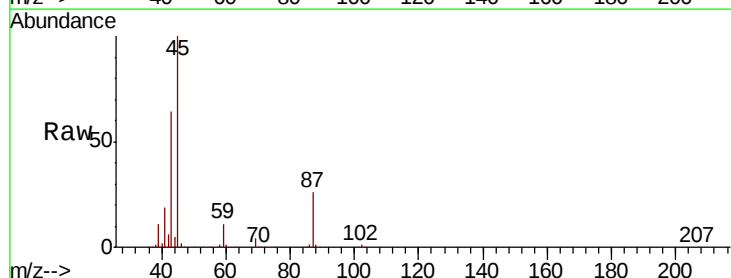
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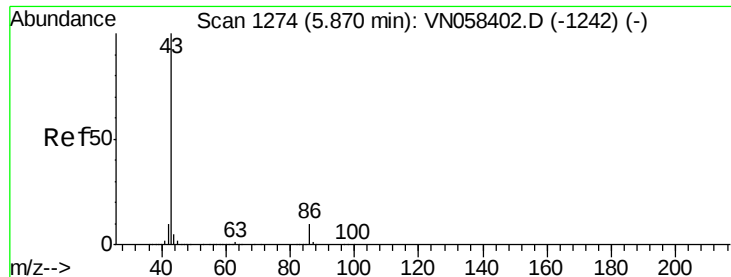
MMDadoda
10/7/2019 12:08:55 PM



#22
Diisopropyl ether
Concen: 52.870 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	49.7	74.5
87	26.1	21.5	32.3
59	10.9	8.9	13.3





#23

Vinyl Acetate

Concen: 284.985 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3108189

Ion Ratio Lower Upper

43 100

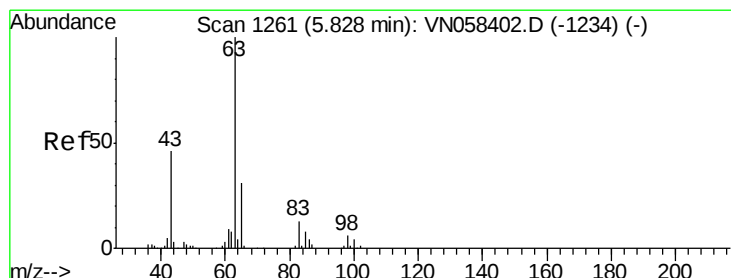
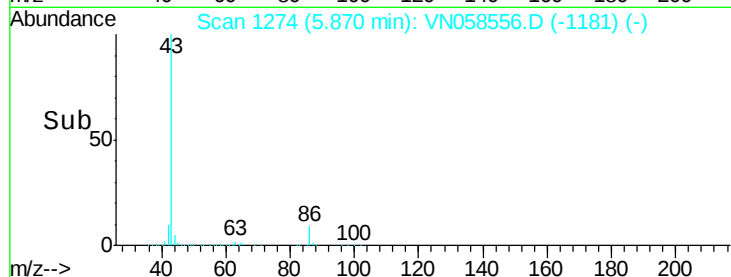
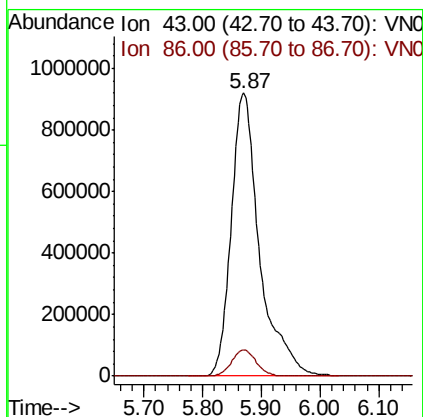
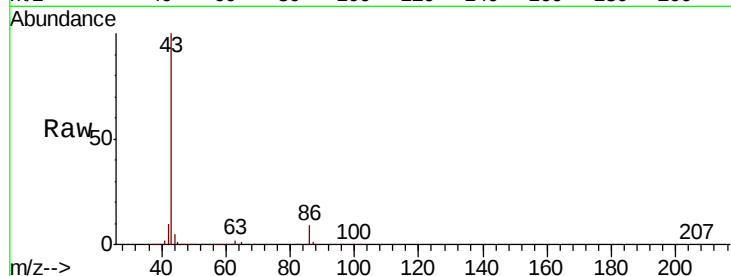
86 9.3 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.387 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

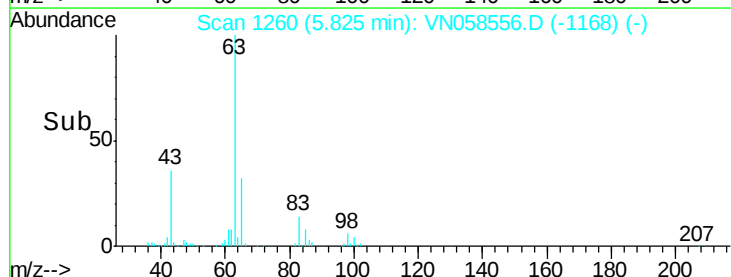
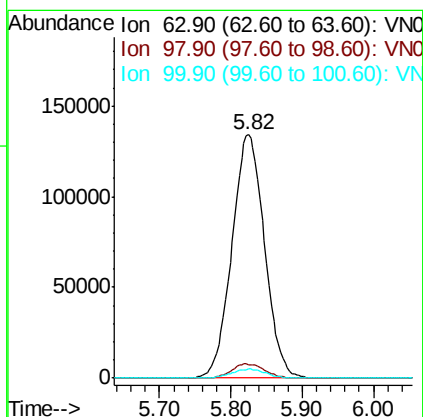
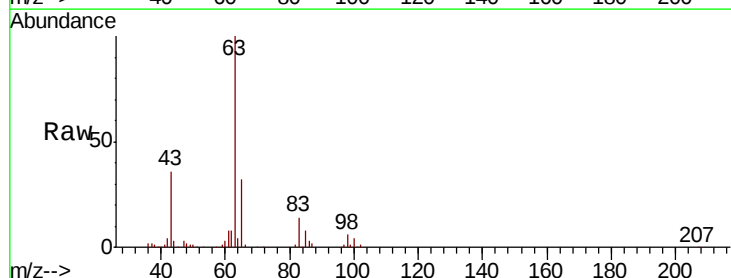
Tgt Ion: 63 Resp: 426457

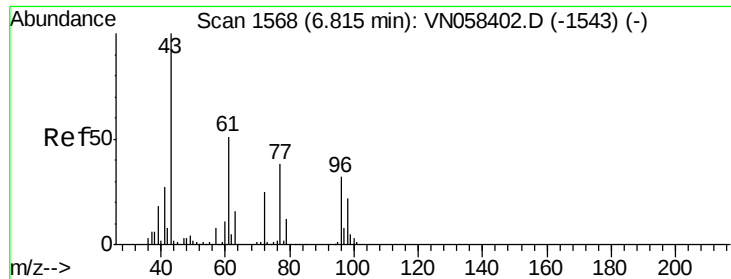
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

100 3.6 2.0 5.8





#25

2-Butanone

Concen: 262.272 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 702346

Ion Ratio Lower Upper

43 100

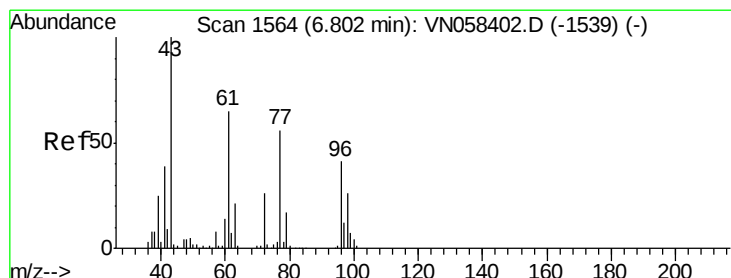
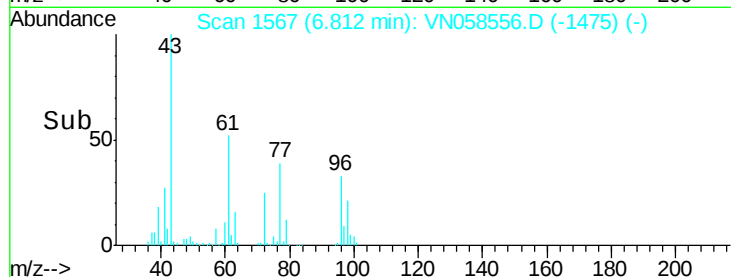
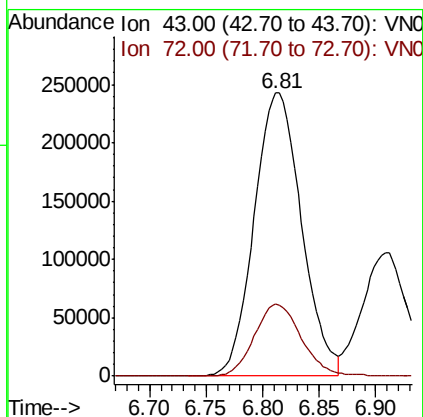
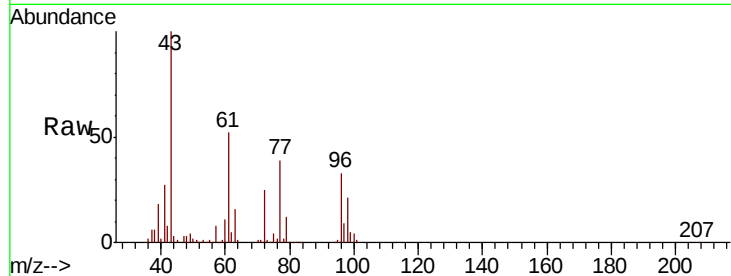
72 25.4 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.946 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058556.D

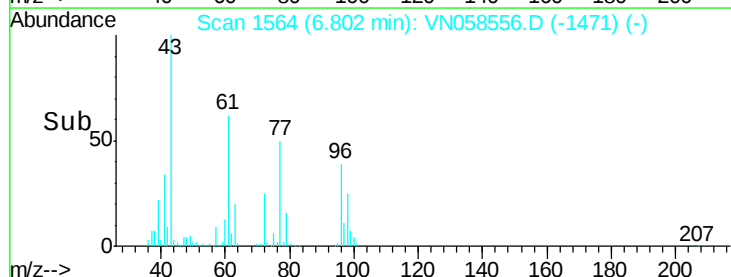
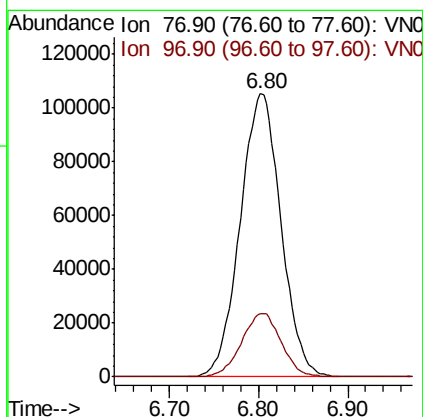
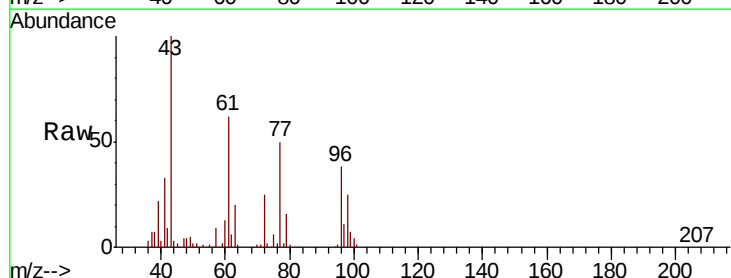
Acq: 4 Oct 2019 20:56

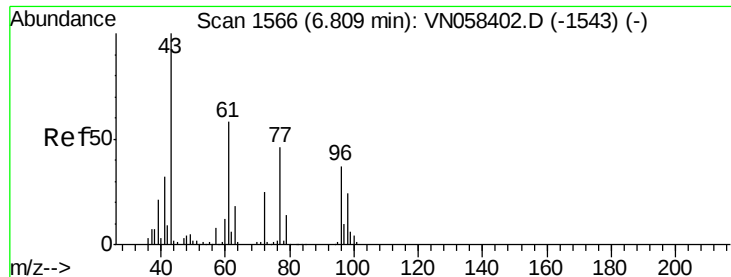
Tgt Ion: 77 Resp: 334260

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.304 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

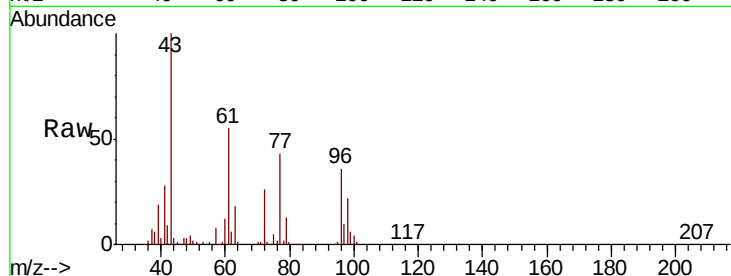
ClientSampleId :

VSTDCCC050EC

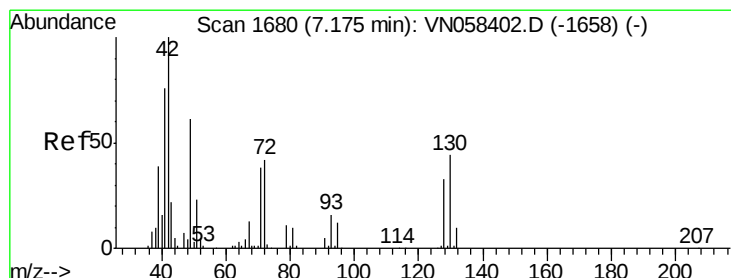
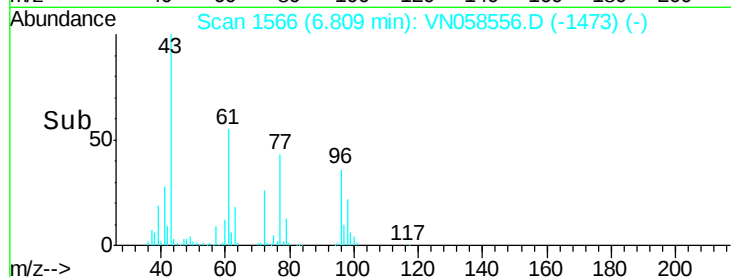
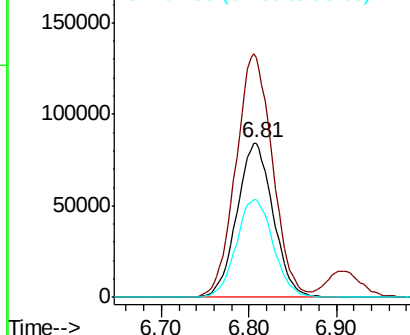
Tot Ion:	96	Resp:	241483
Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	318.8
98	64.8	0.0	129.8

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 53.317 ug/l

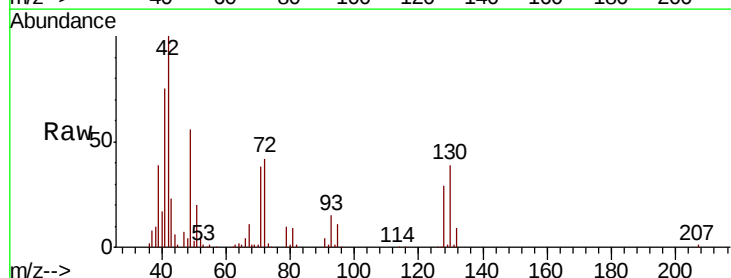
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

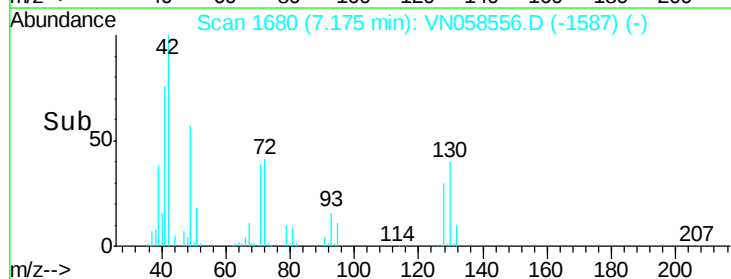
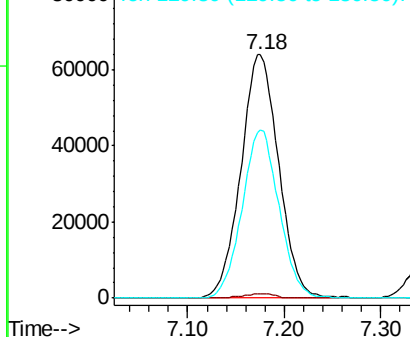
Lab File: VN058556.D

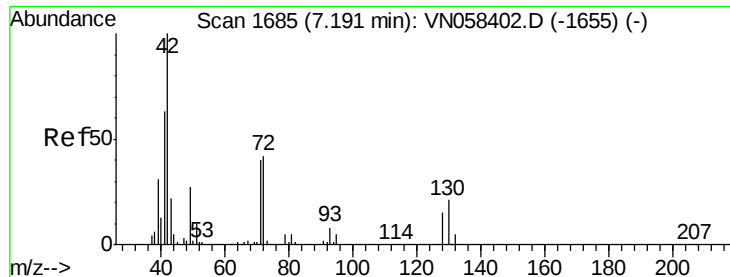
Acq: 4 Oct 2019 20:56

Tgt Ion:	49	Resp:	173496
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	67.6	56.3	84.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





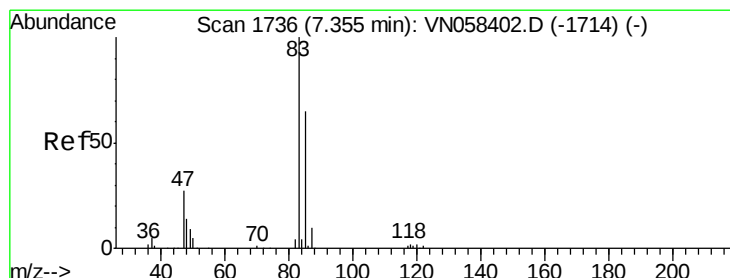
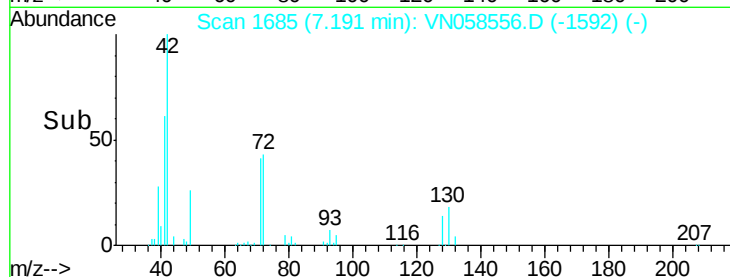
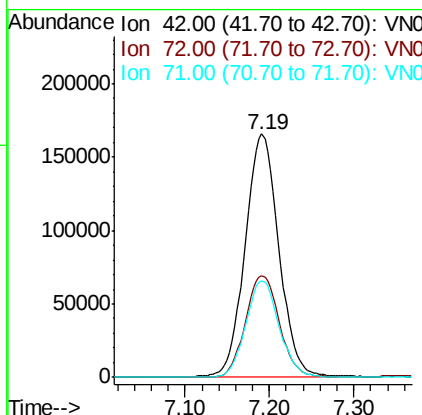
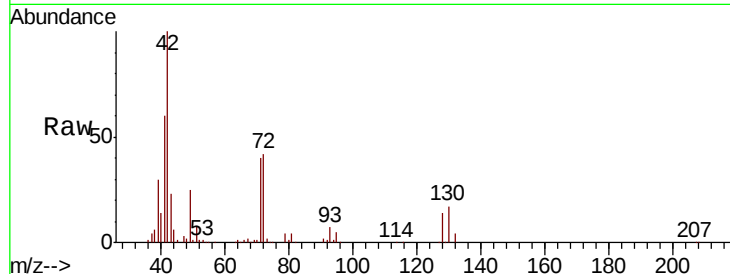
#29
Tetrahydrofuran
Concen: 271.090 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.6	31.8	47.6

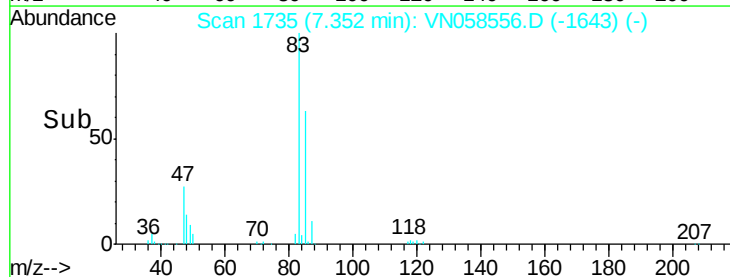
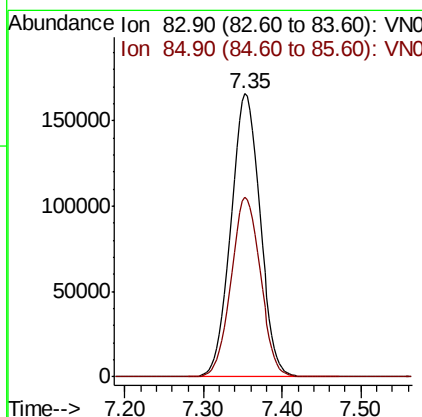
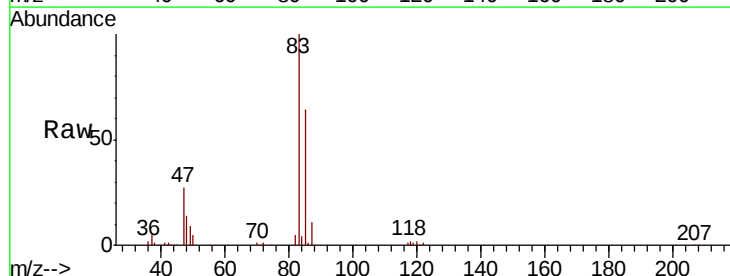
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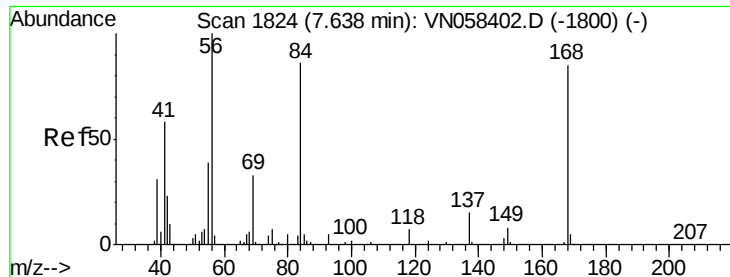
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#30
Chloroform
Concen: 52.039 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0





#31

Cyclohexane

Concen: 45.856 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

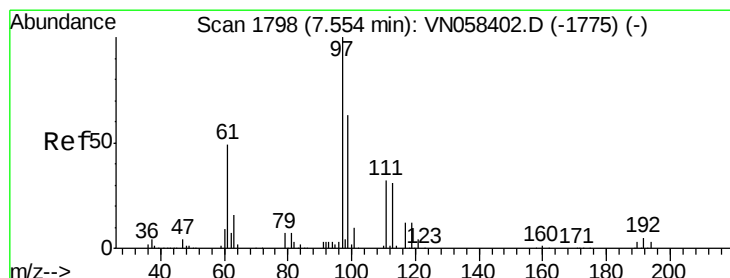
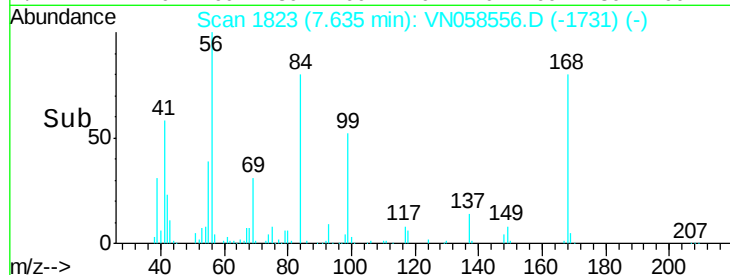
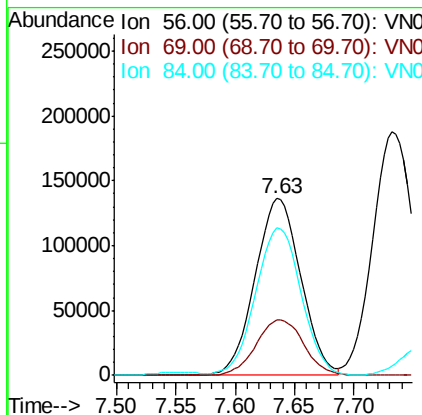
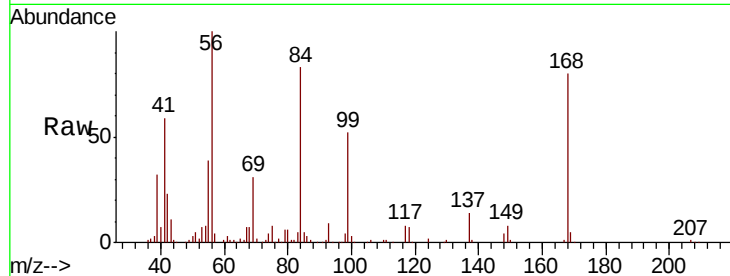
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	363116
Ion	Ratio	Lower	Upper
56	100		
69	31.4	26.2	39.4
84	81.6	67.6	101.4

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#32

1,1,1-Trichloroethane

Concen: 54.612 ug/l

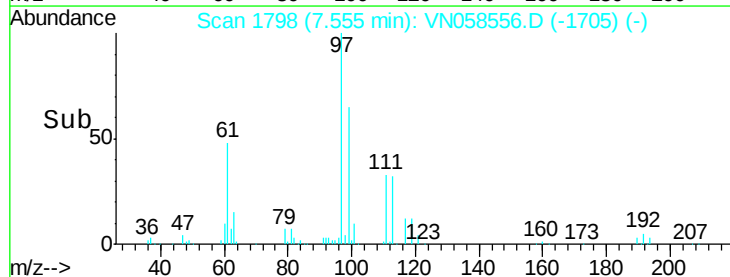
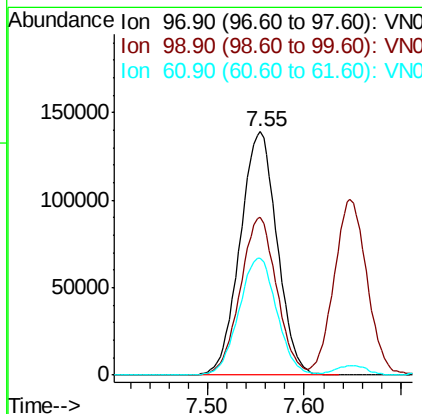
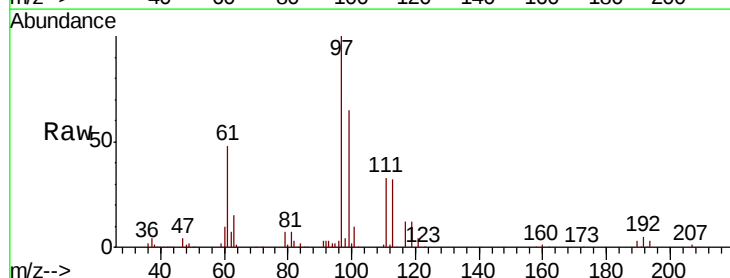
RT: 7.55 min Scan# 1798

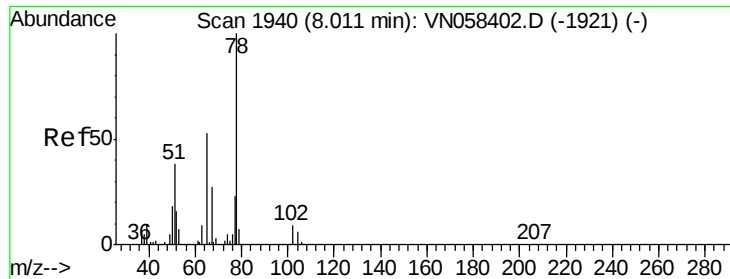
Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	97	Resp:	369946
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	49.3	39.2	58.8





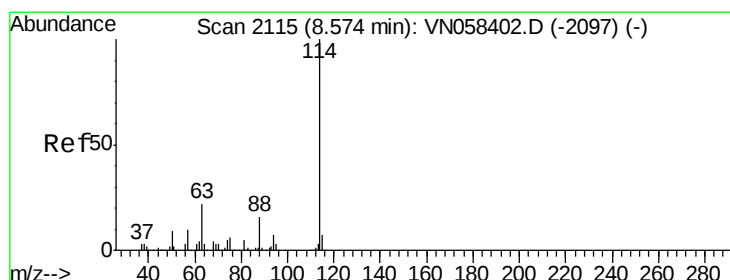
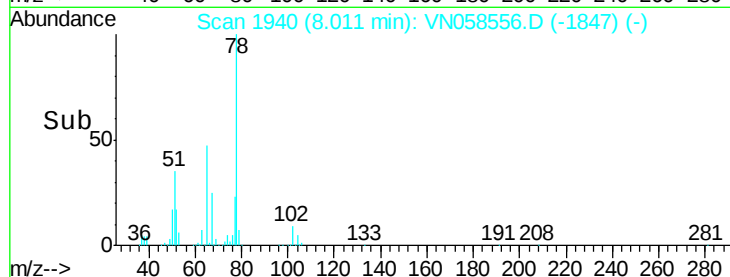
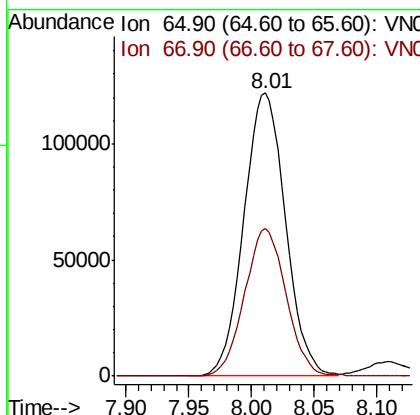
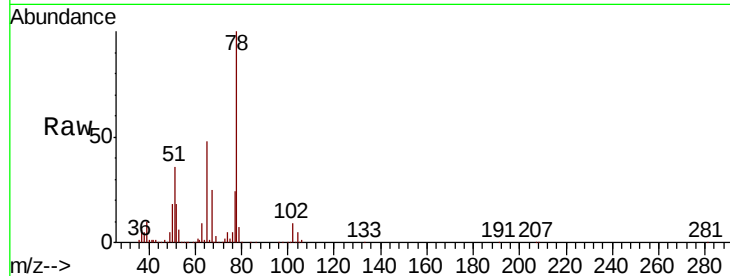
#33
 1,2-Dichloroethane-d4
 Concen: 49.282 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	281978		
67	52.1	0.0	102.4	

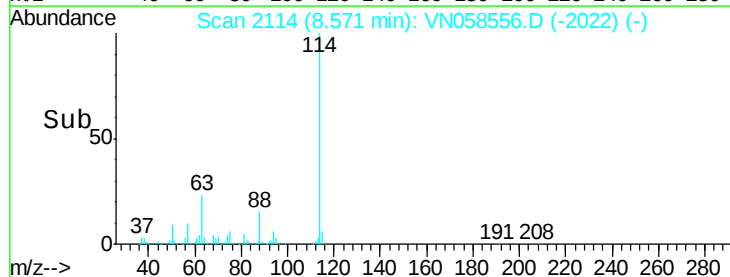
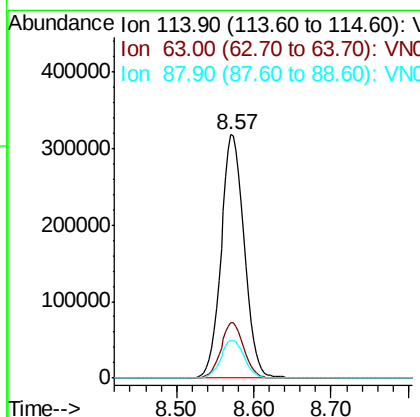
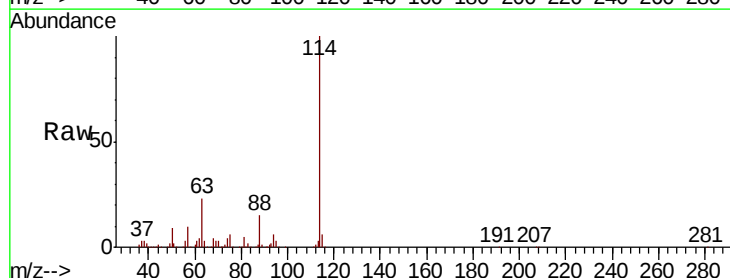
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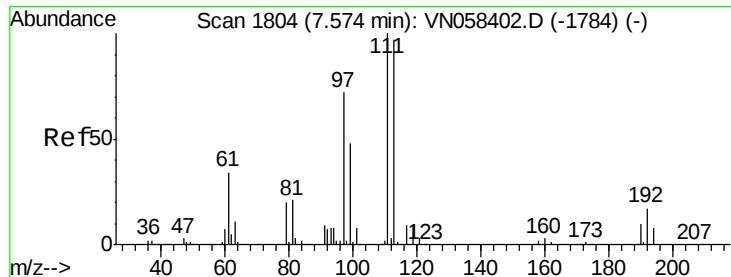
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	659961		
63	22.5	0.0	45.0	
88	15.4	0.0	32.2	





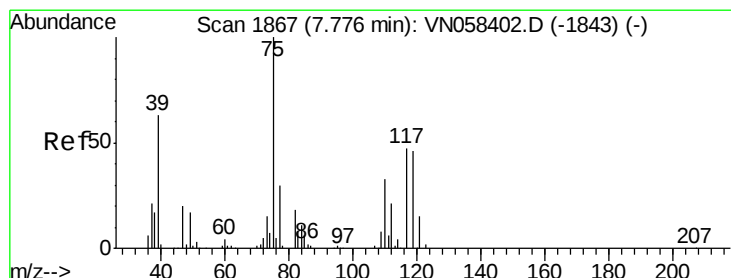
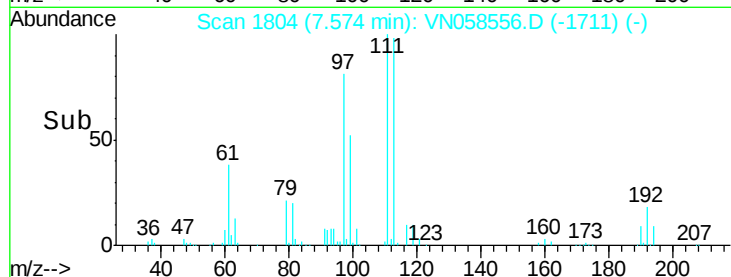
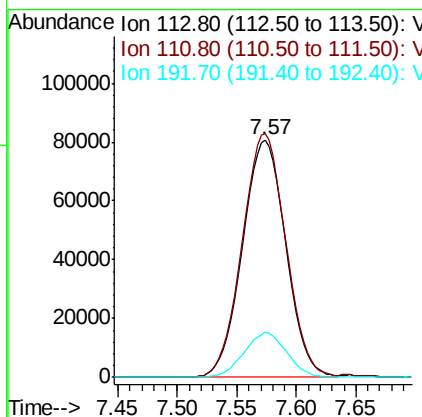
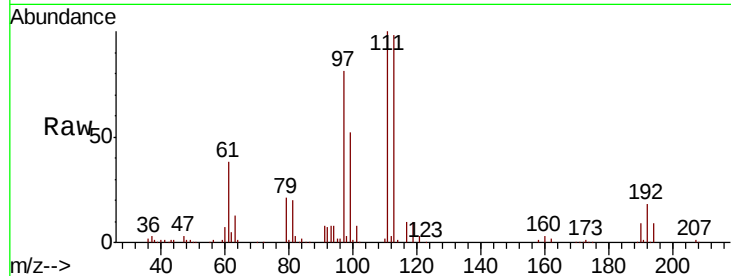
#35
 Dibromofluoromethane
 Concen: 50.411 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	203906		
111	103.2	83.4	125.2	
192	18.6	14.9	22.3	

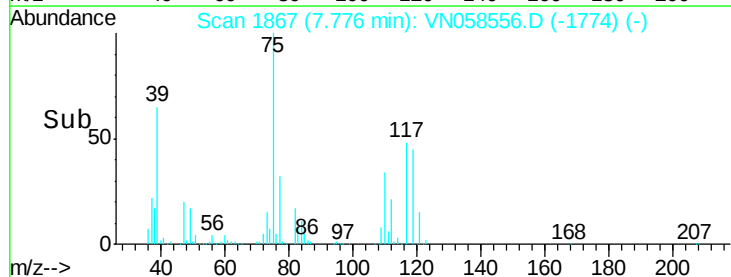
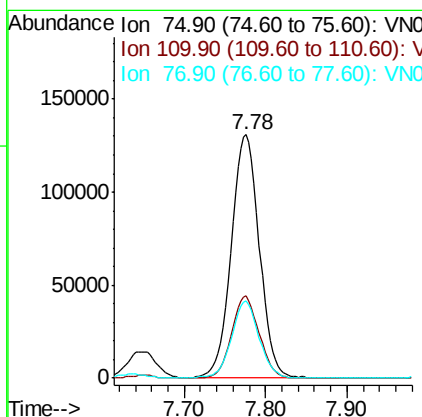
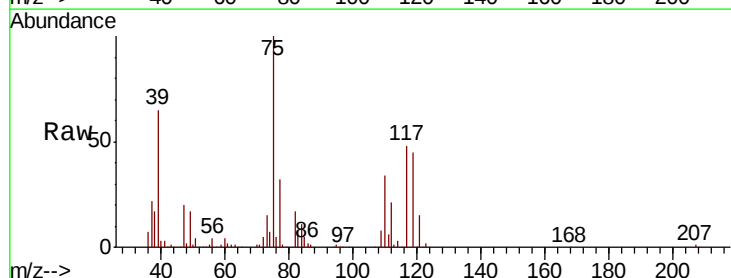
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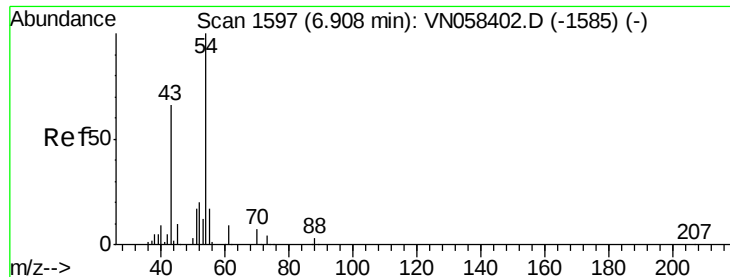
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#36
 1,1-Dichloropropene
 Concen: 49.844 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	314543		
110	32.9	16.4	49.2	
77	31.1	24.3	36.5	





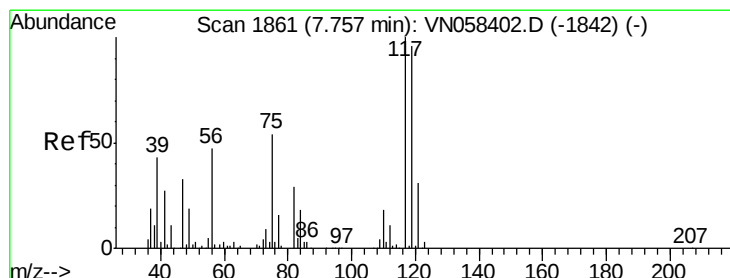
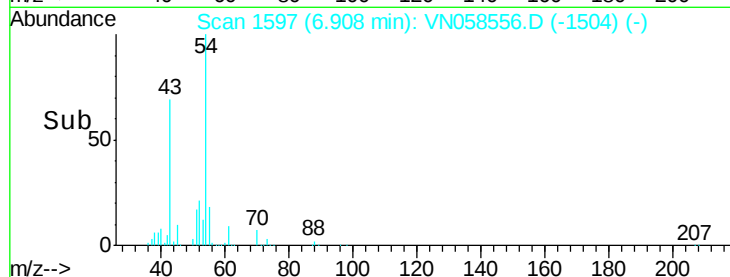
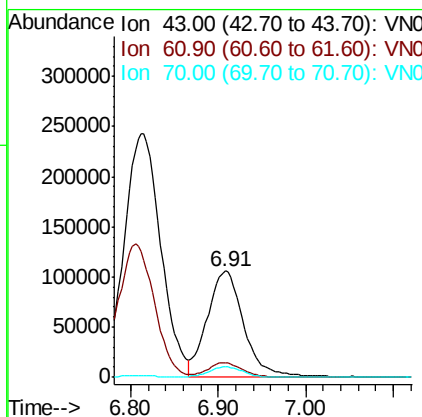
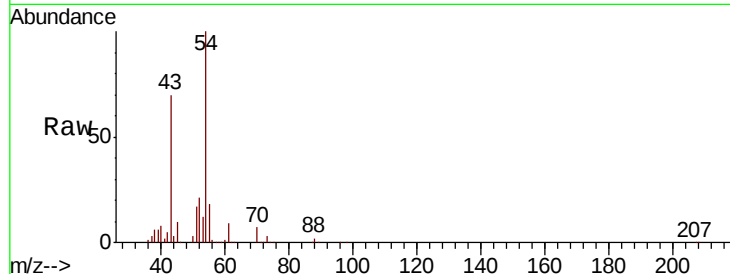
#37
Ethyl Acetate
Concen: 56.561 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.4	7.8	11.6

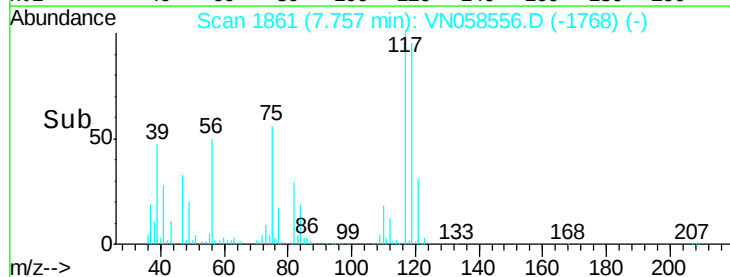
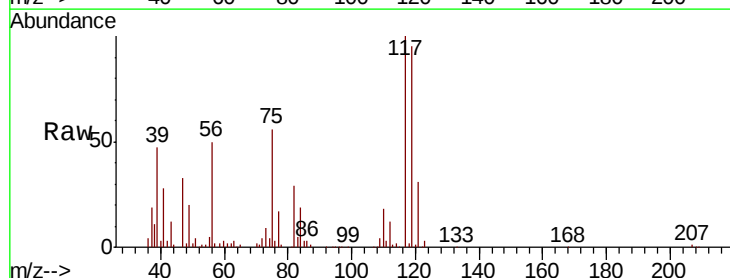
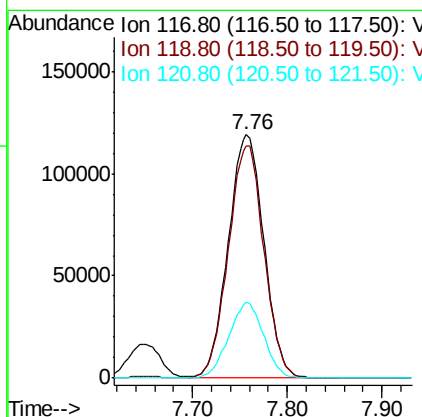
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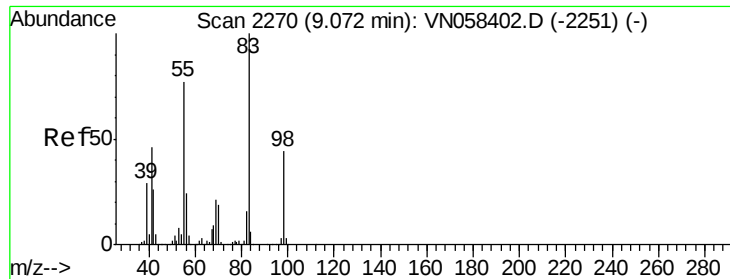
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#38
Carbon Tetrachloride
Concen: 54.711 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	31.1	24.7	37.1





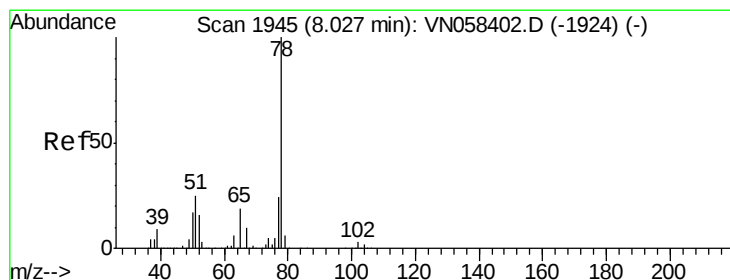
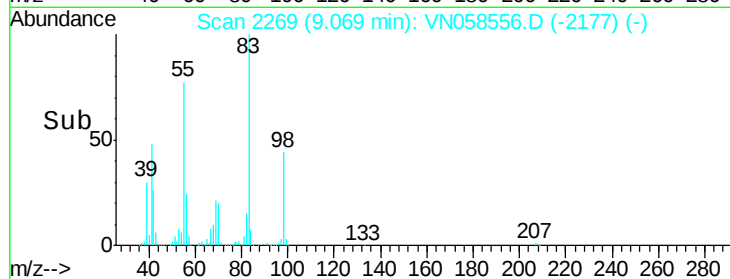
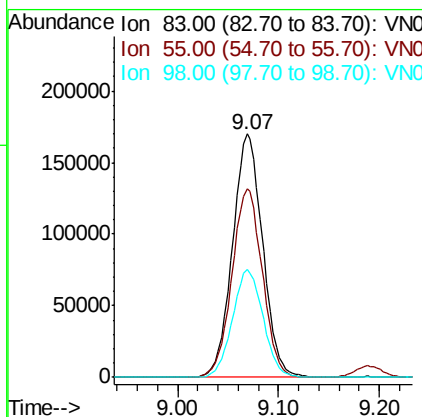
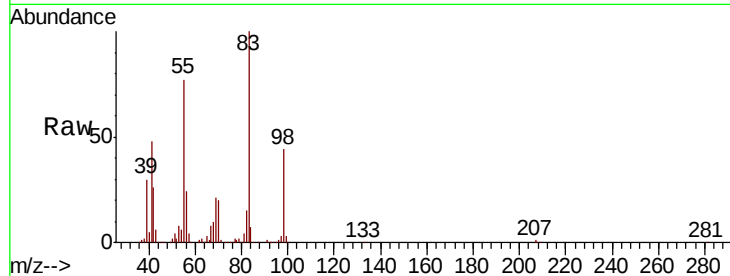
#39
Methylvlcyclohexane
Concen: 47.835 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.6
98	44.1	35.4	53.0

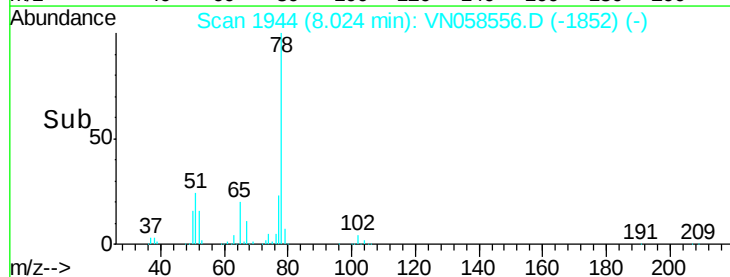
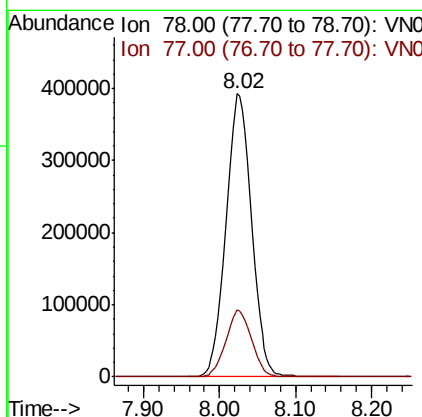
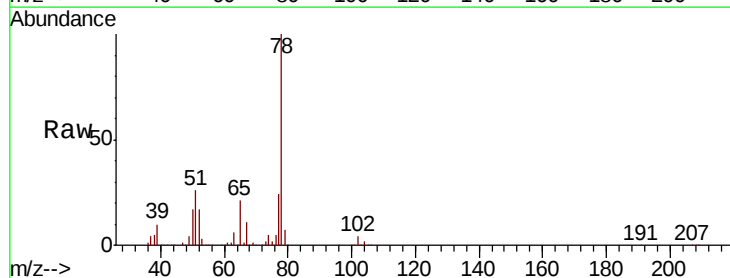
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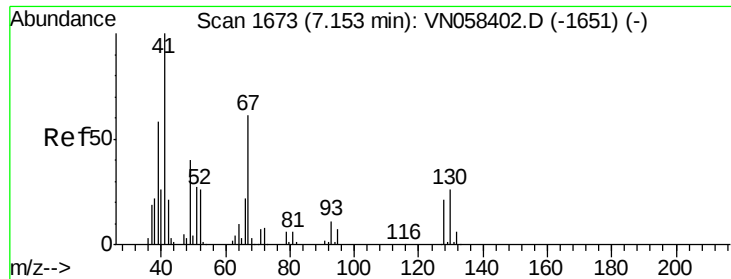
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#40
Benzene
Concen: 50.766 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





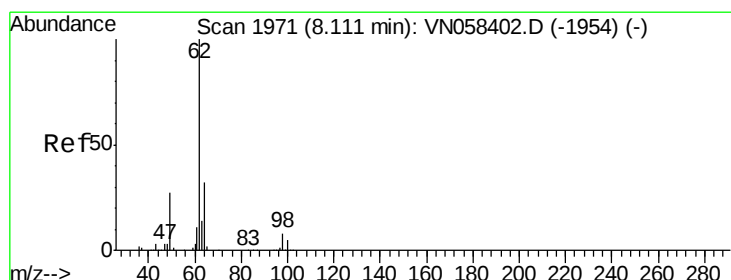
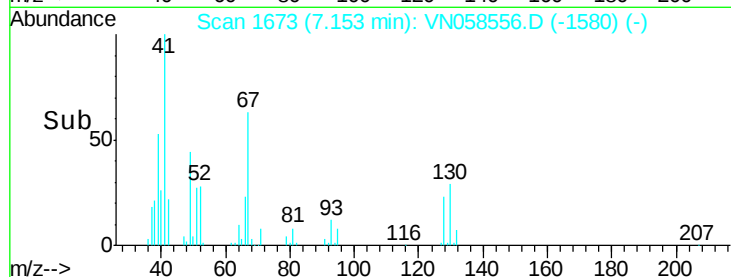
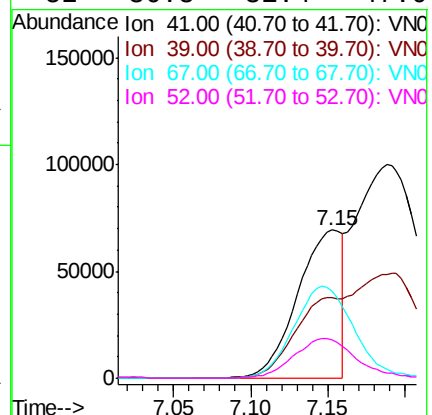
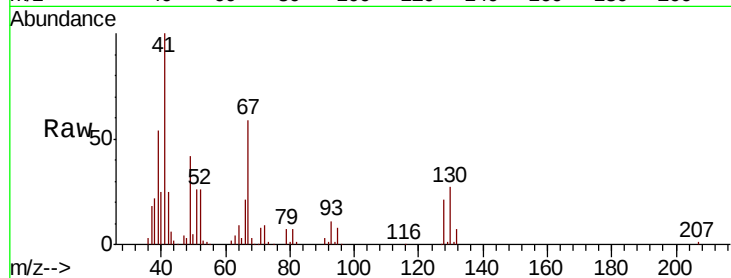
#41
Methacrylonitrile
Concen: 55.936 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	50.2	75.4	
67	84.8	70.2	105.4	
52	36.8	31.4	47.0	

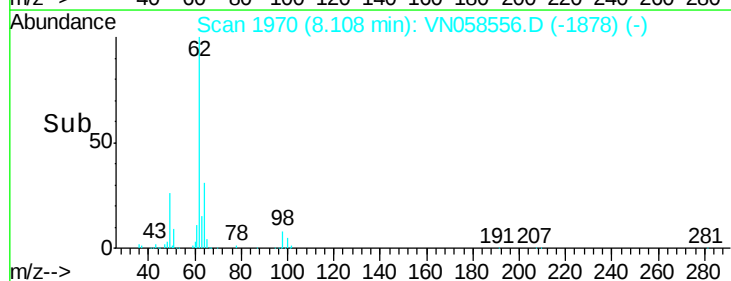
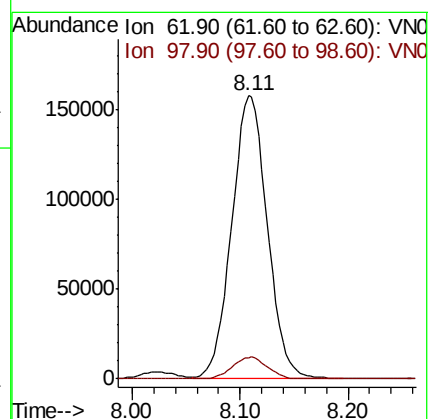
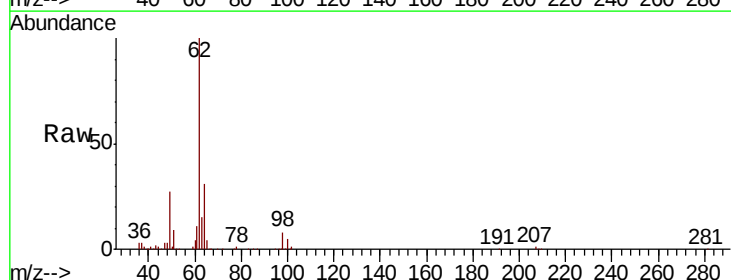
Manual Integrations
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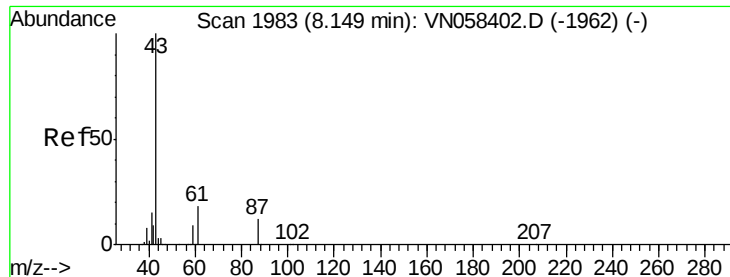
MMDadoda
10/7/2019 12:08:55 PM



#42
1,2-Dichloroethane
Concen: 51.235 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	15.6	





#43

Isopropyl Acetate

Concen: 52.402 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

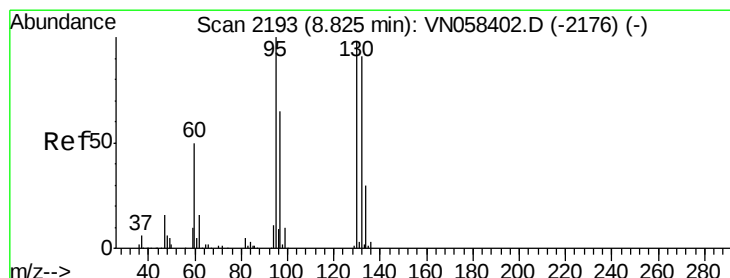
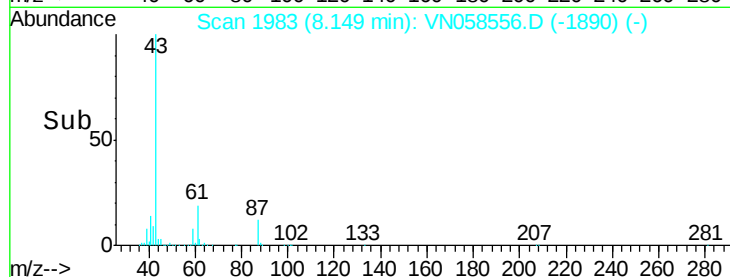
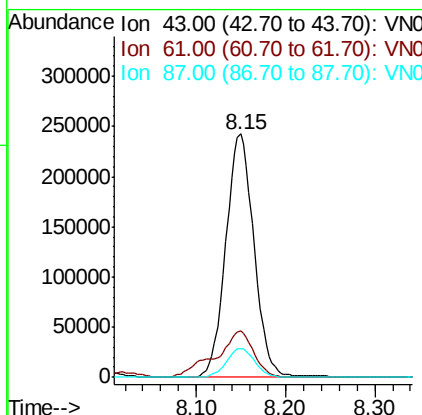
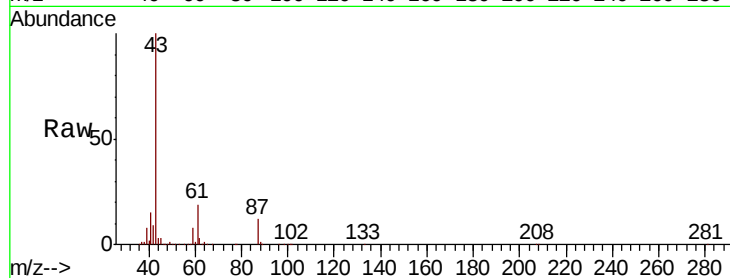
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	527217
Ion Ratio		Lower	Upper
43	100		
61	25.6	14.8	22.2#
87	11.9	9.7	14.5

Manual Integrations
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#44

Trichloroethene

Concen: 51.890 ug/l

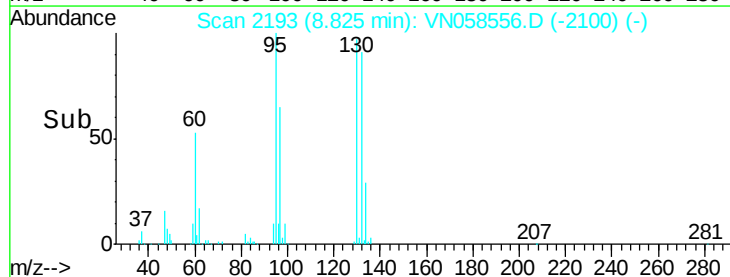
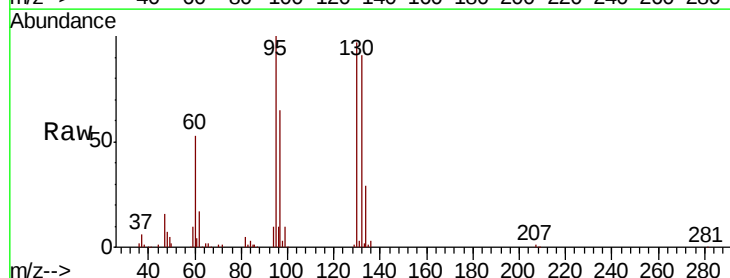
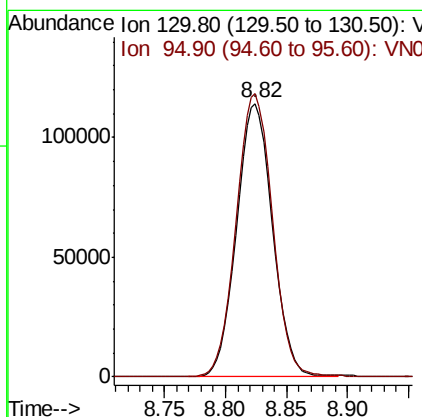
RT: 8.82 min Scan# 2193

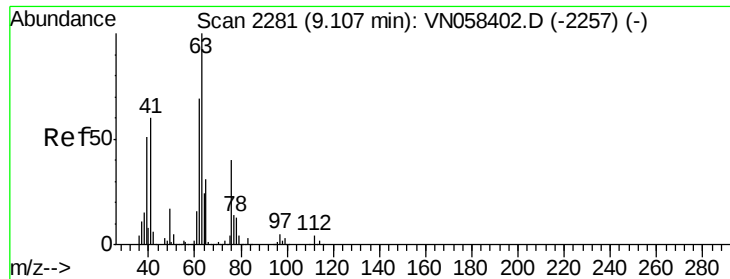
Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	130	Resp:	232415
Ion Ratio		Lower	Upper
130	100		
95	103.5	0.0	204.2





#45

1,2-Dichloropropane

Concen: 52.655 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 256162

Ion Ratio Lower Upper

63 100

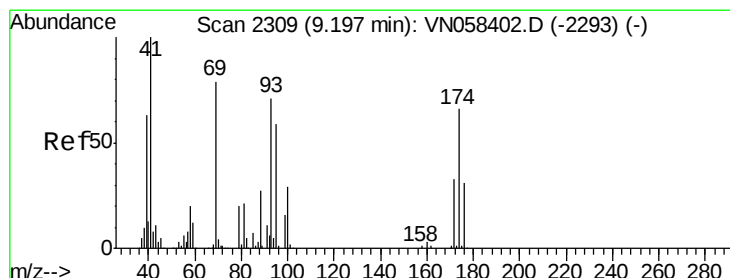
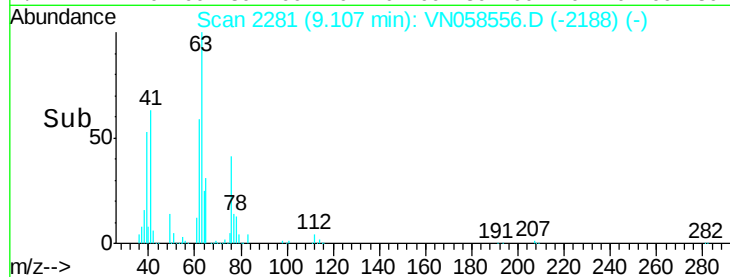
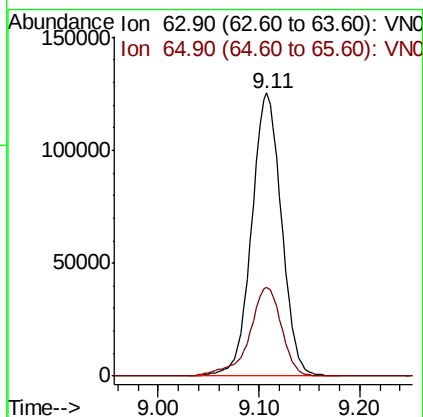
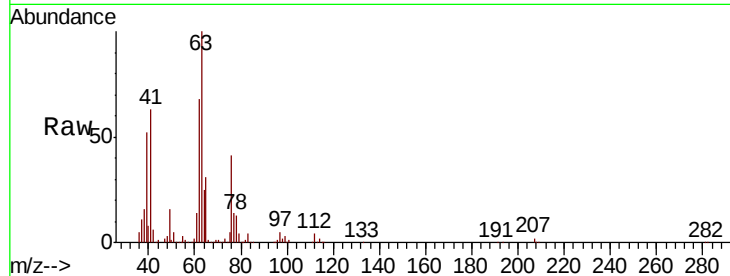
65 31.3 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 53.014 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

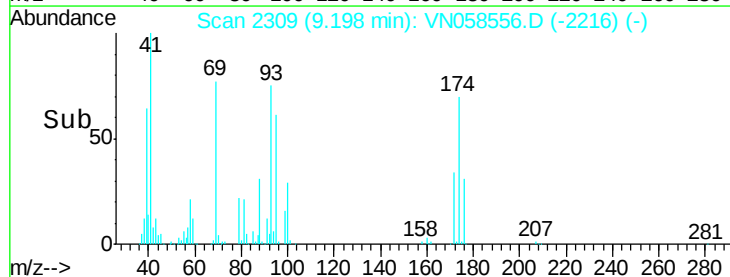
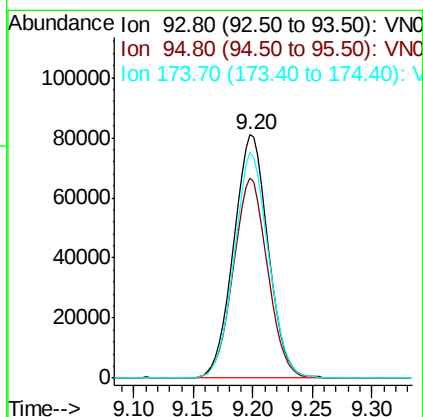
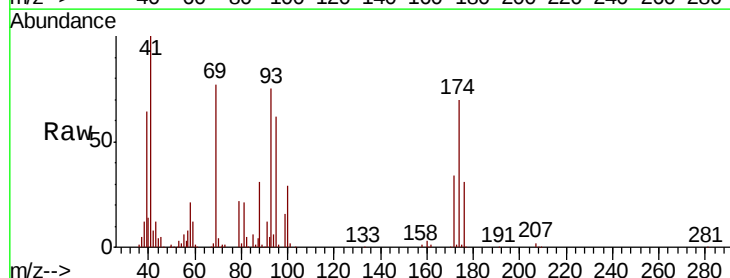
Tgt Ion: 93 Resp: 163328

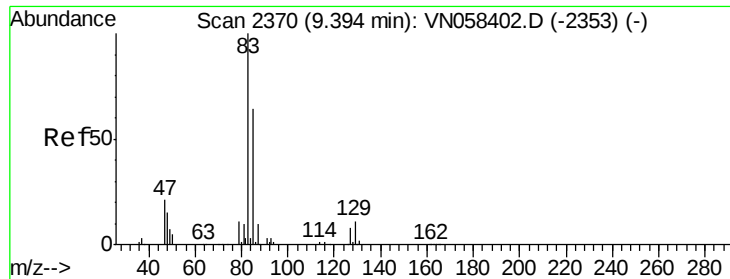
Ion Ratio Lower Upper

93 100

95 81.4 67.0 100.4

174 91.8 74.2 111.2





#47

Bromodichloromethane

Concen: 56.861 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

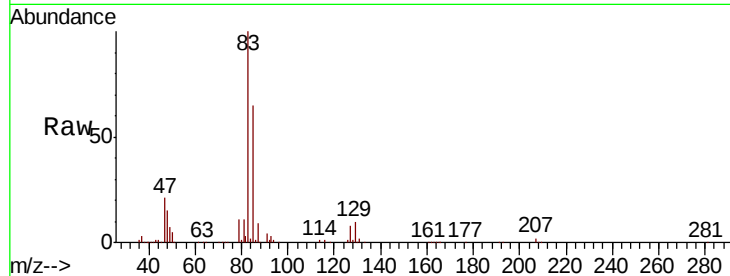
ClientSampleId :

VSTDCCC050EC

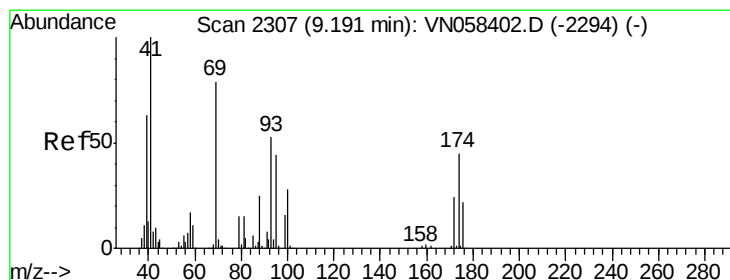
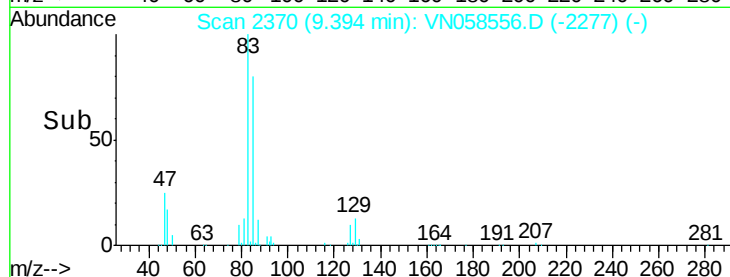
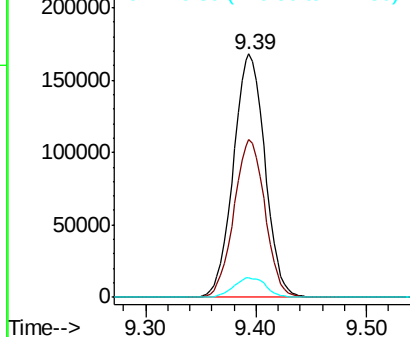
Tot Ion:	83	Resp:	331913
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8
127	7.9	6.3	9.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 52.804 ug/l

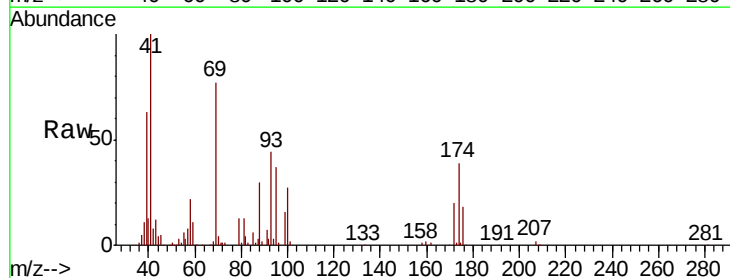
RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

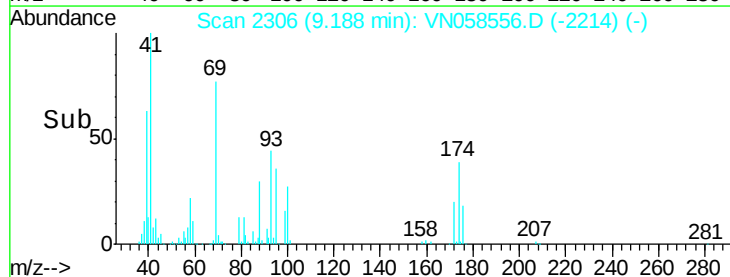
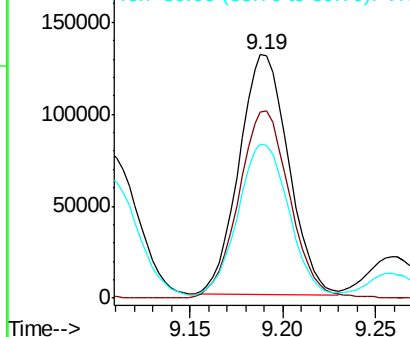
Lab File: VN058556.D

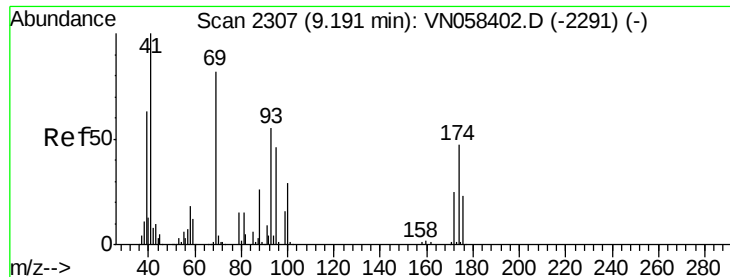
Acq: 4 Oct 2019 20:56

Tgt Ion:	41	Resp:	241908
Ion	Ratio	Lower	Upper
41	100		
69	80.4	64.7	97.1
39	66.4	52.9	79.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





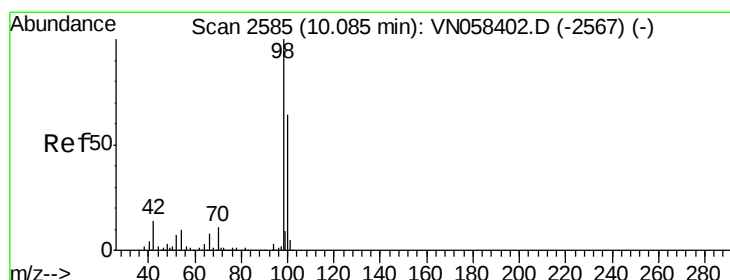
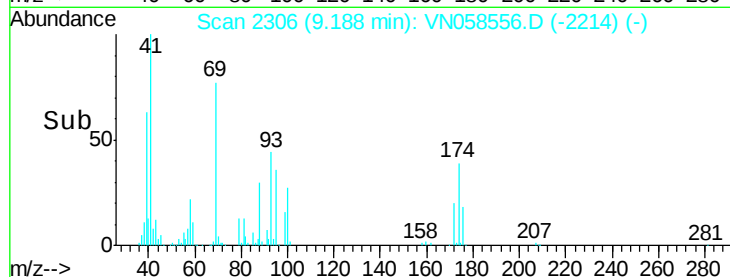
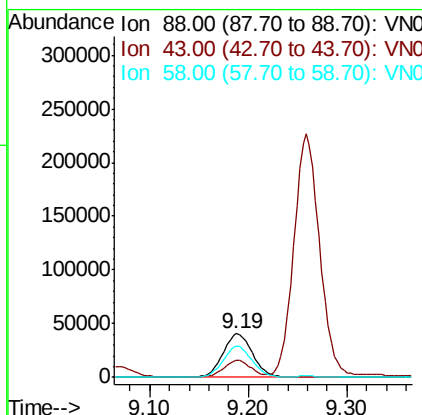
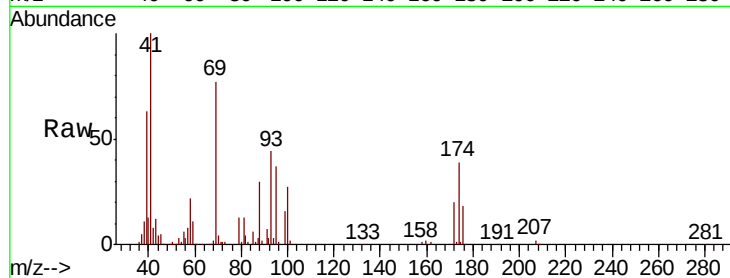
#49
1,4-Dioxane
Concen: 1404.217 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	31.1	46.7
58	68.5	58.1	87.1

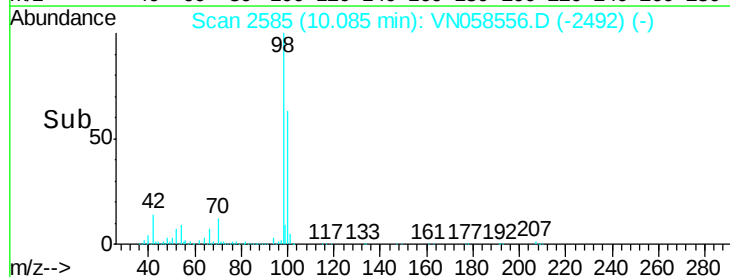
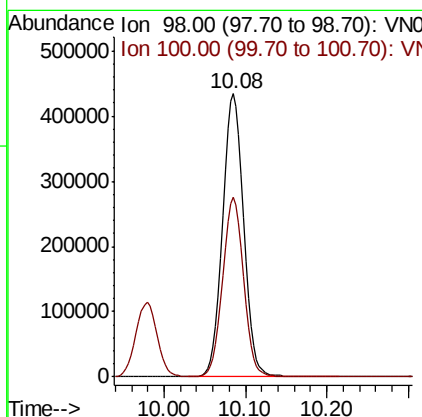
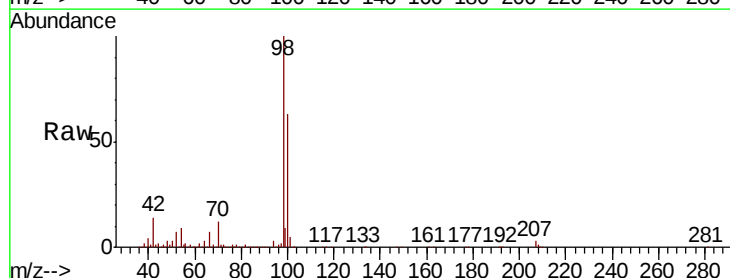
Manual Integrations
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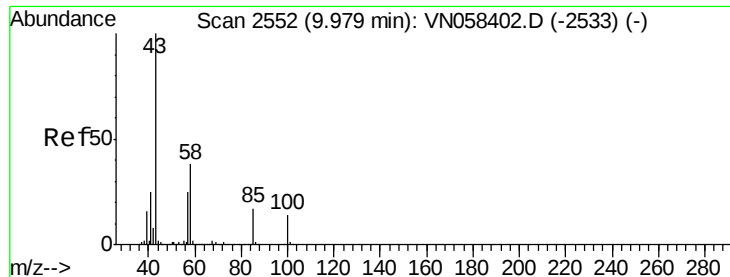
MMDadoda
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#50
Toluene-d8
Concen: 50.413 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 299.140 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1545946

Ion Ratio Lower Upper

43 100

58 37.1

30.2

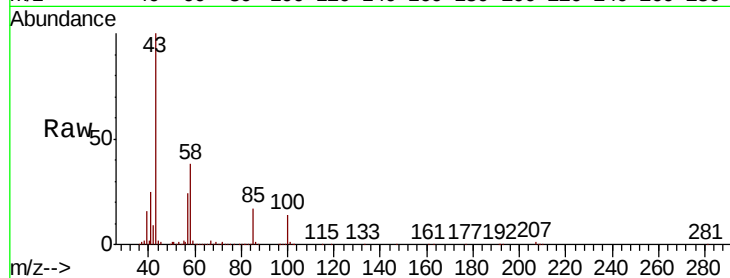
45.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

0

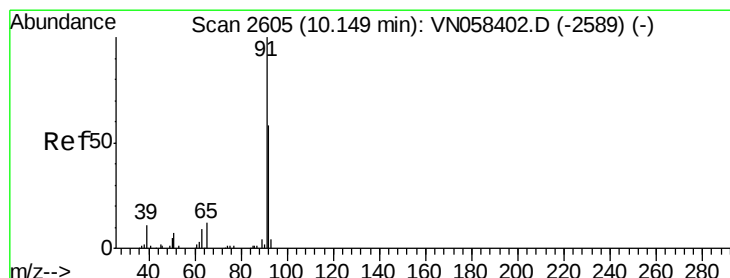
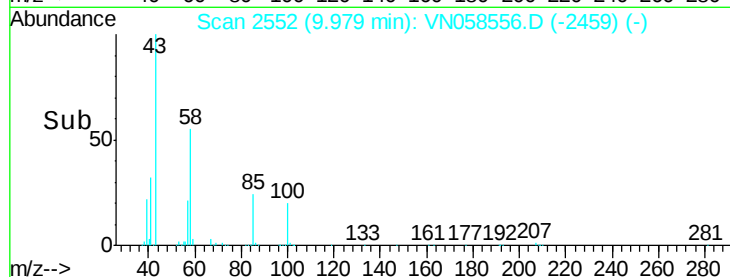
9.90

9.98

10.00

10.10

Time-->



#52

Toluene

Concen: 51.190 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion: 92 Resp: 584458

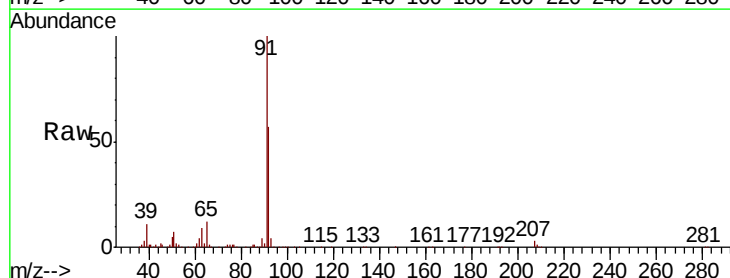
Ion Ratio Lower Upper

92 100

91 175.8

140.2

210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

100000

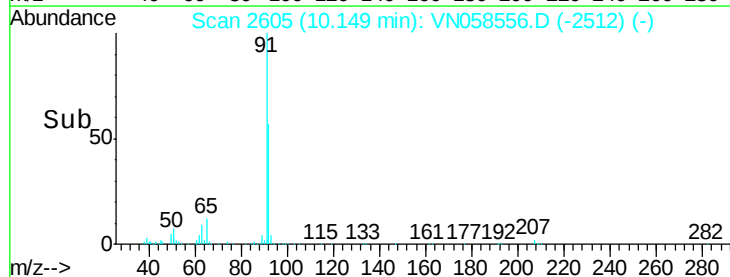
0

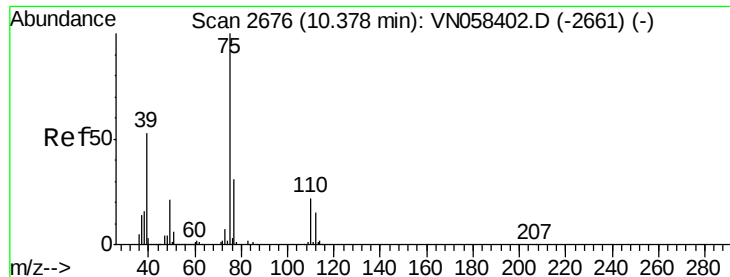
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 58.217 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 369876

Ion Ratio Lower Upper

75 100

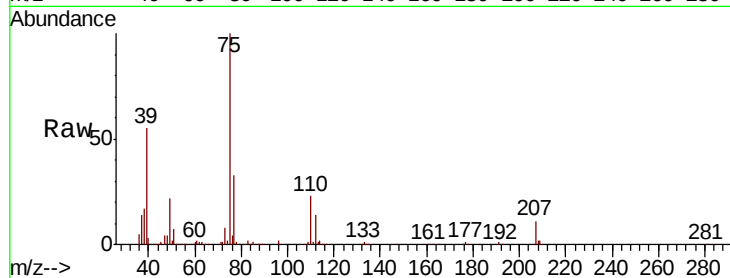
77 31.6 25.2 37.8

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

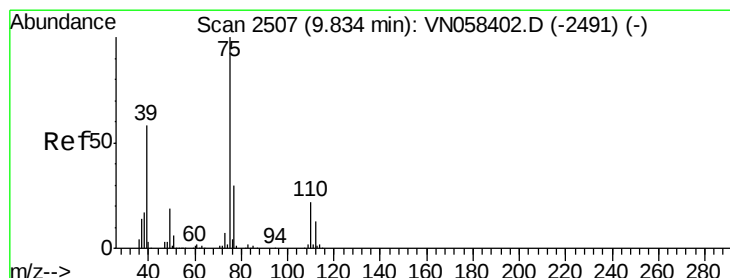
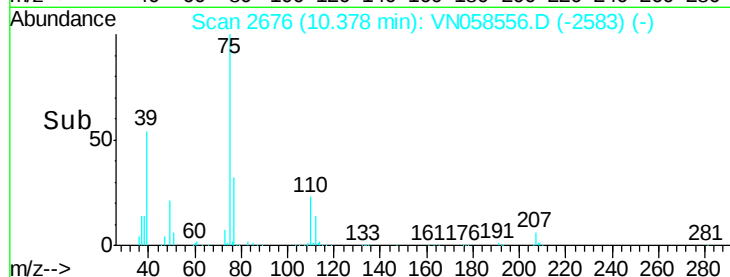
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.235 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

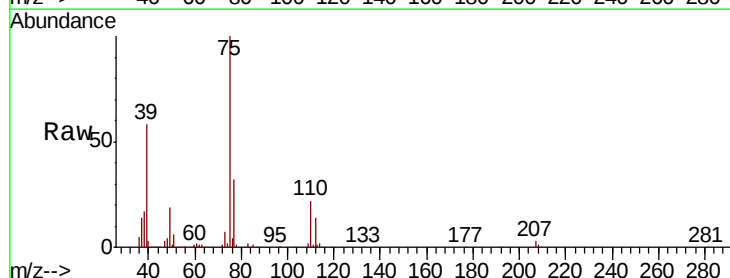
Tgt Ion: 75 Resp: 396599

Ion Ratio Lower Upper

75 100

77 32.2 24.2 36.4

39 58.0 46.4 69.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

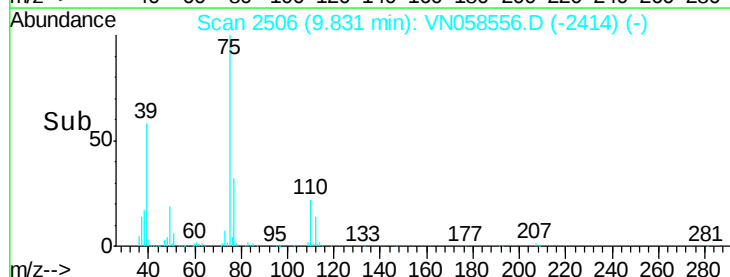
150000

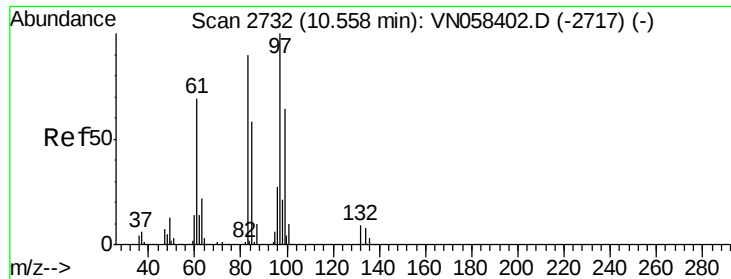
100000

50000

0

Time-->





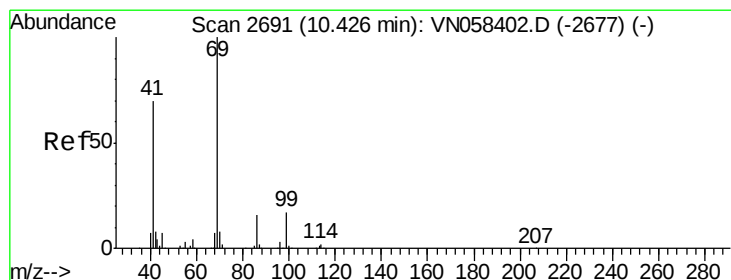
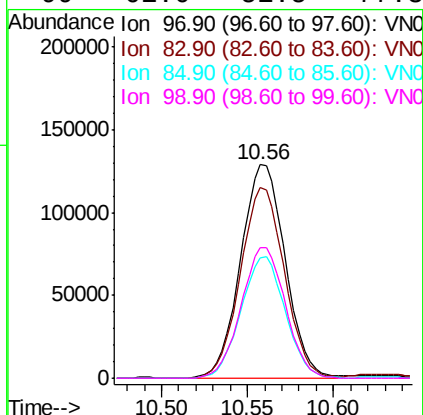
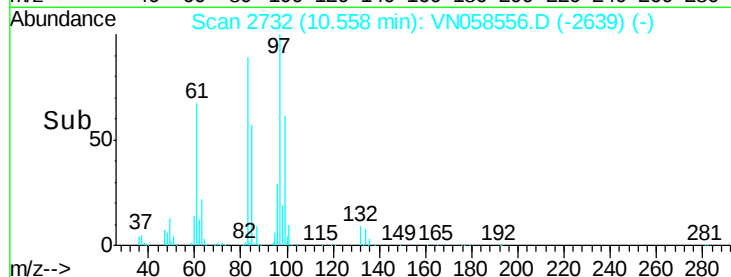
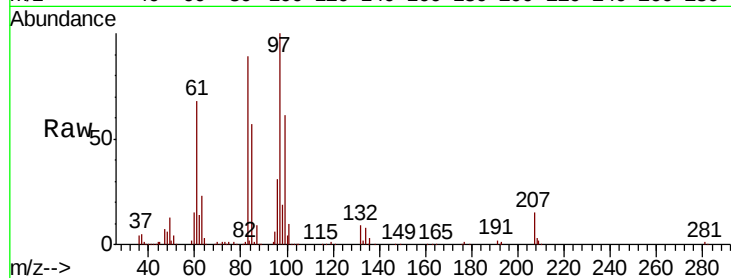
#55
 1,1,2-Trichloroethane
 Concen: 55.959 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	232640
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.8	107.6
85	56.6	46.6	69.8
99	61.0	51.5	77.3

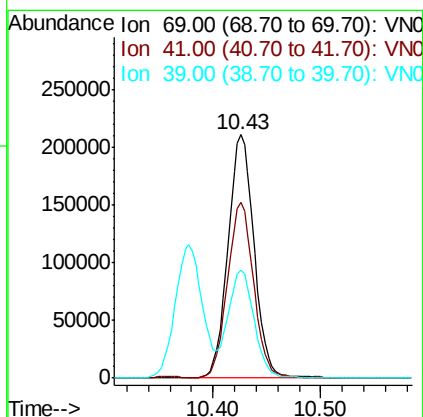
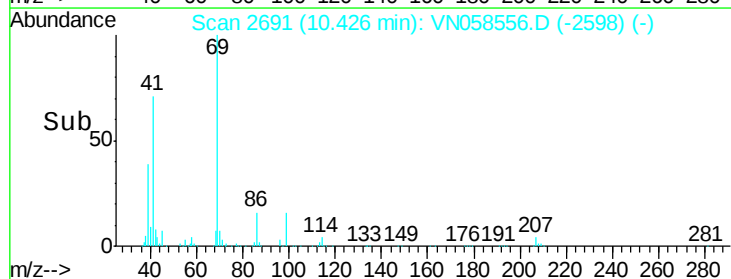
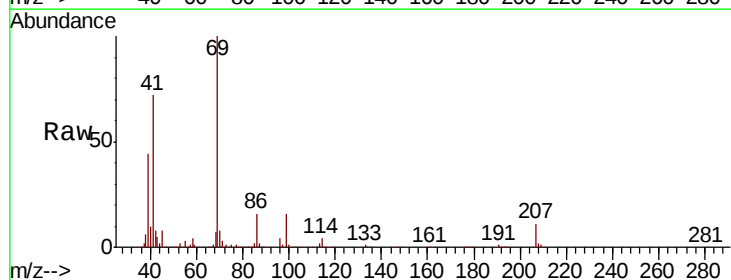
Manual Integrations
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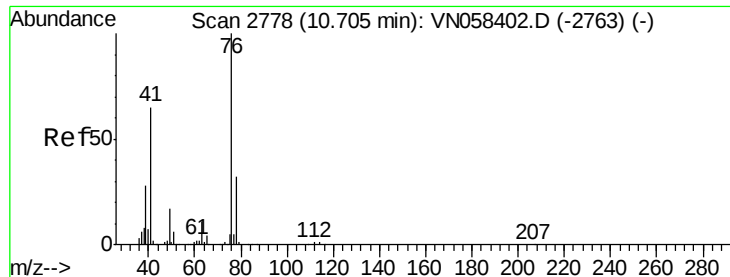
MMDadoda
 10/7/2019 12:08:55 PM



#56
 Ethyl methacrylate
 Concen: 56.384 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion:	69	Resp:	355691
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.3	84.5
39	43.9	35.8	53.6





#57

1,3-Dichloropropane

Concen: 54.652 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 405265

Ion Ratio Lower Upper

76 100

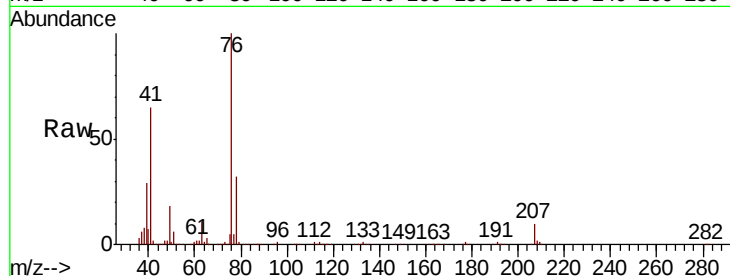
78 32.1 25.7 38.5

Manual Integrations

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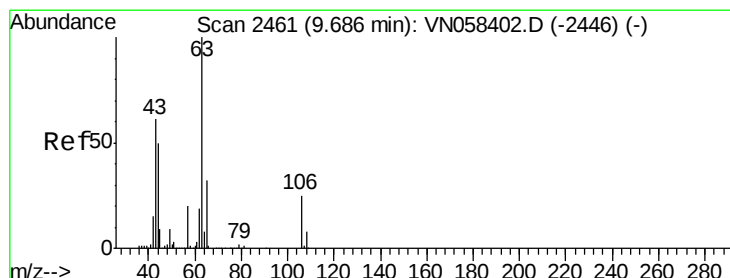
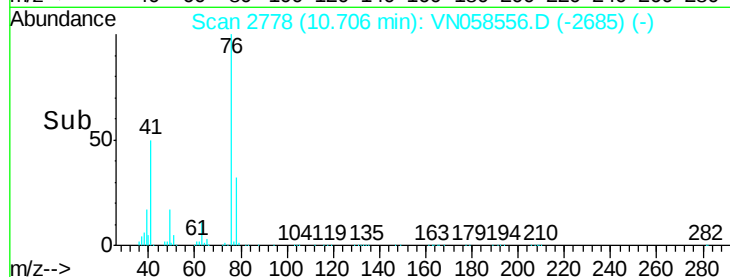
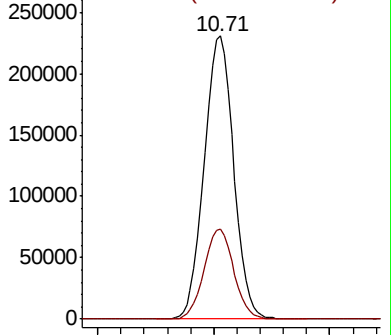
MMDadoda

10/7/2019 12:08:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 347.086 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058556.D

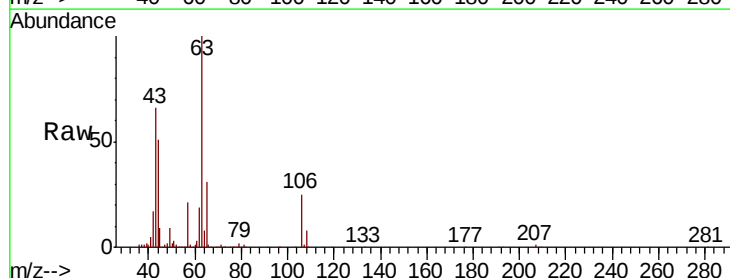
Acq: 4 Oct 2019 20:56

Tgt Ion: 63 Resp: 873063

Ion Ratio Lower Upper

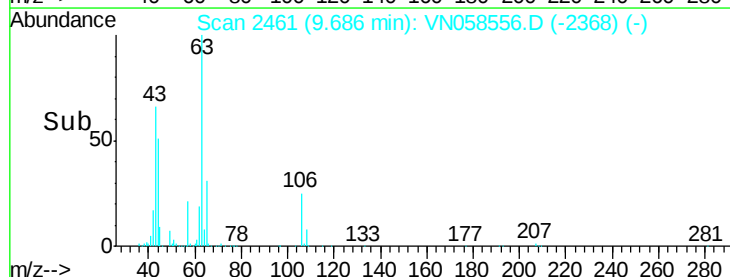
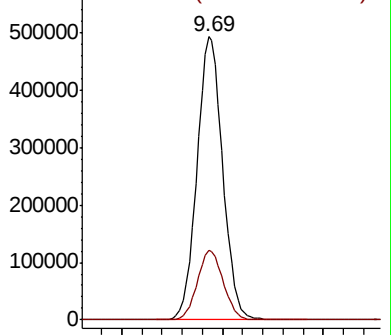
63 100

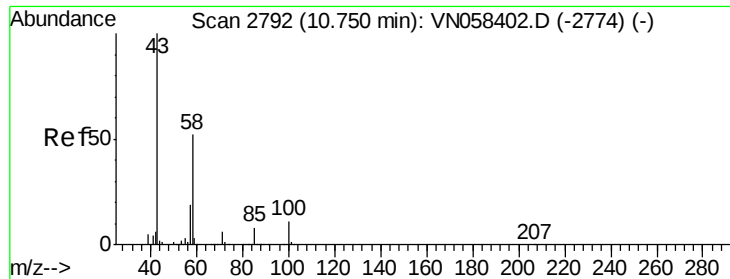
106 24.8 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





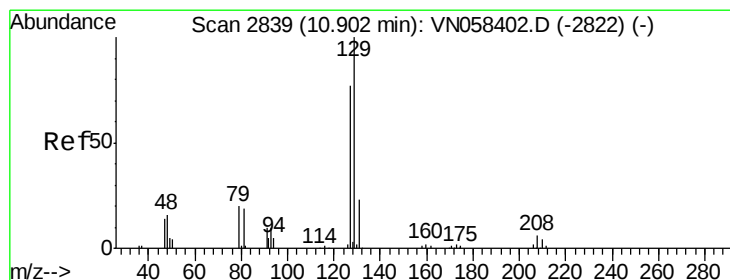
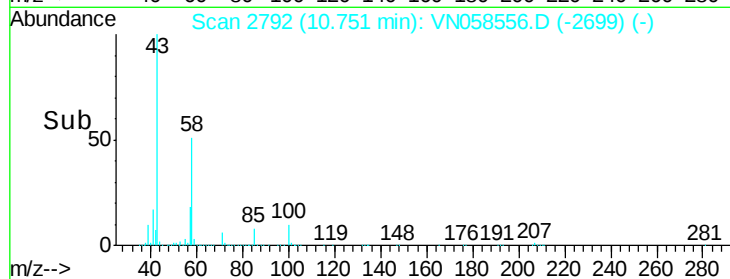
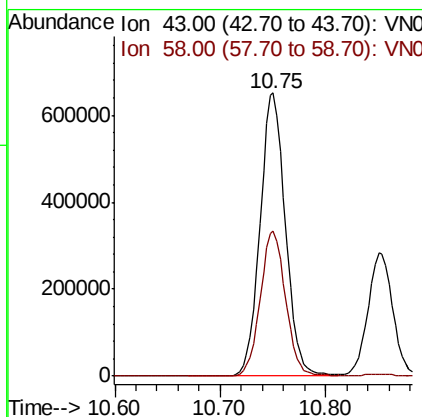
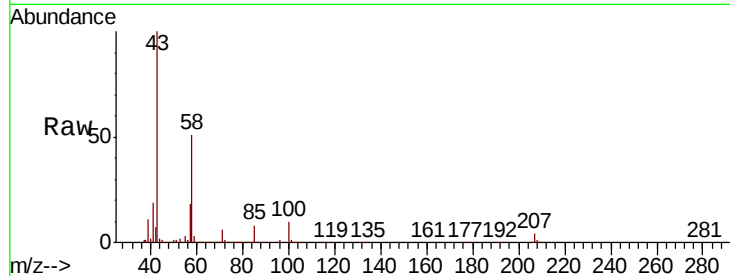
#59
2-Hexanone
Concen: 290.482 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1093099
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3

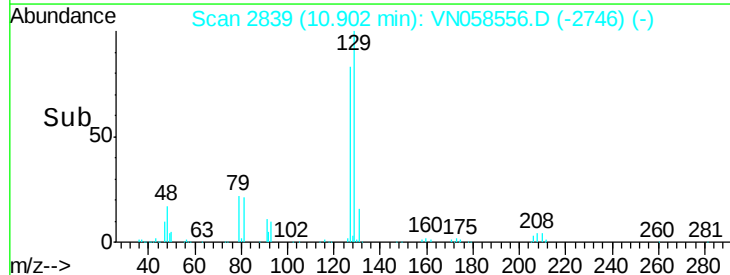
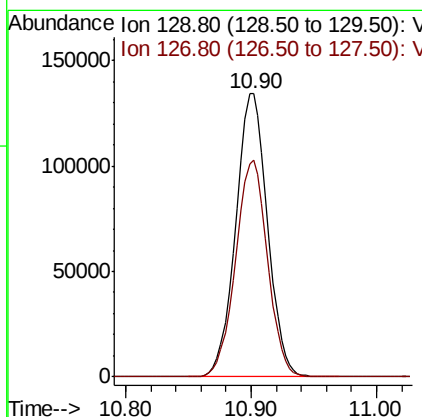
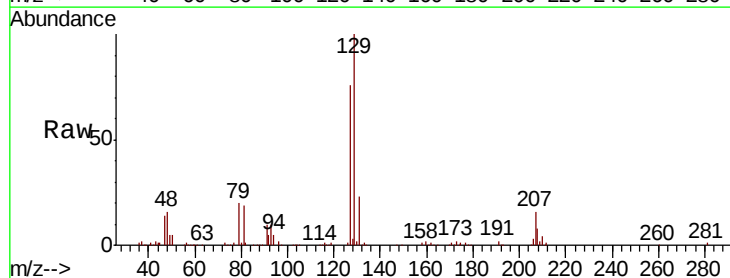
Manual Integrations
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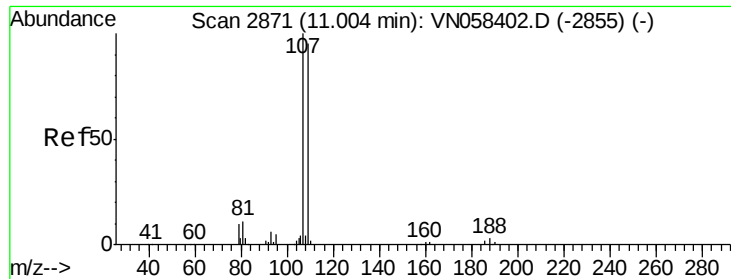
MMDadoda
10/7/2019 12:08:55 PM



#60
Dibromochloromethane
Concen: 54.952 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 129 Resp: 236336
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





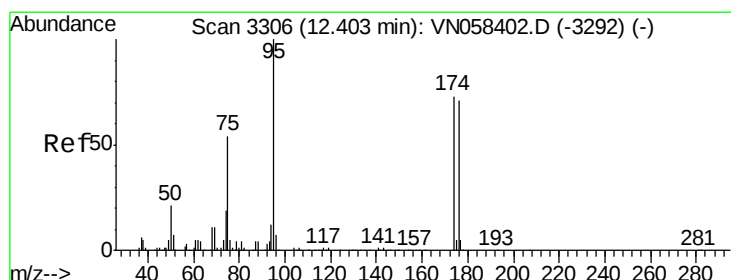
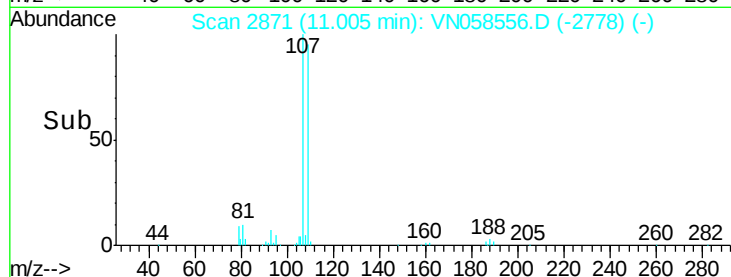
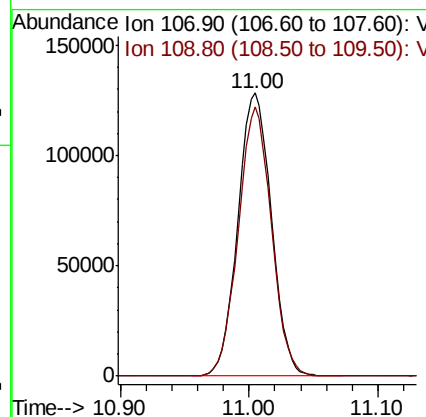
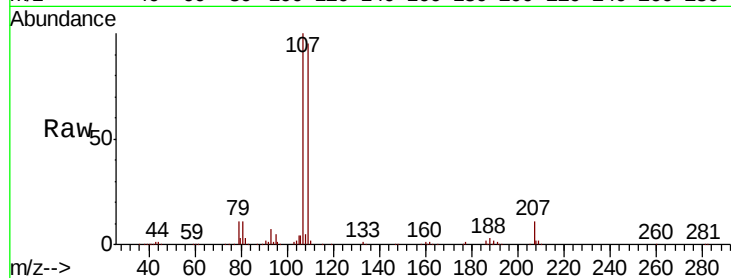
#61
 1,2-Dibromoethane
 Concen: 54.584 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

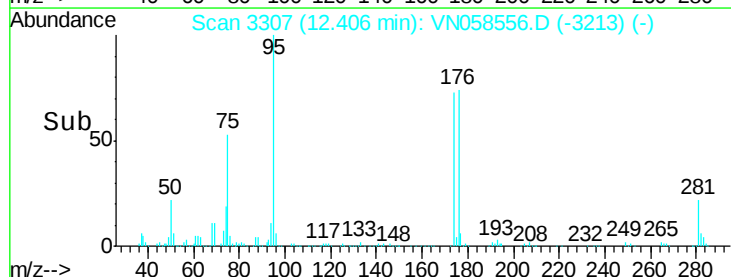
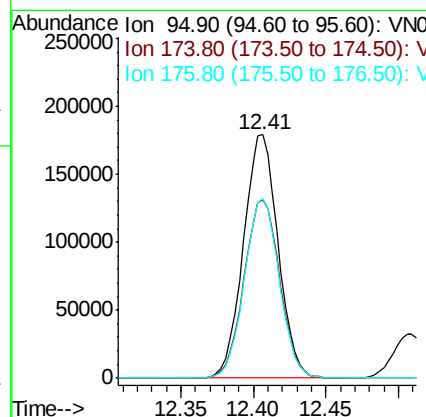
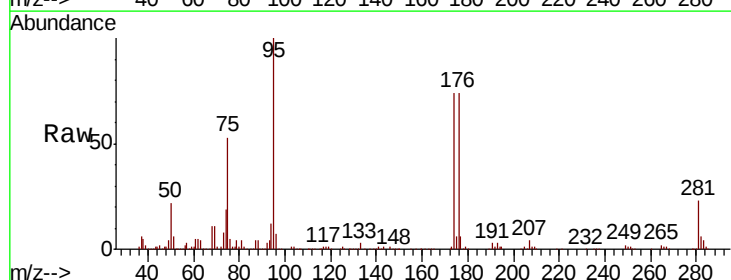
Manual Integrations
 APPROVED

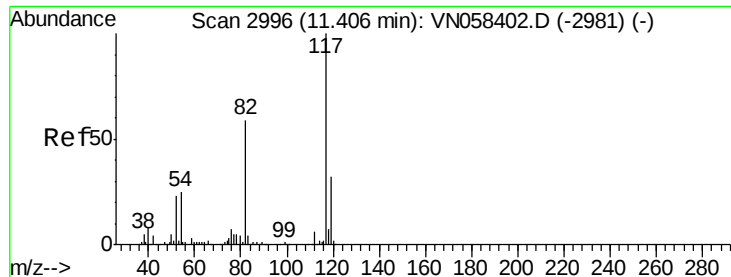
MMDadoda
 10/7/2019 12:08:55 PM



#62
 4-Bromofluorobenzene
 Concen: 51.938 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	150.6
176	74.3	0.0	146.2





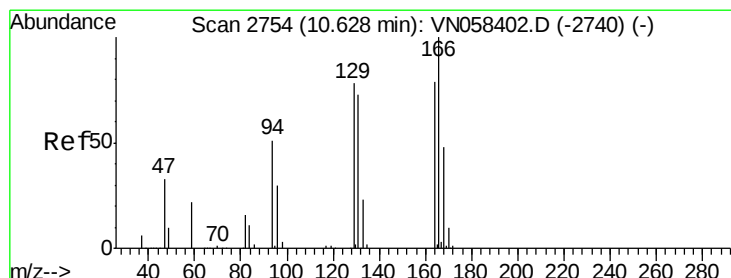
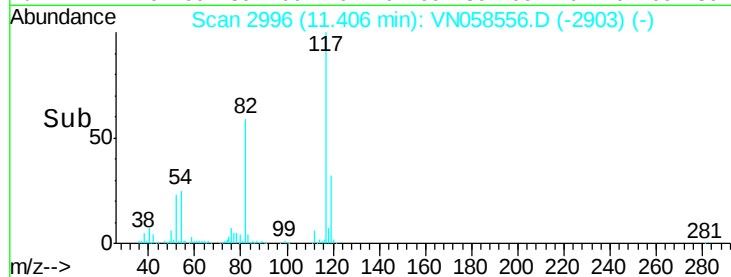
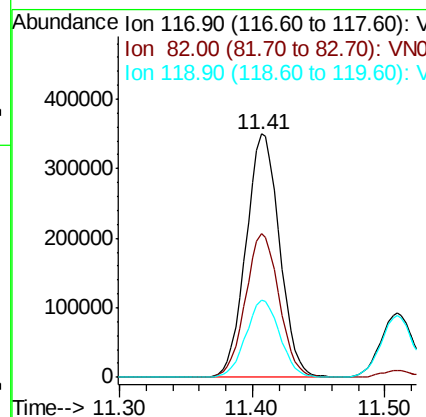
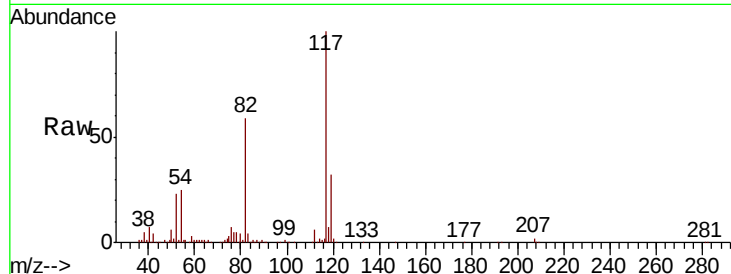
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.4	71.0
119	31.6	25.5	38.3

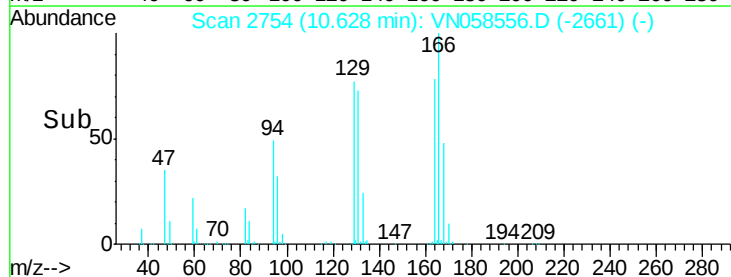
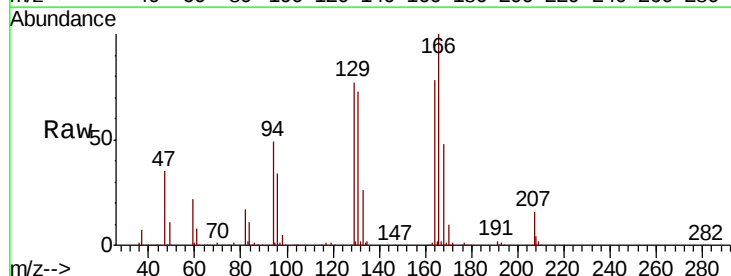
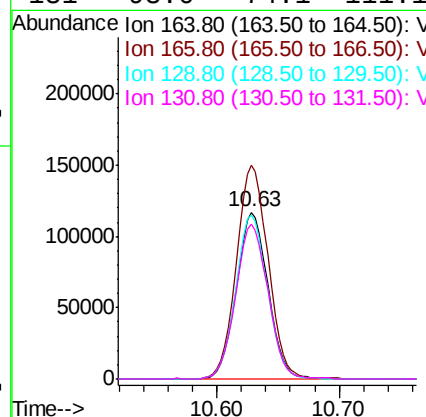
Manual Integrations
APPROVED

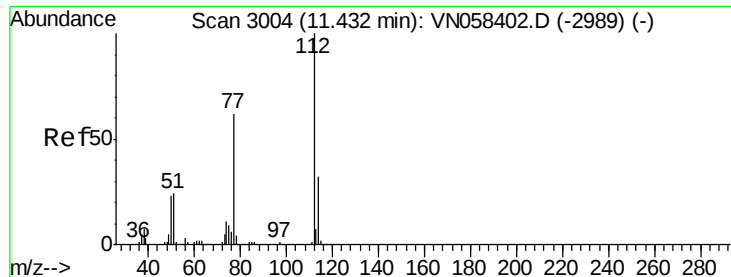
MMDadoda
10/7/2019 12:08:55 PM



#64
Tetrachloroethene
Concen: 53.956 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.1	151.7
129	98.6	79.2	118.8
131	93.0	74.1	111.1





#65

Chlorobenzene

Concen: 50.731 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 620412

Ion Ratio Lower Upper

112 100

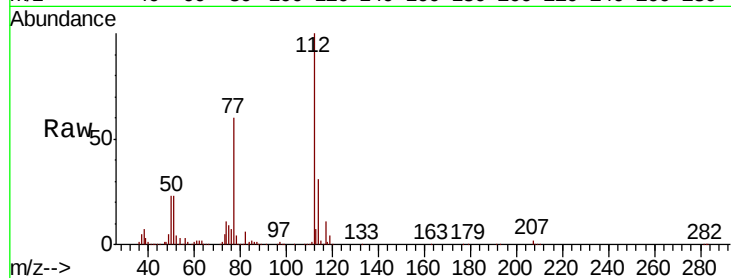
114 31.0 25.4 38.2

Manual Integrations

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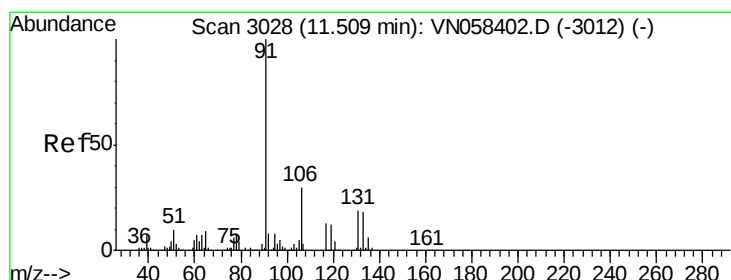
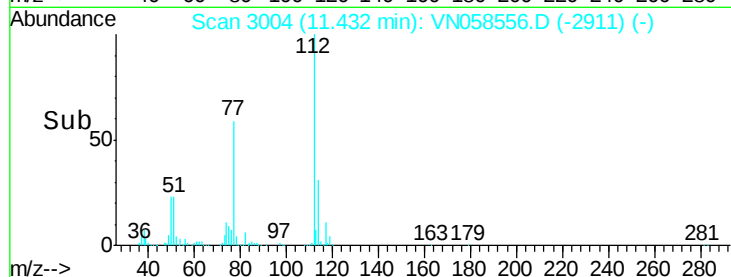
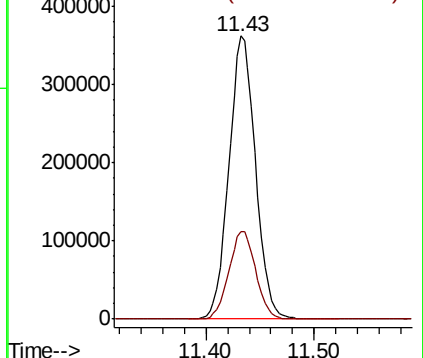
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.982 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

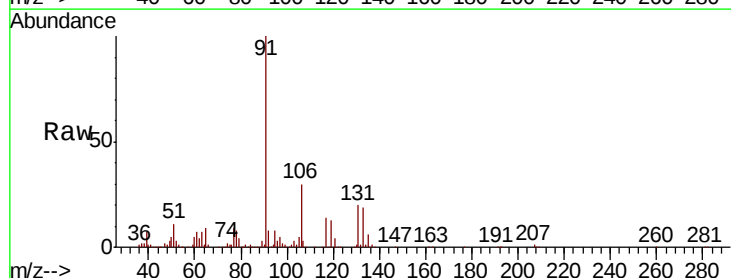
Tgt Ion:131 Resp: 230664

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

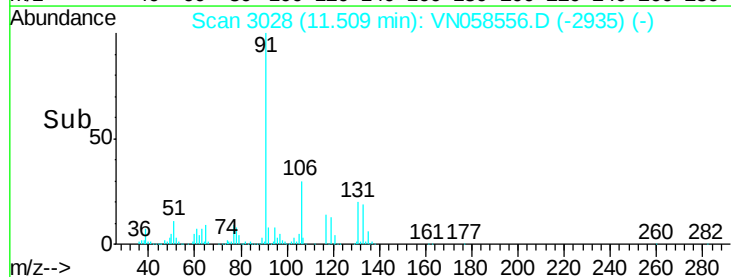
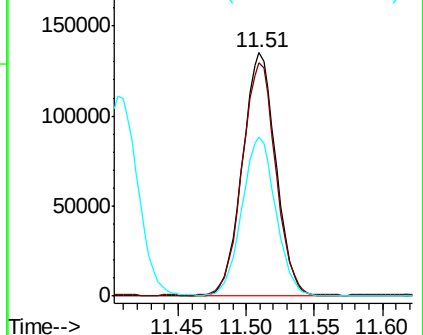
119 65.8 33.0 99.0

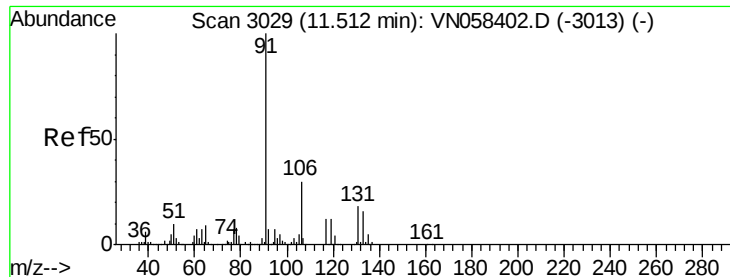


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.533 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1141495

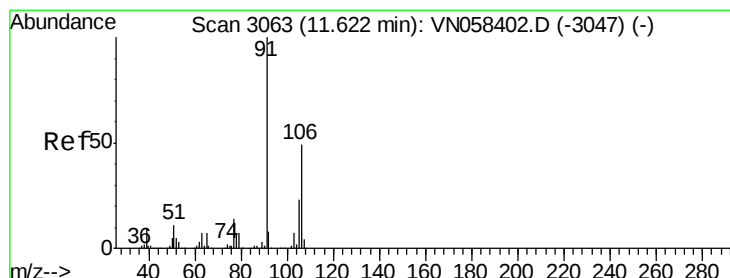
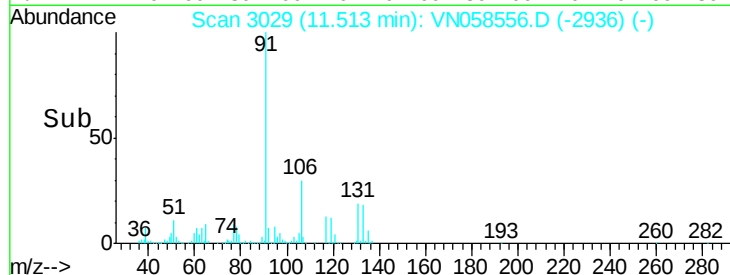
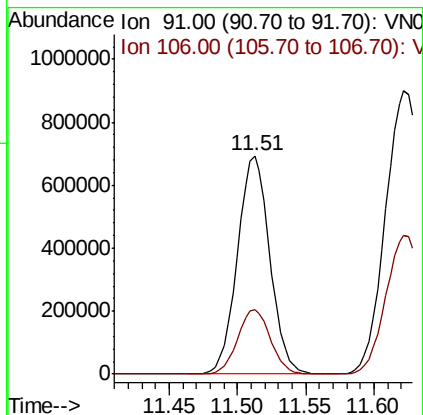
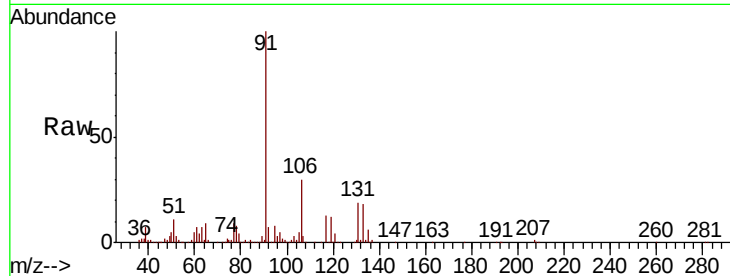
Ion Ratio Lower Upper

91 100

106 29.8 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.911 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058556.D

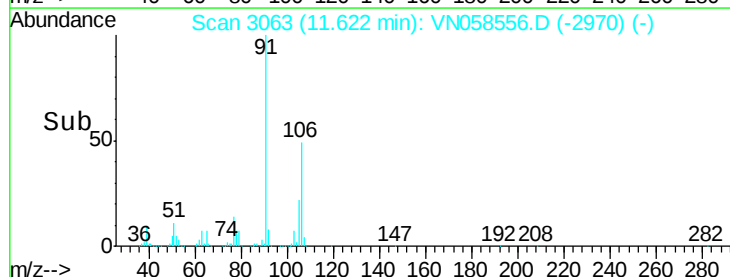
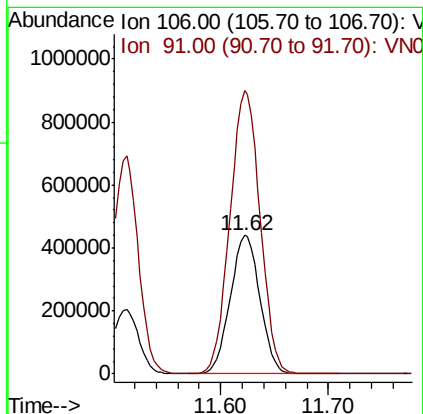
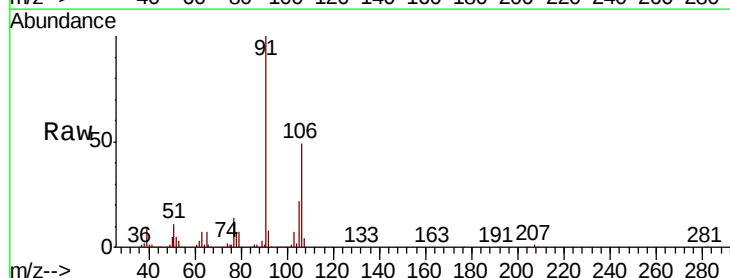
Acq: 4 Oct 2019 20:56

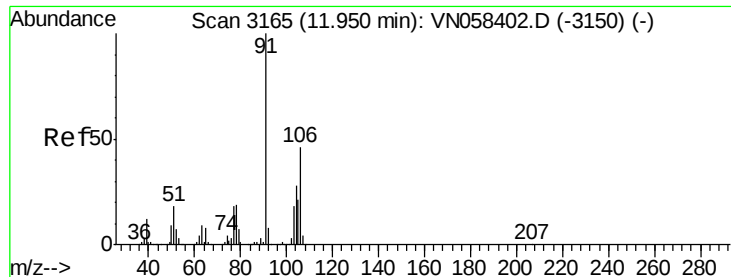
Tgt Ion: 106 Resp: 841003

Ion Ratio Lower Upper

106 100

91 207.9 165.0 247.4





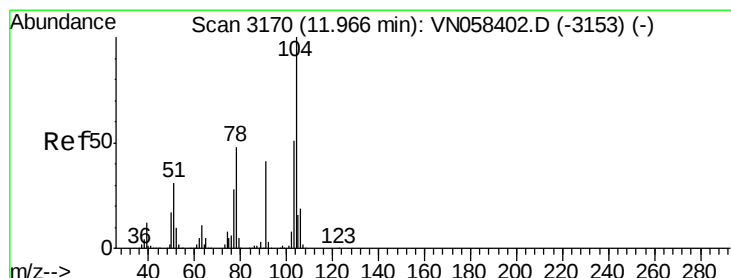
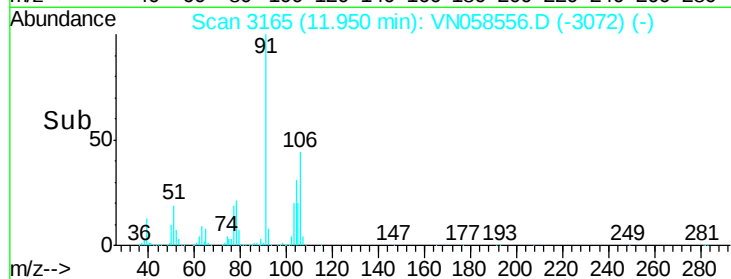
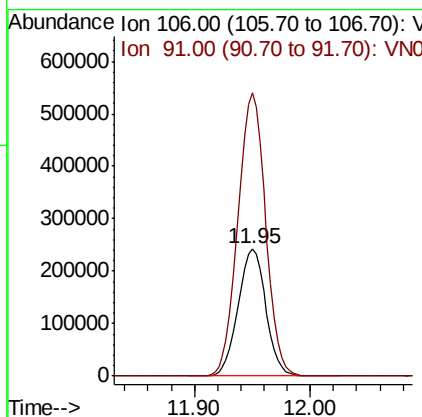
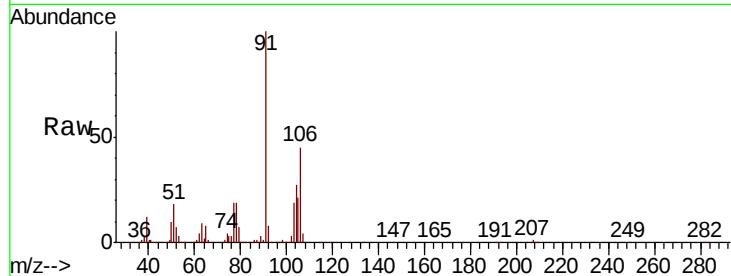
#69
o-Xylene
Concen: 50.052 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.9	109.1	327.4	

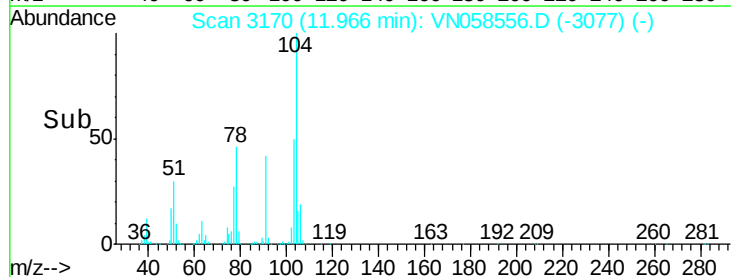
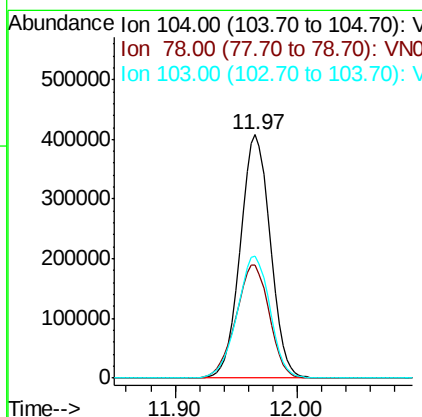
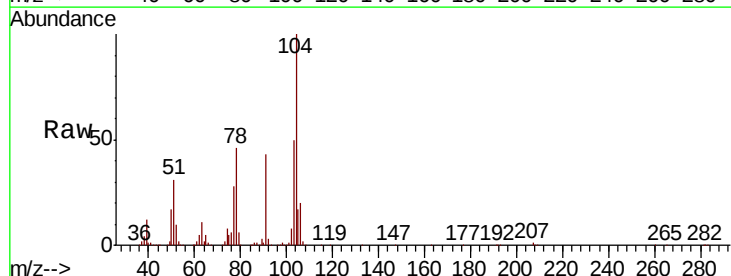
Manual Integrations
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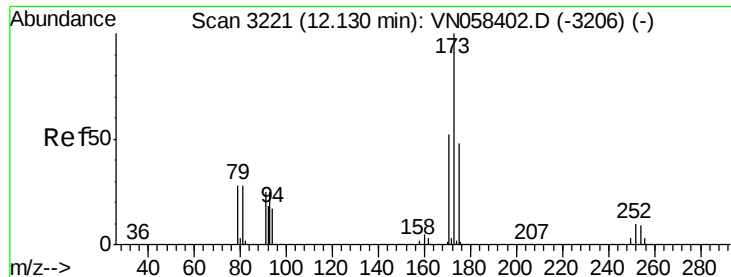
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#70
Styrene
Concen: 52.929 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.1	42.8	64.2	
103	55.2	43.7	65.5	





#71

Bromoform

Concen: 52.727 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

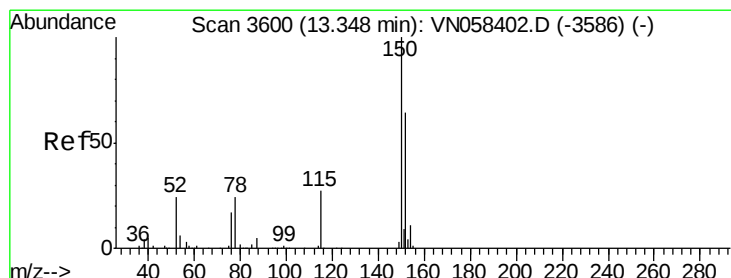
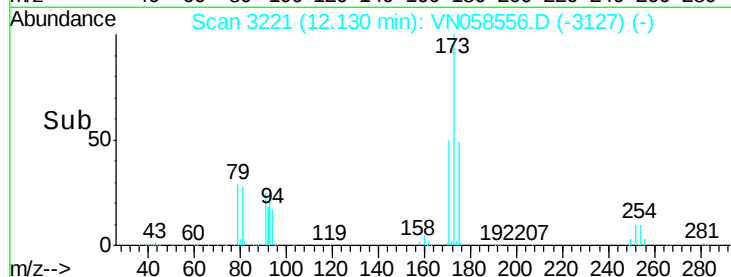
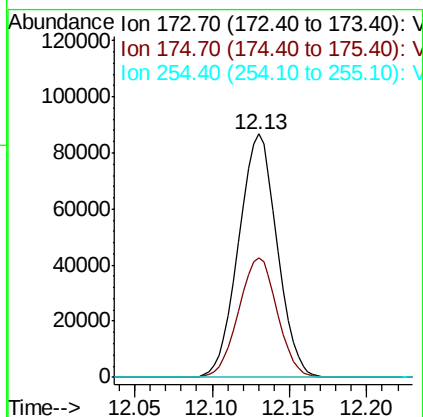
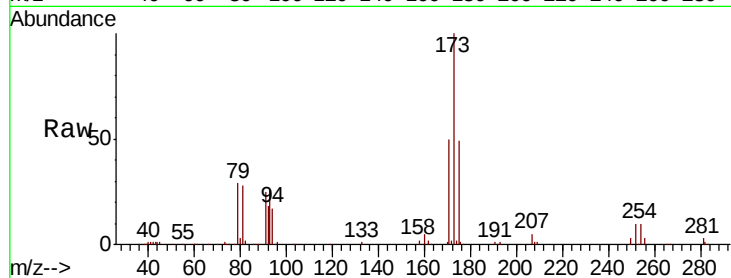
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	150246
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.3	73.0
254	0.1	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

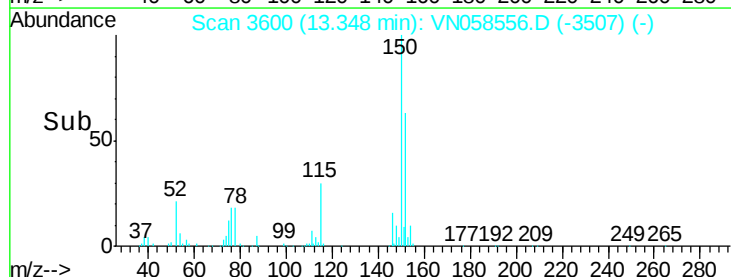
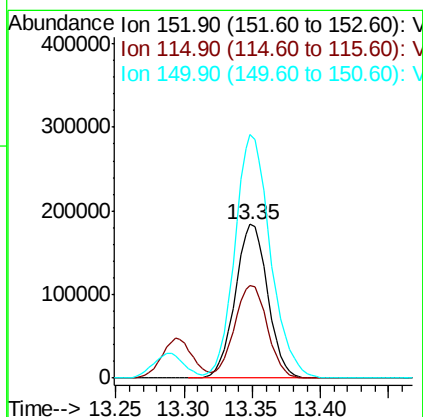
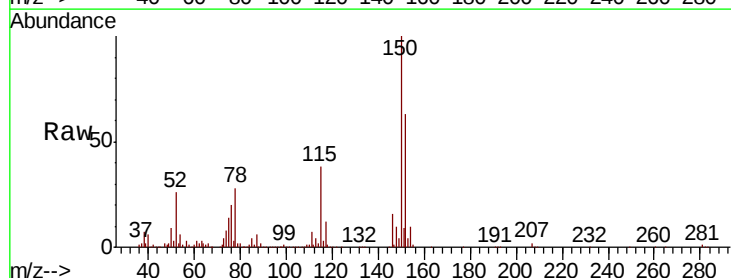
RT: 13.35 min Scan# 3600

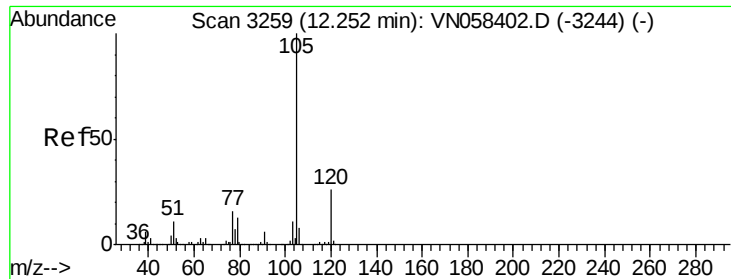
Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	152	Resp:	303941
Ion Ratio	Lower	Upper	
152	100		
115	60.8	30.0	90.0
150	172.6	0.0	348.2





#73

Isopropylbenzene

Concen: 49.334 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1108129

Ion Ratio Lower Upper

105 100

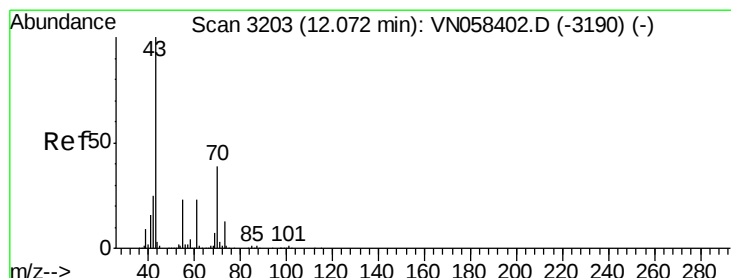
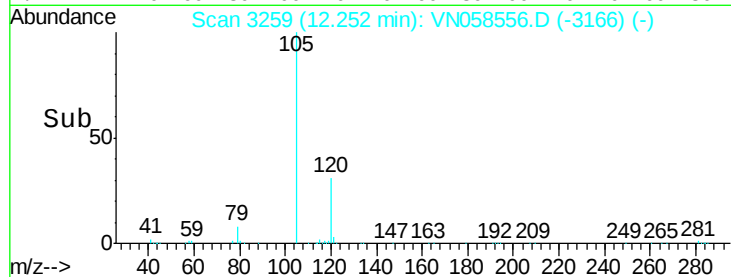
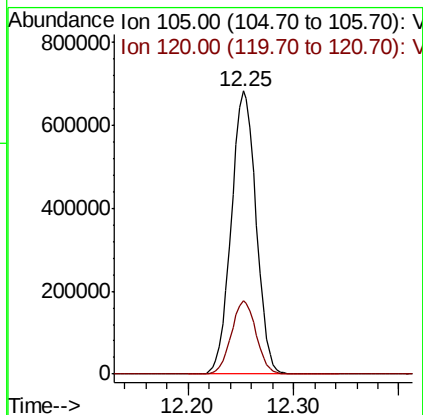
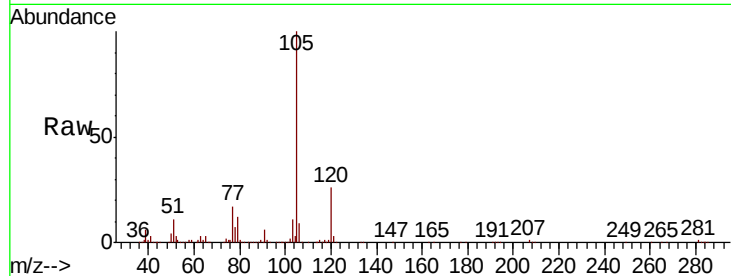
120 25.9 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.663 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion: 43 Resp: 479537

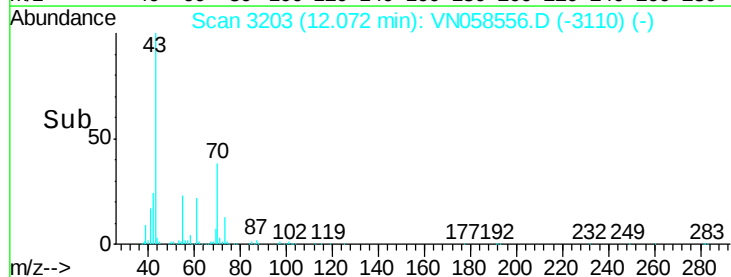
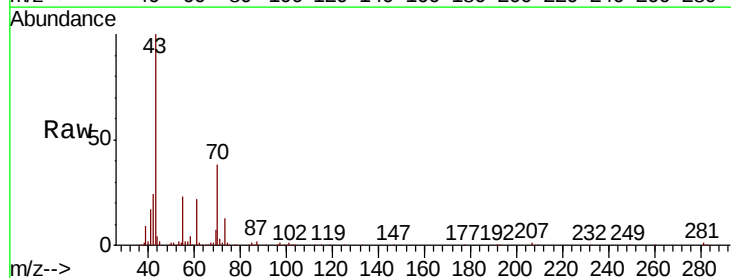
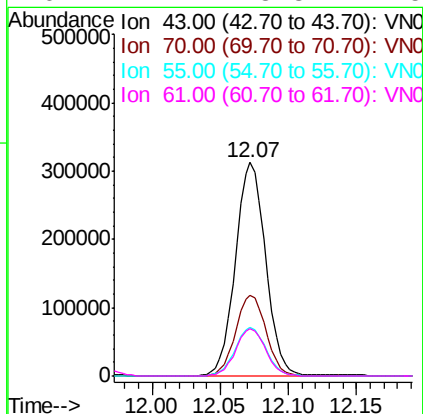
Ion Ratio Lower Upper

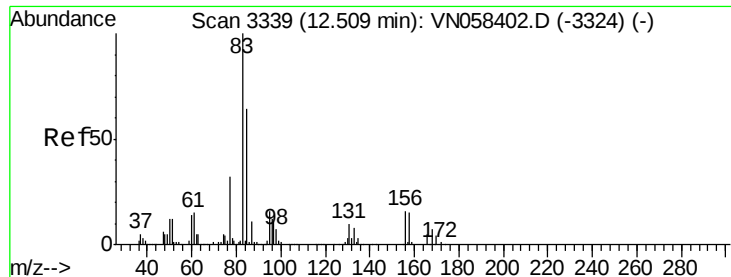
43 100

70 38.3 31.4 47.2

55 23.5 18.2 27.4

61 22.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.262 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 340485

Ion Ratio Lower Upper

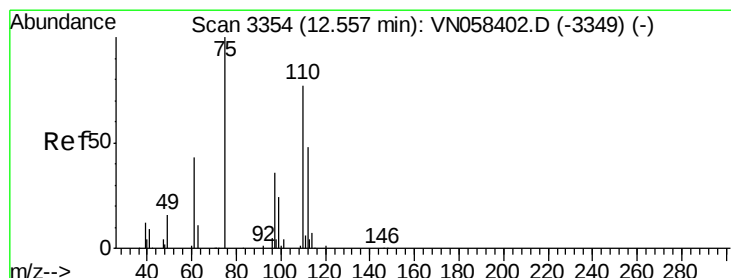
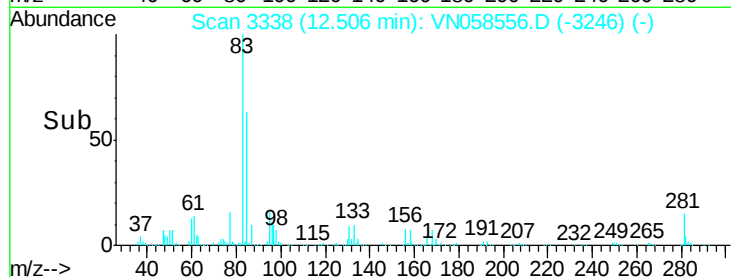
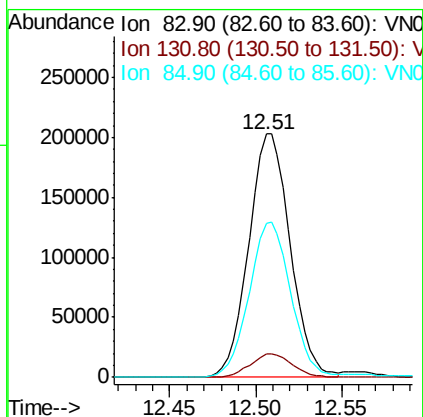
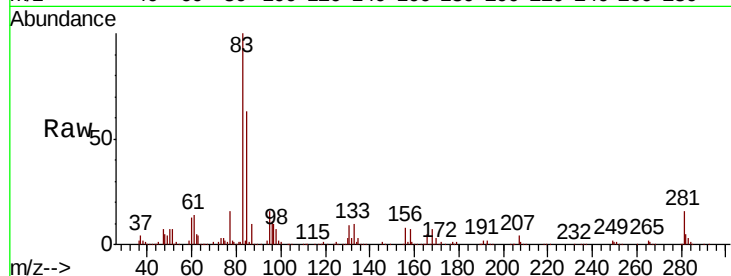
83 100

131 10.0 4.9 14.7

85 63.7 32.0 96.0

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#76

1,2,3-Trichloropropane

Concen: 54.465 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058556.D

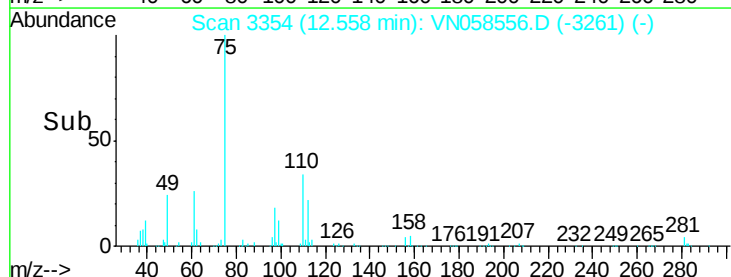
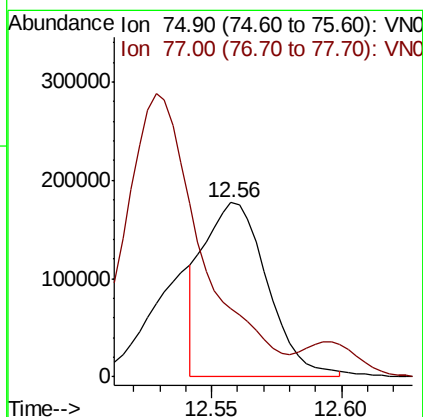
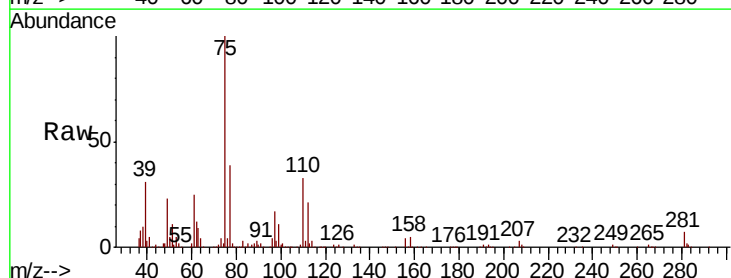
Acq: 4 Oct 2019 20:56

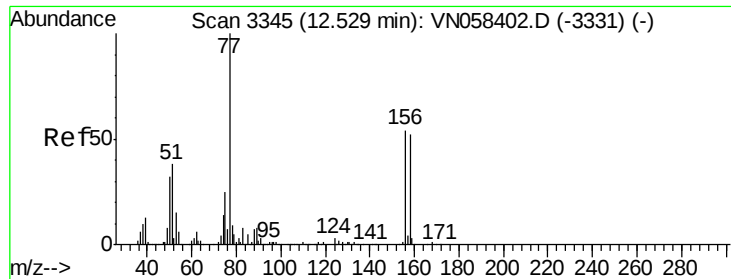
Tgt Ion: 75 Resp: 302361

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.946 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

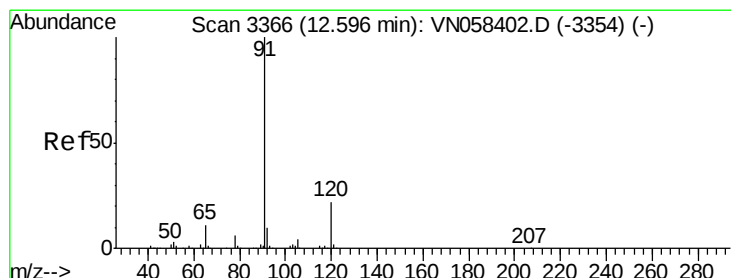
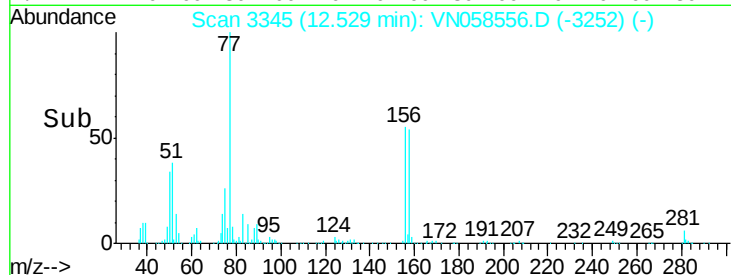
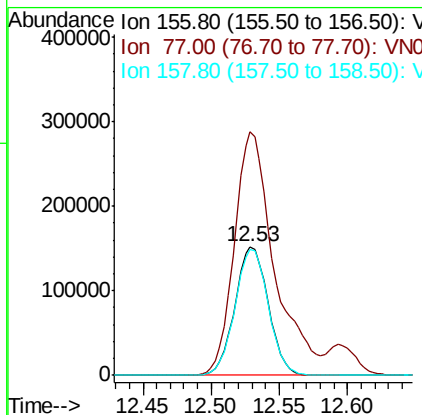
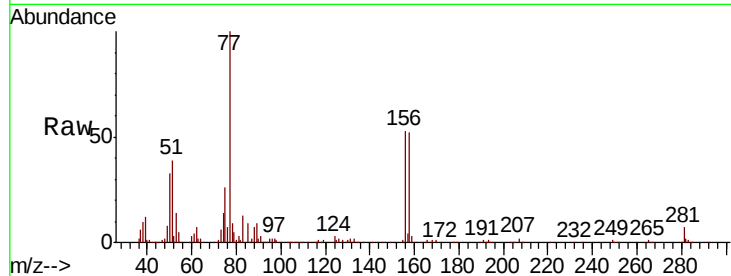
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	257790
Ion Ratio	Lower	Upper	
156	100		
77	226.9	110.0	330.0
158	98.1	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.758 ug/l

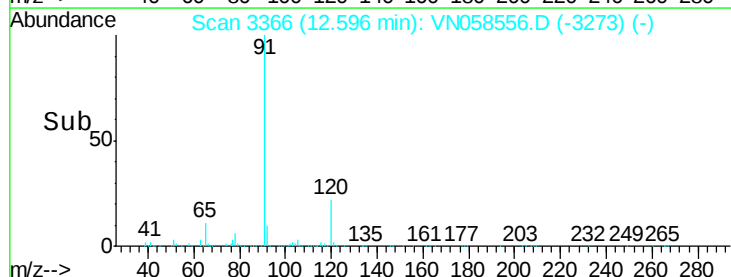
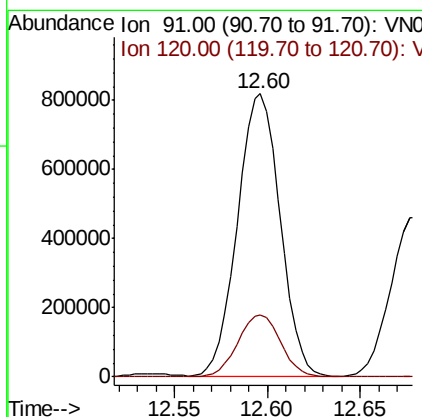
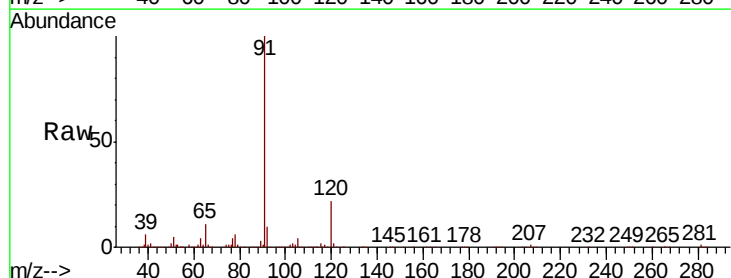
RT: 12.60 min Scan# 3366

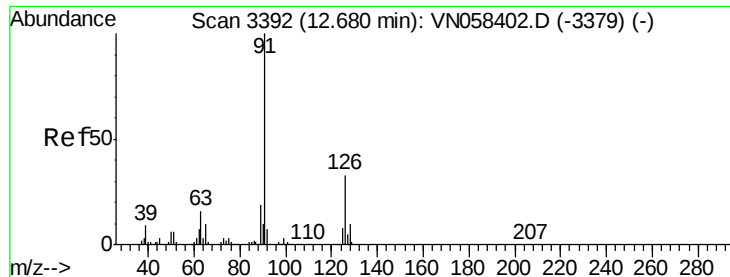
Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	91	Resp:	1309778
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.9	32.9





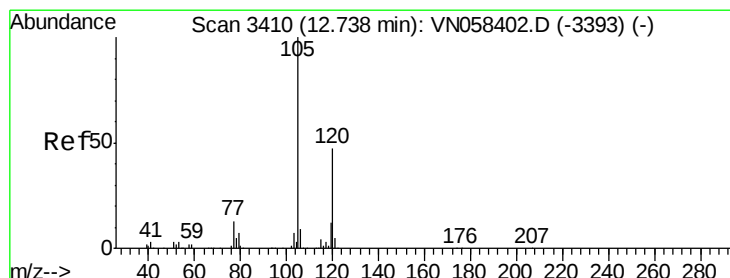
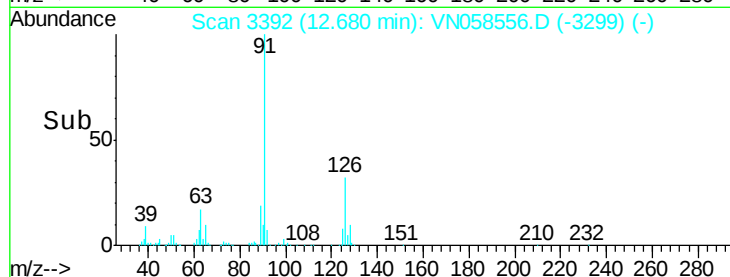
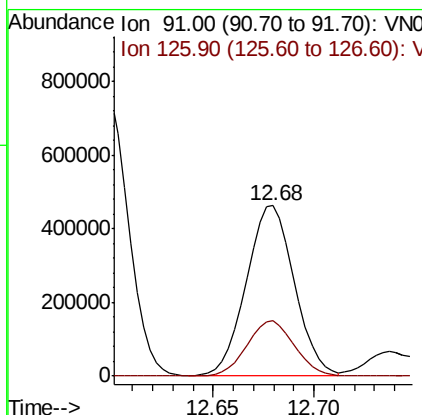
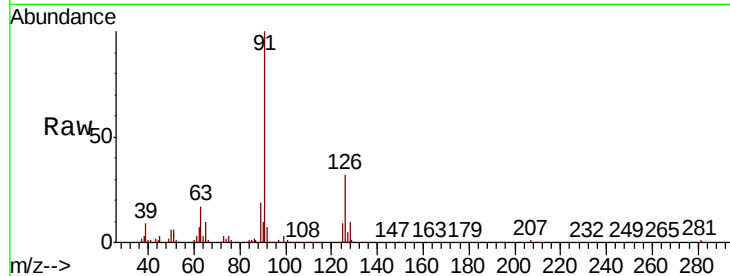
#79
2-Chlorotoluene
Concen: 49.283 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 769787
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6

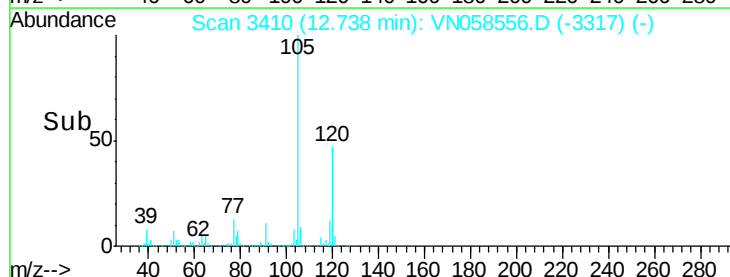
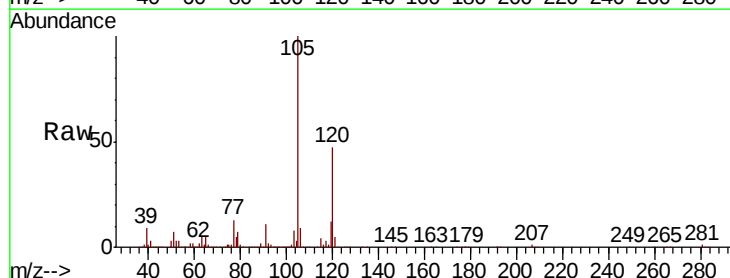
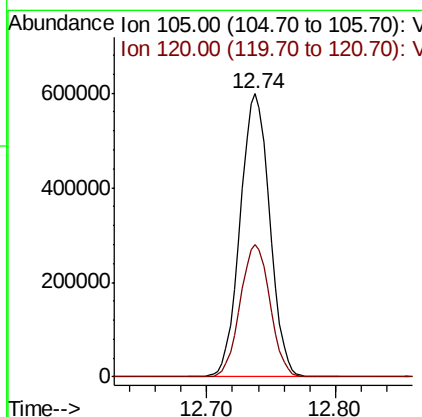
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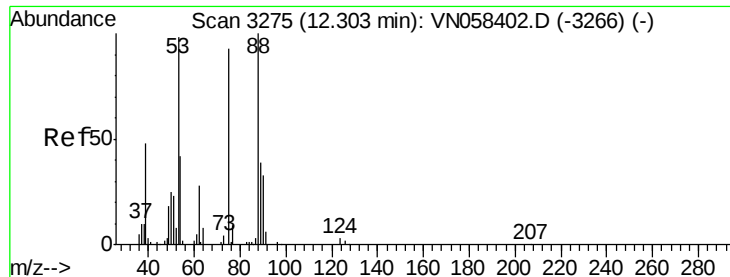
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 50.687 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 105 Resp: 953070
Ion Ratio Lower Upper
105 100
120 47.3 23.5 70.6





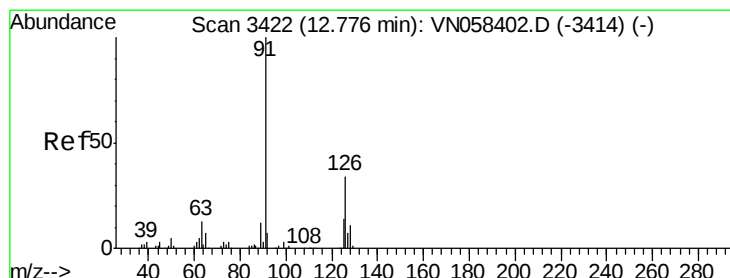
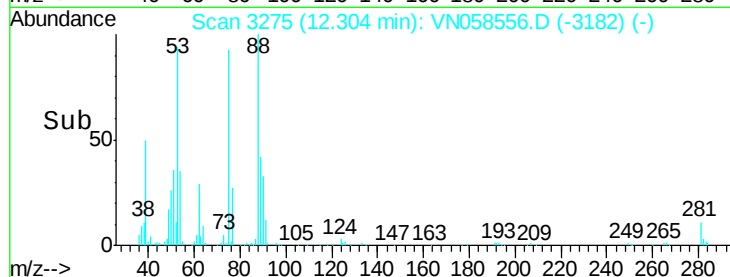
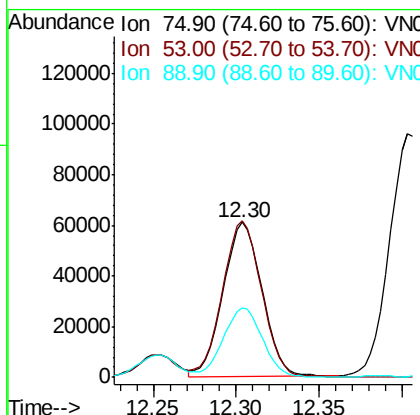
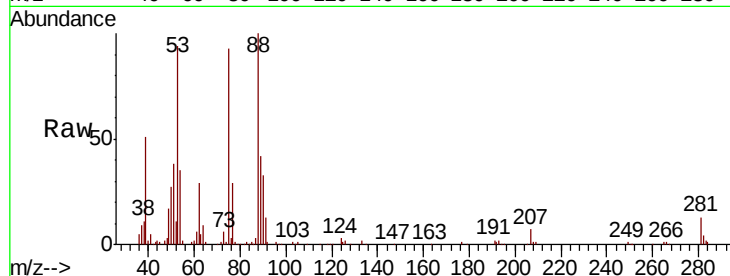
#81
trans-1,4-Dichloro-2-butene
Concen: 54.122 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.3	85.4	128.0
89	45.5	35.0	52.4

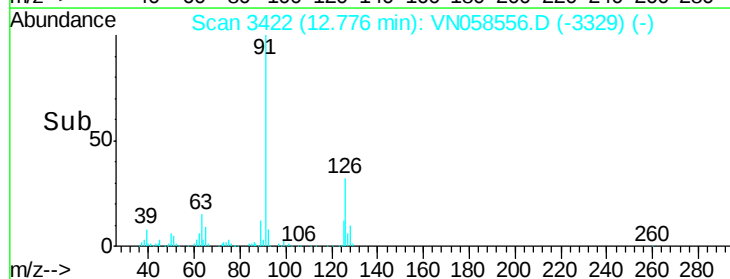
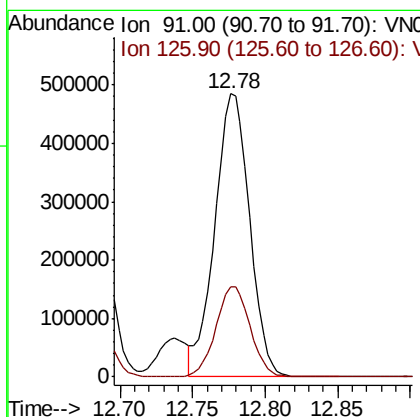
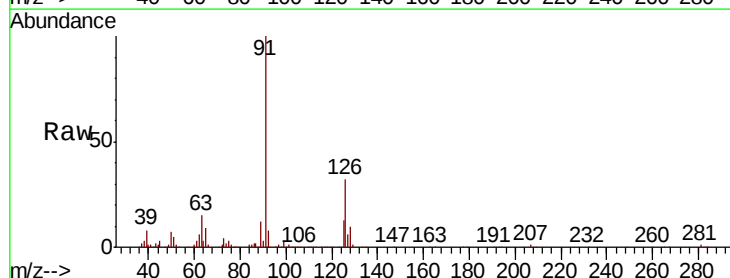
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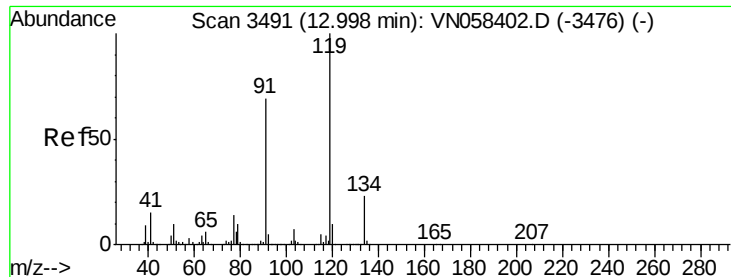
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.666 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.7





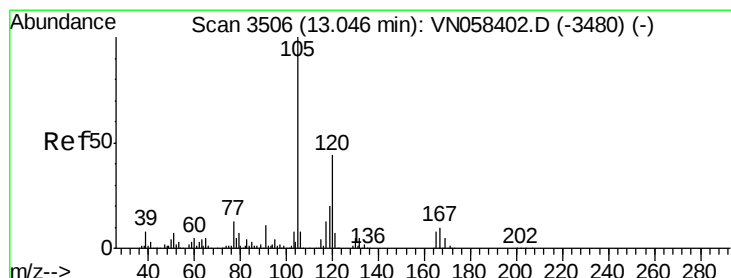
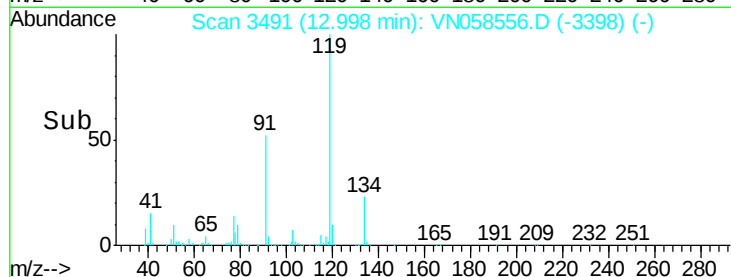
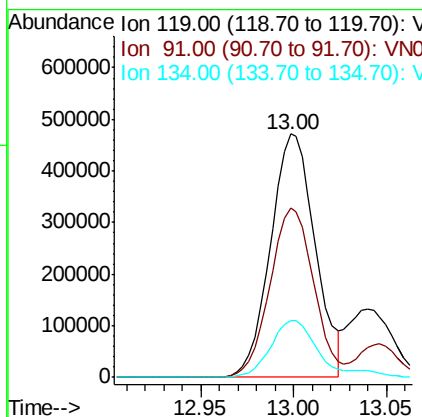
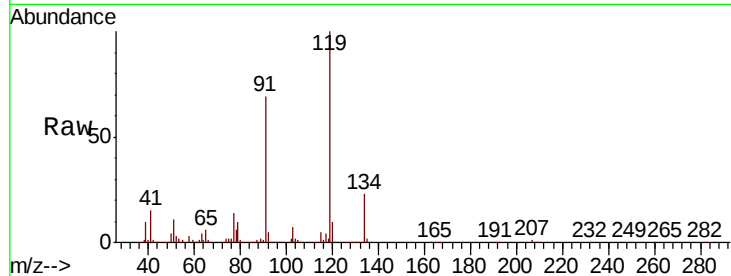
#83
tert-Butylbenzene
Concen: 49.949 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.2	102.6
134	23.8	11.6	34.8

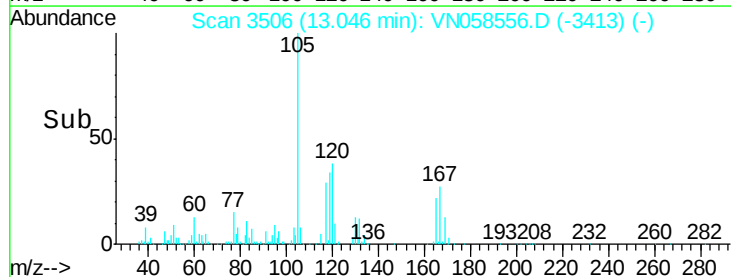
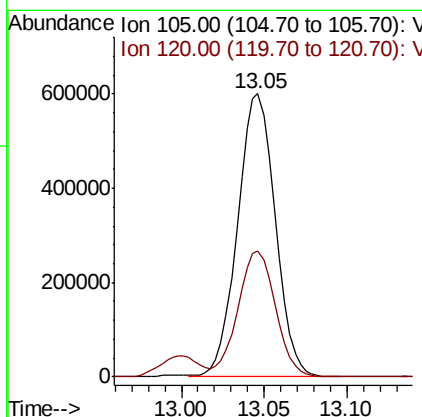
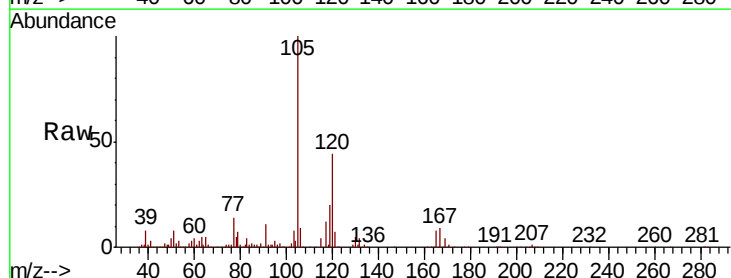
Manual Integrations
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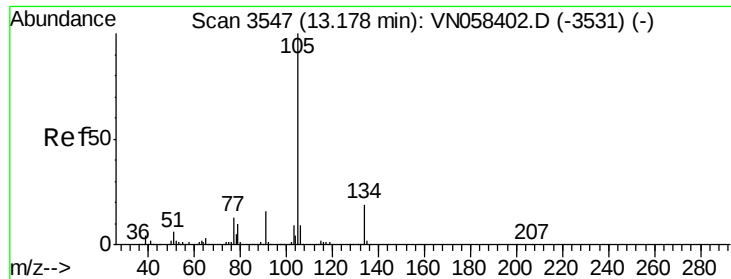
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#84
1,2,4-Trimethylbenzene
Concen: 50.224 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.7	65.1





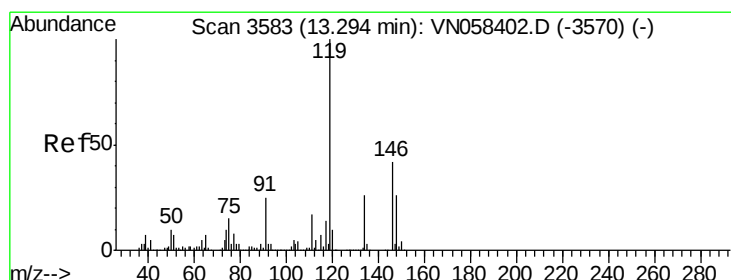
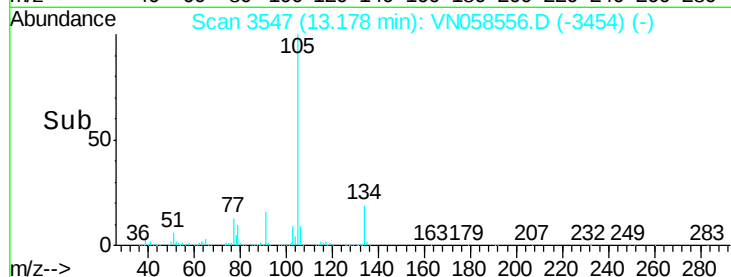
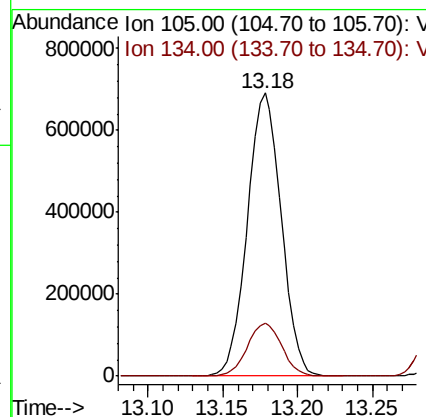
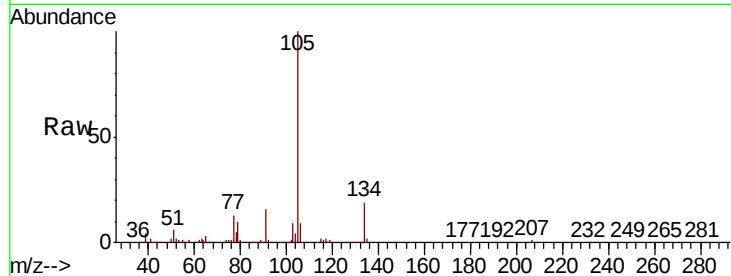
#85
 sec-Butylbenzene
 Concen: 52.135 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.4	28.2

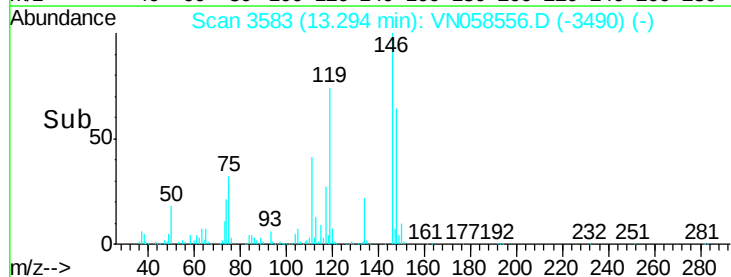
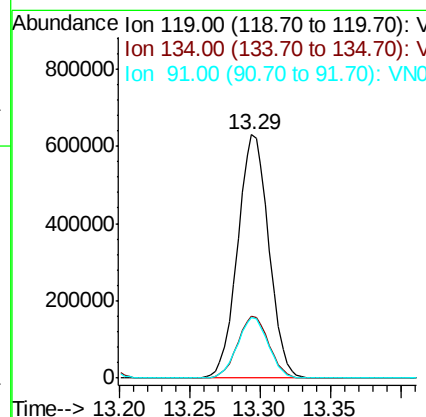
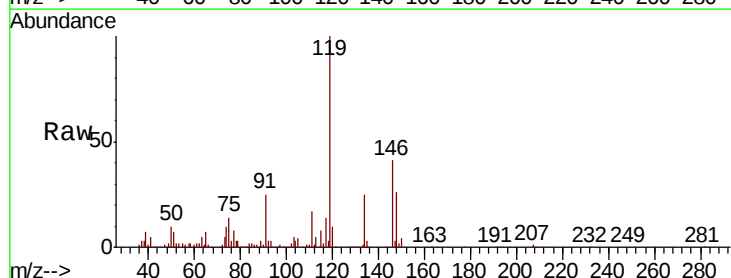
Manual Integrations
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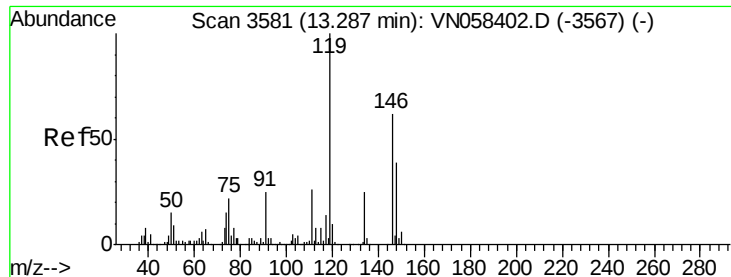
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#86
 p-Isopropyltoluene
 Concen: 52.754 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	24.7	12.4	37.0





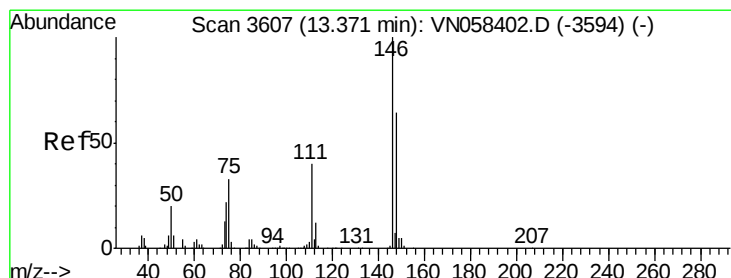
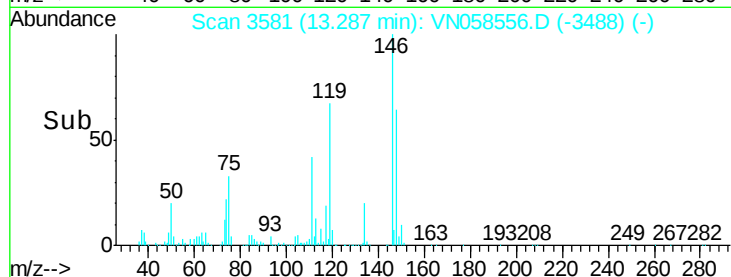
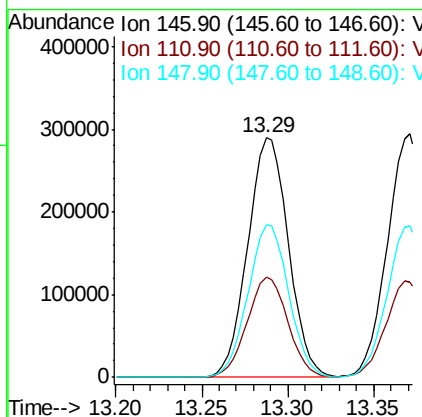
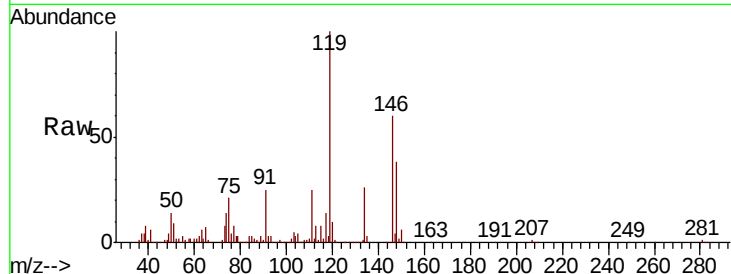
#87
 1,3-Dichlorobenzene
 Concen: 49.889 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	63.7	31.4	94.3

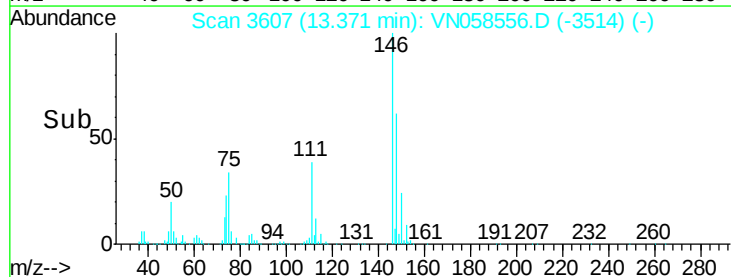
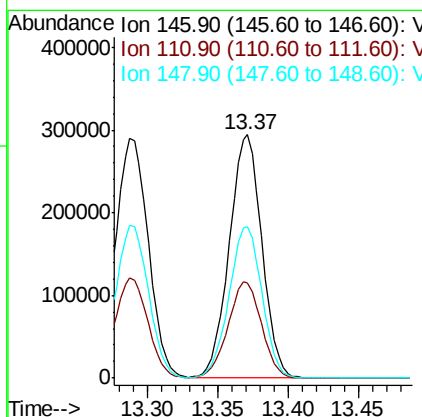
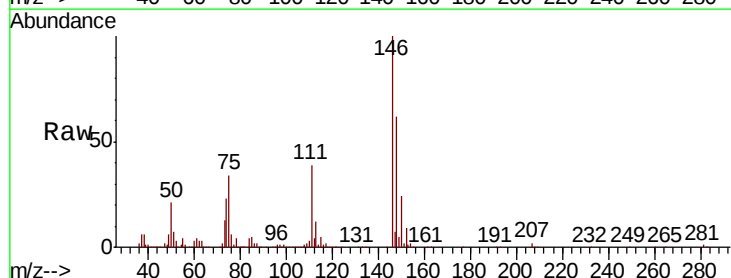
Manual Integrations
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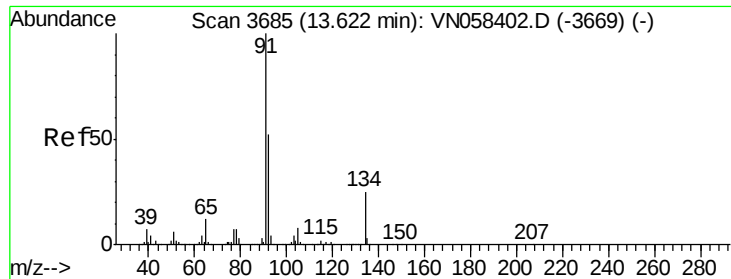
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#88
 1,4-Dichlorobenzene
 Concen: 50.010 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	63.0	31.5	94.5





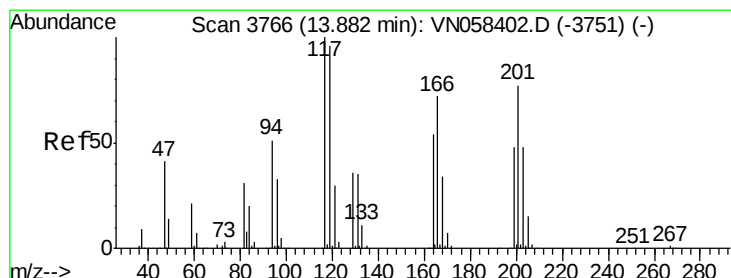
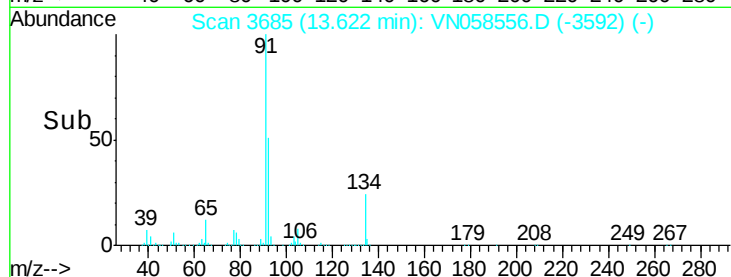
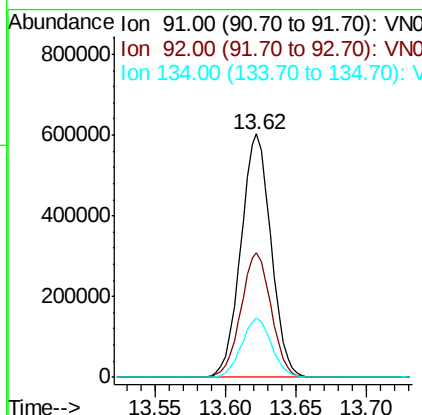
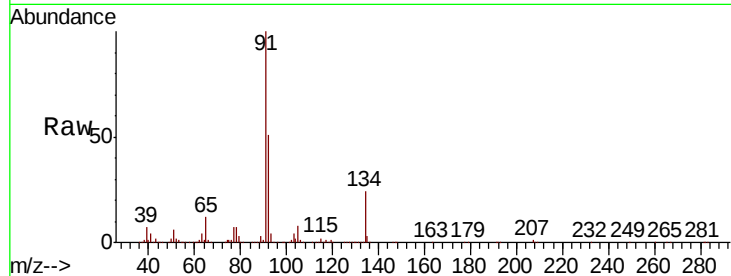
#89
n-Butylbenzene
Concen: 54.254 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.1
134	24.3	12.2	36.6

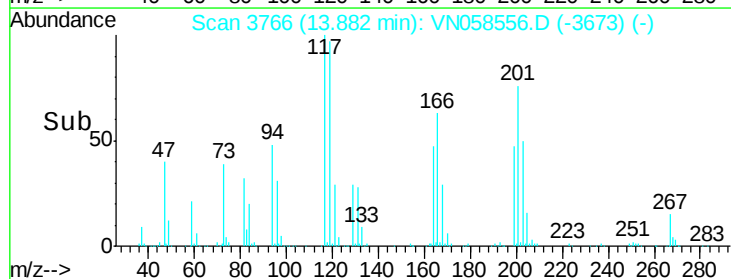
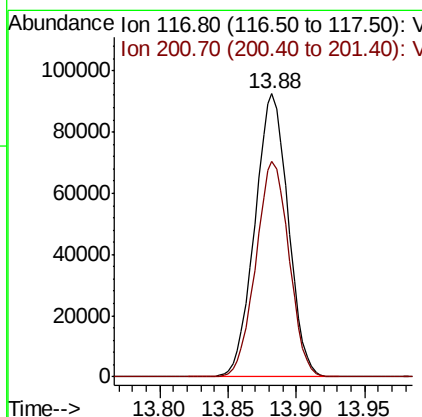
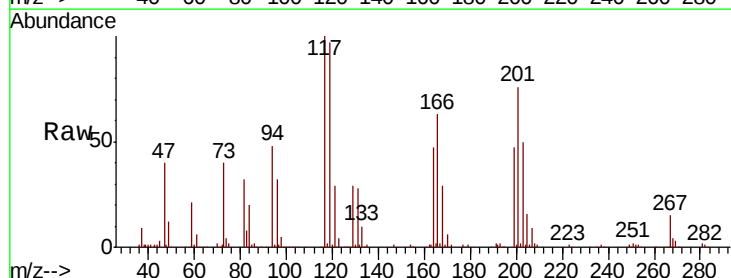
Manual Integrations
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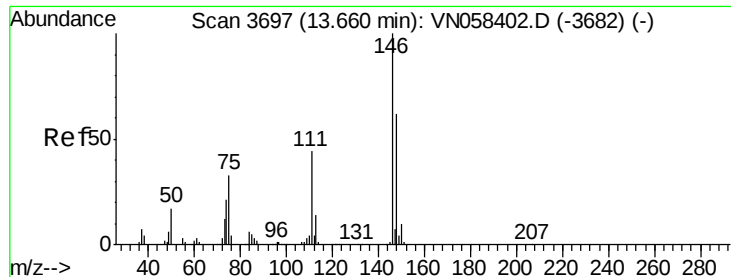
MMDadoda
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#90
Hexachloroethane
Concen: 56.911 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	38.6	116.0





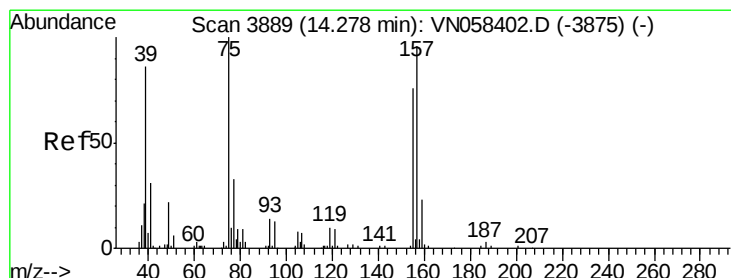
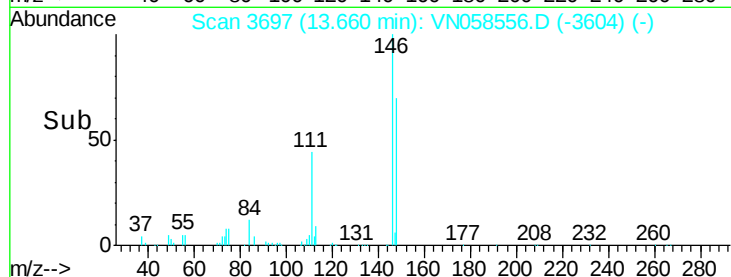
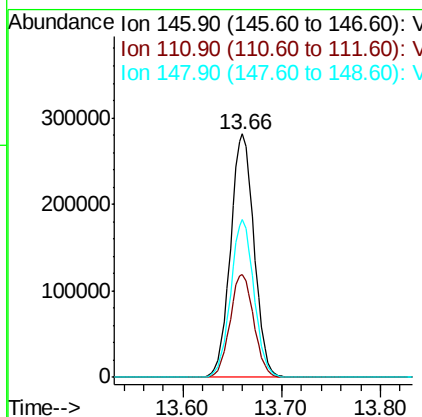
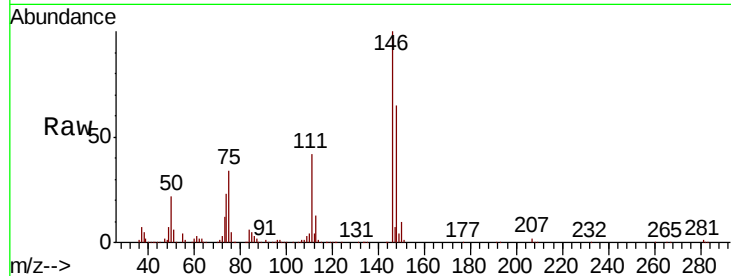
#91
 1,2-Dichlorobenzene
 Concen: 50.994 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.1	31.5	94.5

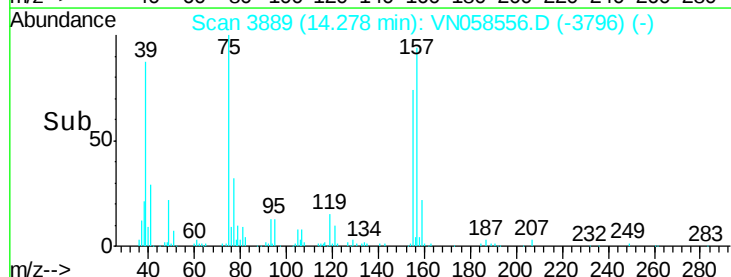
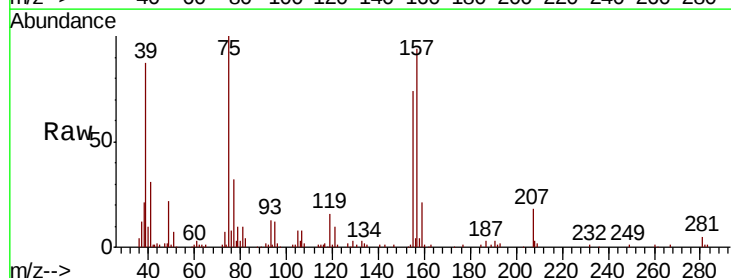
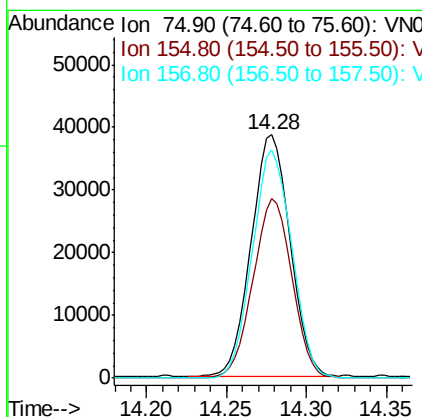
Manual Integrations
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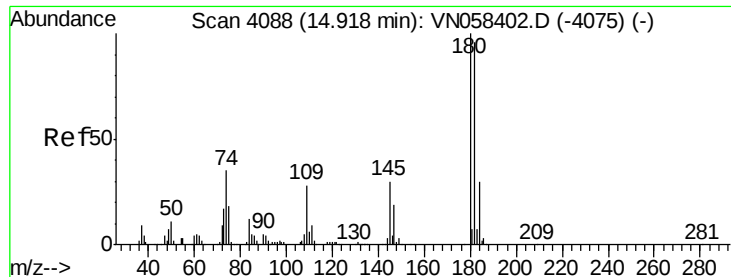
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.145 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	39.2	117.6
157	95.4	48.7	146.1





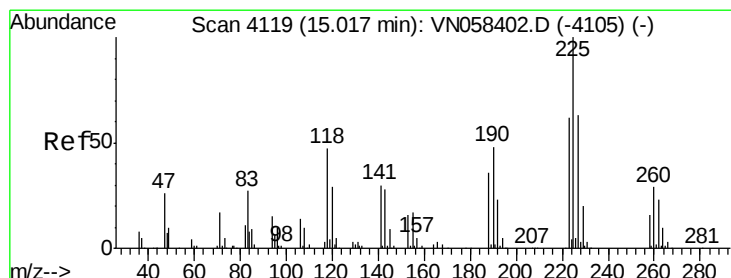
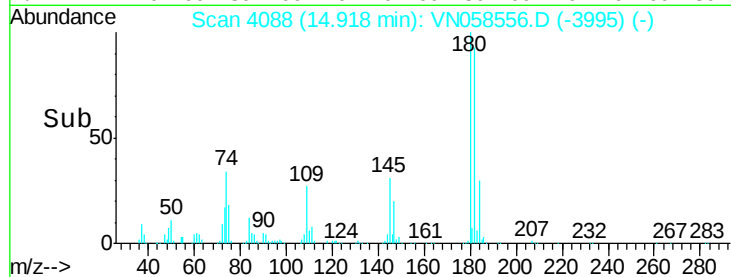
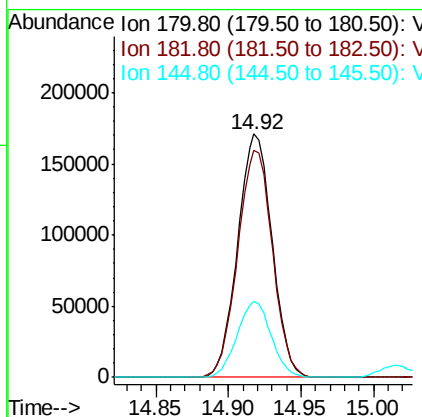
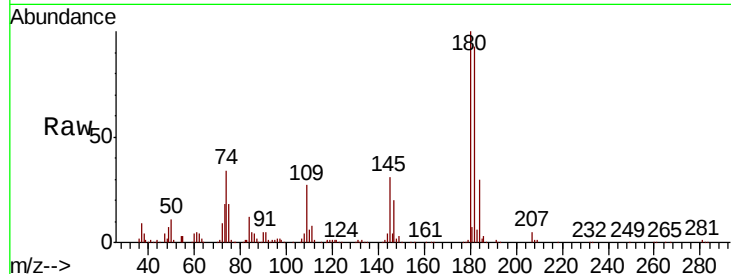
#93
 1,2,4-Trichlorobenzene
 Concen: 55.638 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282122		
182	94.4	47.4	142.3	
145	30.9	15.3	45.9	

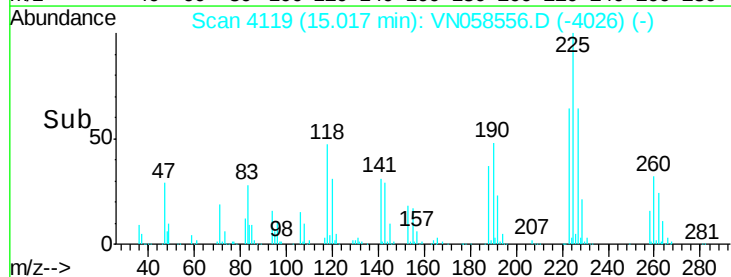
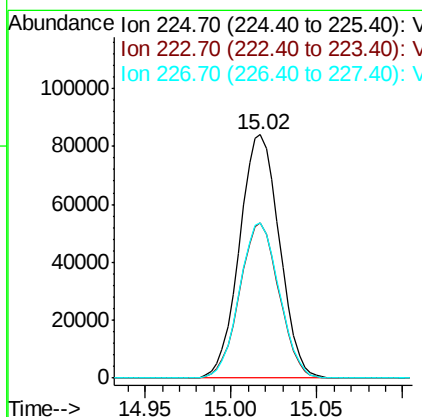
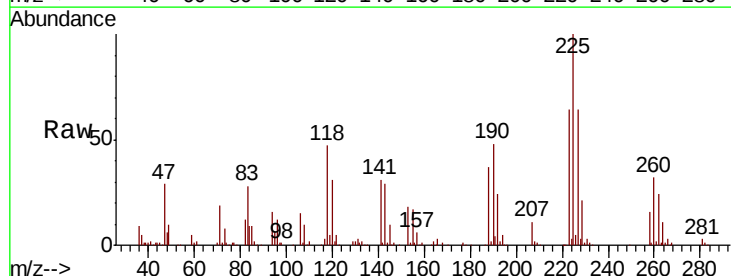
Manual Integrations
 APPROVED

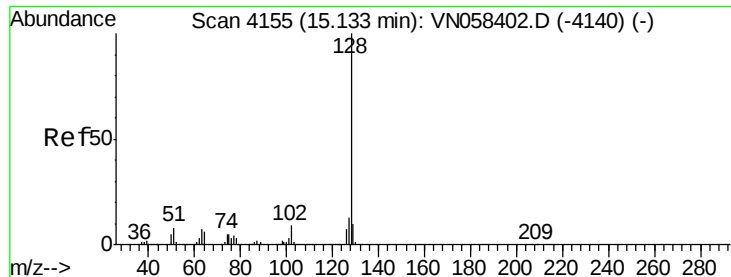
MMDadoda
 10/7/2019 12:08:55 PM



#94
 Hexachlorobutadiene
 Concen: 52.130 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135864		
223	62.8	31.1	93.5	
227	63.4	31.4	94.2	





#95

Naphthalene

Concen: 52.260 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

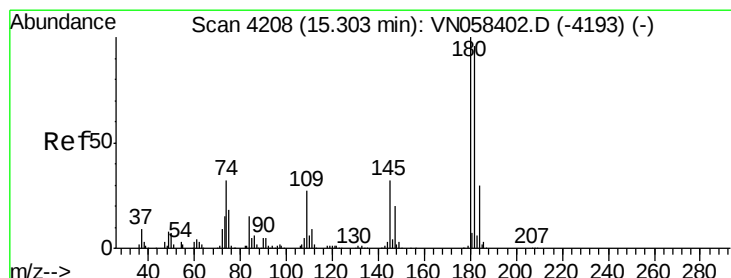
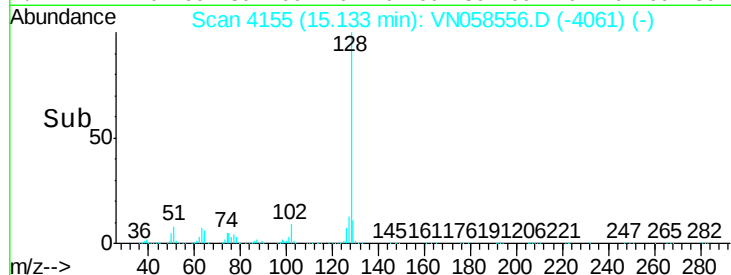
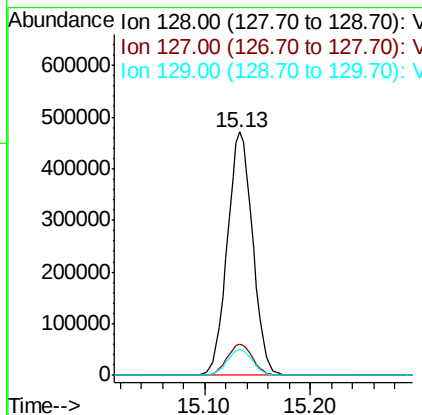
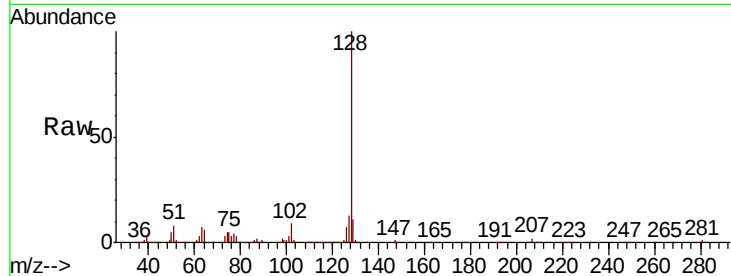
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	776017
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 52.123 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	180	Resp:	264973
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.3	144.9
145	32.7	16.1	48.3

