

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058397.D
 Acq On : 26 Sep 2019 20:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:20:23 AM

Quant Time: Sep 27 05:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	481450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	817890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	709850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	334978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331258	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.57	113	240823	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.08	98	887720	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.41	95	331604	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	154372	39.032	ug/l	99
3) Chloromethane	2.04	50	133906	43.796	ug/l	99
4) Vinyl Chloride	2.17	62	146858	43.943	ug/l	97
5) Bromomethane	2.50	94	53053	30.351	ug/l	96
6) Chloroethane	2.61	64	58528	26.588	ug/l	100
7) Trichlorofluoromethane	2.94	101	250405	46.385	ug/l	96
8) Diethyl Ether	3.38	74	127185	51.418	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	182293	46.836	ug/l	99
10) Methyl Iodide	3.91	142	133560	40.952	ug/l	97
11) Tert butyl alcohol	4.85	59	176731m	221.563	ug/l	
12) 1,1-Dichloroethene	3.69	96	145308	49.189	ug/l	97
13) Acrolein	3.58	56	22871	193.479	ug/l	100
14) Allyl chloride	4.28	41	304615	47.829	ug/l	99
15) Acrylonitrile	4.97	53	576784	271.405	ug/l	99
16) Acetone	3.81	43	479674	210.737	ug/l	99
17) Carbon Disulfide	4.01	76	158335	38.147	ug/l	99
18) Methyl Acetate	4.30	43	338051	56.442	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	817067	55.658	ug/l	100
20) Methylene Chloride	4.52	84	202460	50.808	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	158239	49.157	ug/l	96
22) Diisopropyl ether	5.93	45	861623	53.258	ug/l	96
23) Vinyl Acetate	5.87	43	3102050	280.219	ug/l	99
24) 1,1-Dichloroethane	5.82	63	432546	50.094	ug/l	99
25) 2-Butanone	6.82	43	774923	249.894	ug/l	100
26) 2,2-Dichloropropane	6.80	77	326828	44.616	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	242568	49.683	ug/l	99
28) Bromochloromethane	7.18	49	205036	50.196	ug/l	100
29) Tetrahydrofuran	7.20	42	493060	258.128	ug/l	99
30) Chloroform	7.35	83	459020	49.387	ug/l	98
31) Cyclohexane	7.63	56	254525	45.379	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	361074	51.031	ug/l	99
36) 1,1-Dichloropropene	7.77	75	259909	44.066	ug/l	99
37) Ethyl Acetate	6.91	43	334044	54.573	ug/l	99
38) Carbon Tetrachloride	7.75	117	276441	46.625	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	246686	43.267	ug/l	99
40) Benzene	8.02	78	854543	47.435	ug/l	99
41) Methacrylonitrile	7.15	41	137347	44.640	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	370428	49.003	ug/l	99
43) Isopropyl Acetate	8.15	43	613170	53.638	ug/l #	91
44) Trichloroethene	8.82	130	209290	47.474	ug/l	100
45) 1,2-Dichloropropane	9.11	63	272448	50.641	ug/l	99
46) Dibromomethane	9.20	93	161207	49.285	ug/l	100
47) Bromodichloromethane	9.39	83	347466	50.706	ug/l	98
48) Methyl methacrylate	9.19	41	271548	52.317	ug/l	98
49) 1,4-Dioxane	9.20	88	52806	619.659	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	1711040	281.791	ug/l	99
52) Toluene	10.15	92	568702	50.371	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376601	53.651	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	396114	51.112	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	256599	51.214	ug/l	98
56) Ethyl methacrylate	10.43	69	384530	53.192	ug/l	98
57) 1,3-Dichloropropane	10.71	76	435010	50.504	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	970094	281.726	ug/l	99
59) 2-Hexanone	10.76	43	1299795	288.227	ug/l	96
60) Dibromochloromethane	10.90	129	264556	54.885	ug/l	99
61) 1,2-Dibromoethane	11.00	107	241168	51.939	ug/l	99
64) Tetrachloroethene	10.63	164	165768	47.905	ug/l	97
65) Chlorobenzene	11.44	112	613068	49.101	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	247178	54.596	ug/l	99
67) Ethyl Benzene	11.51	91	1118980	52.303	ug/l	100
68) m/p-Xylenes	11.62	106	818119	101.532	ug/l	98
69) o-Xylene	11.95	106	408102	51.508	ug/l	99
70) Styrene	11.97	104	715371	52.403	ug/l	99
71) Bromoform	12.13	173	158045	47.295	ug/l #	98
73) Isopropylbenzene	12.26	105	1139919	54.366	ug/l	99
74) N-amyl acetate	12.08	43	546164	62.265	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	395551	56.334	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	348108m	58.066	ug/l	
77) Bromobenzene	12.53	156	271454	51.468	ug/l	98
78) n-propylbenzene	12.60	91	1316717	55.263	ug/l	99
79) 2-Chlorotoluene	12.68	91	796186	53.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	973333	54.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	108738	53.523	ug/l	96
82) 4-Chlorotoluene	12.78	91	836250	53.425	ug/l	99
83) tert-Butylbenzene	13.00	119	845101	53.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	984574	55.800	ug/l	100
85) sec-Butylbenzene	13.18	105	1109472	53.659	ug/l	100
86) p-Isopropyltoluene	13.30	119	992686	54.004	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	505194	52.443	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	513616	52.225	ug/l	99
89) n-Butylbenzene	13.62	91	887757	50.941	ug/l	99
90) Hexachloroethane	13.88	117	155342	48.295	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	521930	54.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	76058	60.168	ug/l	99

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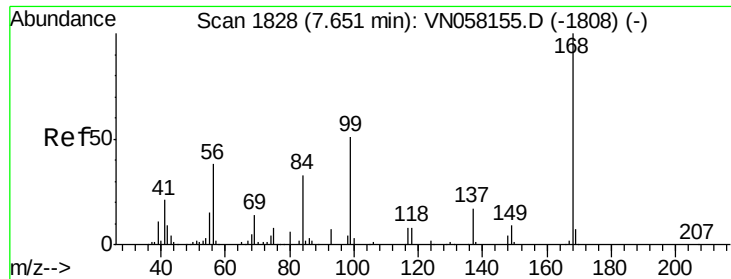
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	333799	54.065	ug/l	100
94) Hexachlorobutadiene	15.02	225	128591	43.092	ug/l	99
95) Naphthalene	15.13	128	976102	61.004	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	308940	52.941	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 481450

Ion Ratio Lower Upper

168 100

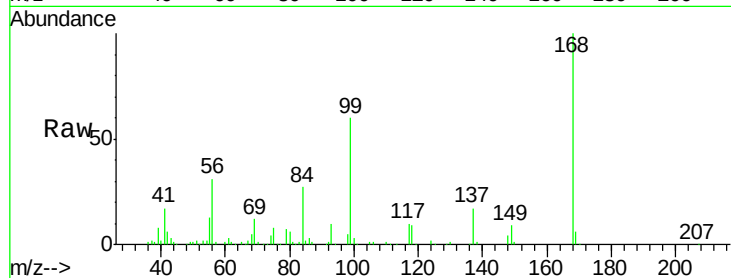
99 59.3 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

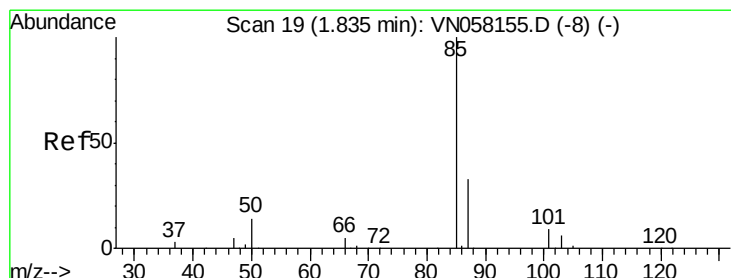
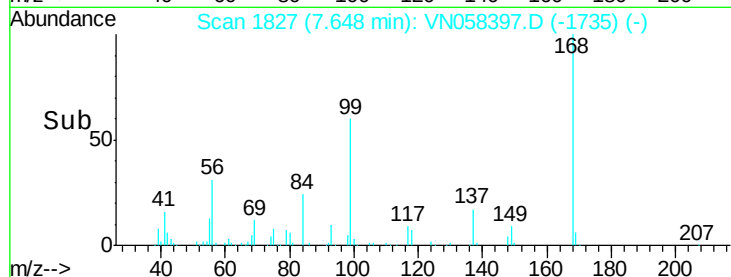
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 39.032 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058397.D

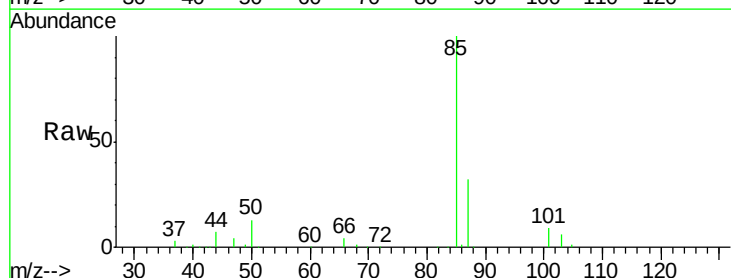
Acq: 26 Sep 2019 20:07

Tgt Ion: 85 Resp: 154372

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

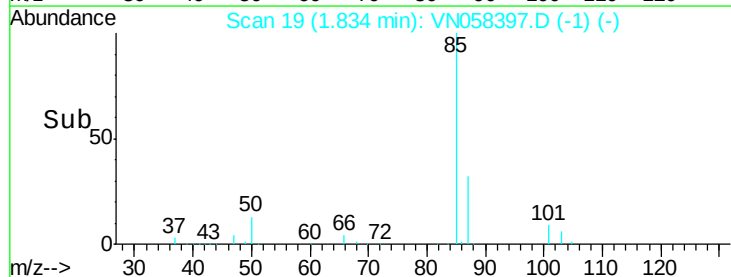
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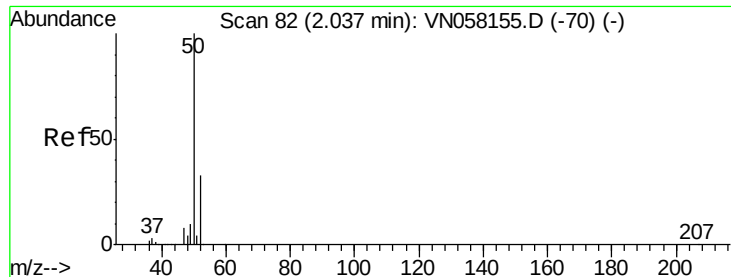
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 43.796 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 133906

Ion Ratio Lower Upper

50 100

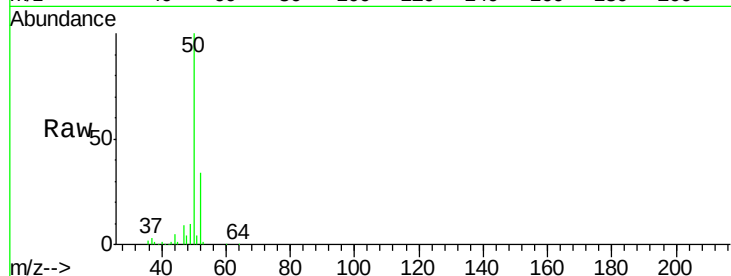
52 33.5 26.3 39.5

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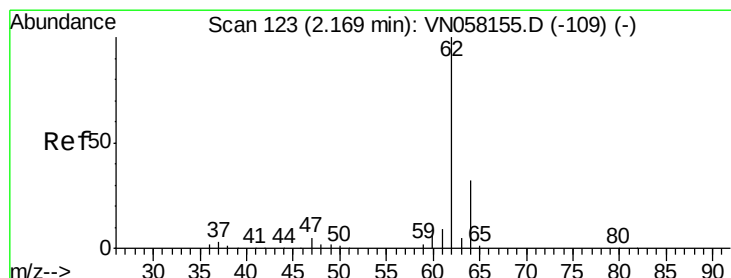
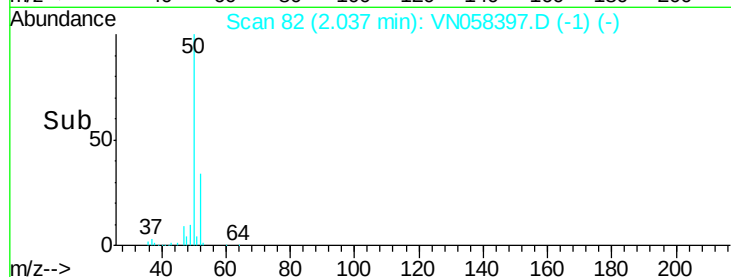
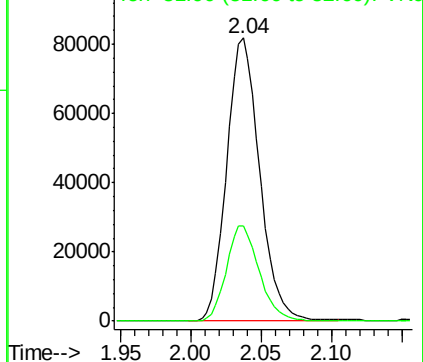
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.943 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058397.D

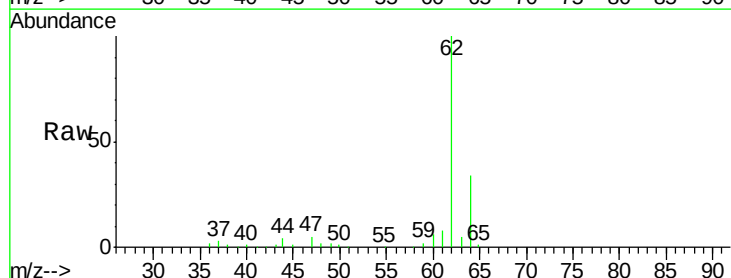
Acq: 26 Sep 2019 20:07

Tgt Ion: 62 Resp: 146858

Ion Ratio Lower Upper

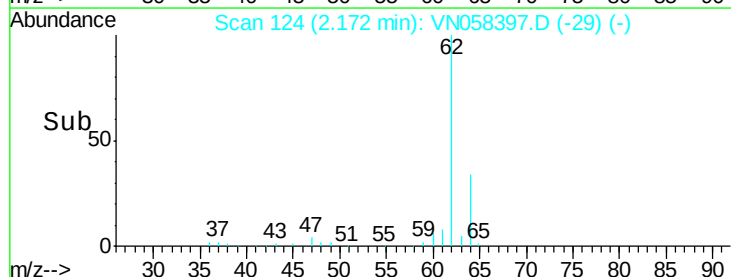
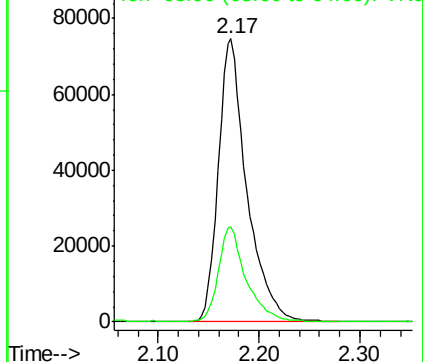
62 100

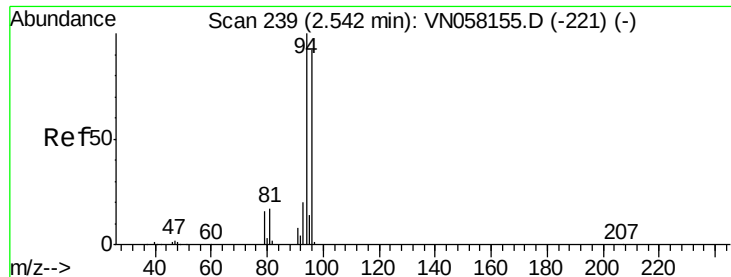
64 33.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 30.351 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.04 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

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MSVOA_N

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VSTDCCC050EC

Tot Ion: 94 Resp: 53053

Ion Ratio Lower Upper

94 100

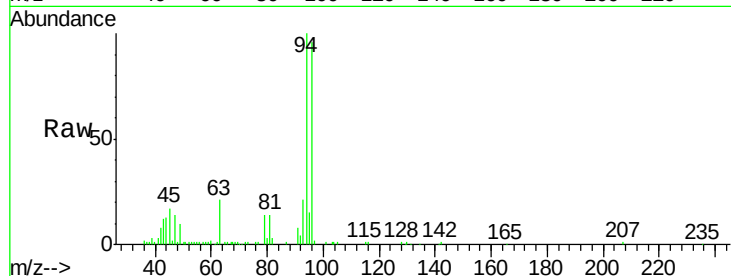
96 95.6 73.3 109.9

Manual Integrations

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9/27/2019 11:20:23 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

40000

30000

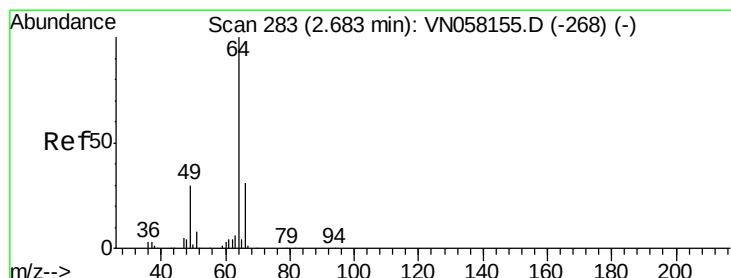
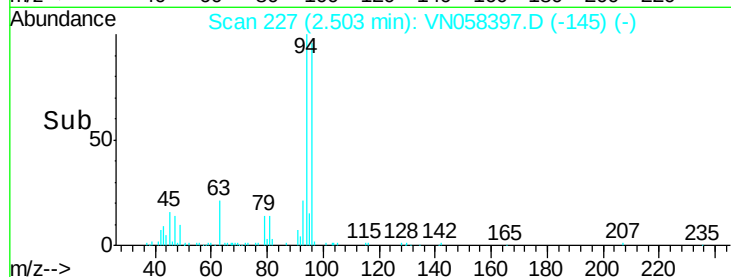
20000

10000

0

Time-->

2.40 2.45 2.50 2.55



#6

Chloroethane

Concen: 26.588 ug/l

RT: 2.61 min Scan# 260

Delta R.T. -0.07 min

Lab File: VN058397.D

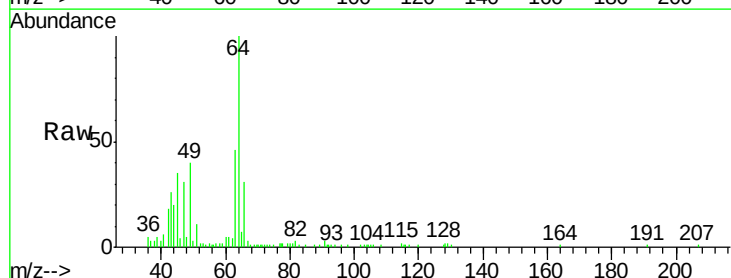
Acq: 26 Sep 2019 20:07

Tgt Ion: 64 Resp: 58528

Ion Ratio Lower Upper

64 100

66 31.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.61

25000

20000

15000

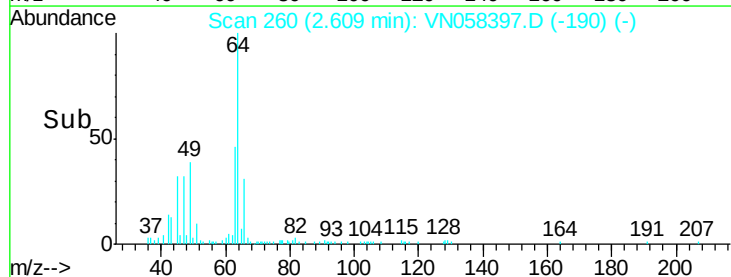
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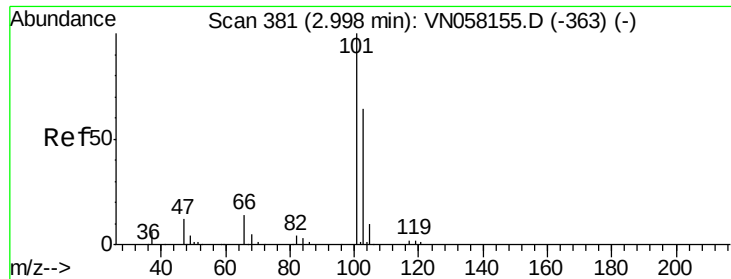
5000

0

Time-->

2.50 2.60 2.70 2.80





#7

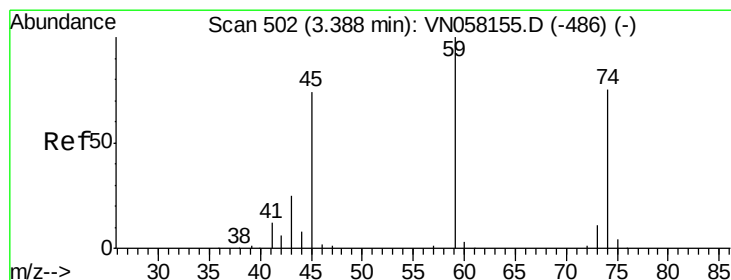
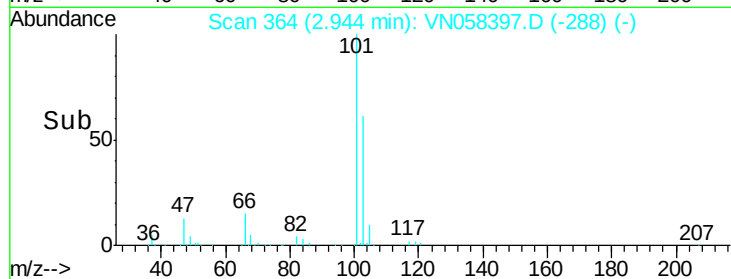
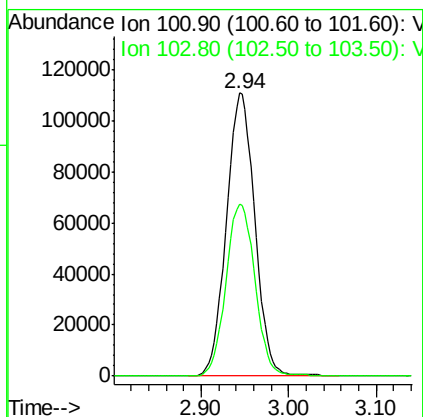
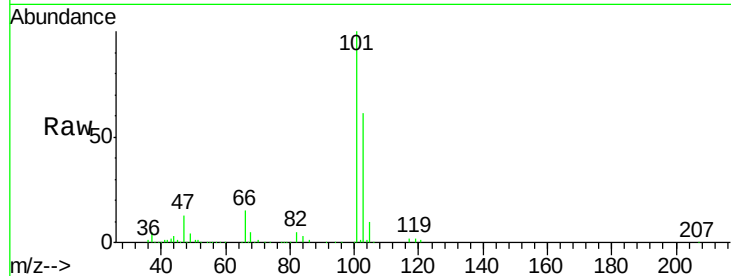
Trichlorofluoromethane
Concen: 46.385 ug/l
RT: 2.94 min Scan# 364
Delta R.T. -0.05 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.0	76.6

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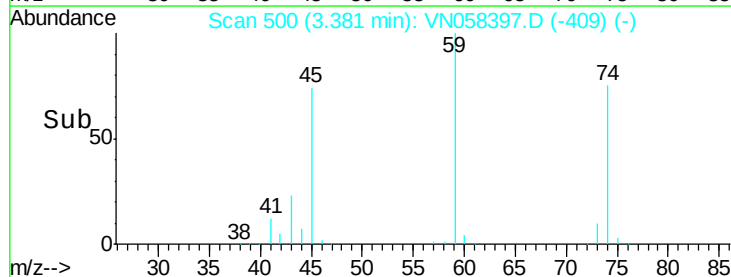
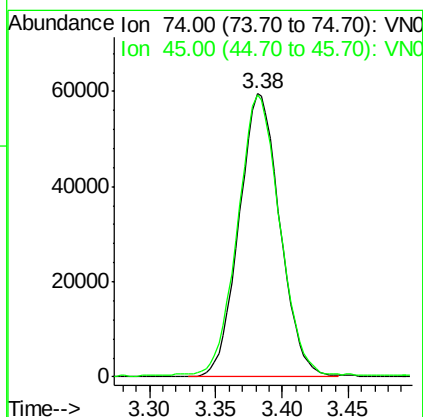
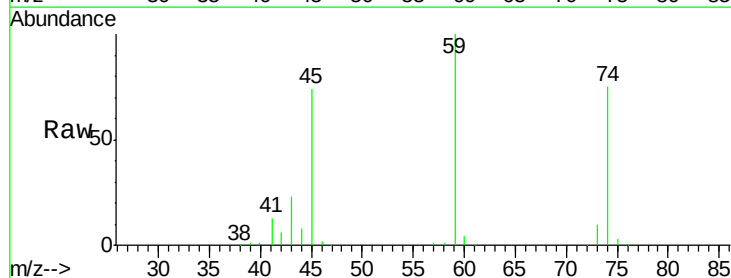
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9/27/2019 11:20:23 AM

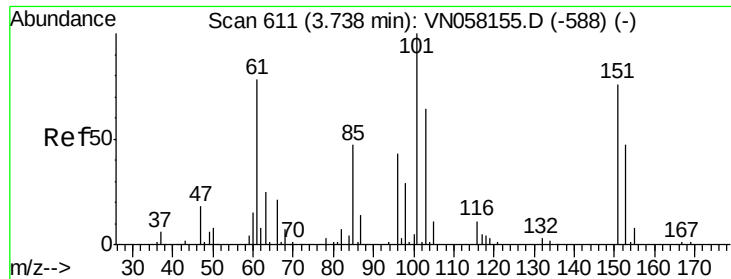


#8

Diethyl Ether
Concen: 51.418 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.836 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.03 min

Lab File: VN058397.D

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Instrument :

MSVOA_N

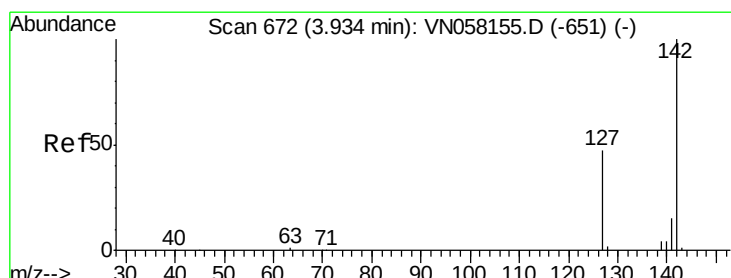
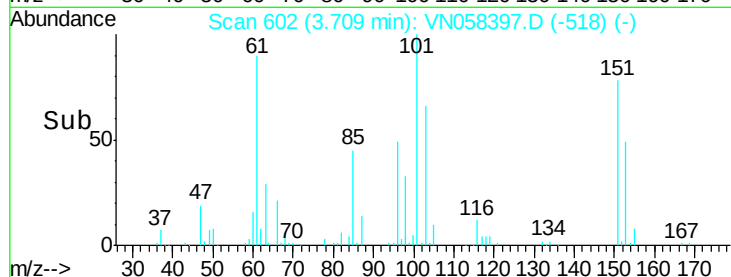
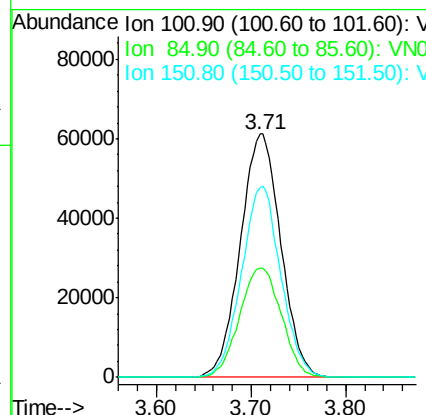
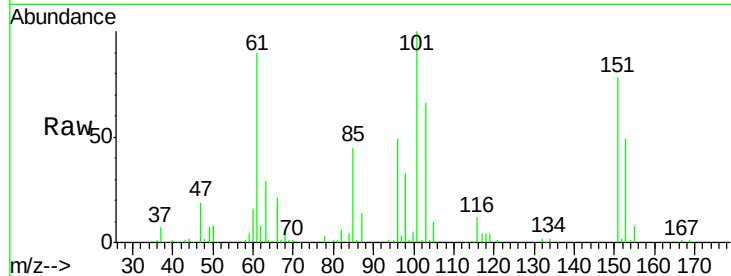
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	182293
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.3	55.9
151	75.9	59.6	89.4

Manual Integrations
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#10

Methyl Iodide

Concen: 40.952 ug/l

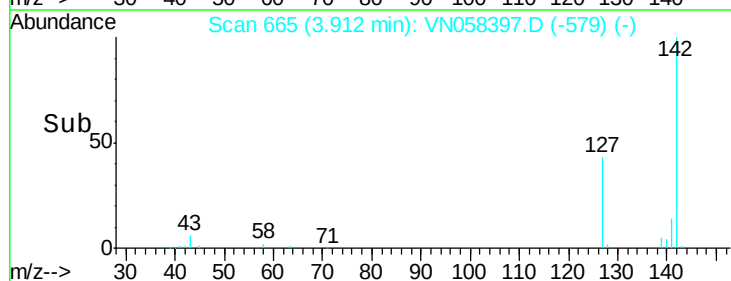
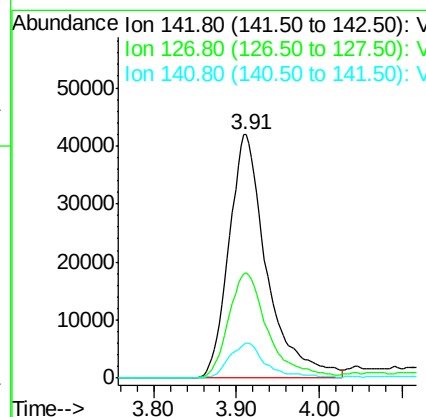
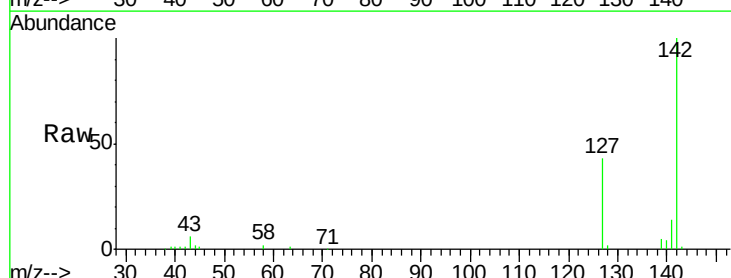
RT: 3.91 min Scan# 665

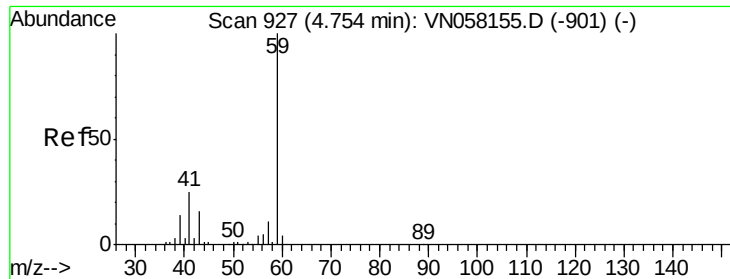
Delta R.T. -0.02 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	142	Resp:	133560
Ion Ratio	Lower	Upper	
142	100		
127	44.6	37.5	56.3
141	14.0	11.4	17.2





#11

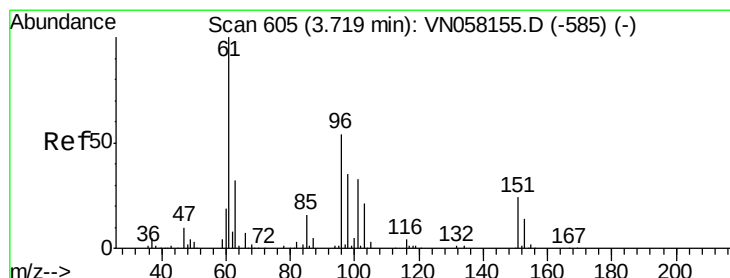
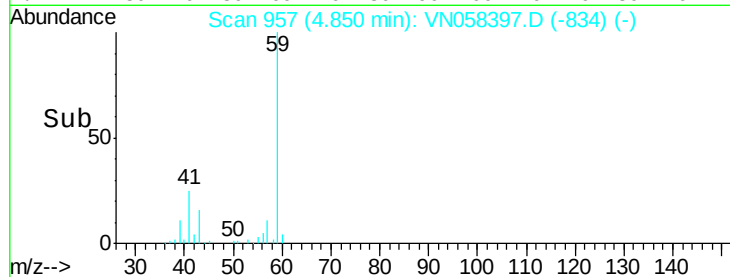
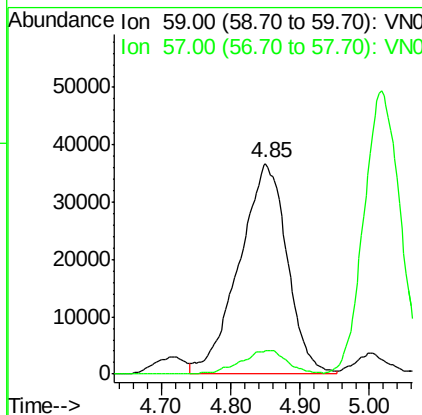
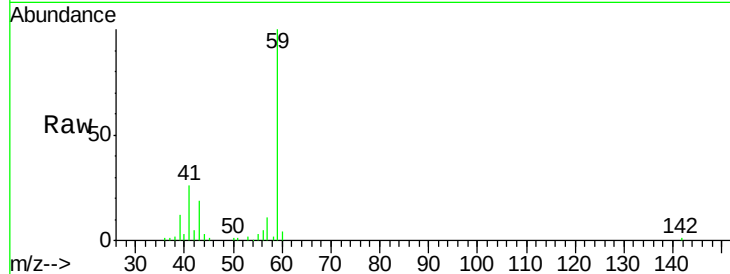
Tert butyl alcohol
Concen: 221.563 ug/l m
RT: 4.85 min Scan# 957
Delta R.T. 0.10 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	0.0	Resp	176731	Lower	Upper
59	100								
57		0.0						8.6	13.0#

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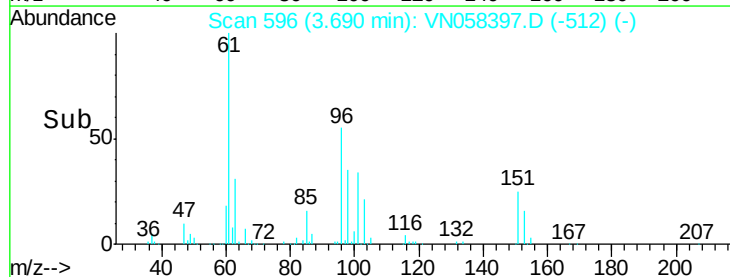
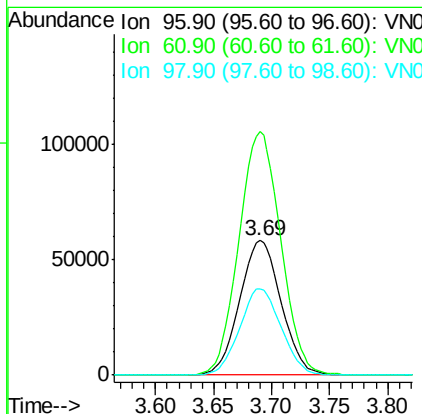
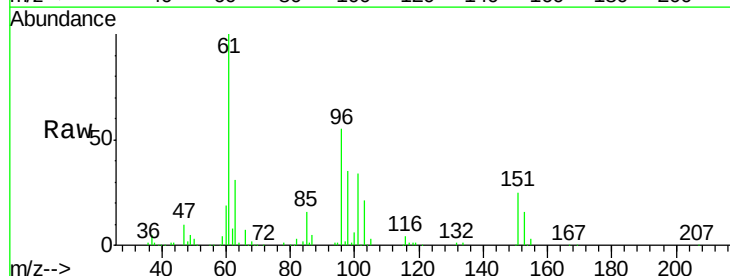
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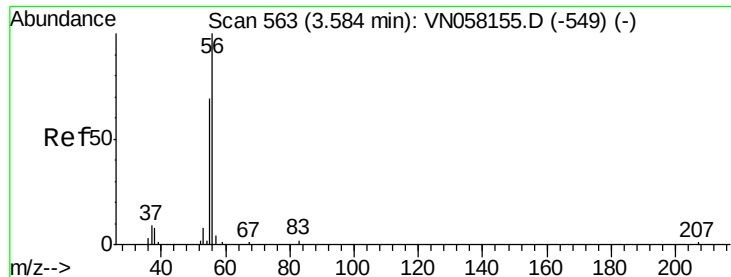


#12

1,1-Dichloroethene
Concen: 49.189 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.03 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	96	61	98	Ratio	100	181.1	64.2	Resp	145308	Lower	Upper
96	100										
61		181.1								149.5	224.3
98		64.2								52.4	78.6





#13

Acrolein

Concen: 193.479 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 22871

Ion Ratio Lower Upper

56 100

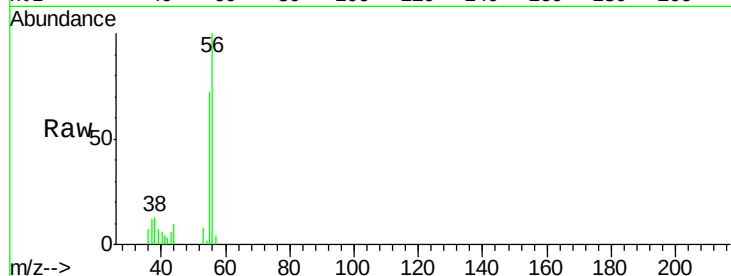
55 70.2 56.1 84.1

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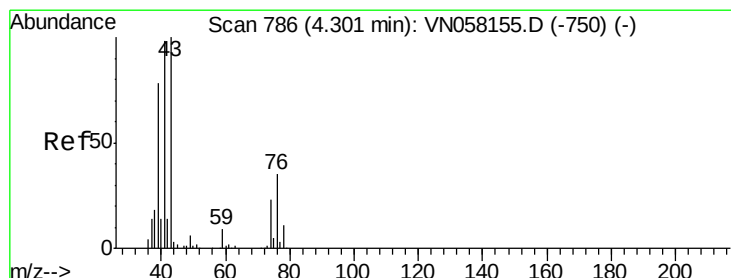
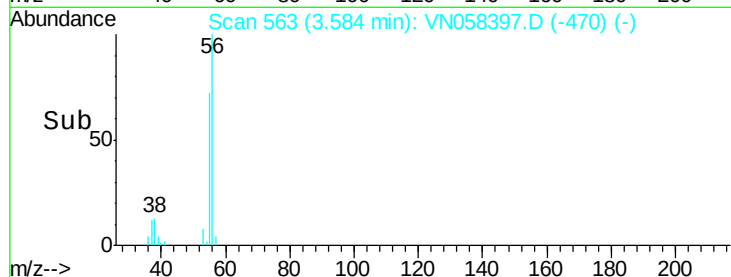
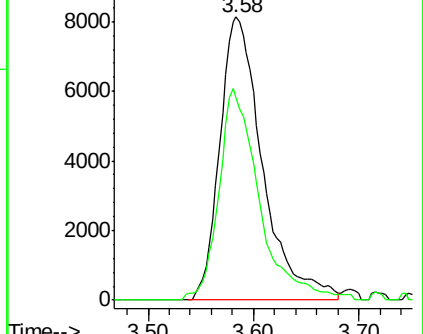
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.829 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.02 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

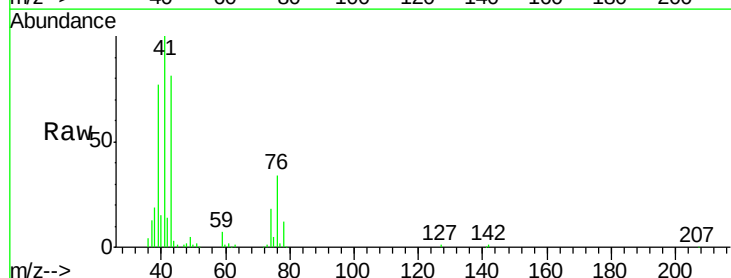
Tgt Ion: 41 Resp: 304615

Ion Ratio Lower Upper

41 100

39 74.5 59.1 88.7

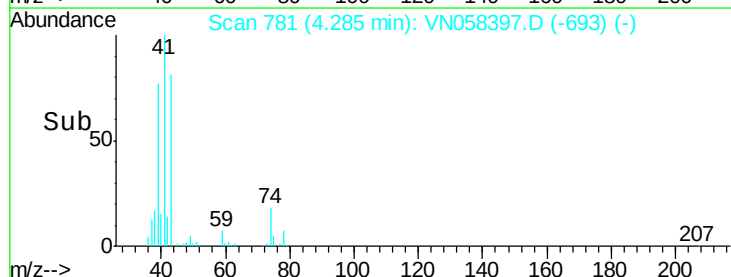
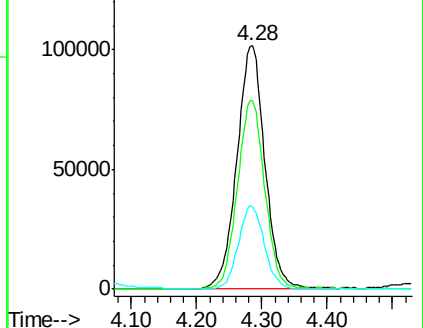
76 31.3 25.1 37.7

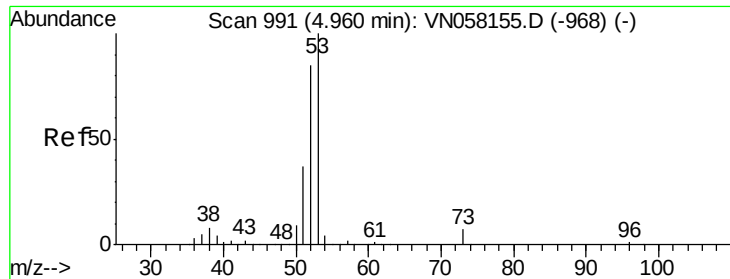


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 271.405 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

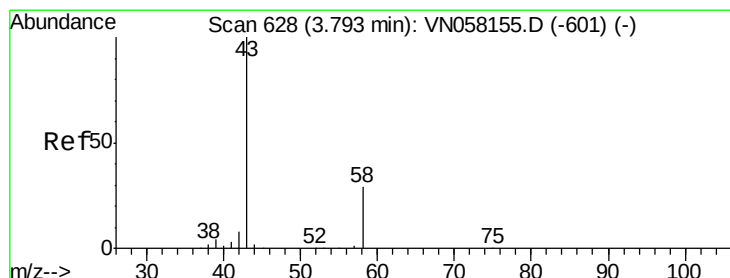
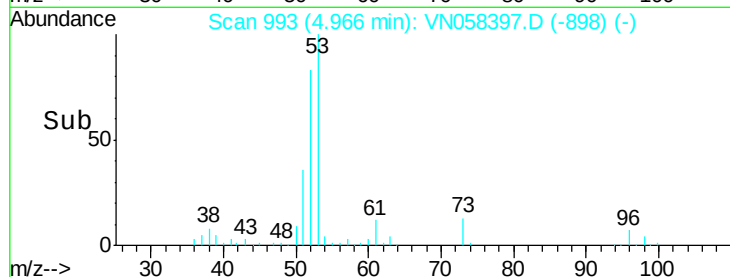
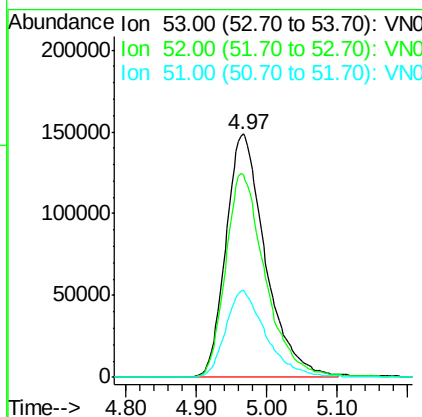
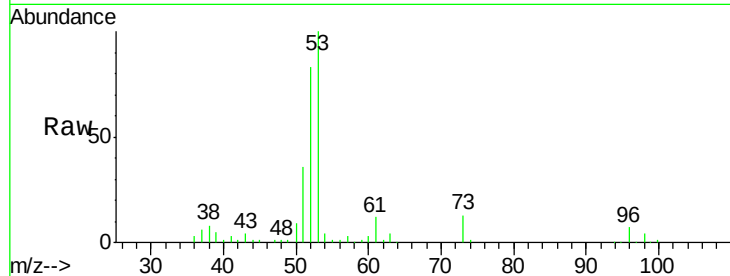
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	576784
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.6	100.0
51	36.5	29.7	44.5

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#16

Acetone

Concen: 210.737 ug/l

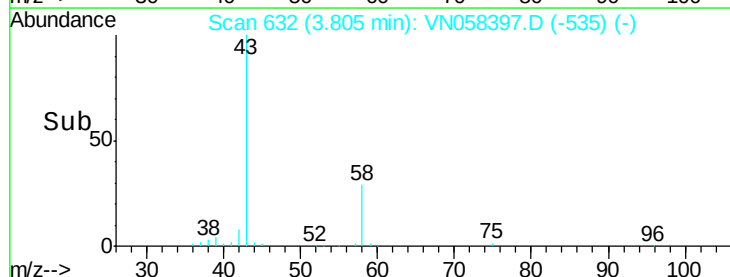
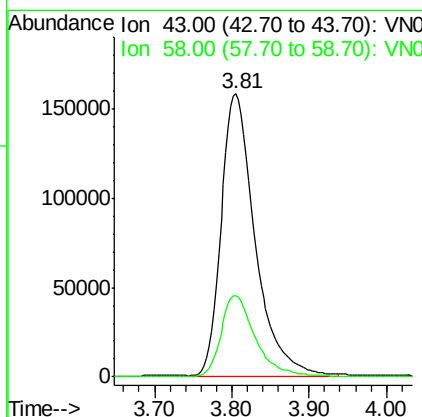
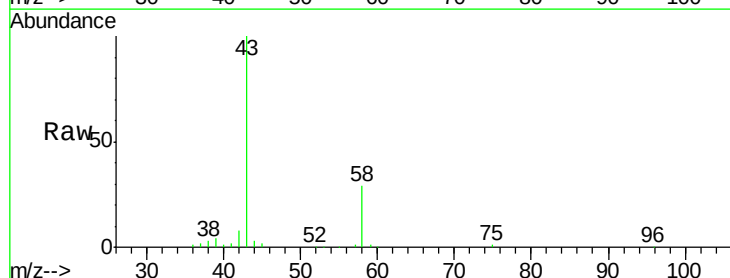
RT: 3.81 min Scan# 632

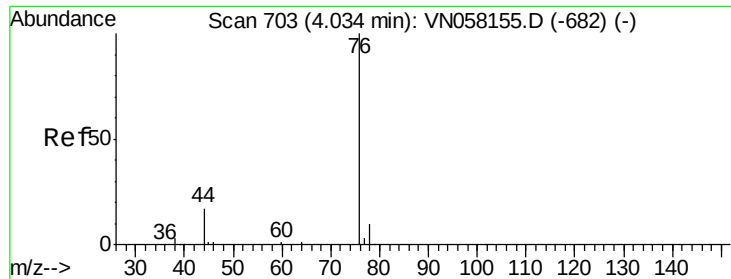
Delta R.T. 0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	43	Resp:	479674
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.2





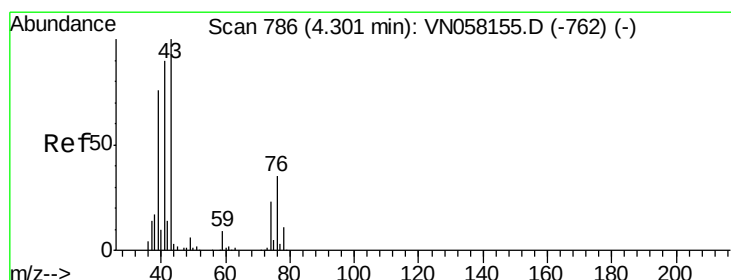
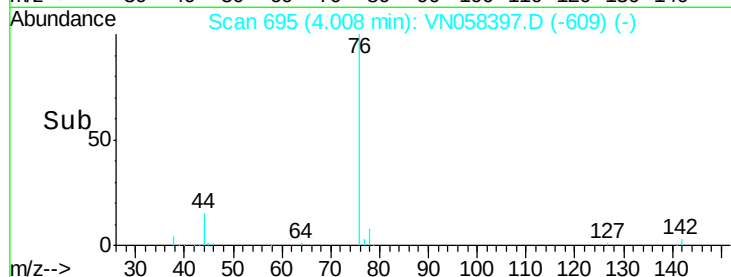
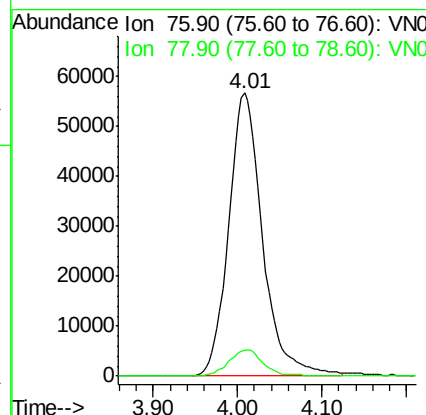
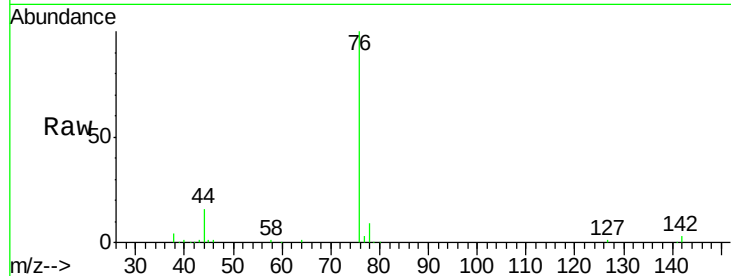
#17
Carbon Disulfide
Concen: 38.147 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.03 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

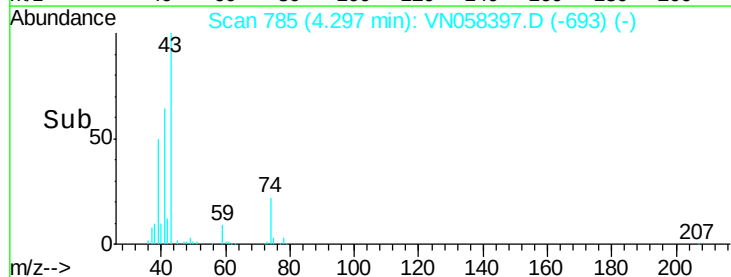
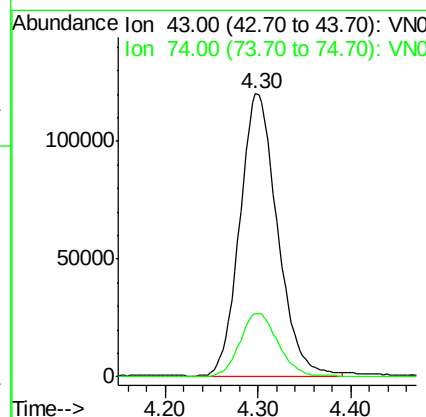
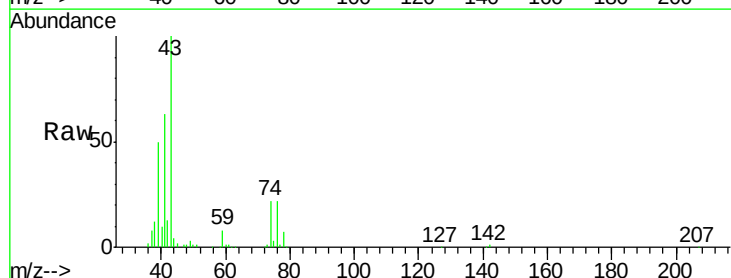
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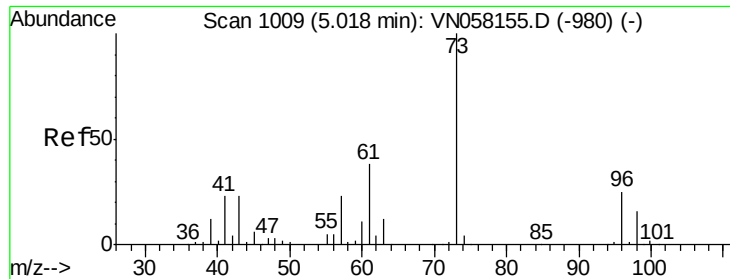
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#18
Methyl Acetate
Concen: 56.442 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.0	27.0





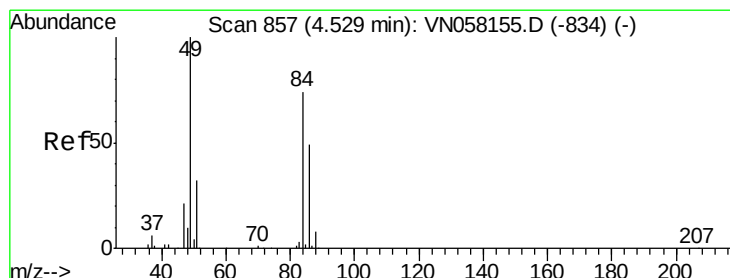
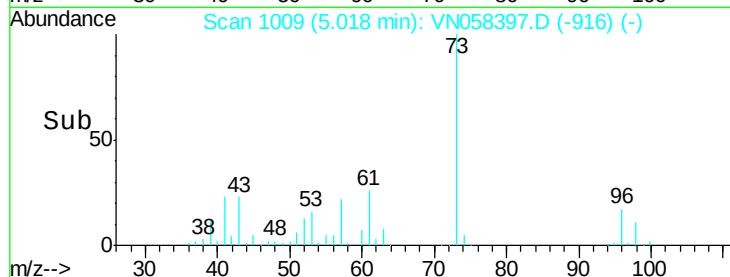
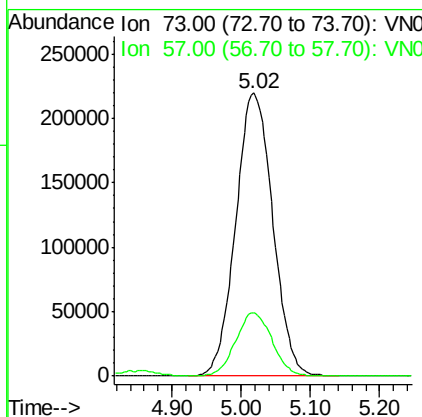
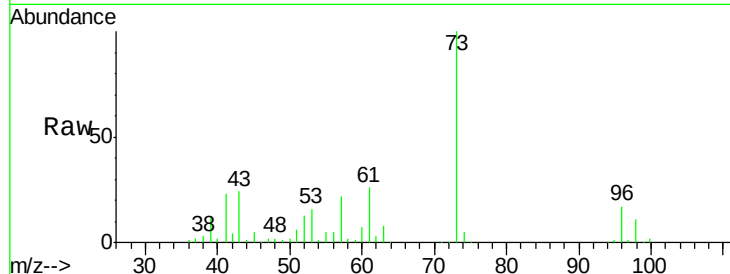
#19
Methvl tert-butvl Ether
Concen: 55.658 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 817067
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1

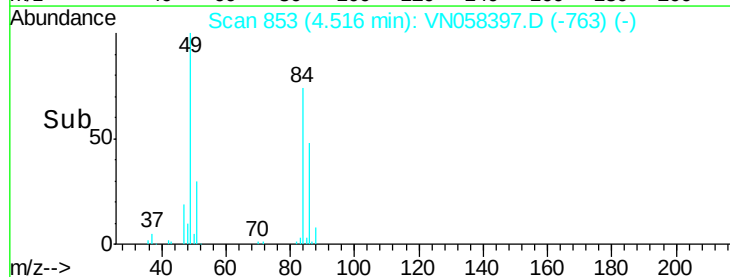
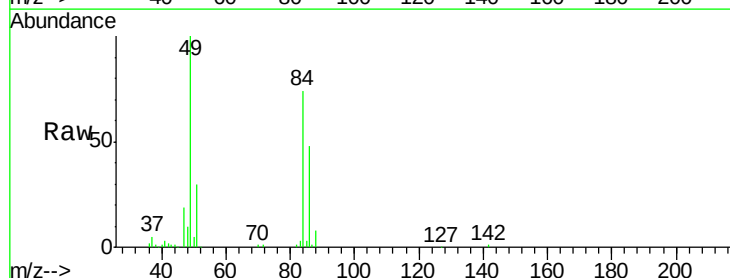
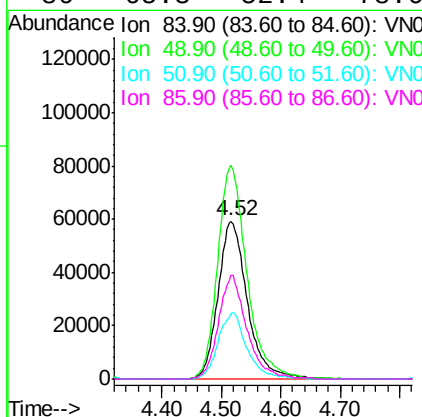
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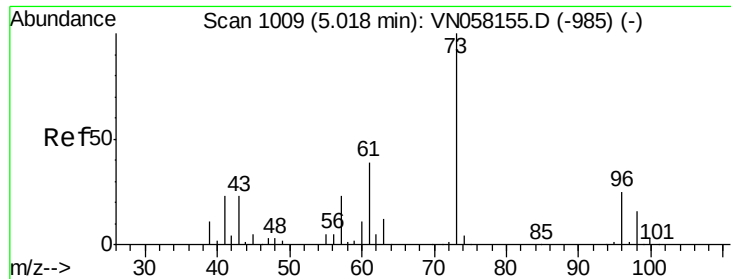
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#20
Methylene Chloride
Concen: 50.808 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 84 Resp: 202460
Ion Ratio Lower Upper
84 100
49 134.9 107.5 161.3
51 41.0 33.9 50.9
86 65.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 49.157 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

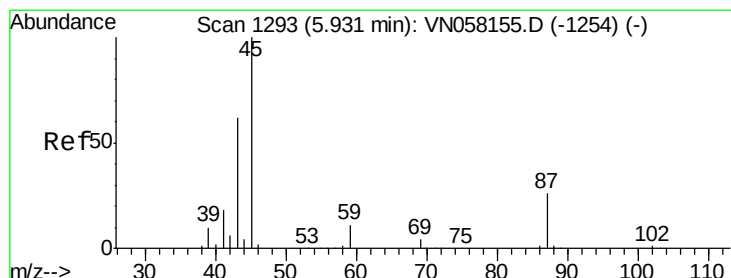
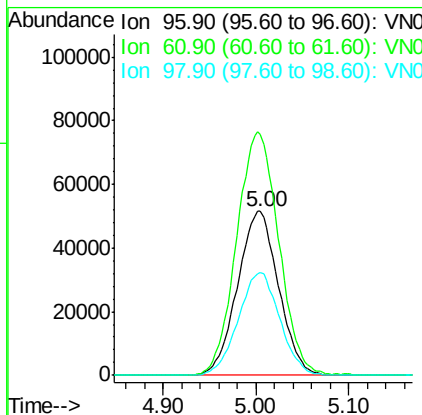
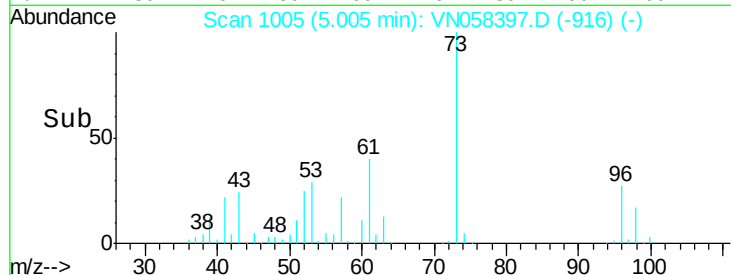
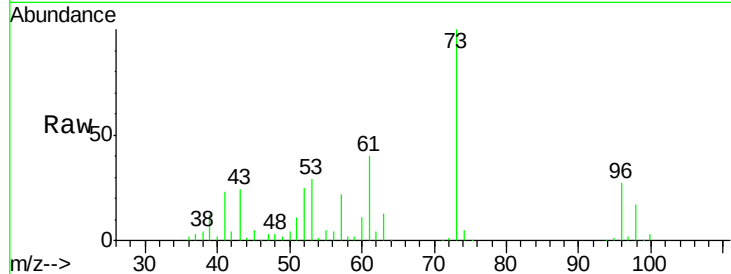
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	158239
Ion	Ratio	Lower	Upper
96	100		
61	146.2	122.2	183.4
98	62.8	49.9	74.9

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9/27/2019 11:20:23 AM



#22

Diisopropyl ether

Concen: 53.258 ug/l

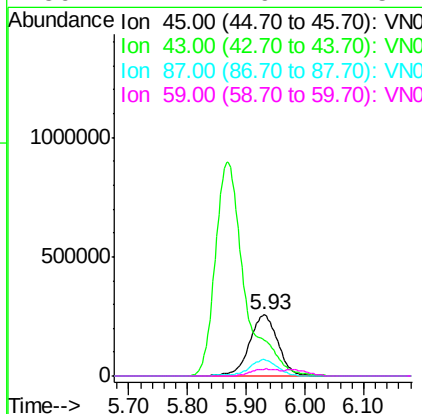
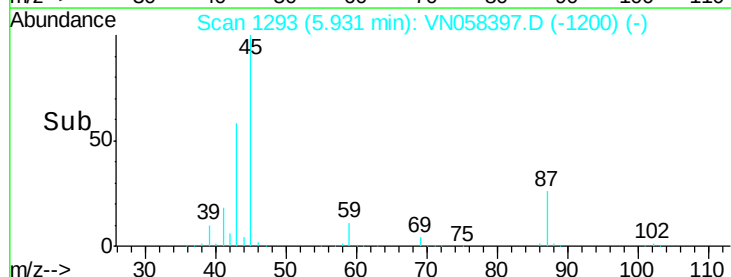
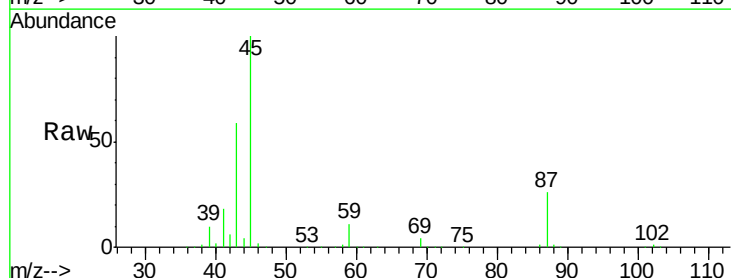
RT: 5.93 min Scan# 1293

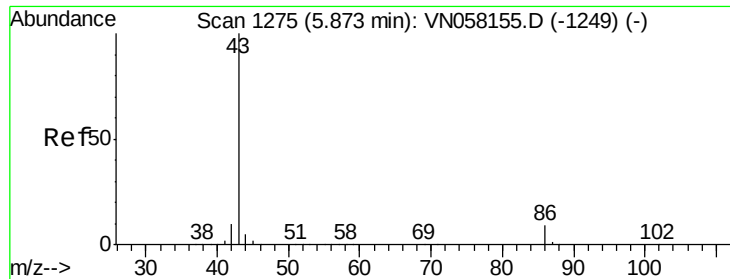
Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	45	Resp:	861623
Ion	Ratio	Lower	Upper
45	100		
43	58.0	49.7	74.5
87	26.3	20.7	31.1
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 280.219 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 3102050

Ion Ratio Lower Upper

43 100

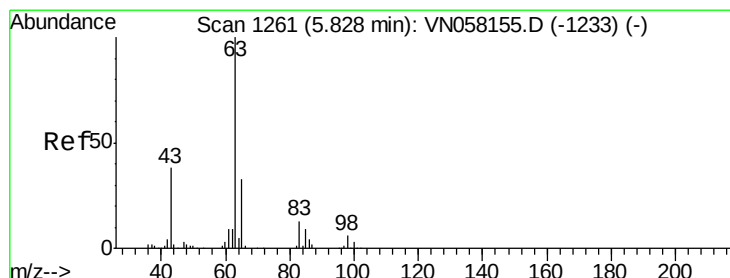
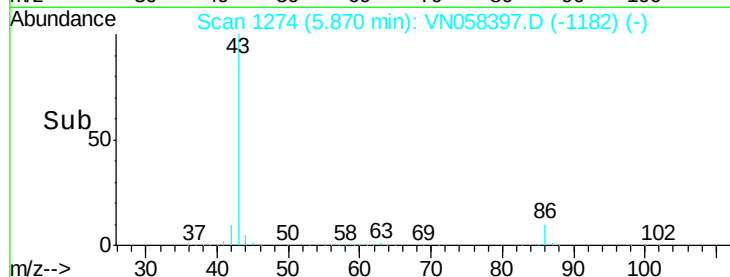
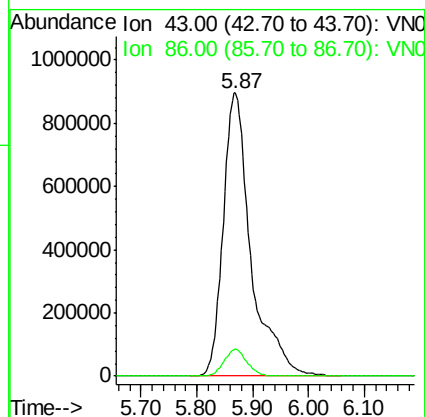
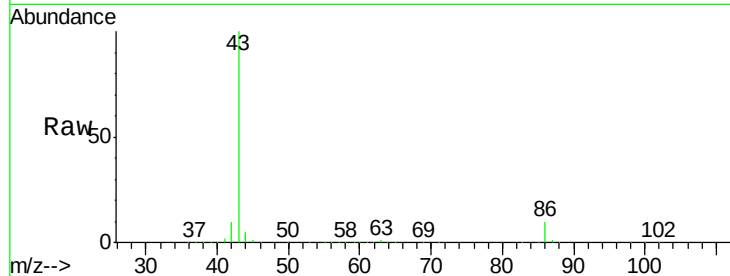
86 9.5 7.4 11.2

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9/27/2019 11:20:23 AM



#24

1,1-Dichloroethane

Concen: 50.094 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

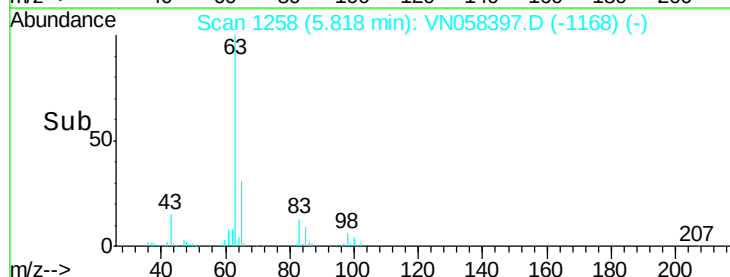
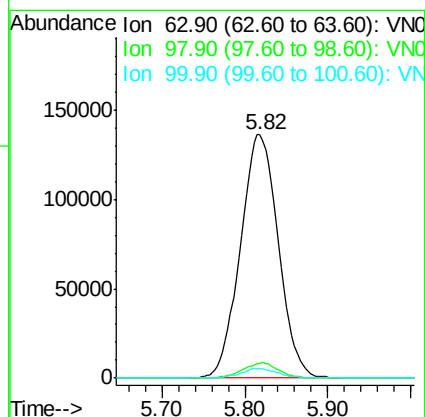
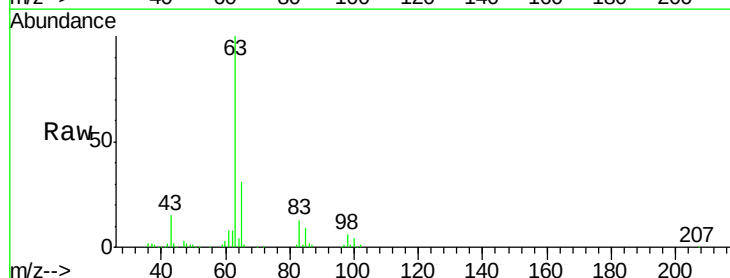
Tgt Ion: 63 Resp: 432546

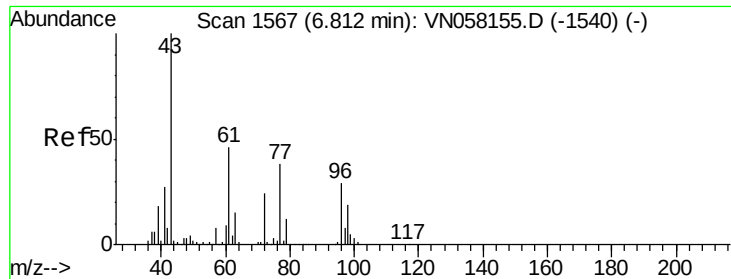
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.9 1.8 5.3





#25

2-Butanone

Concen: 249.894 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 774923

Ion Ratio Lower Upper

43 100

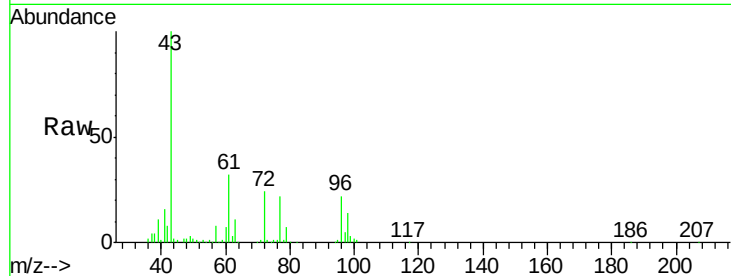
72 24.5 19.5 29.3

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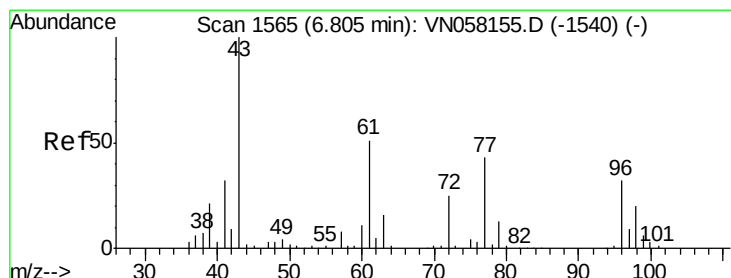
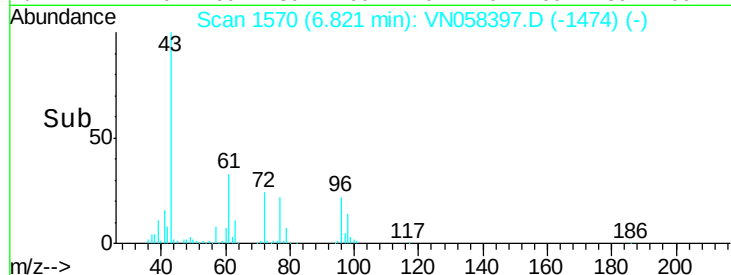
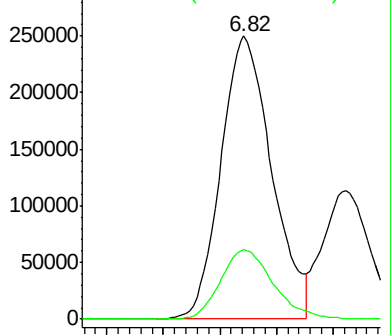
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 44.616 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058397.D

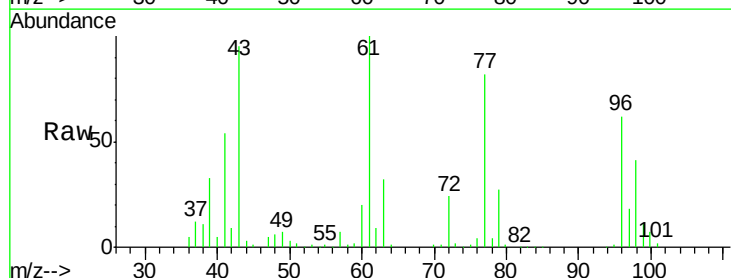
Acq: 26 Sep 2019 20:07

Tgt Ion: 77 Resp: 326828

Ion Ratio Lower Upper

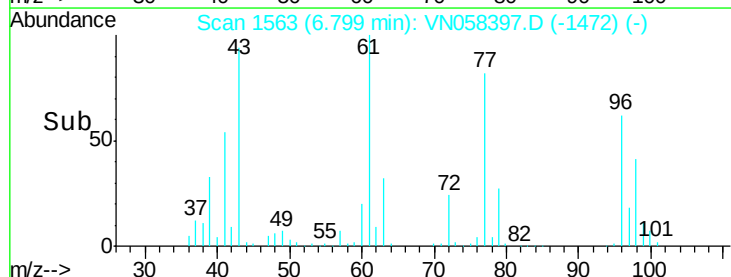
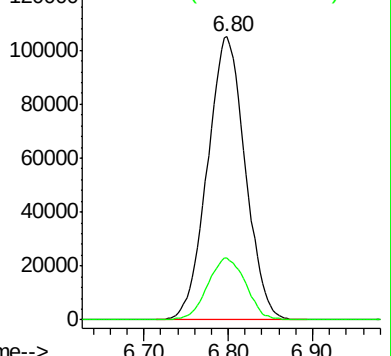
77 100

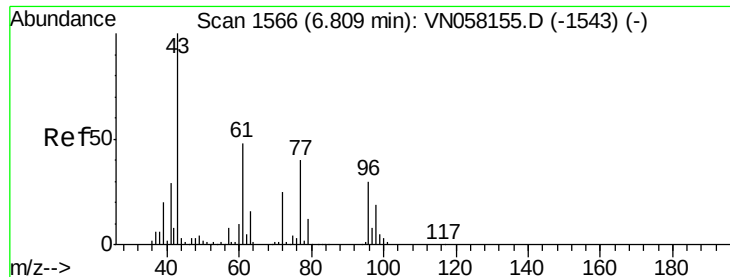
97 22.0 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.683 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

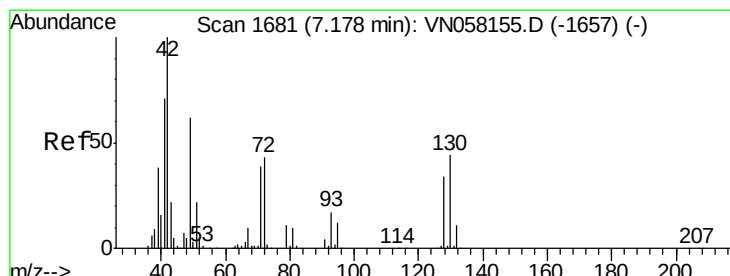
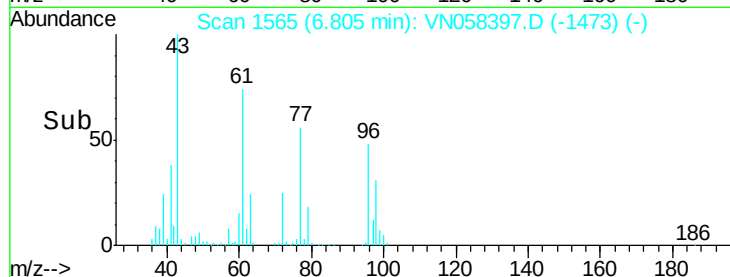
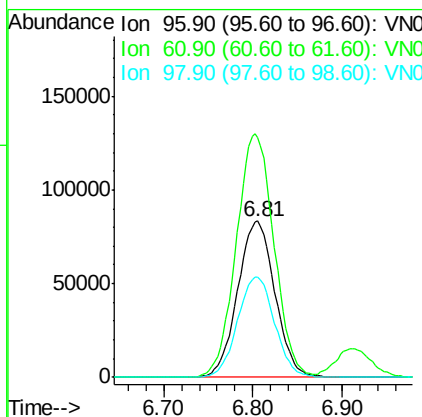
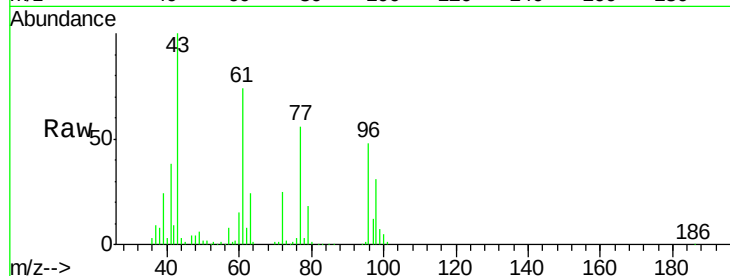
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	242568
Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	319.0
98	63.8	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.196 ug/l

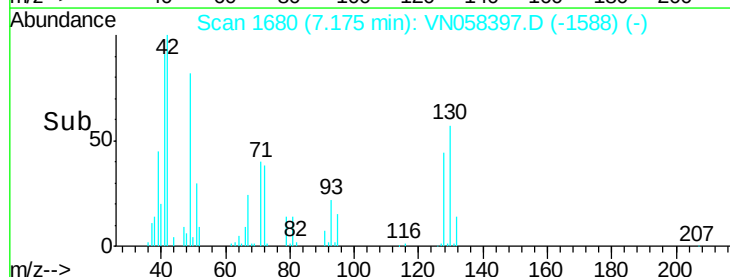
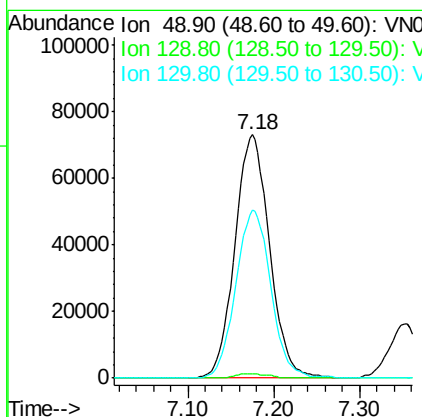
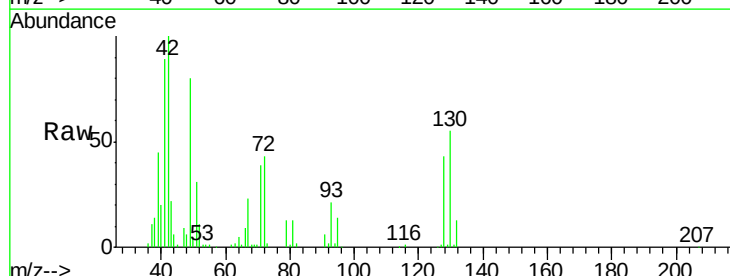
RT: 7.18 min Scan# 1680

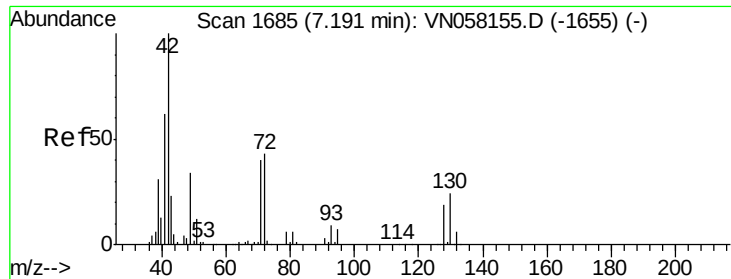
Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	49	Resp:	205036
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.8
130	69.7	55.4	83.2





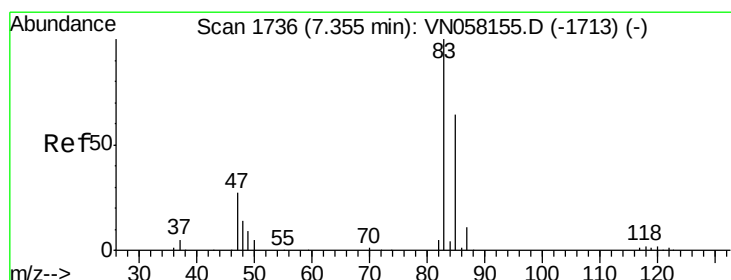
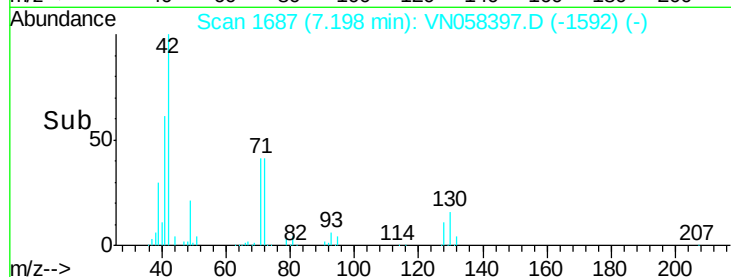
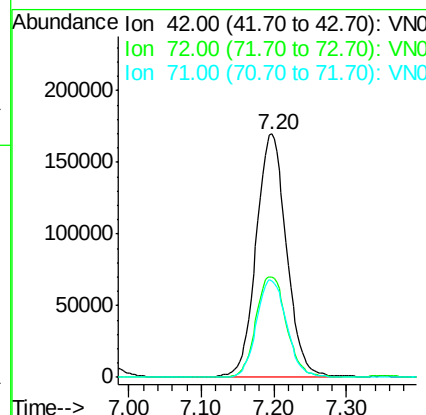
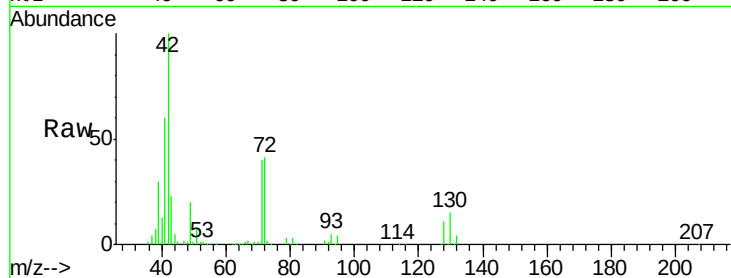
#29
Tetrahydrofuran
Concen: 258.128 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.8	50.6
71	40.0	31.4	47.0

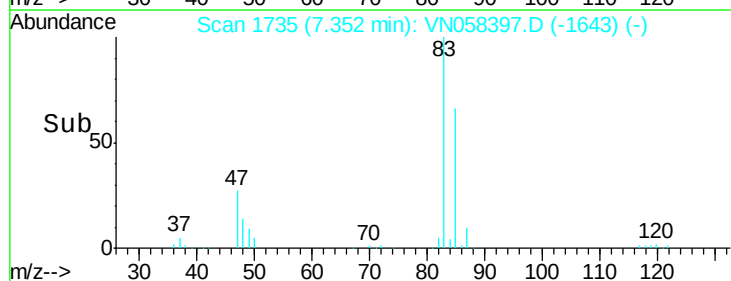
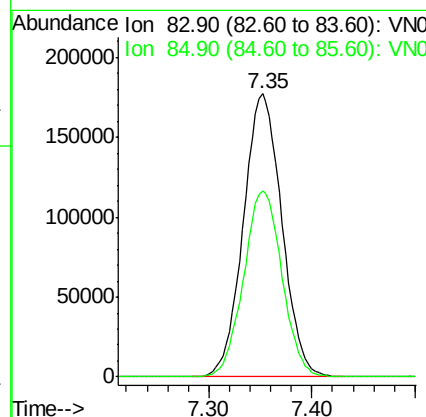
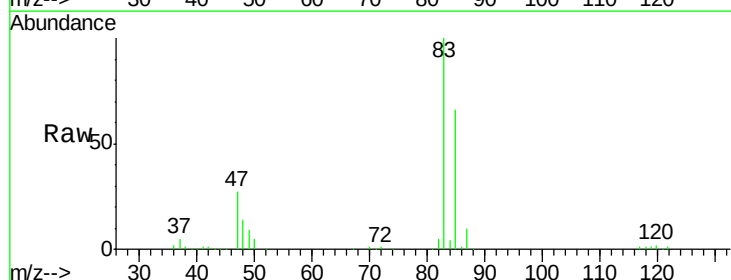
Manual Integrations
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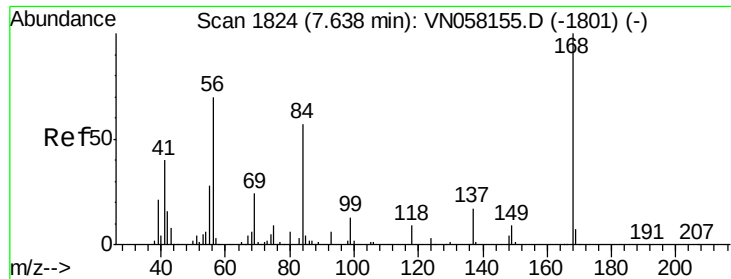
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#30
Chloroform
Concen: 49.387 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2





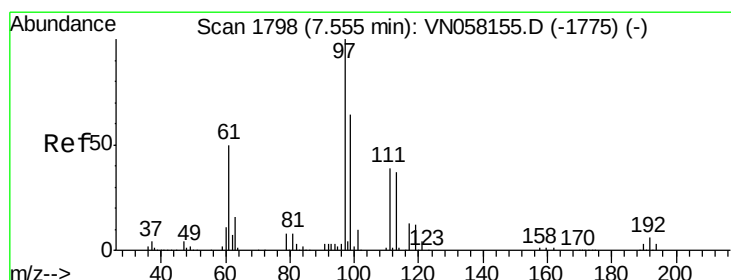
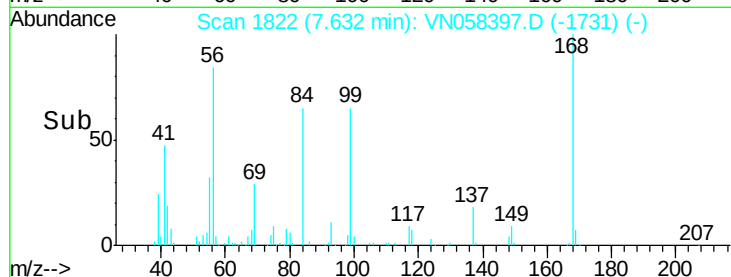
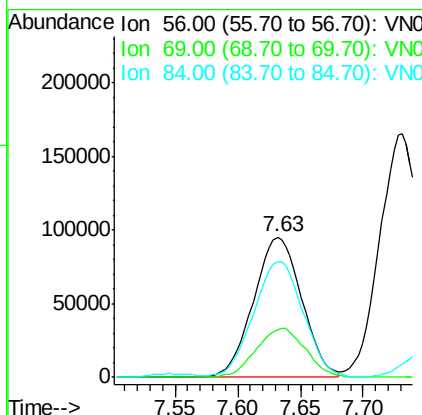
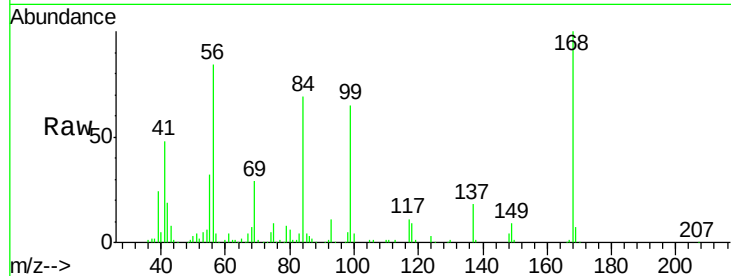
#31
Cyclohexane
Concen: 45.379 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.3	40.9
84	80.9	65.0	97.4

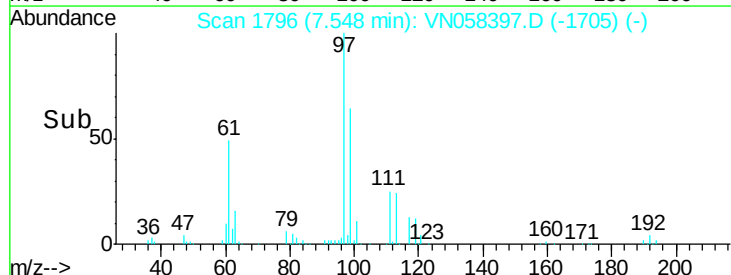
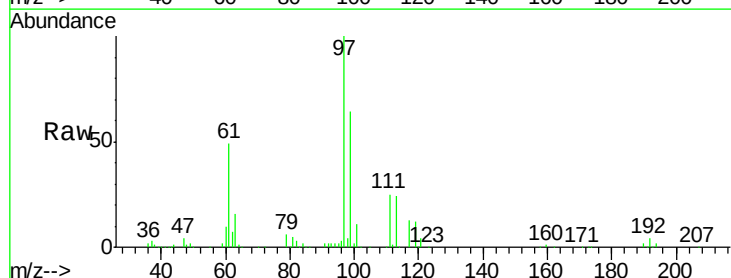
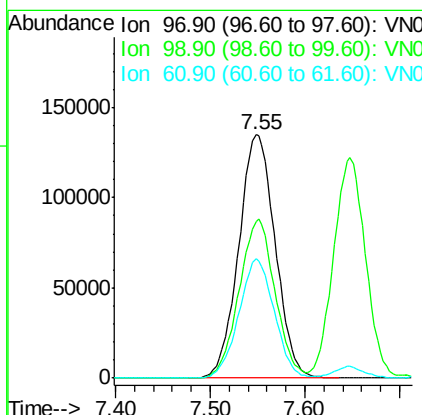
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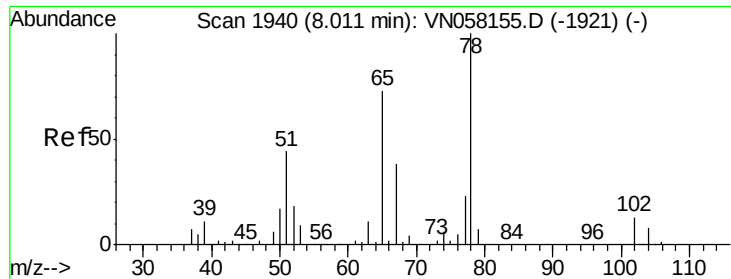
MMDadoda
9/27/2019 11:20:23 AM



#32
1,1,1-Trichloroethane
Concen: 51.031 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.9	76.3
61	47.6	39.2	58.8





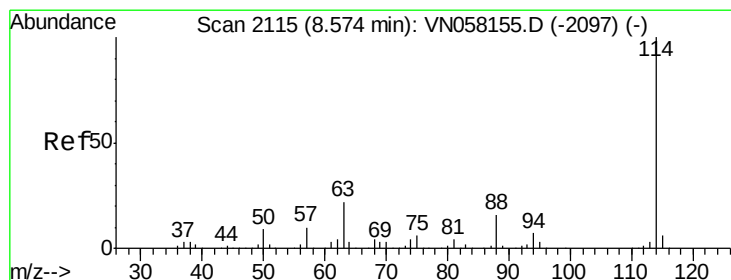
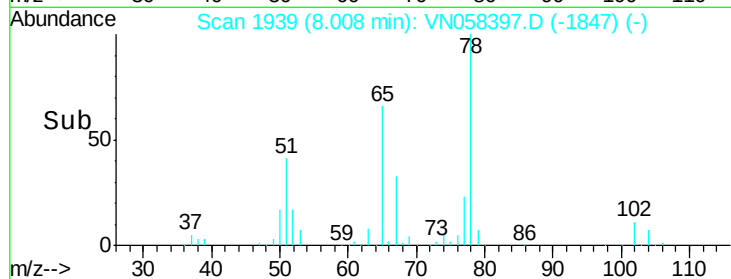
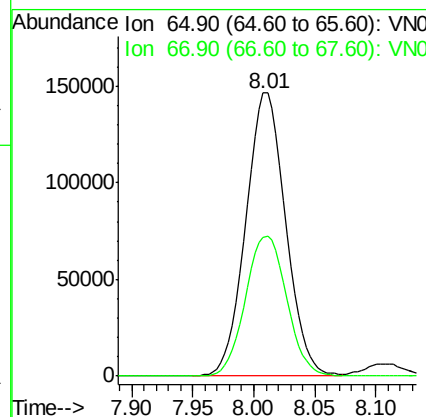
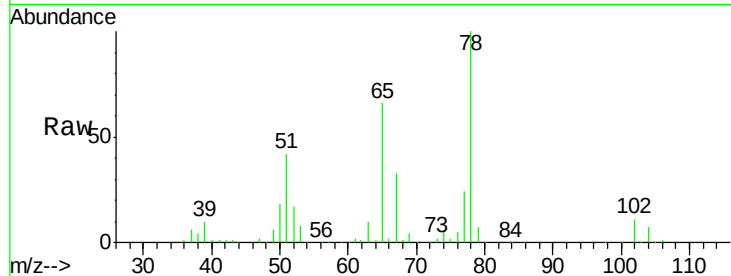
#33
 1,2-Dichloroethane-d4
 Concen: 49.400 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	103.4	

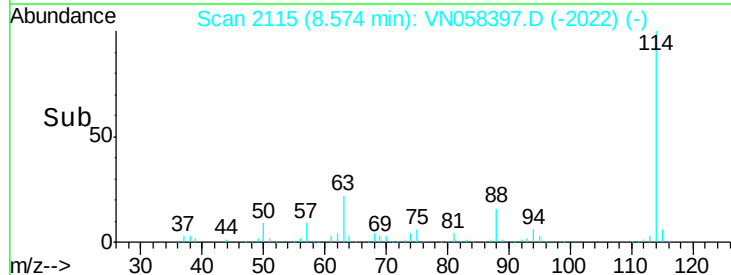
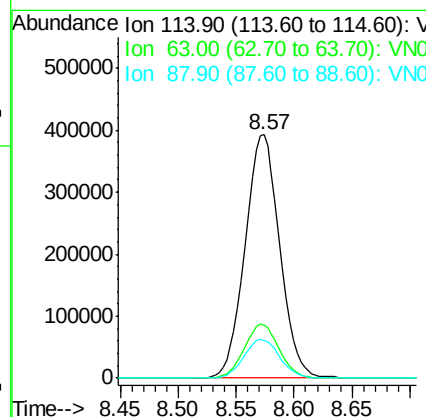
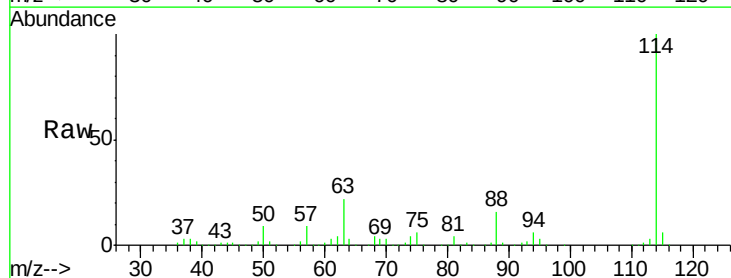
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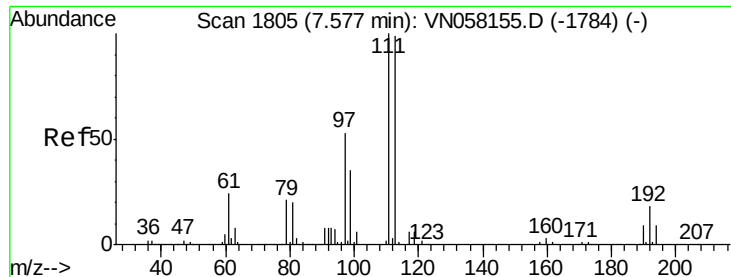
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	44.2	
88	15.7	0.0	31.6	





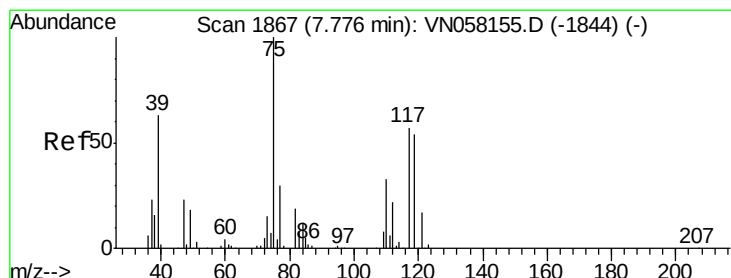
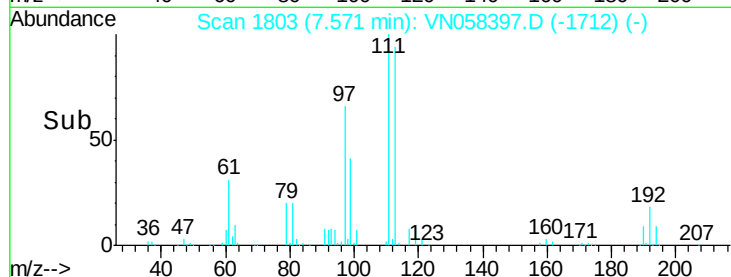
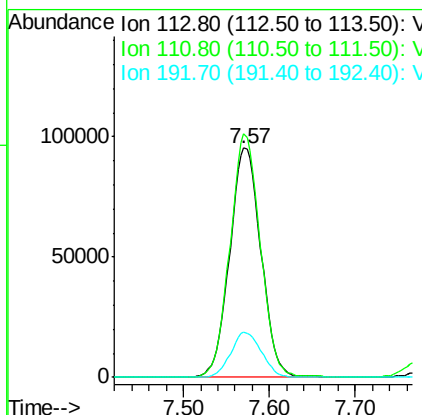
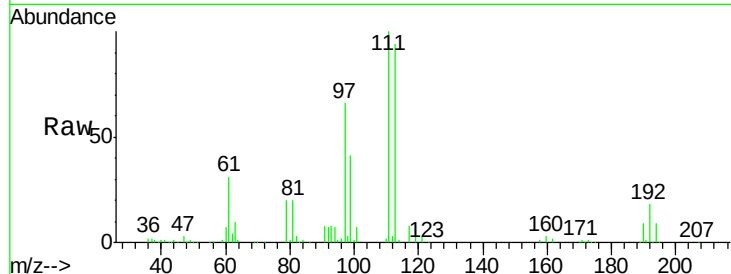
#35
Dibromofluoromethane
Concen: 48.435 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	240823		
111	102.5	81.8	122.6	
192	19.2	14.5	21.7	

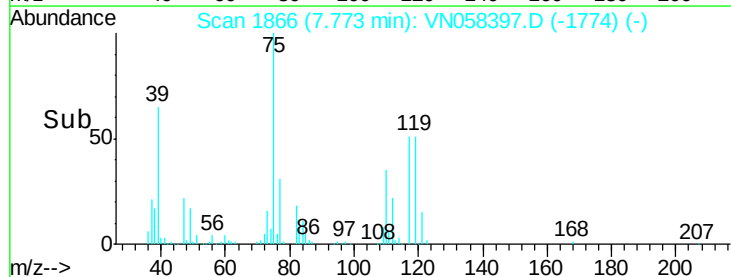
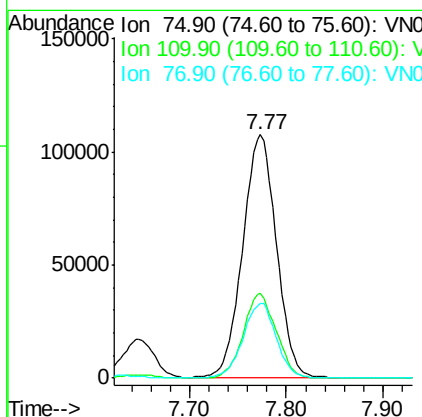
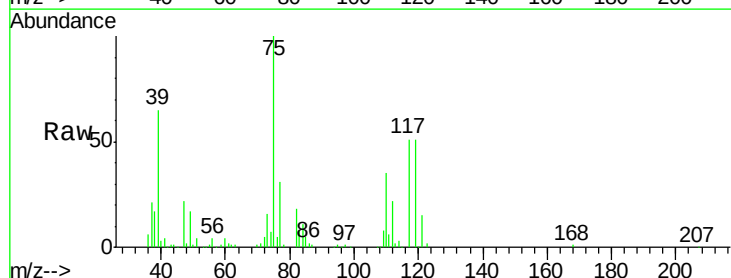
Manual Integrations
APPROVED

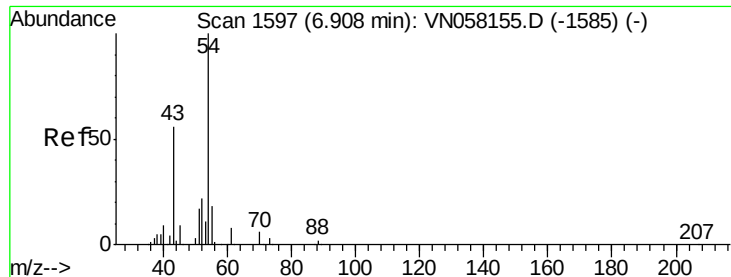
MMDadoda
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#36
1,1-Dichloropropene
Concen: 44.066 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	259909		
110	34.0	16.6	49.7	
77	30.5	24.3	36.5	





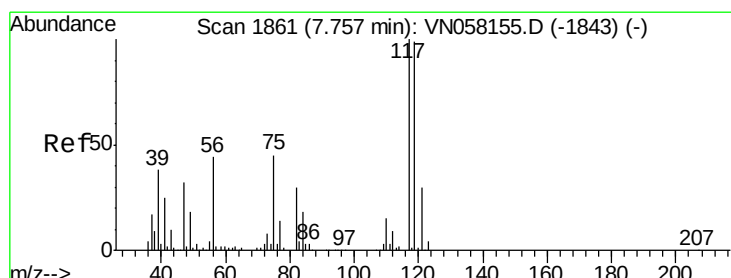
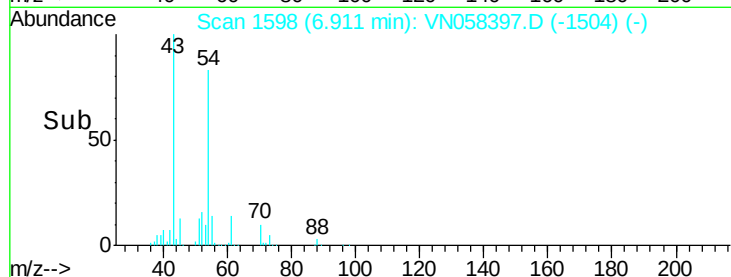
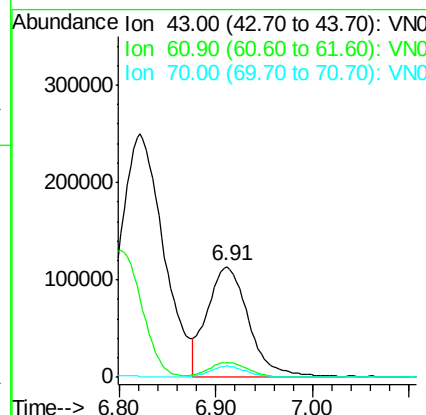
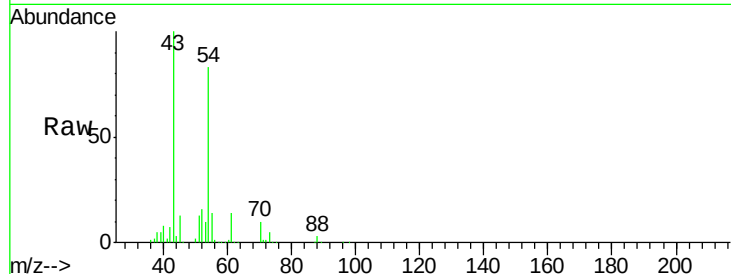
#37
Ethyl Acetate
Concen: 54.573 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.4	7.6	11.4

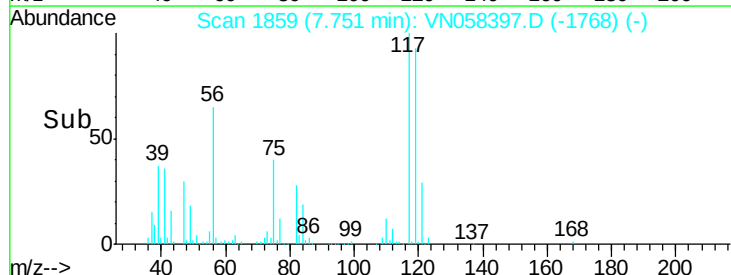
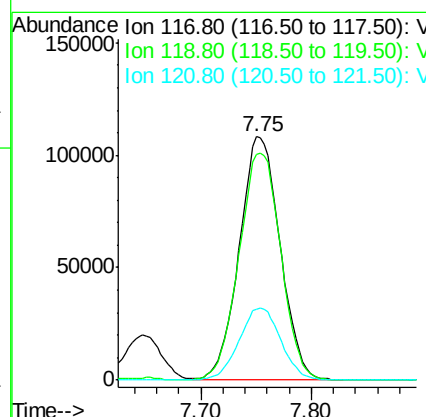
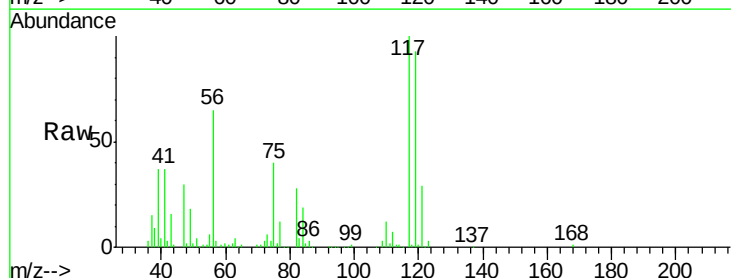
Manual Integrations
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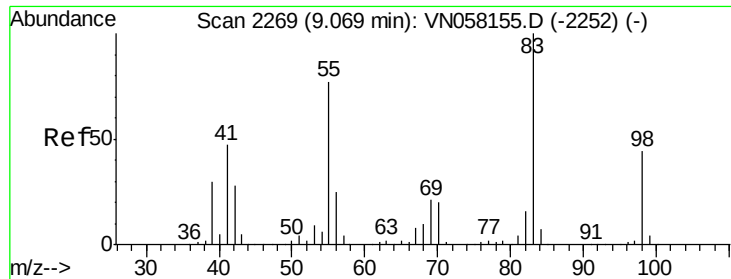
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#38
Carbon Tetrachloride
Concen: 46.625 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.6	117.8
121	29.4	24.1	36.1





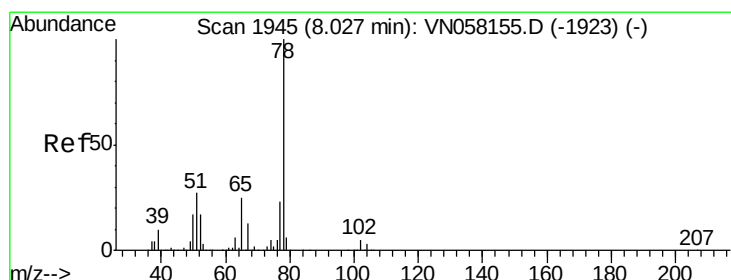
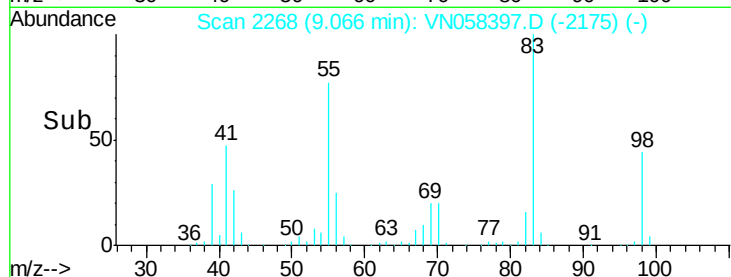
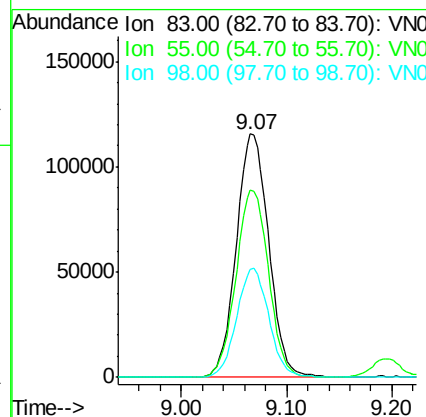
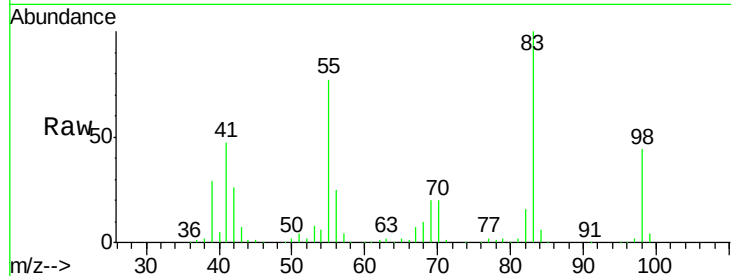
#39
Methylvlcyclohexane
Concen: 43.267 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	246686		
55	76.8	61.9	92.9	
98	44.4	35.4	53.2	

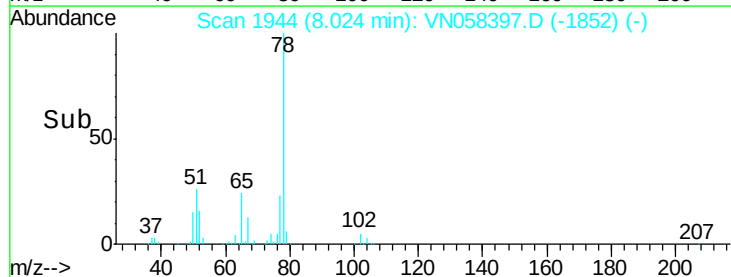
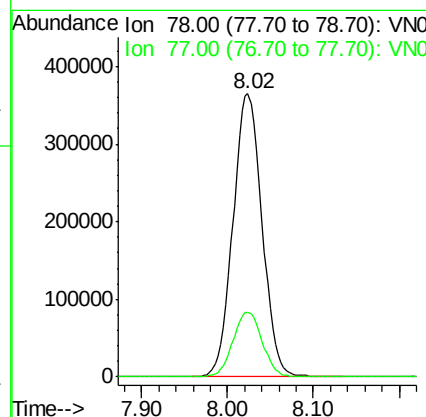
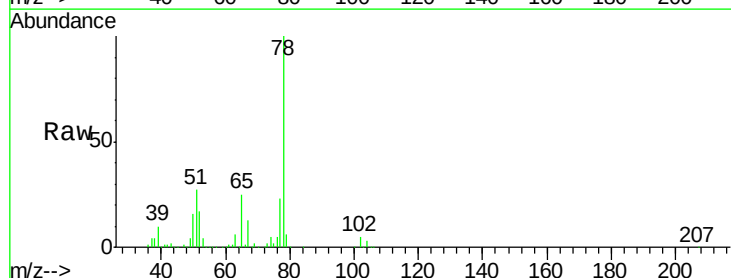
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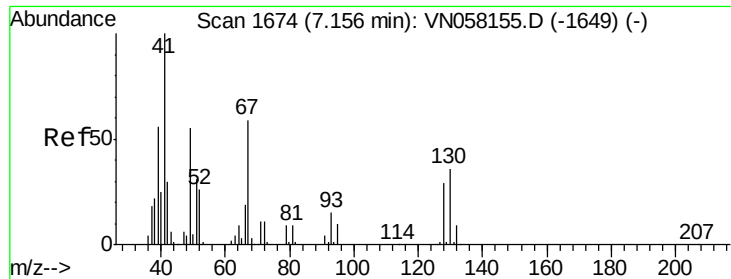
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#40
Benzene
Concen: 47.435 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	854543		
77	23.0	18.8	28.2	





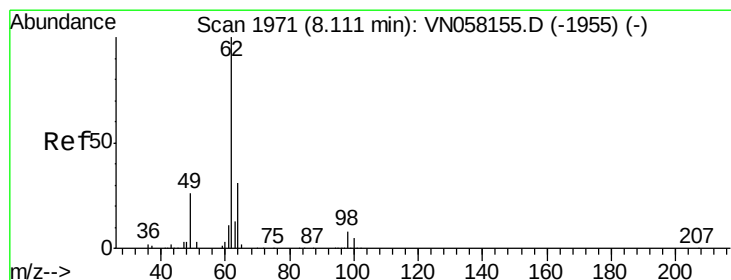
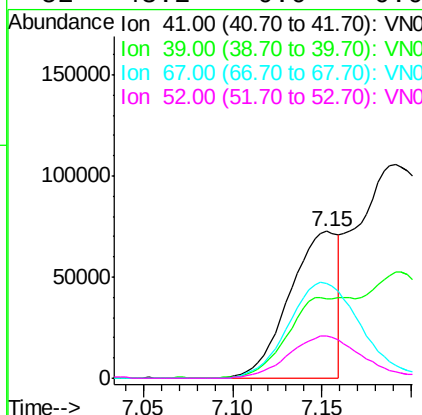
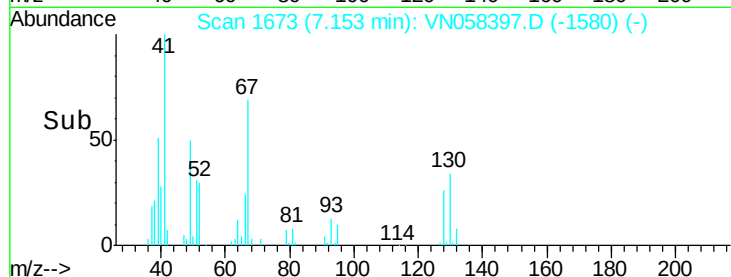
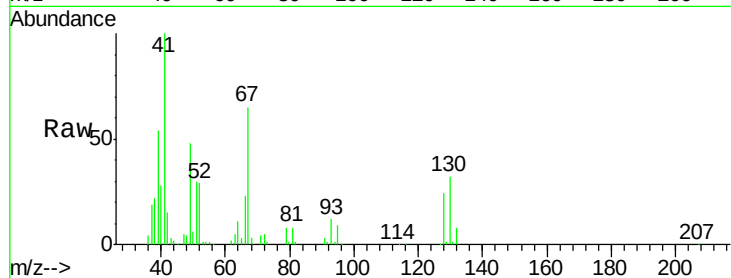
#41
Methacrylonitrile
Concen: 44.640 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.6	0.0	0.0#	
67	98.3	0.0	0.0#	
52	43.2	0.0	0.0#	

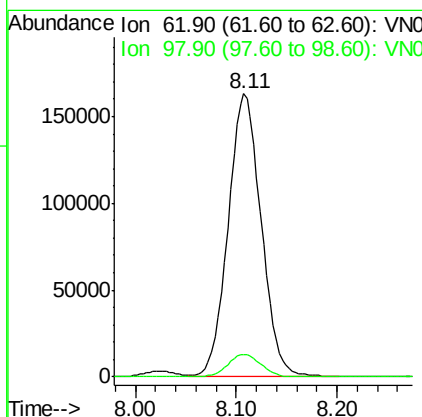
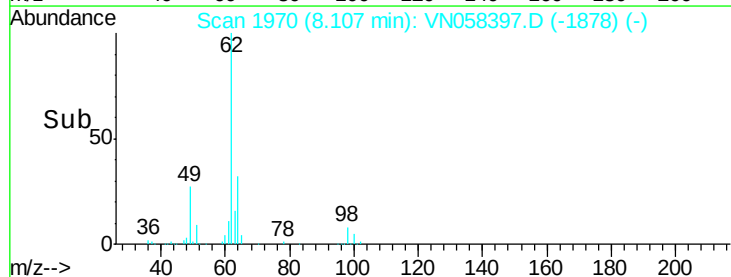
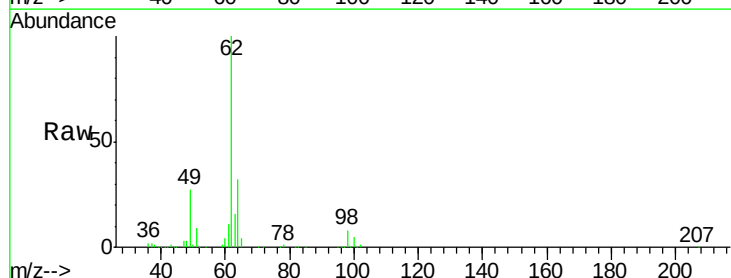
Manual Integrations
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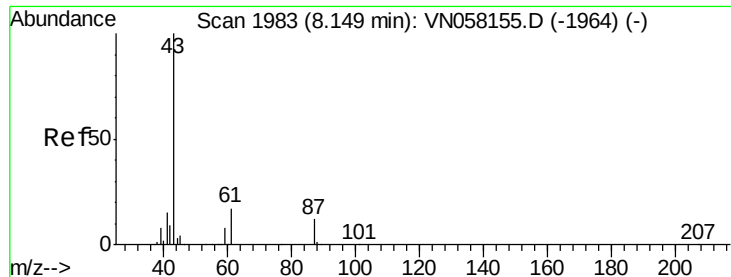
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.003 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.6	





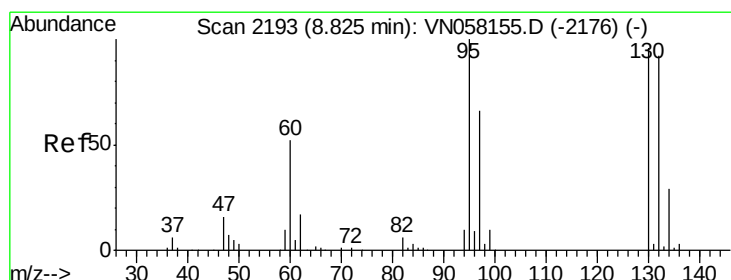
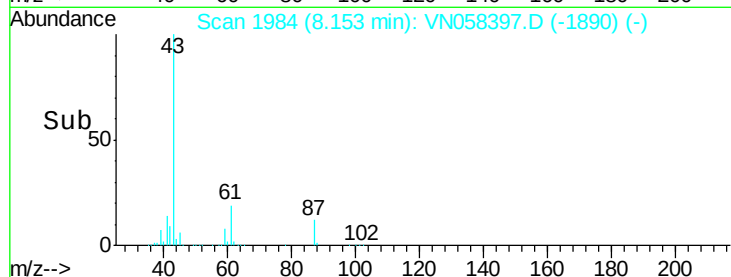
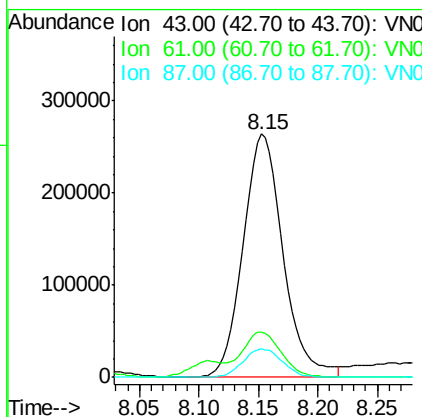
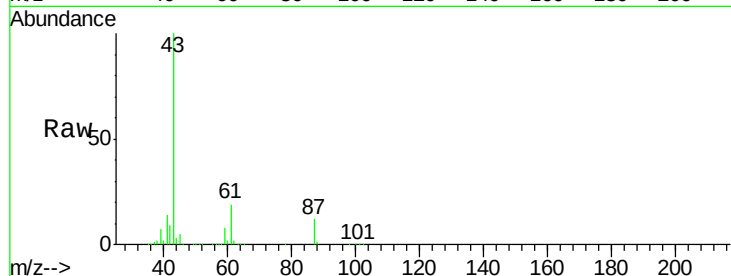
#43
Isopropyl Acetate
Concen: 53.638 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	19.7	29.5#
87	11.6	9.4	14.2

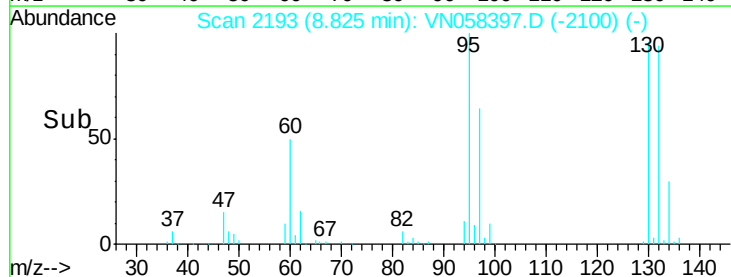
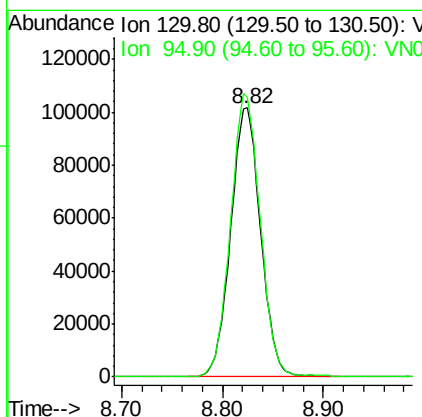
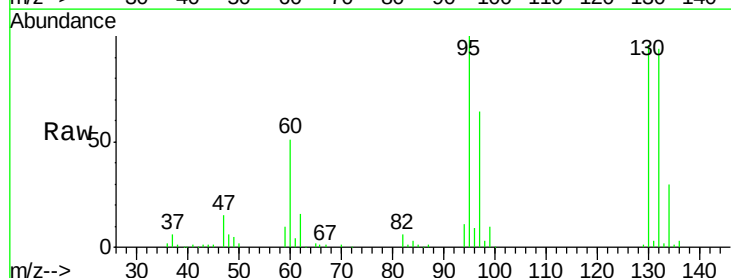
Manual Integrations
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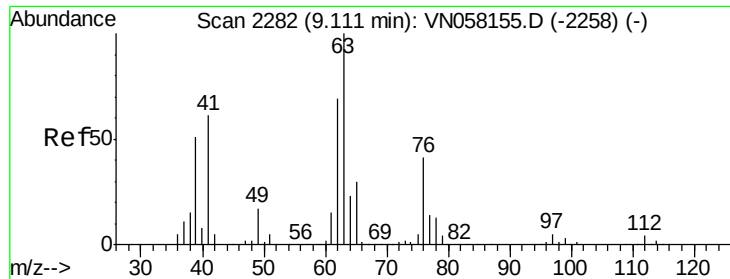
MMDadoda
9/27/2019 11:20:23 AM



#44
Trichloroethene
Concen: 47.474 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	207.8





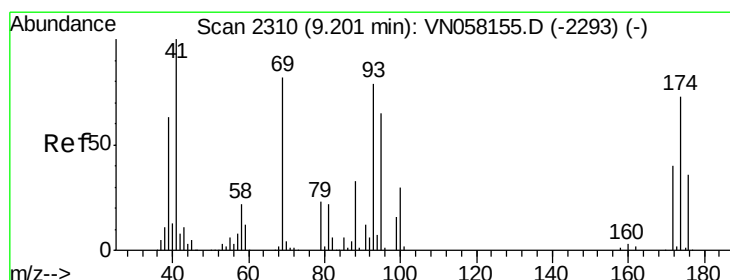
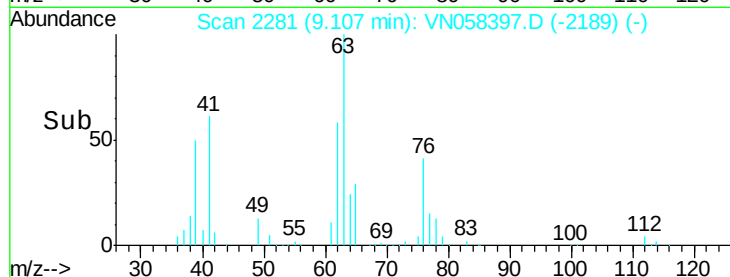
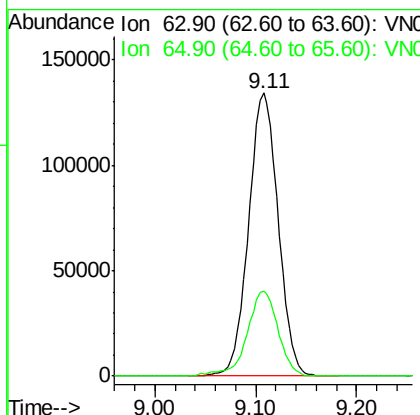
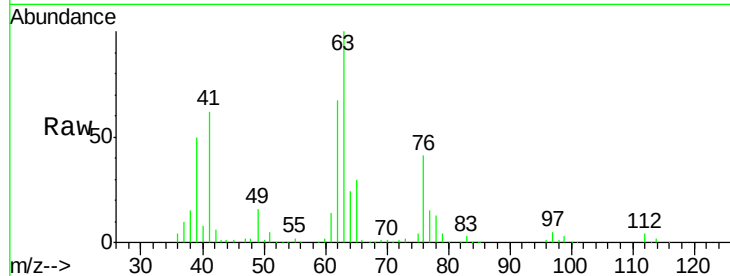
#45
 1,2-Dichloropropane
 Concen: 50.641 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 272448
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6

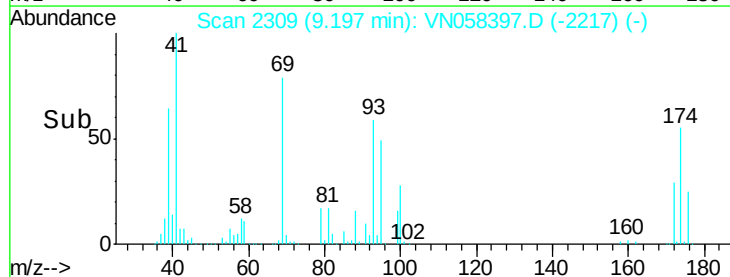
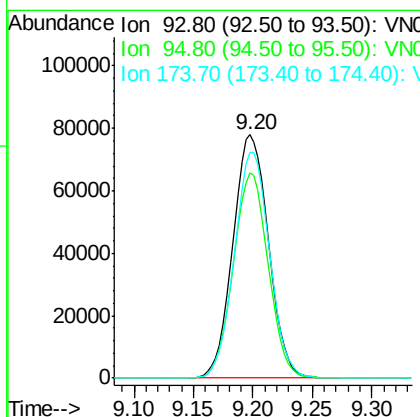
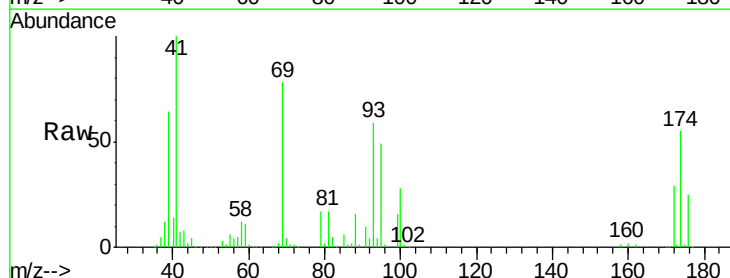
Manual Integrations
 APPROVED

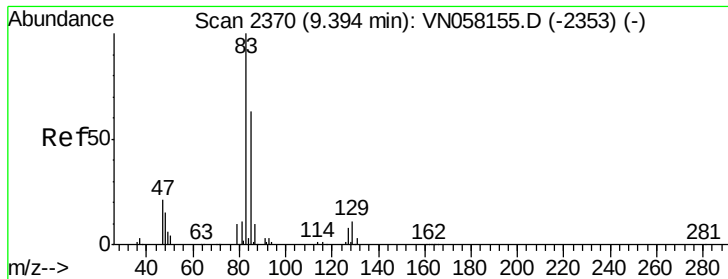
MMDadoda
 9/27/2019 11:20:23 AM



#46
 Dibromomethane
 Concen: 49.285 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion: 93 Resp: 161207
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 92.0 73.8 110.8





#47

Bromodichloromethane

Concen: 50.706 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

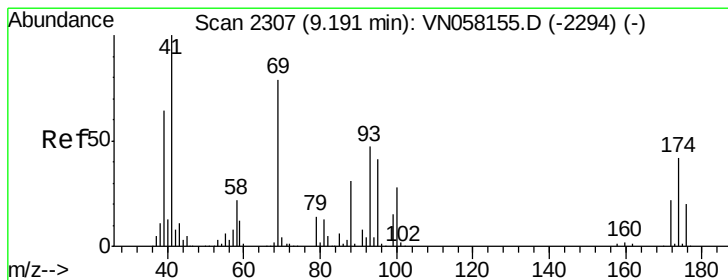
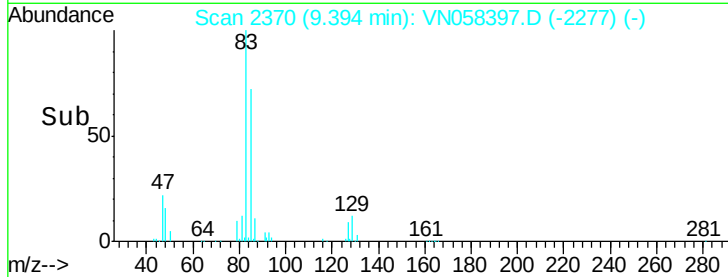
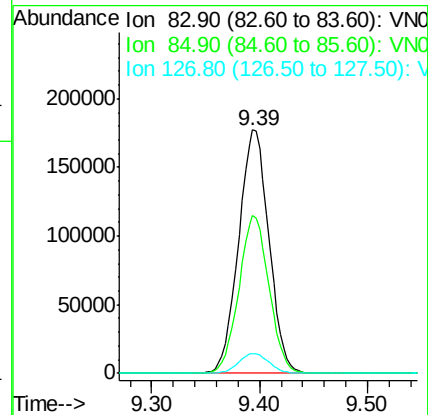
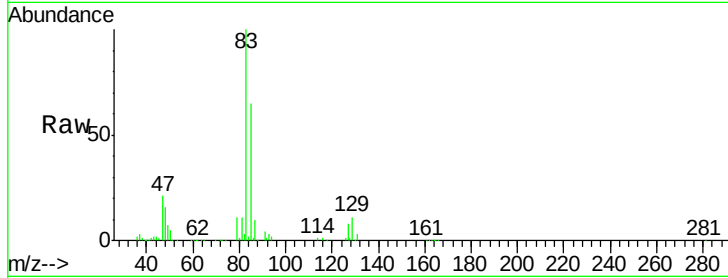
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	347466
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.1	75.1
127	8.1	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.317 ug/l

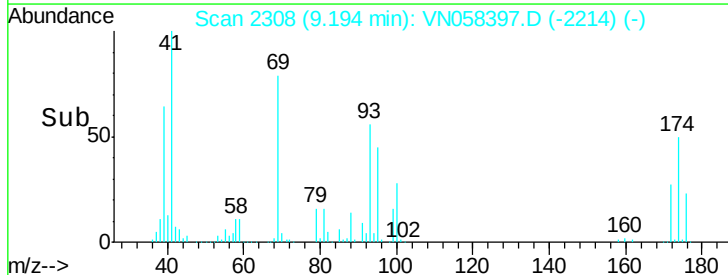
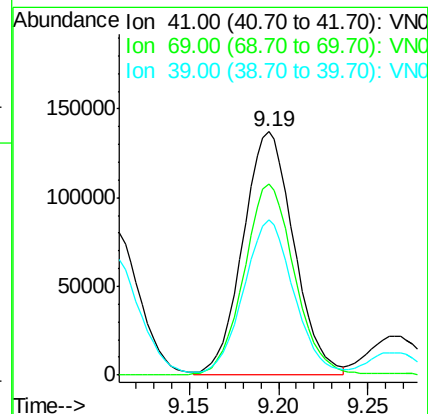
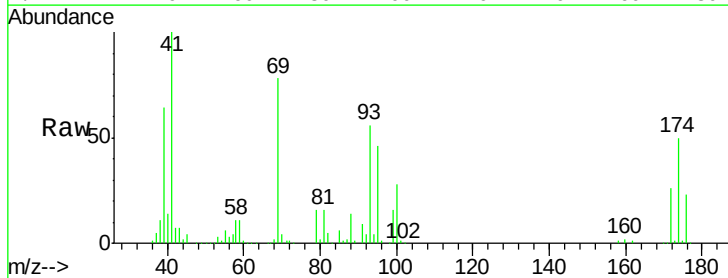
RT: 9.19 min Scan# 2308

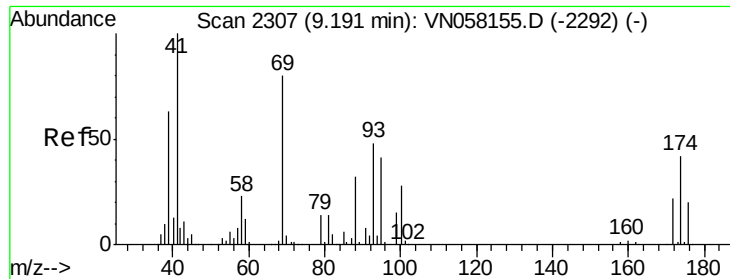
Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	41	Resp:	271548
Ion Ratio	Lower	Upper	
41	100		
69	78.6	62.5	93.7
39	62.8	52.3	78.5





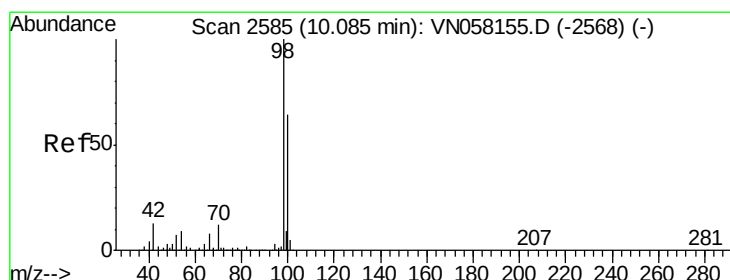
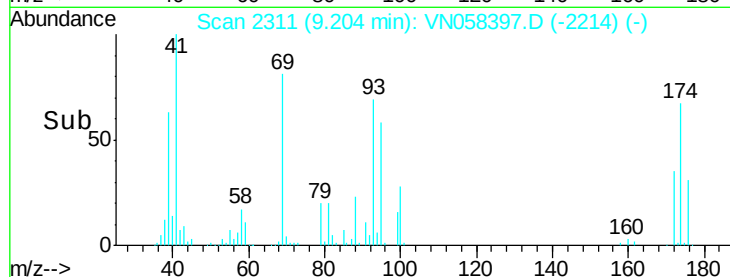
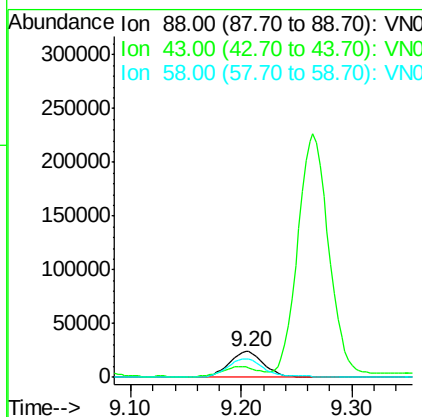
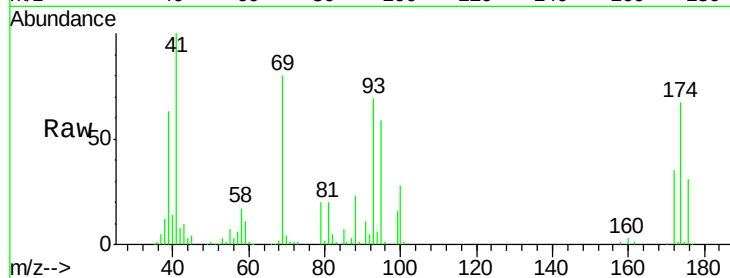
#49
 1,4-Dioxane
 Concen: 619.659 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	52806
Ion	Ratio	Lower	Upper
88	100		
43	38.3	27.8	41.8
58	79.0	55.0	82.4

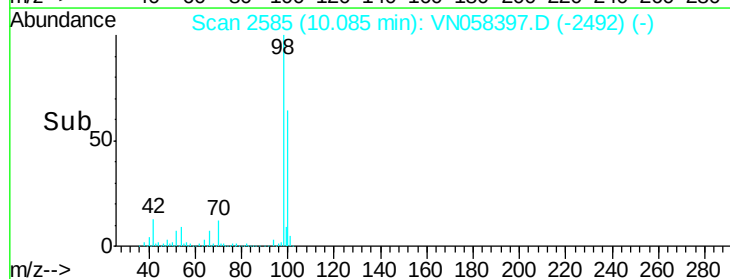
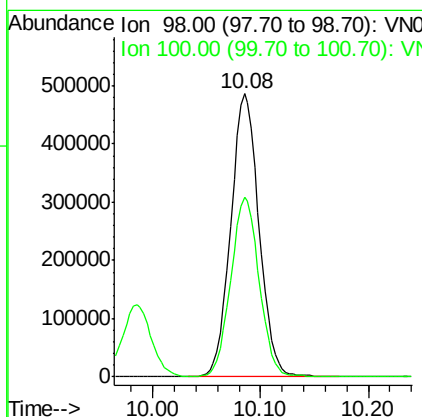
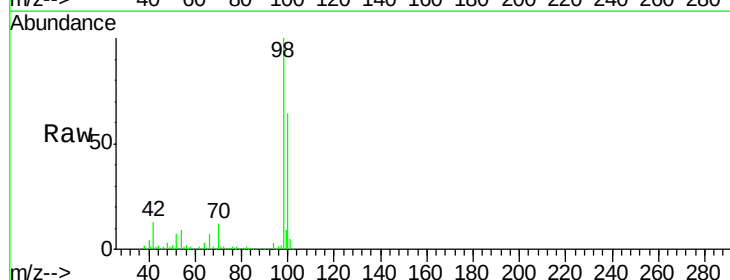
Manual Integrations
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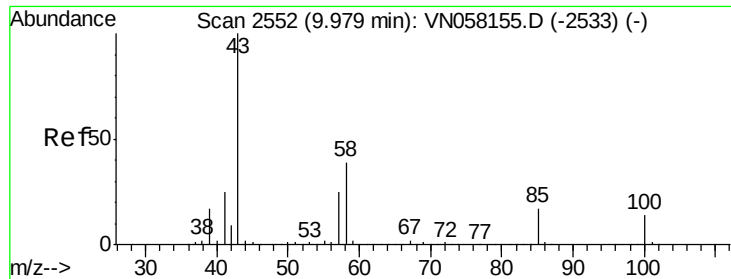
MMDadoda
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#50
 Toluene-d8
 Concen: 45.824 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion	98	Resp	887720
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 281.791 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 1711040

Ion Ratio Lower Upper

43 100

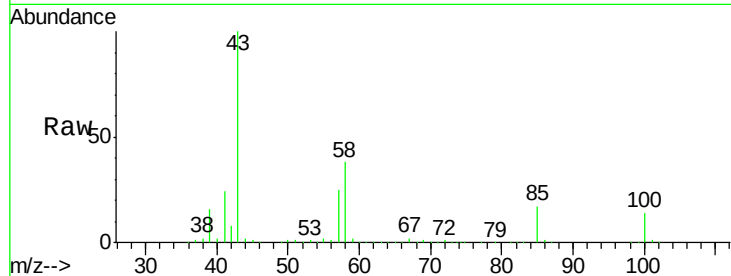
58 37.5 30.2 45.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

800000

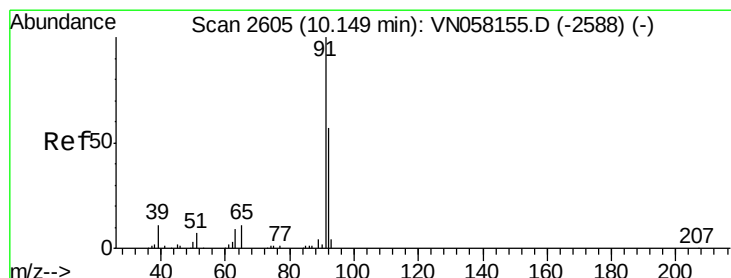
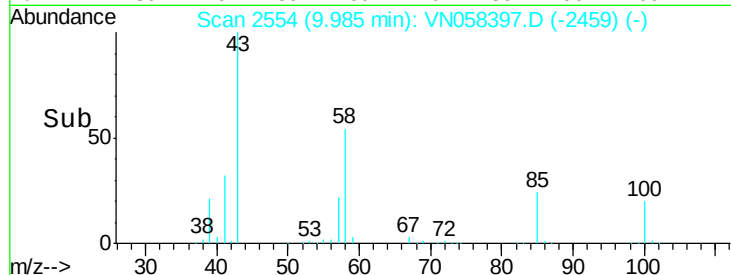
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.371 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058397.D

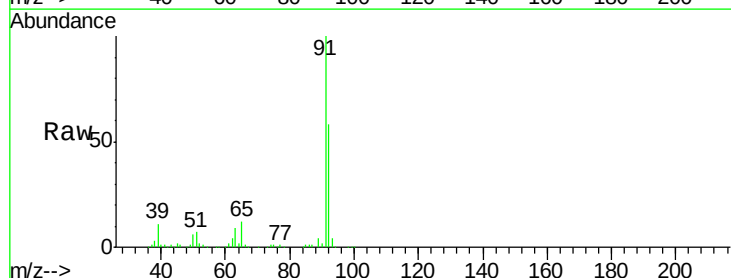
Acq: 26 Sep 2019 20:07

Tgt Ion: 92 Resp: 568702

Ion Ratio Lower Upper

92 100

91 174.5 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

600000

500000

400000

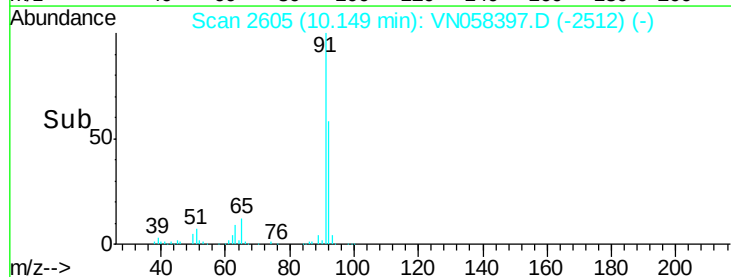
300000

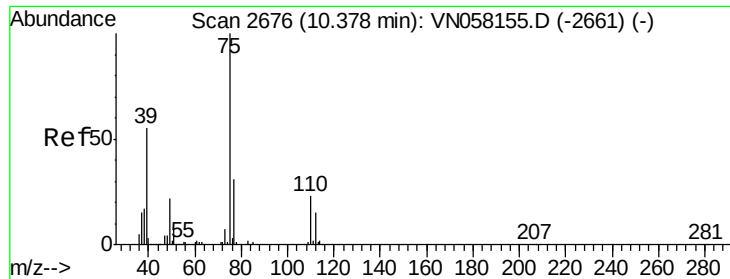
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.651 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 376601

Ion Ratio Lower Upper

75 100

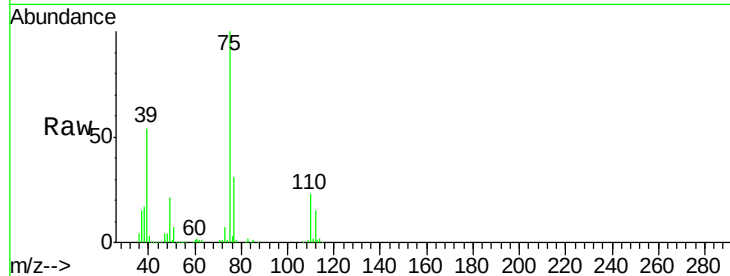
77 30.5 24.9 37.3

Manual Integrations

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9/27/2019 11:20:23 AM



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.38

250000

200000

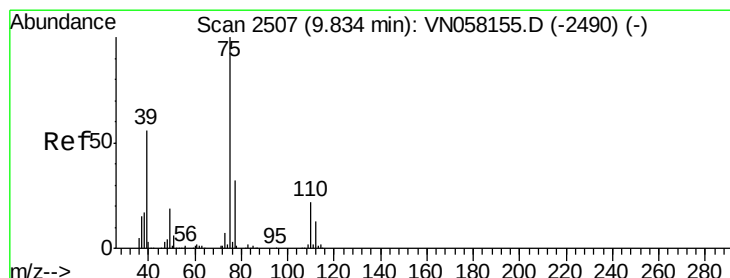
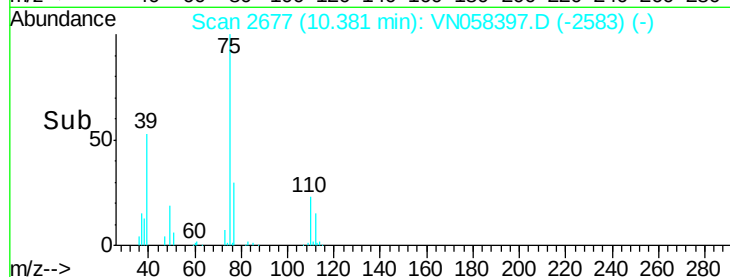
150000

100000

50000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 51.112 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

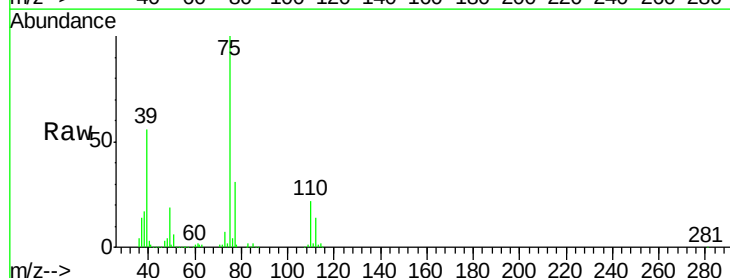
Tgt Ion: 75 Resp: 396114

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 56.2 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.83

300000

250000

200000

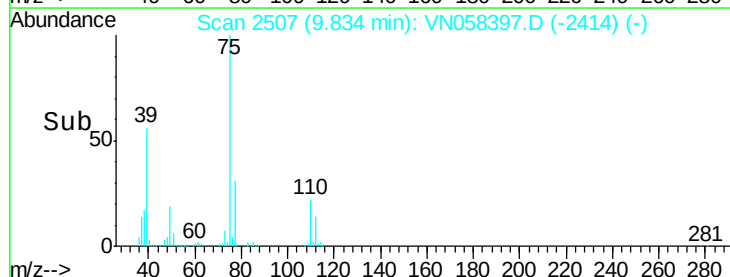
150000

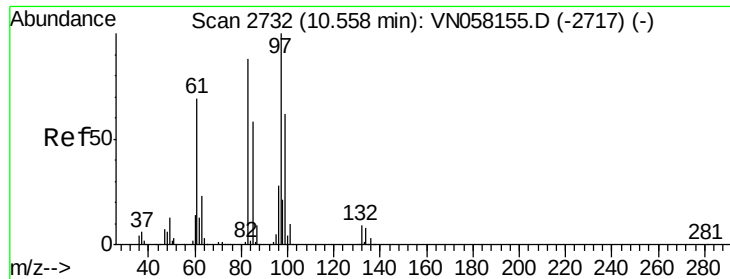
100000

50000

0

Time--> 9.75 9.80 9.85 9.90 9.95





#55

1,1,2-Trichloroethane

Concen: 51.214 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

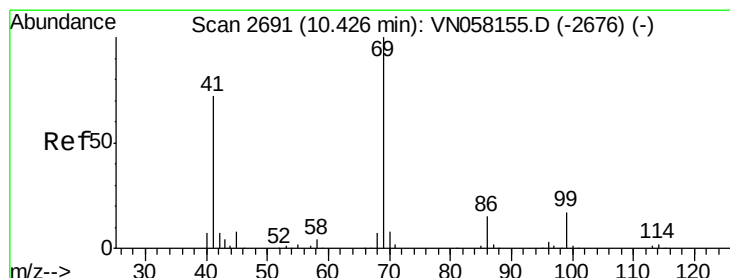
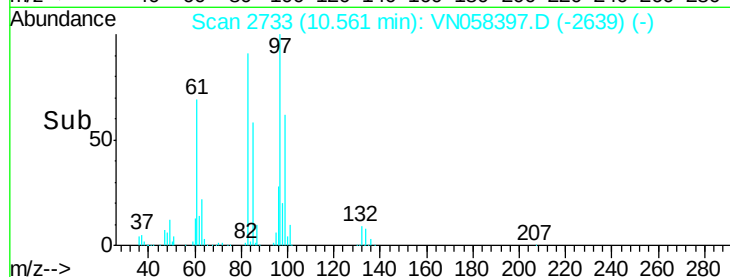
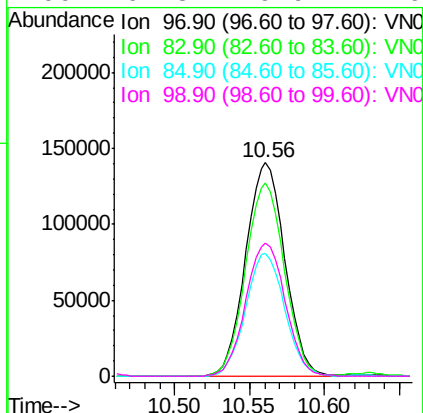
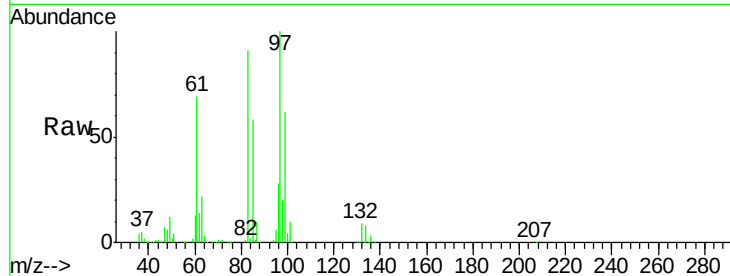
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	256599
Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.4	105.6
85	57.7	46.8	70.2
99	62.3	49.9	74.9

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#56

Ethyl methacrylate

Concen: 53.192 ug/l

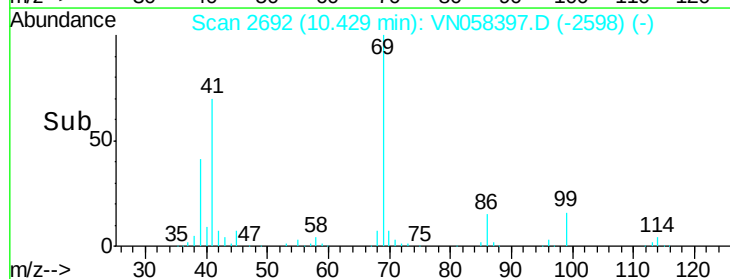
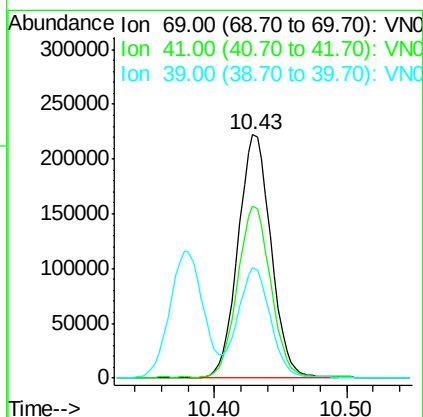
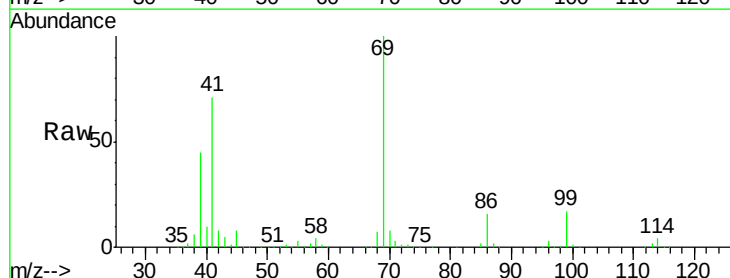
RT: 10.43 min Scan# 2692

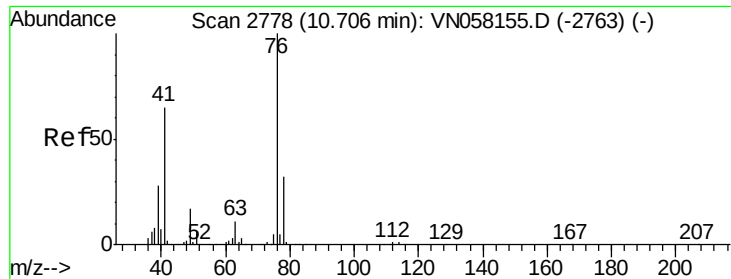
Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	69	Resp:	384530
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.5	86.3
39	44.2	36.1	54.1





#57

1,3-Dichloropropane

Concen: 50.504 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 435010

Ion Ratio Lower Upper

76 100

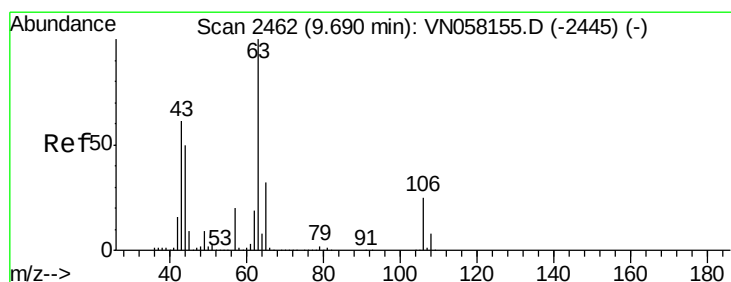
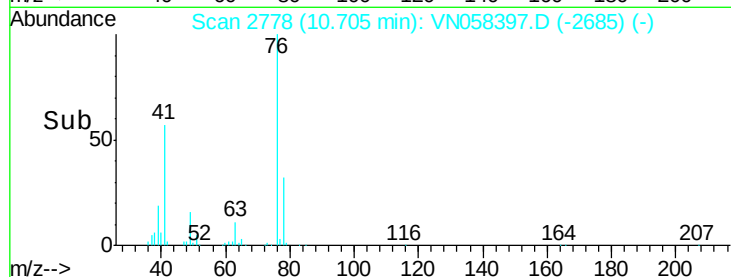
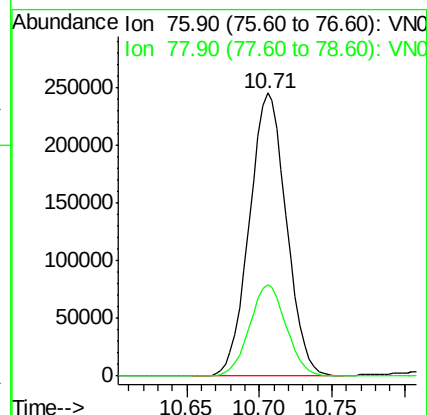
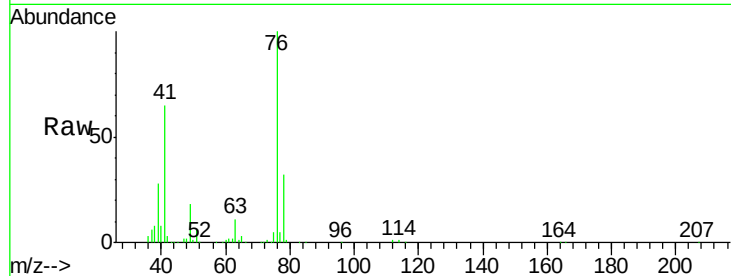
78 32.2 25.4 38.0

Manual Integrations

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9/27/2019 11:20:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 281.726 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058397.D

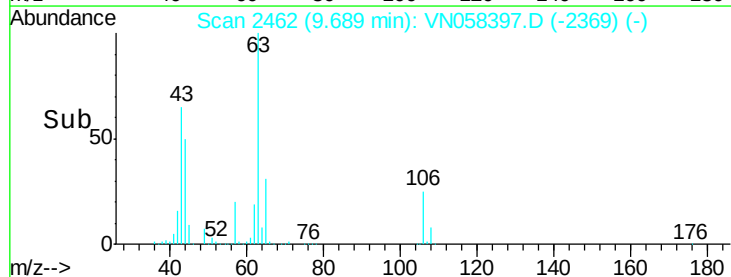
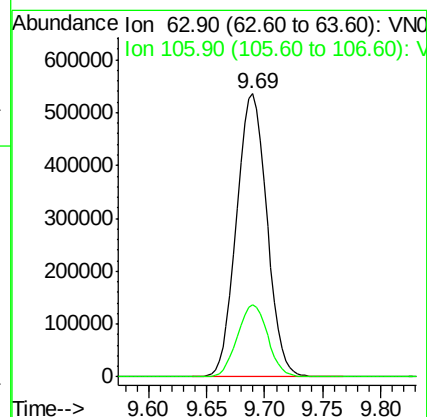
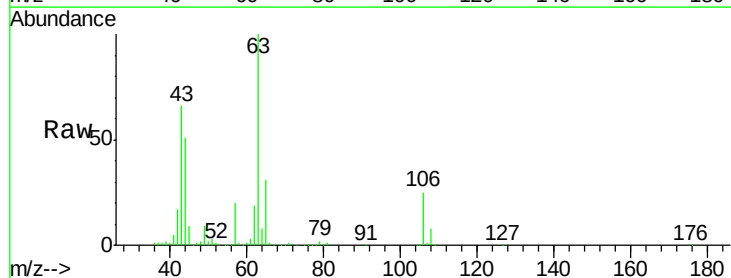
Acq: 26 Sep 2019 20:07

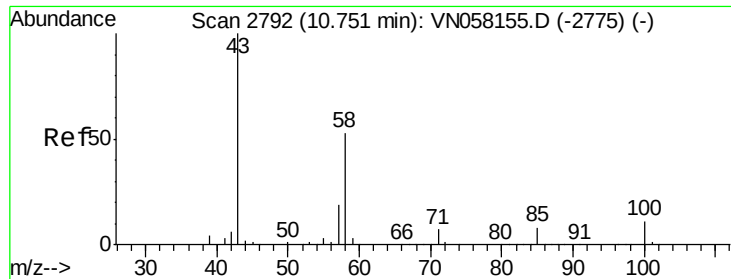
Tgt Ion: 63 Resp: 970094

Ion Ratio Lower Upper

63 100

106 25.5 19.9 29.9





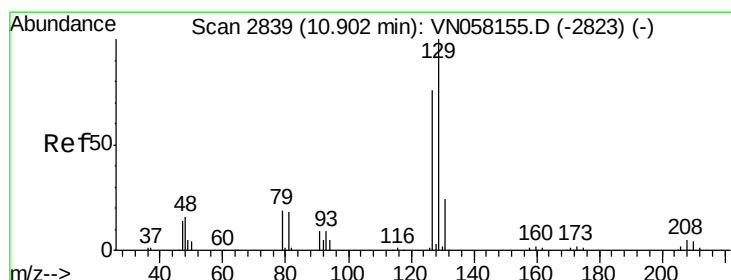
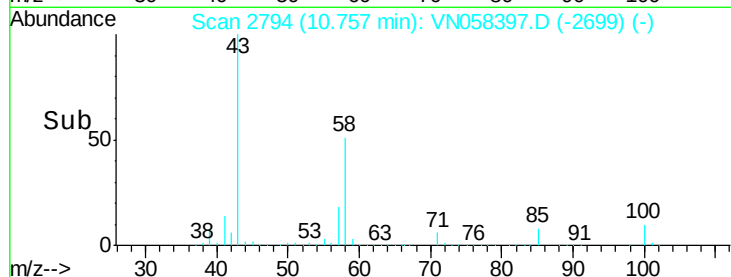
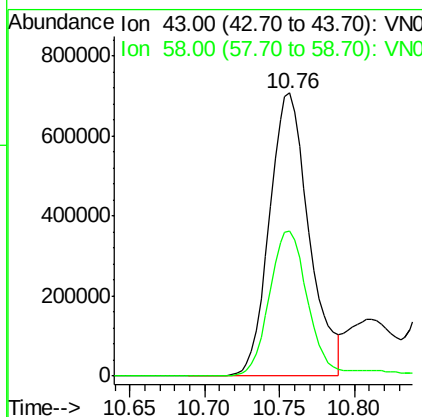
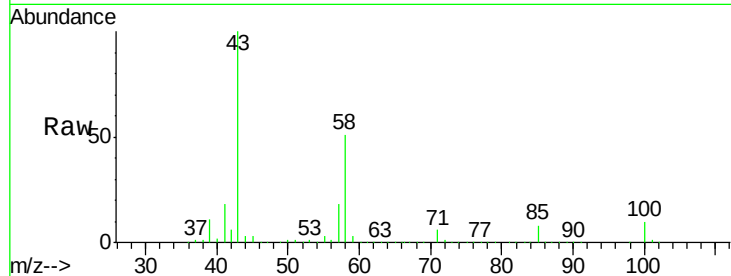
#59
2-Hexanone
Concen: 288.227 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 1299795
Ion Ratio Lower Upper
43 100
58 49.4 26.0 78.0

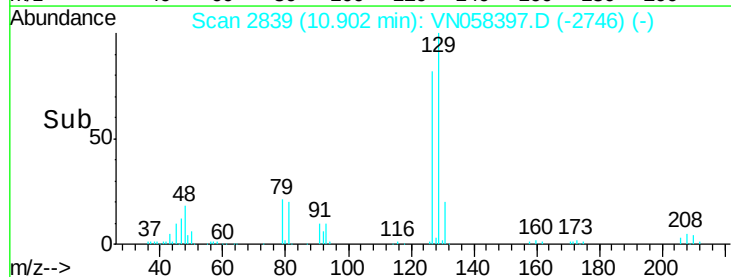
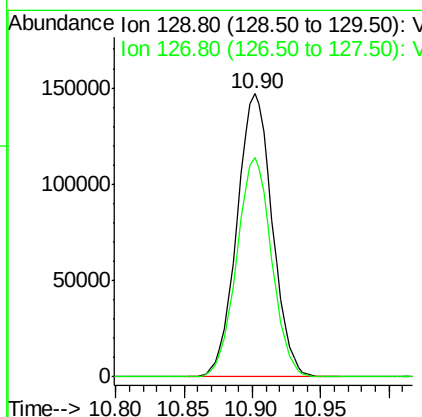
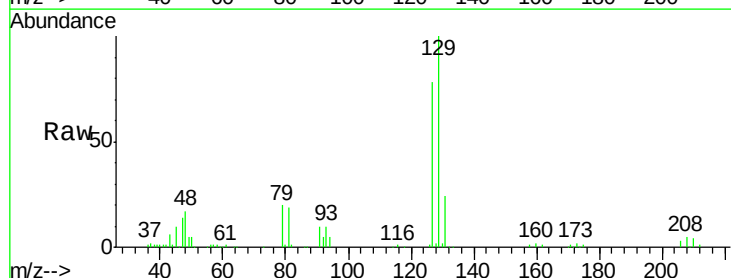
Manual Integrations
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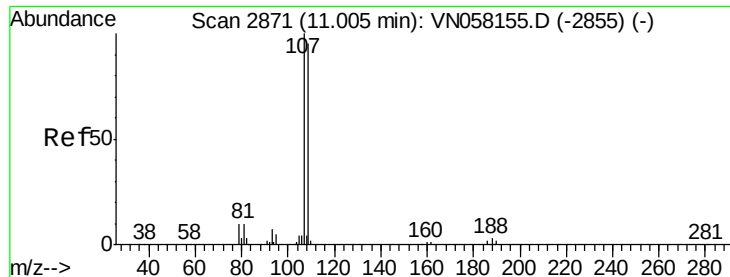
MMDadoda
9/27/2019 11:20:23 AM



#60
Dibromochloromethane
Concen: 54.885 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 129 Resp: 264556
Ion Ratio Lower Upper
129 100
127 76.4 38.7 116.1





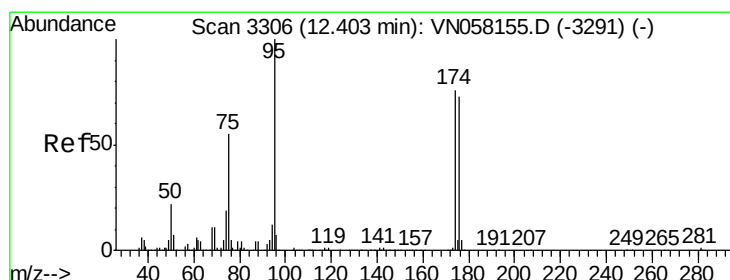
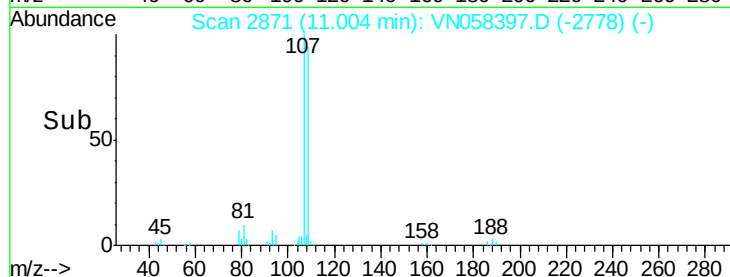
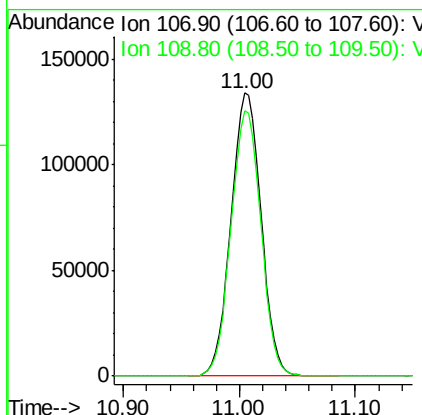
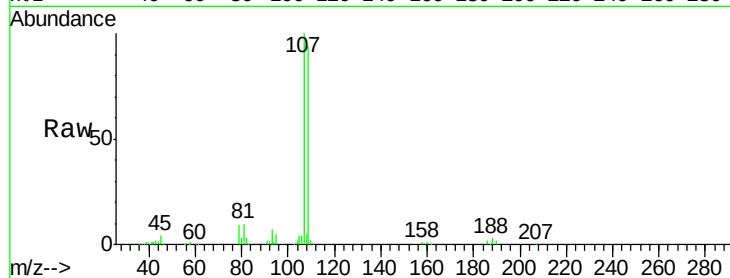
#61
 1,2-Dibromoethane
 Concen: 51.939 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.2

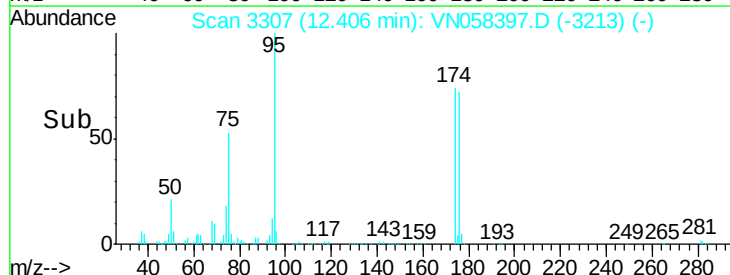
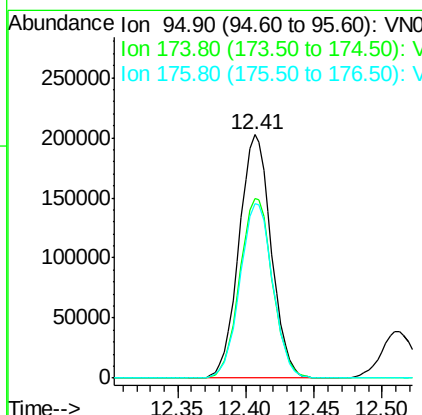
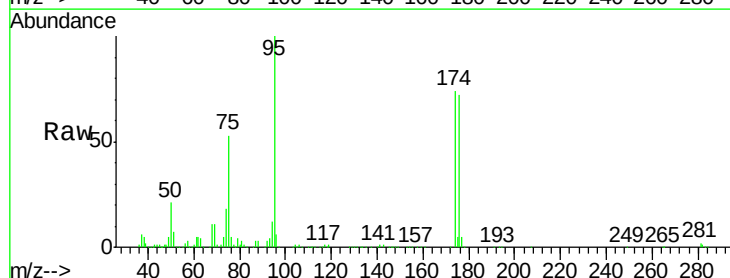
Manual Integrations
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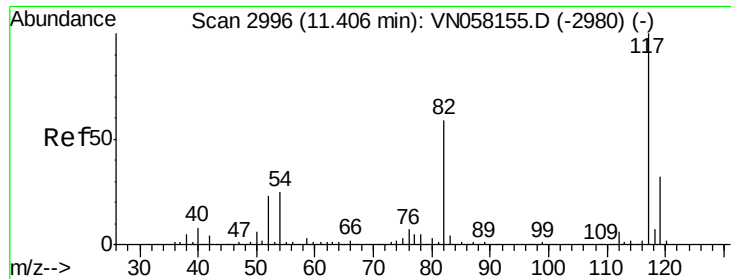
MMDadoda
 9/27/2019 11:20:23 AM



#62
 4-Bromofluorobenzene
 Concen: 46.081 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	152.2
176	72.8	0.0	148.0





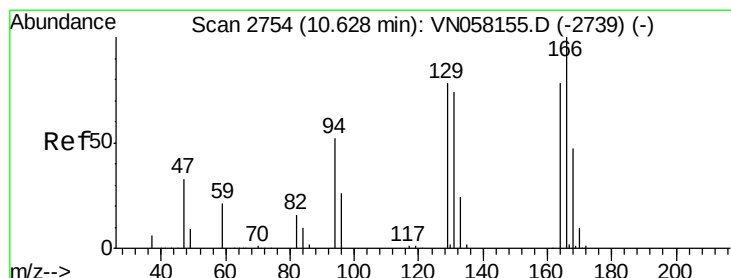
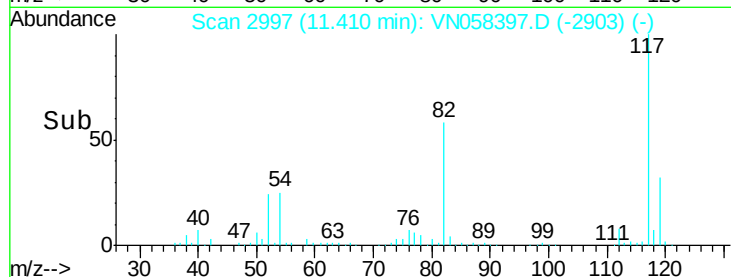
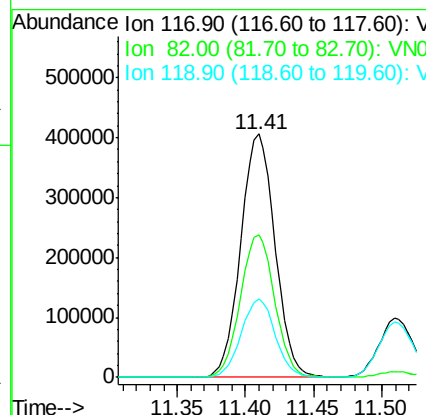
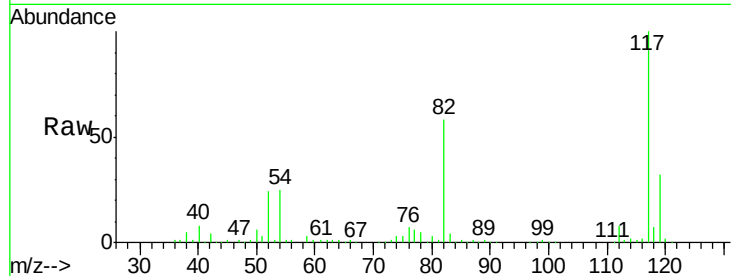
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.9	70.3
119	32.1	25.3	37.9

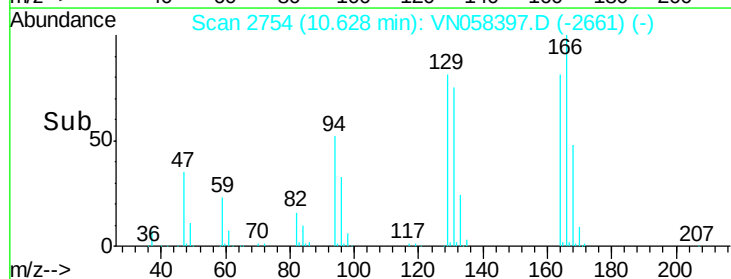
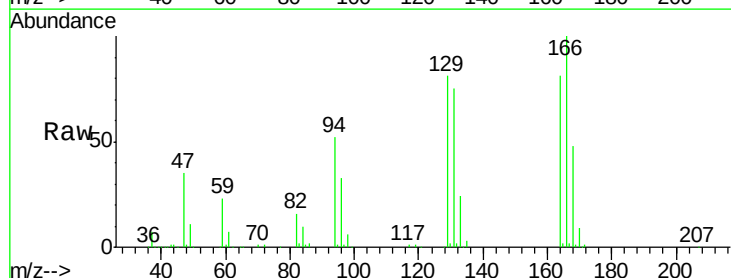
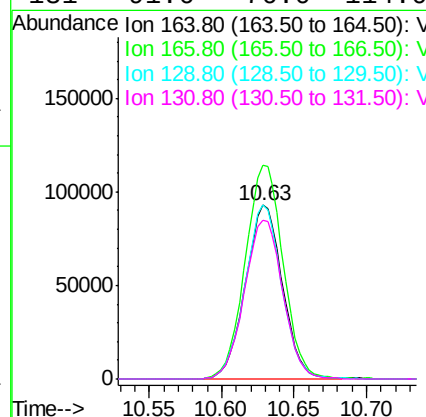
Manual Integrations
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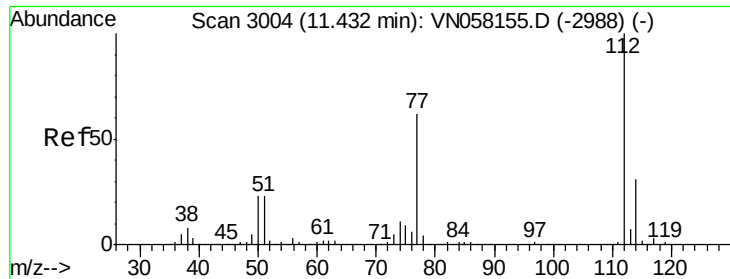
MMDadoda
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#64
Tetrachloroethene
Concen: 47.905 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	102.2	153.4
129	99.9	79.6	119.4
131	91.6	76.0	114.0





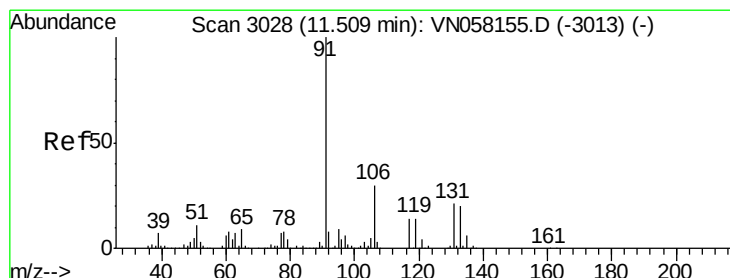
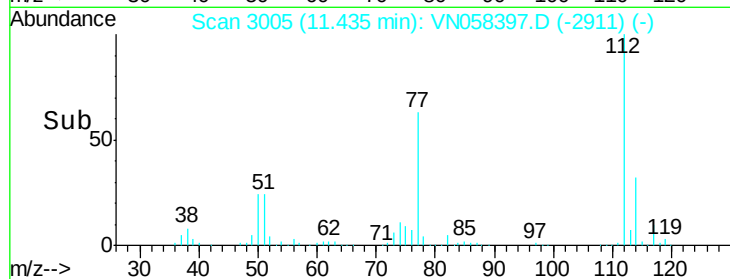
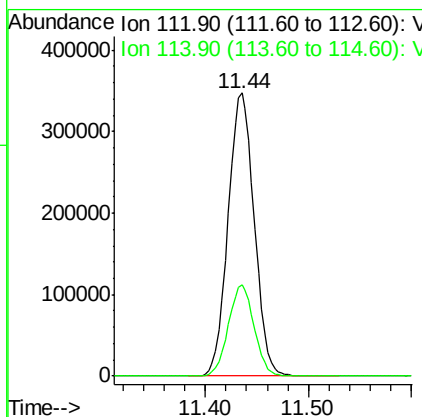
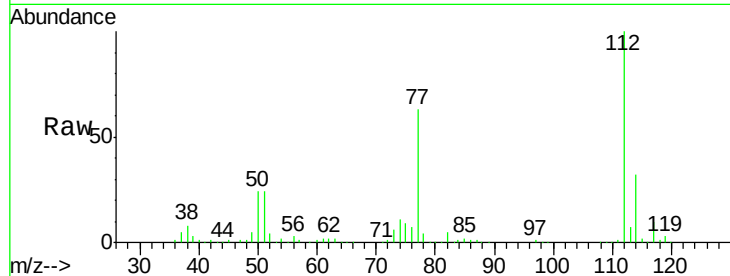
#65
Chlorobenzene
Concen: 49.101 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 613068
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7

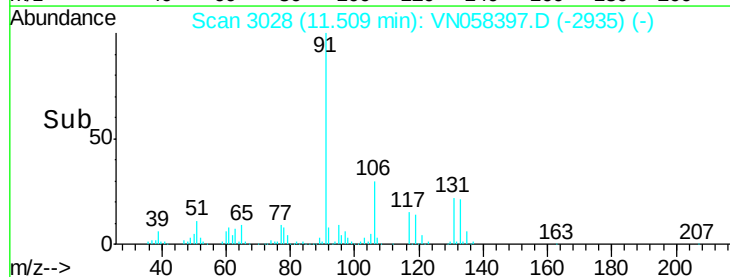
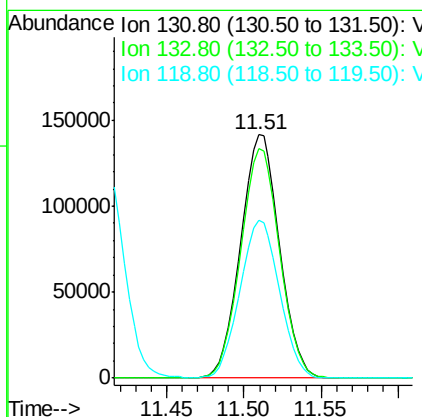
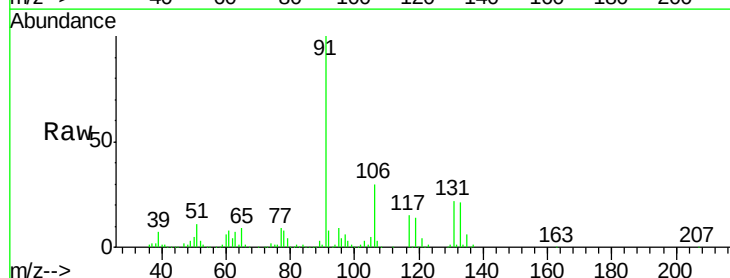
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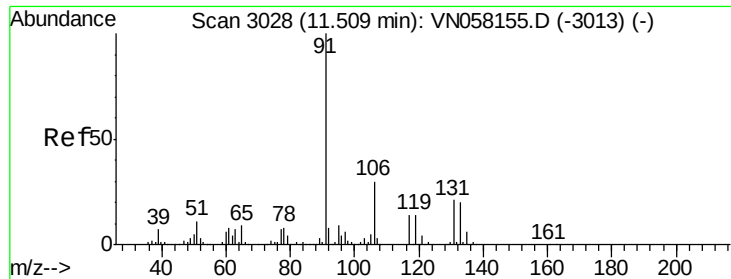
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.596 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion:131 Resp: 247178
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 66.0 33.1 99.3





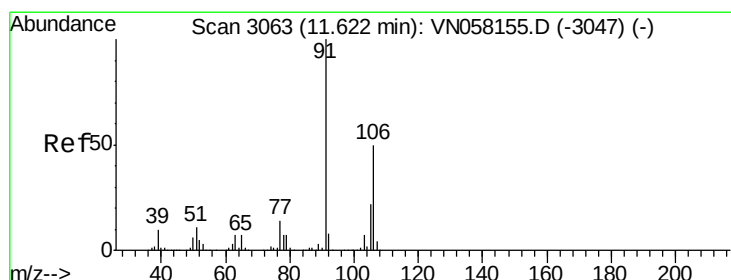
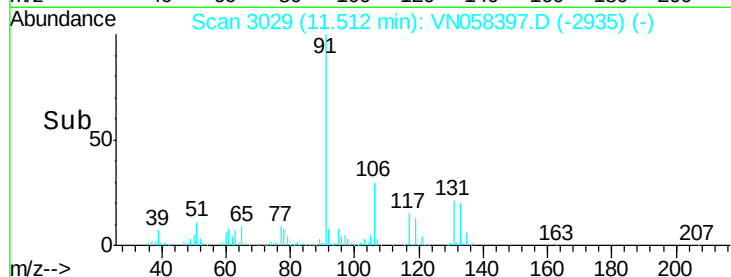
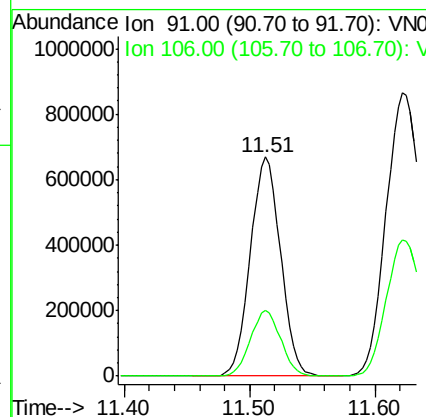
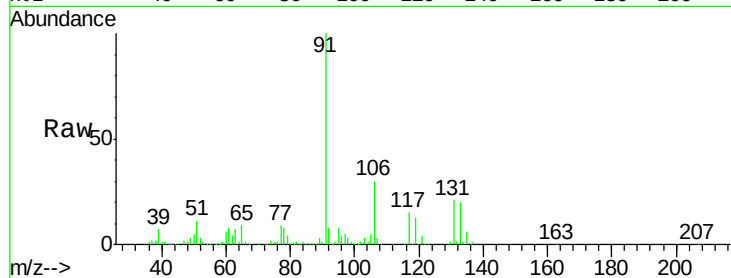
#67
Ethyl Benzene
Concen: 52.303 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1118980
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0

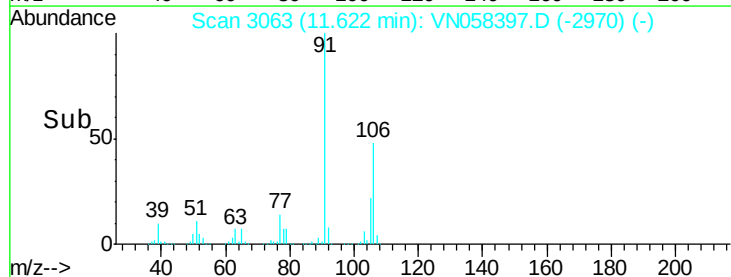
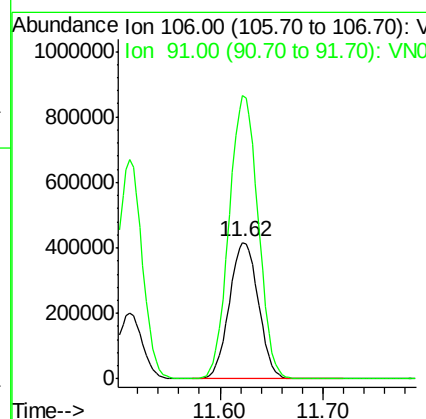
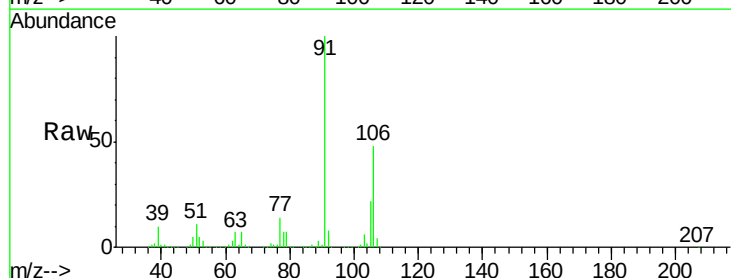
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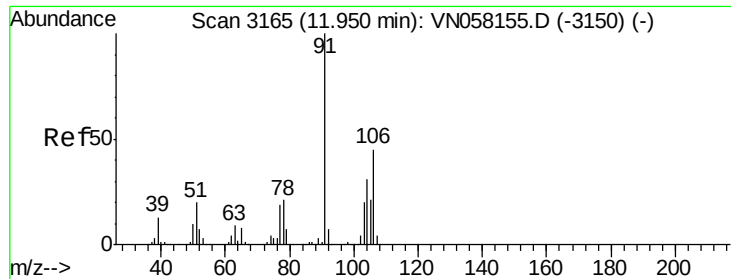
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#68
m/p-Xylenes
Concen: 101.532 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 106 Resp: 818119
Ion Ratio Lower Upper
106 100
91 207.8 163.6 245.4





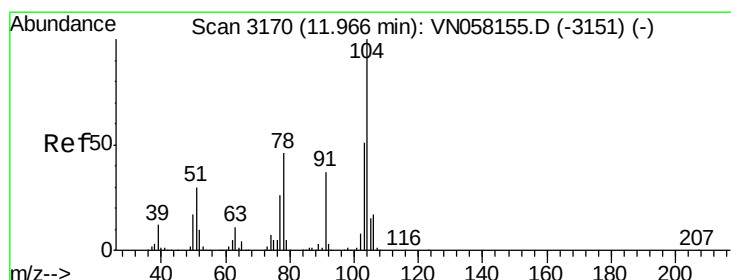
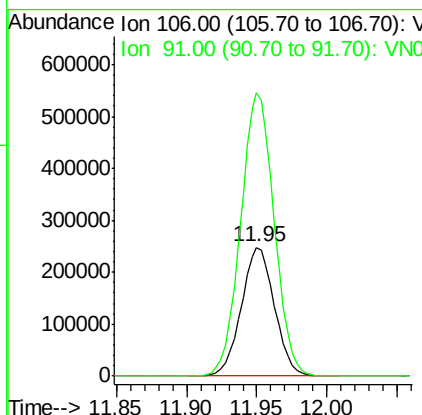
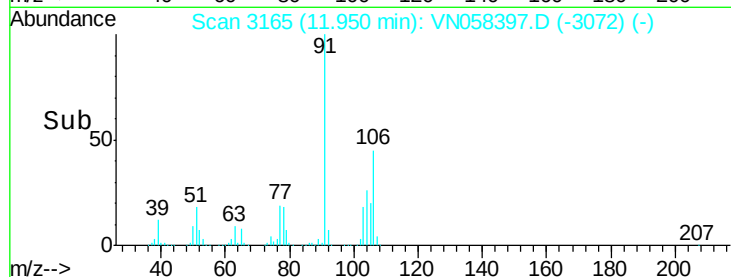
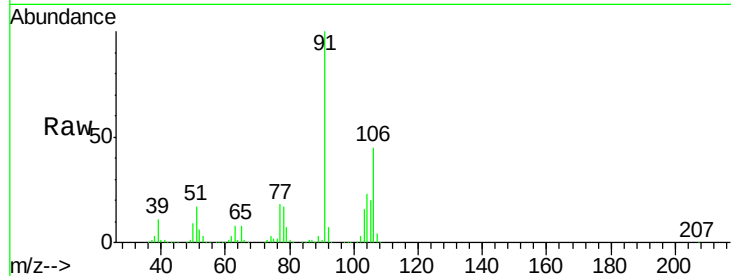
#69
o-Xylene
Concen: 51.508 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	408102		
91	91	222.4	111.8	335.3	

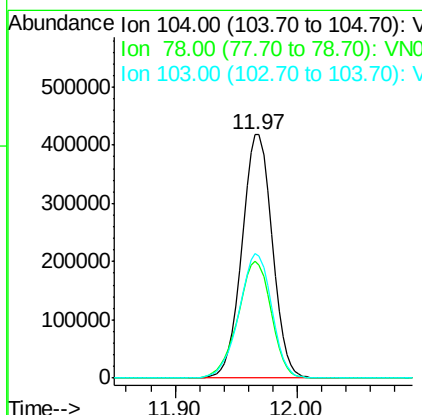
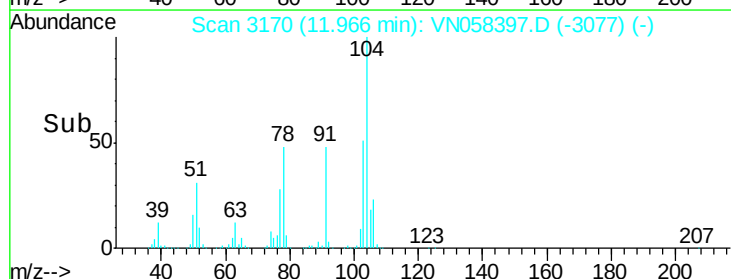
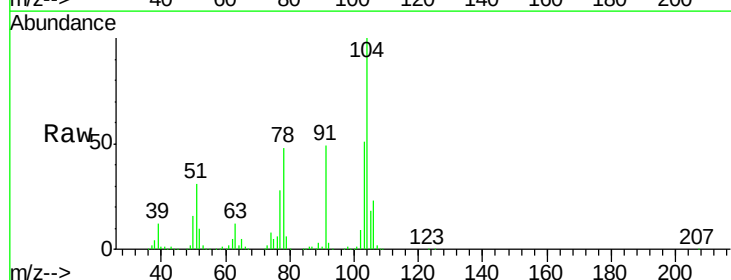
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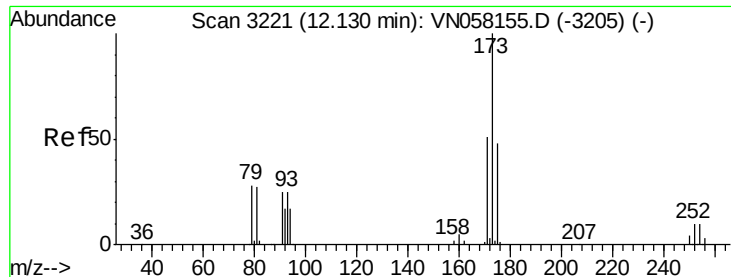
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#70
Styrene
Concen: 52.403 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	715371		
78	78	53.0	41.8	62.8	
103	103	55.1	44.2	66.2	





#71

Bromoform

Concen: 47.295 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 158045

Ion Ratio Lower Upper

173 100

175 49.6 24.2 72.6

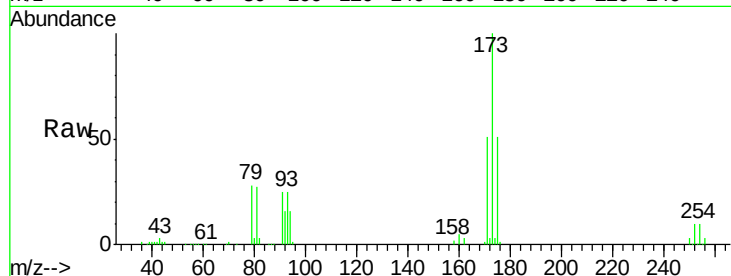
254 0.0 0.1 0.1#

Manual Integrations

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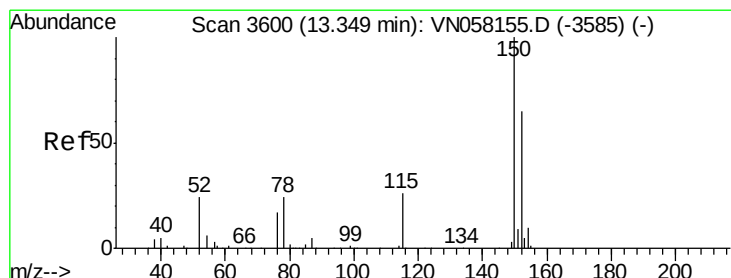
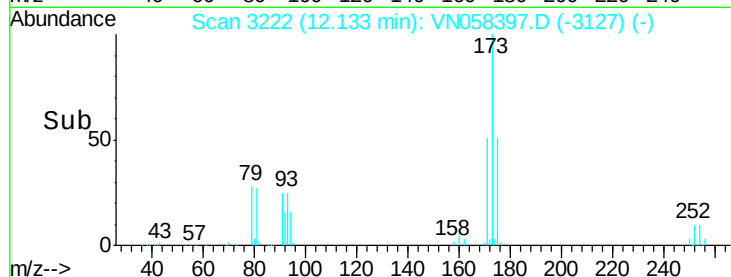
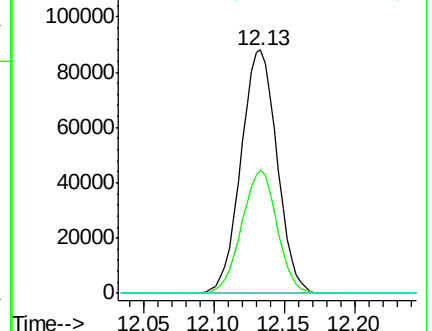
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

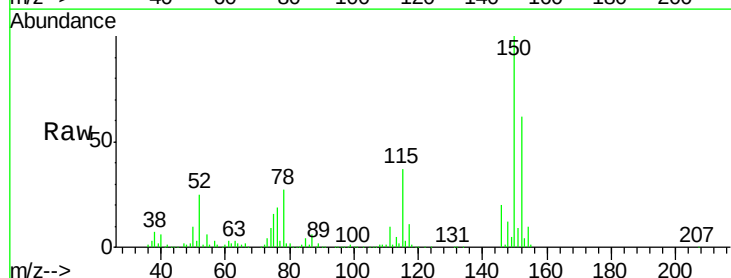
Tgt Ion:152 Resp: 334978

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

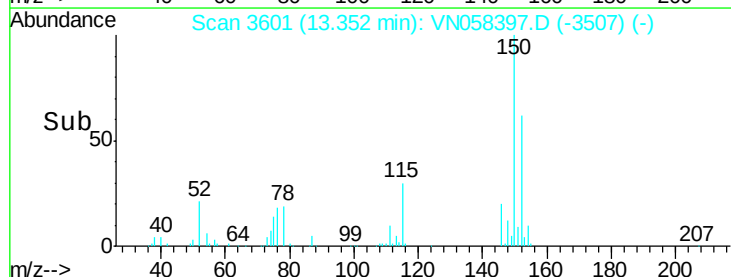
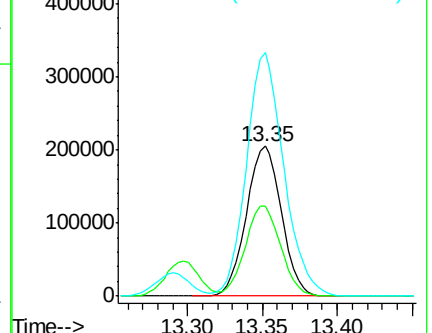
150 173.0 0.0 346.4

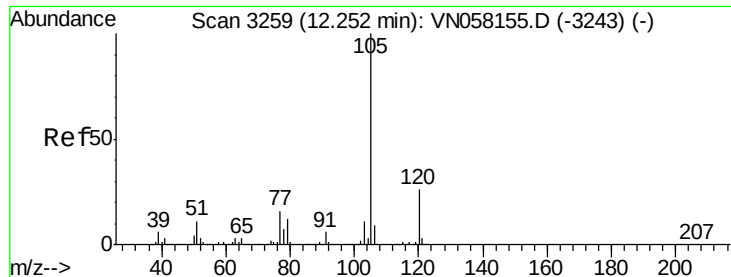


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.366 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1139919

Ion Ratio Lower Upper

105 100

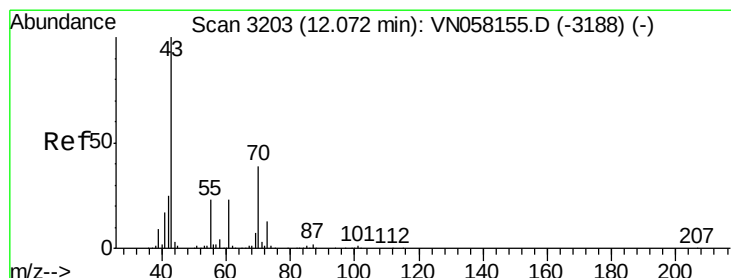
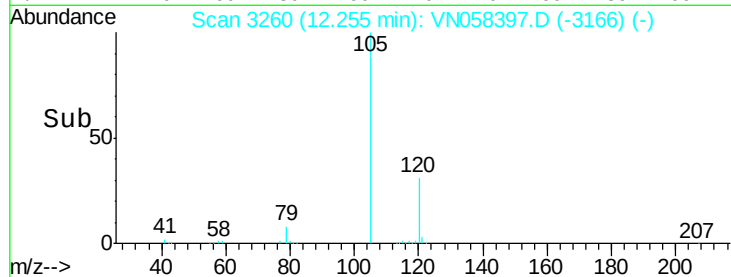
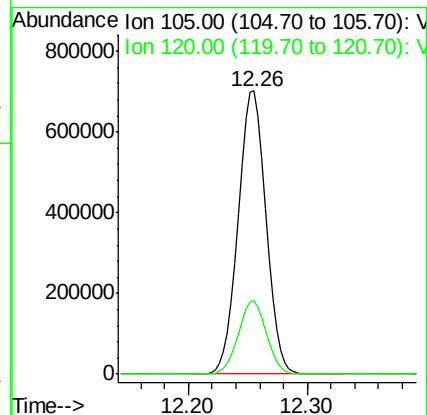
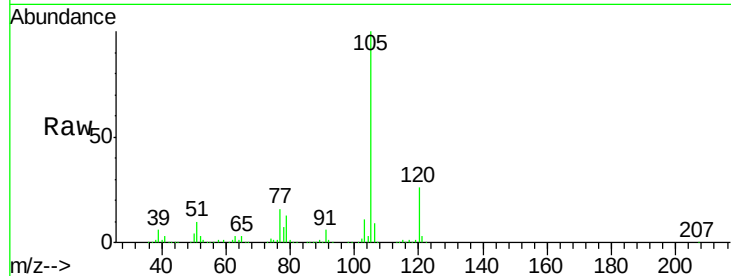
120 25.8 12.8 38.3

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#74

N-ethyl acetate

Concen: 62.265 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion: 43 Resp: 546164

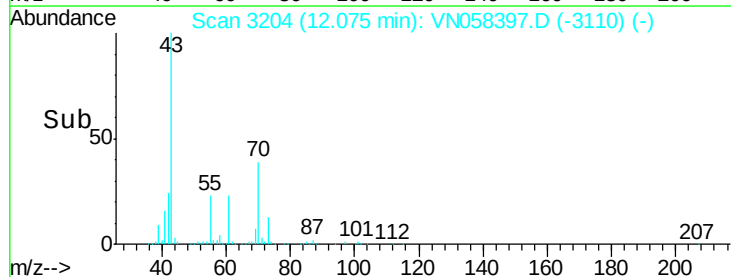
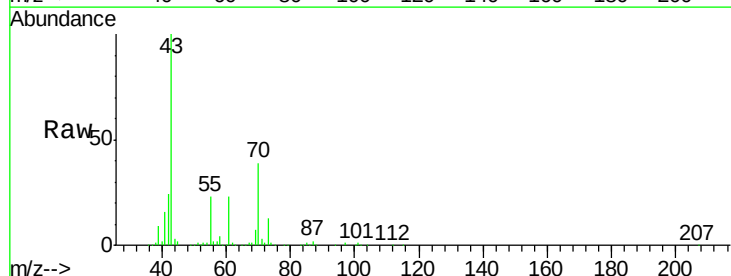
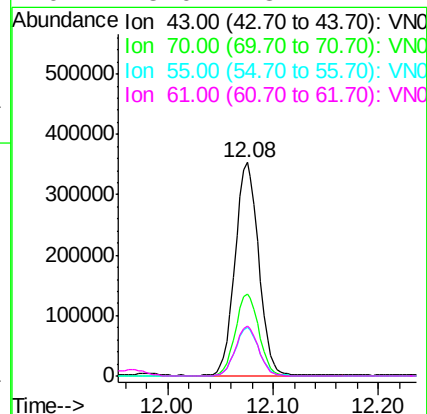
Ion Ratio Lower Upper

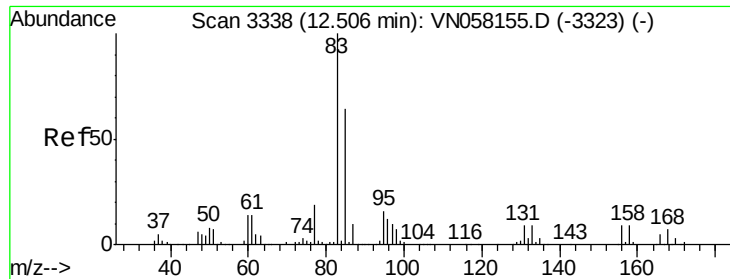
43 100

70 38.6 31.0 46.6

55 23.0 18.5 27.7

61 23.0 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.334 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

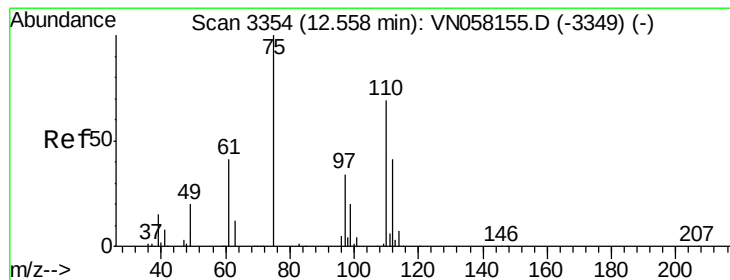
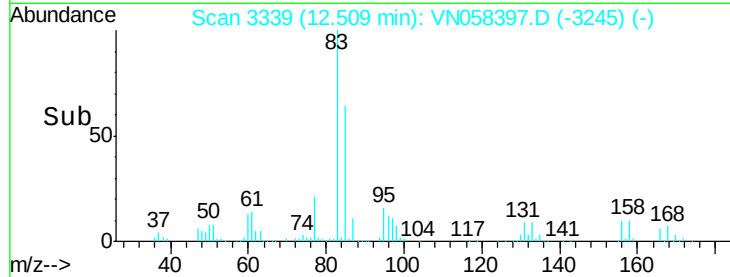
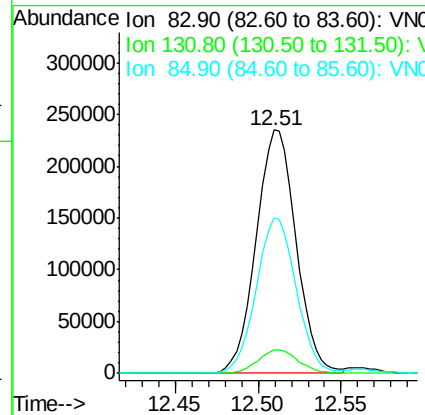
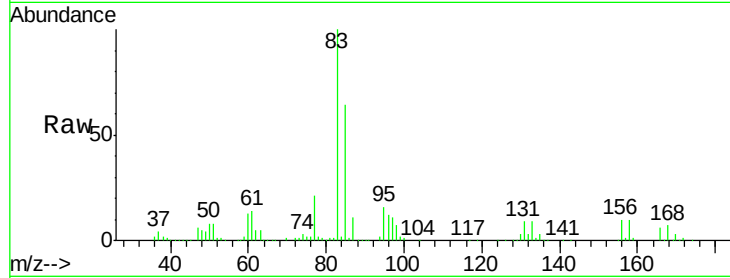
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	395551
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	63.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.066 ug/l m

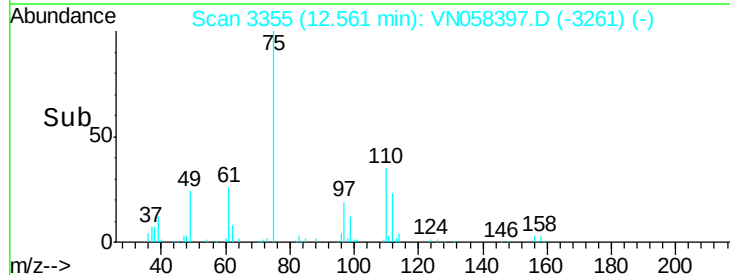
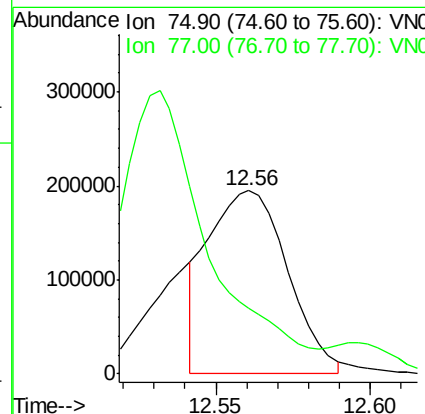
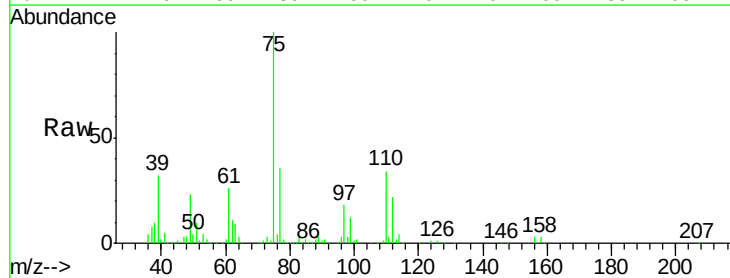
RT: 12.56 min Scan# 3355

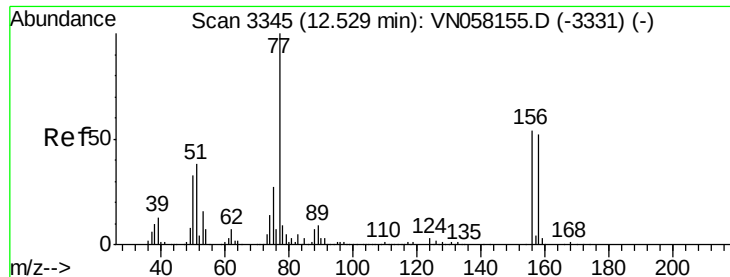
Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	75	Resp:	348108
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.468 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

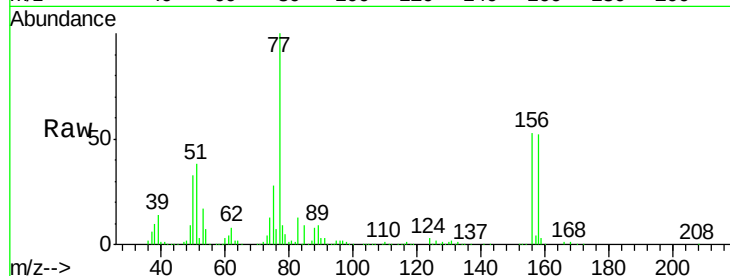
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	228.1	111.7	335.1
158	97.2	47.9	143.8

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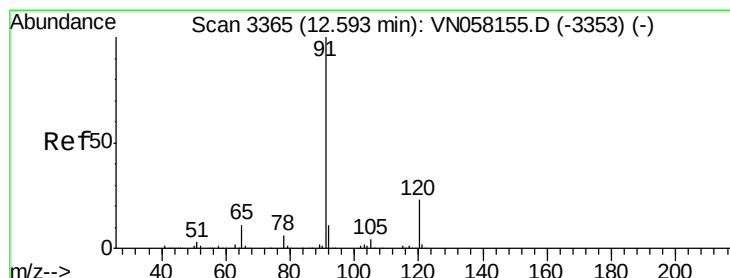
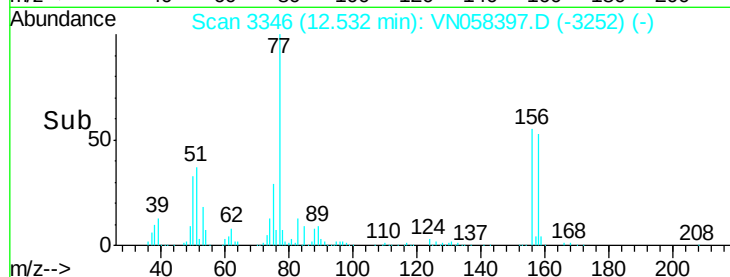
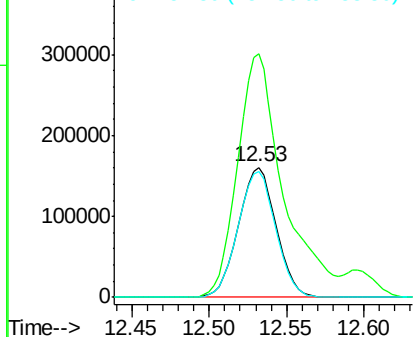
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.263 ug/l

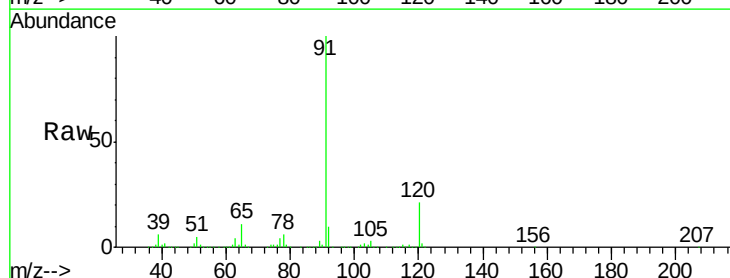
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058397.D

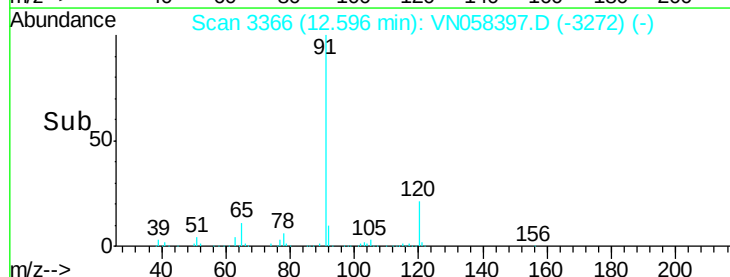
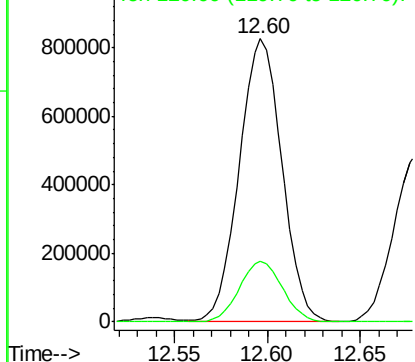
Acq: 26 Sep 2019 20:07

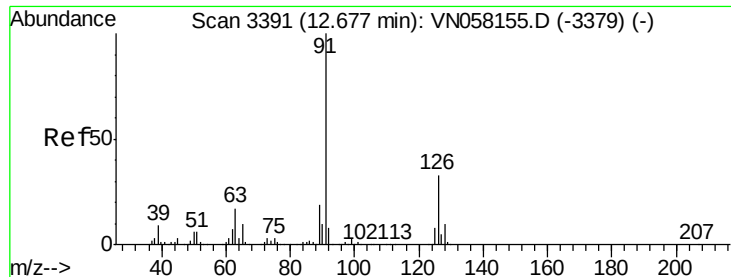
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.469 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 796186

Ion Ratio Lower Upper

91 100

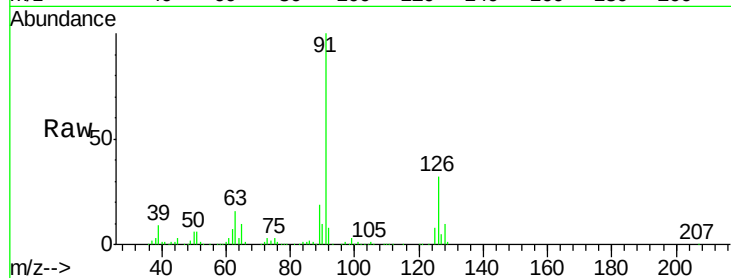
126 32.7 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

800000

600000

400000

200000

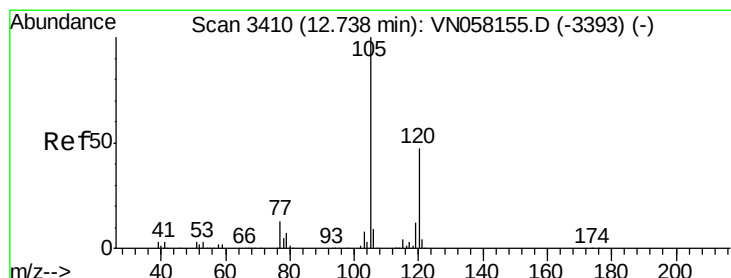
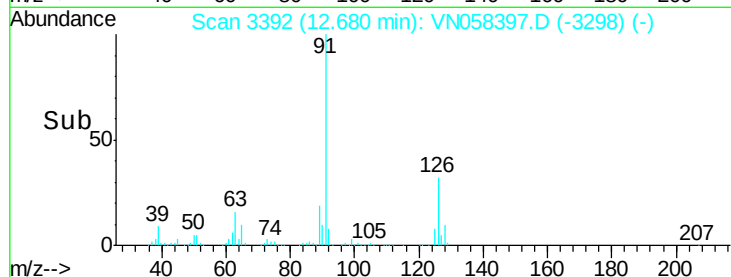
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.896 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058397.D

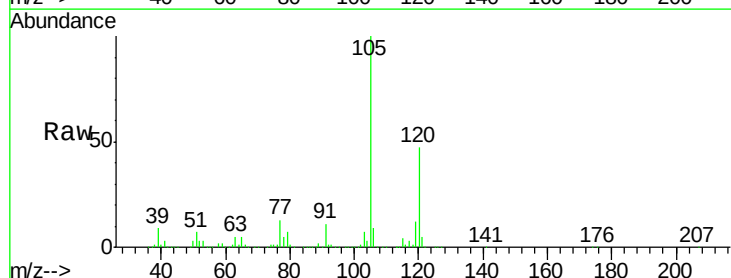
Acq: 26 Sep 2019 20:07

Tgt Ion: 105 Resp: 973333

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

600000

400000

200000

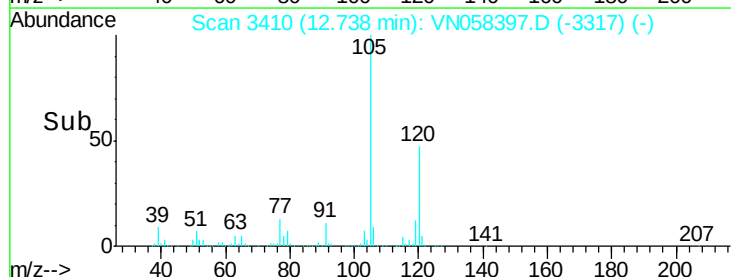
0

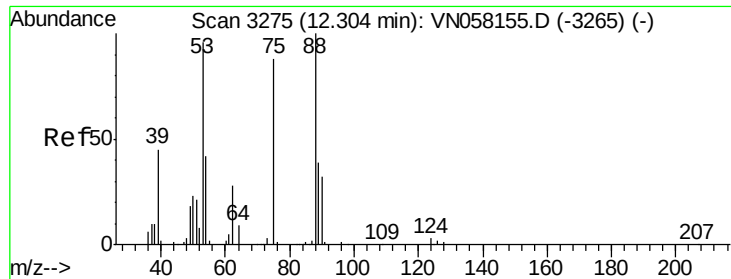
12.74

12.70

12.80

Time-->





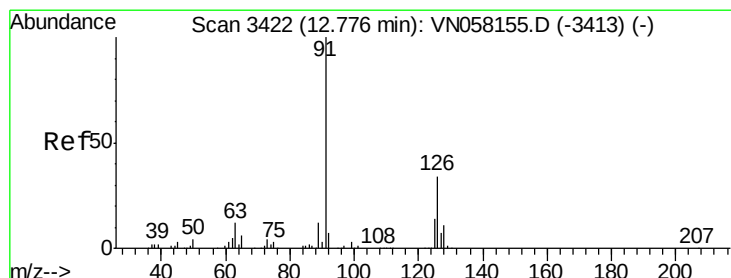
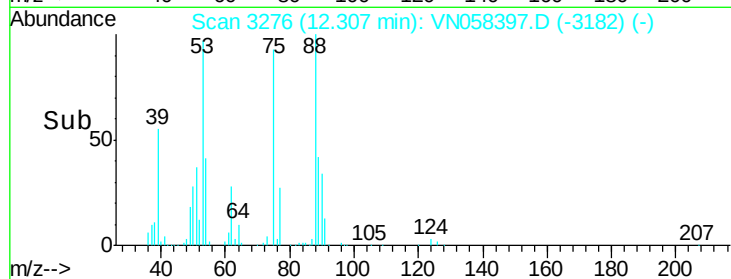
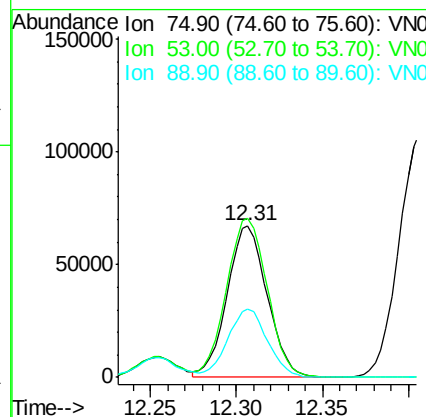
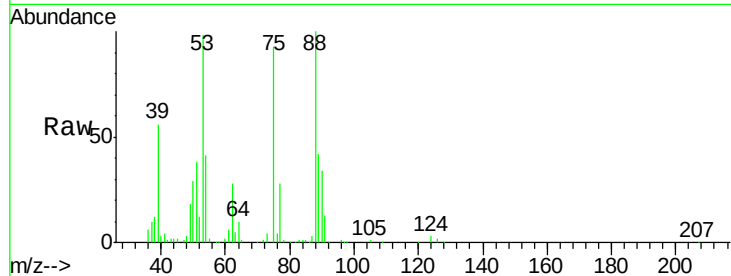
#81
trans-1,4-Dichloro-2-butene
Concen: 53.523 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.7	90.1	135.1
89	44.7	36.2	54.2

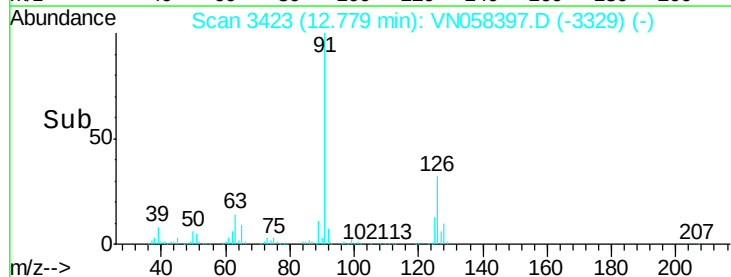
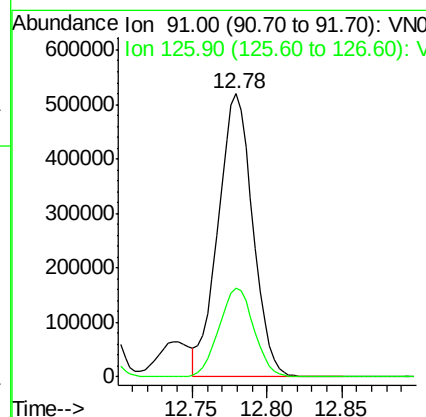
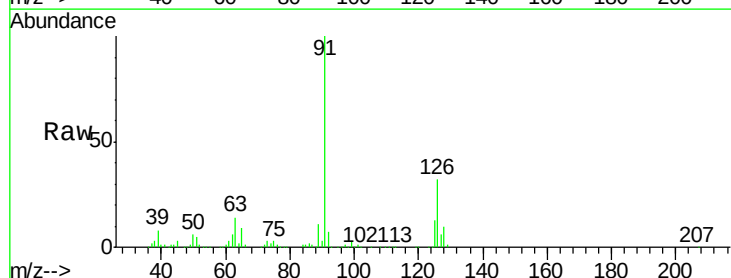
Manual Integrations
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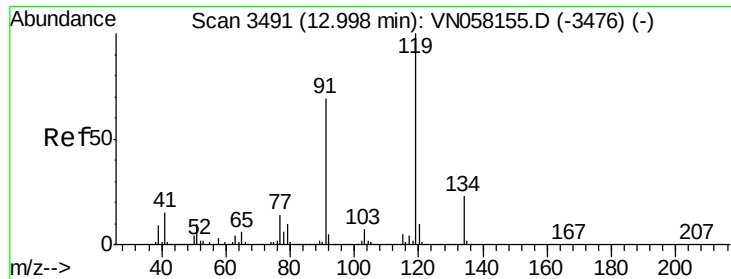
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#82
4-Chlorotoluene
Concen: 53.425 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1





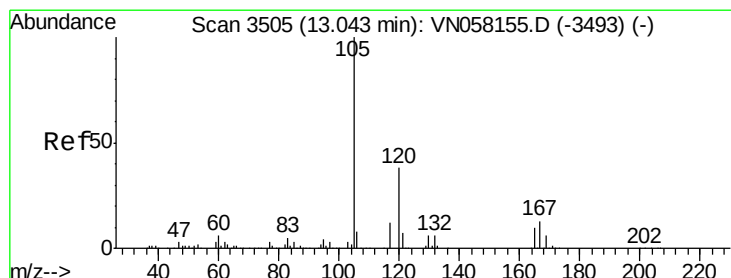
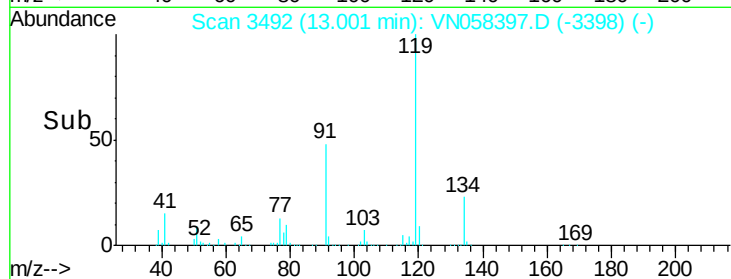
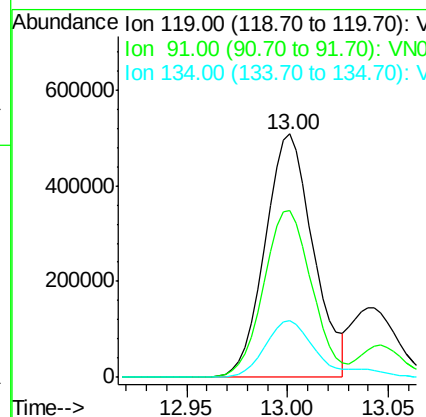
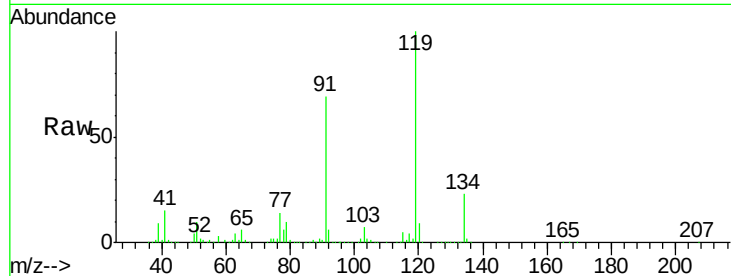
#83
 tert-Butylbenzene
 Concen: 53.448 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.8	101.3
134	23.4	11.6	34.8

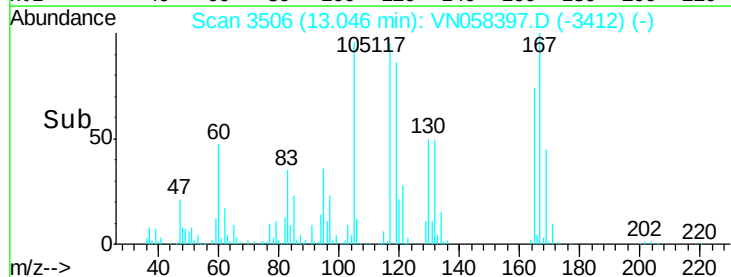
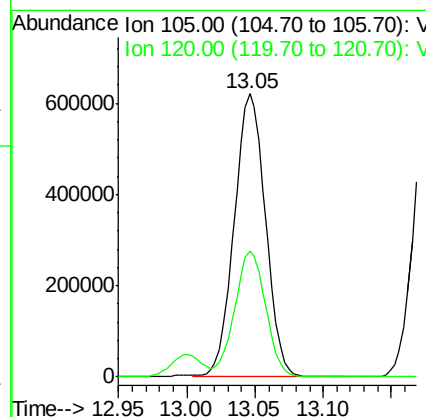
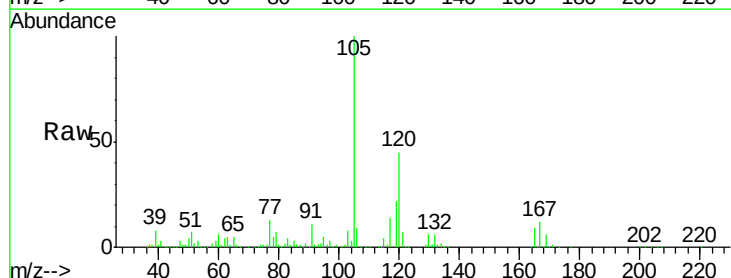
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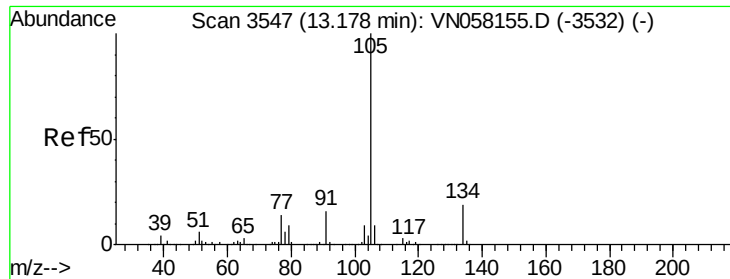
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.800 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 53.659 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1109472

Ion Ratio Lower Upper

105 100

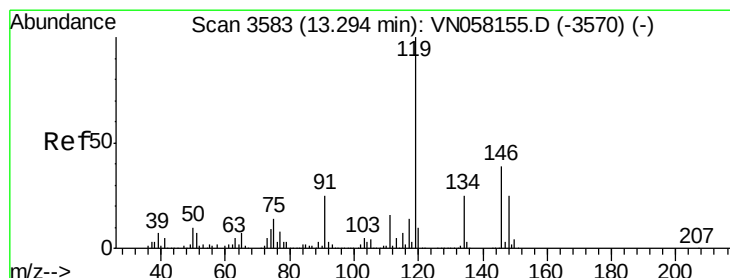
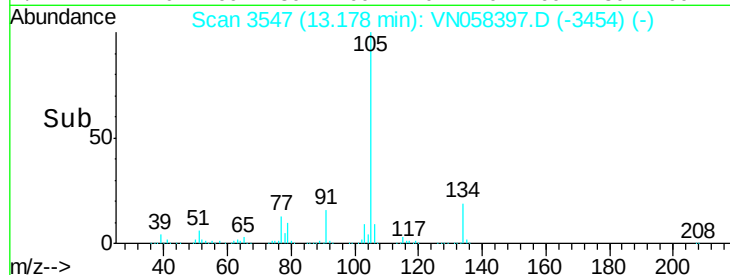
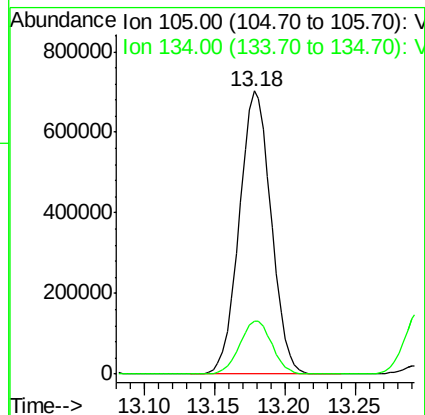
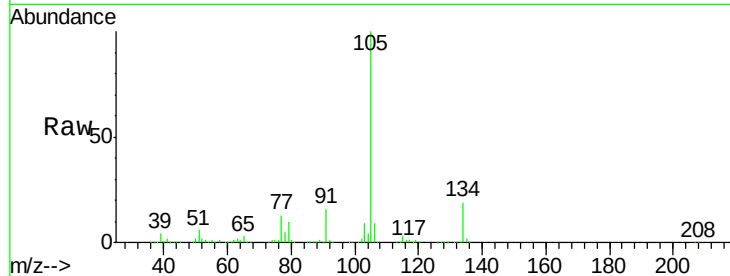
134 19.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 54.004 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

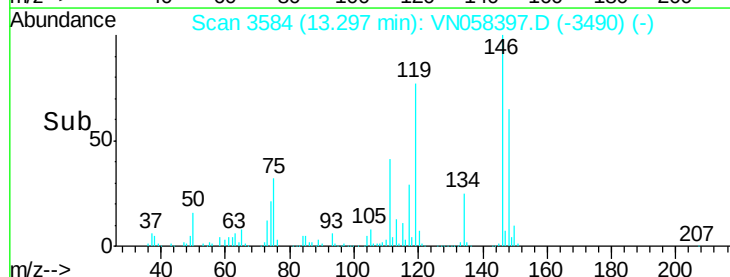
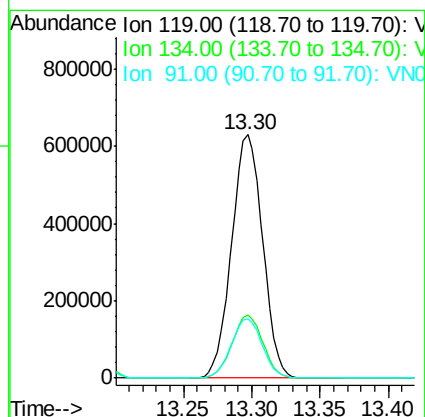
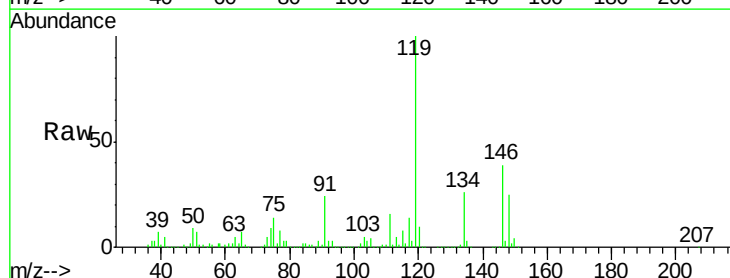
Tgt Ion:119 Resp: 992686

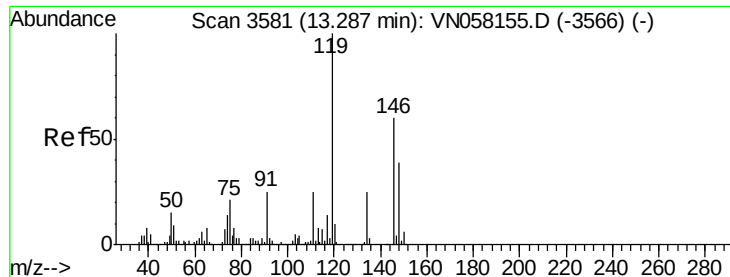
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 52.443 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

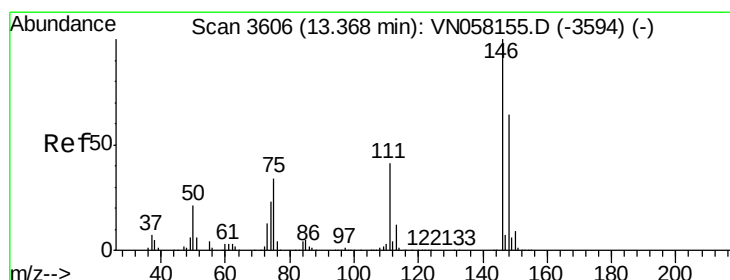
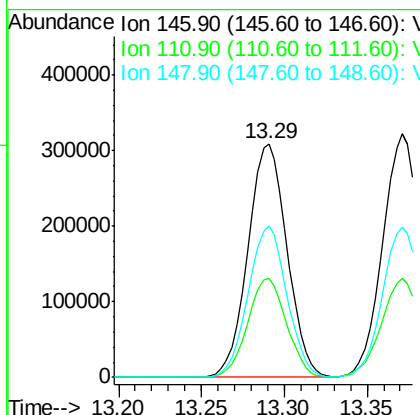
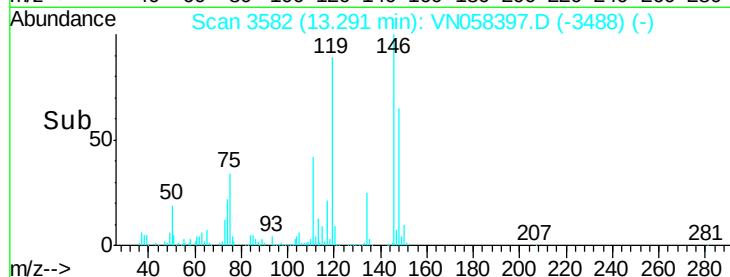
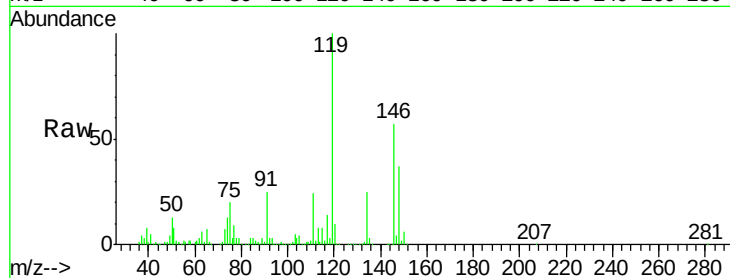
Instrument :
MSVOA_N

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.3	20.9	62.8	
148	64.3	32.0	96.2	

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#88

1,4-Dichlorobenzene

Concen: 52.225 ug/l

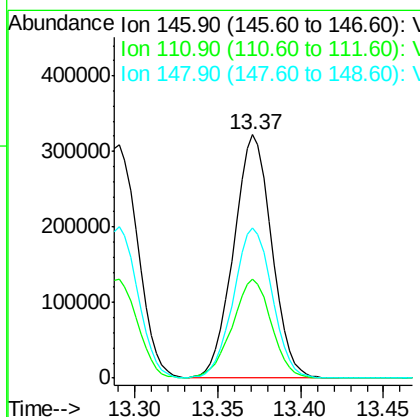
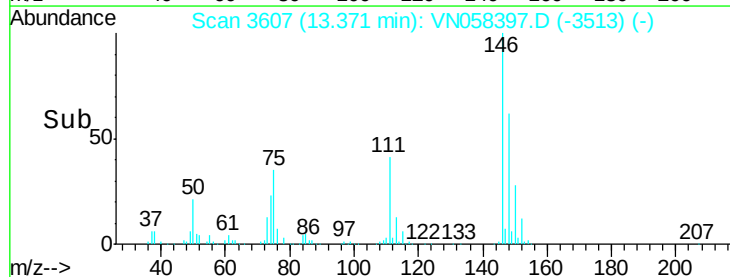
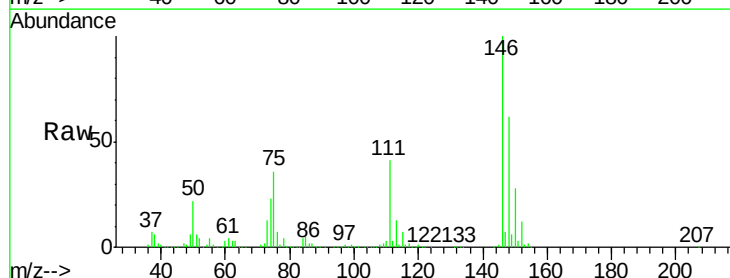
RT: 13.37 min Scan# 3607

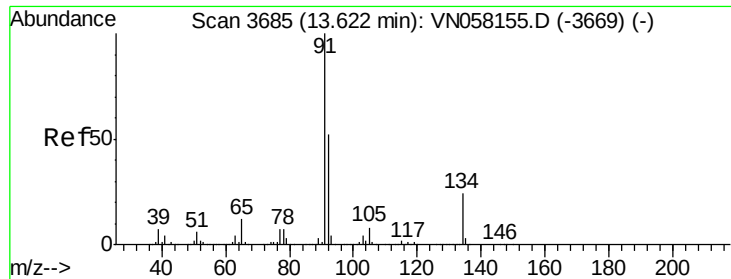
Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	20.5	61.5	
148	62.6	31.9	95.5	





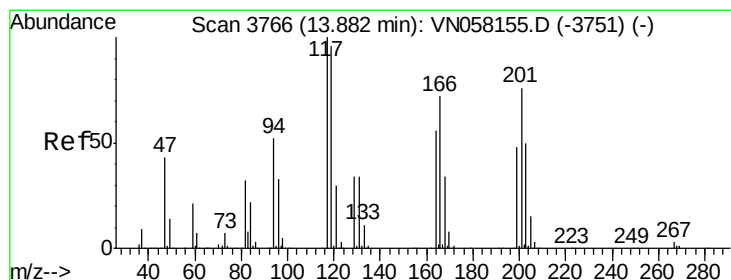
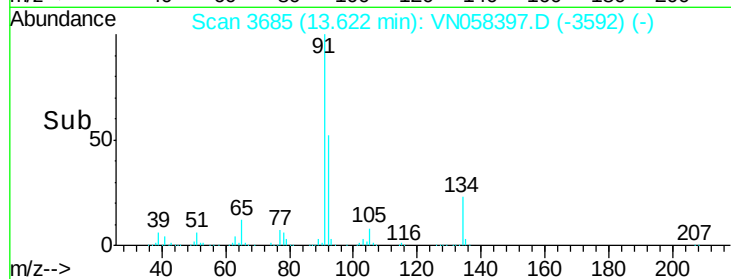
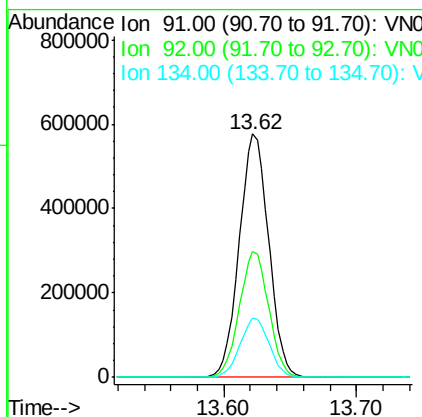
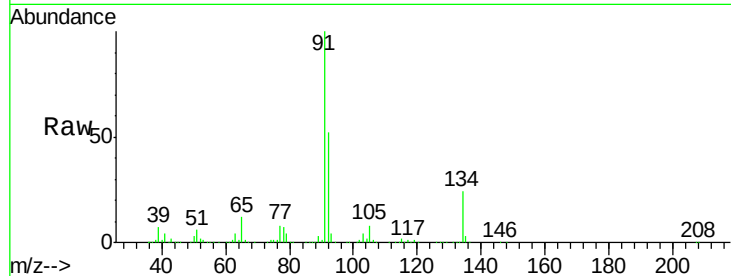
#89
n-Butylbenzene
Concen: 50.941 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.7	77.0
134	24.3	11.8	35.4

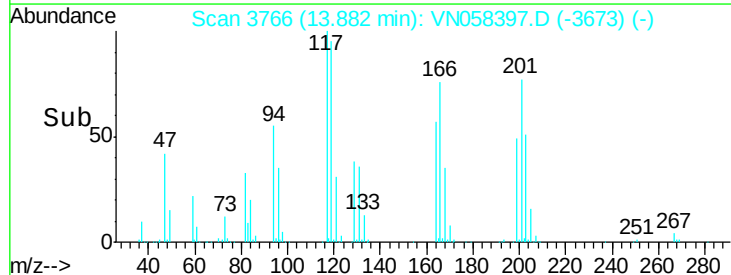
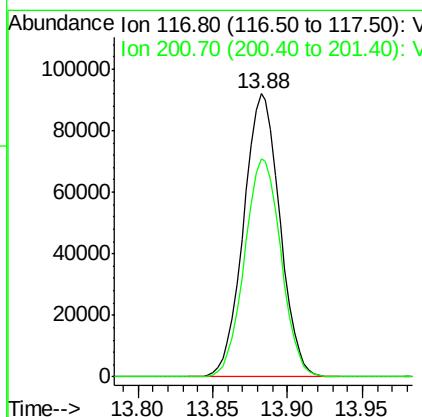
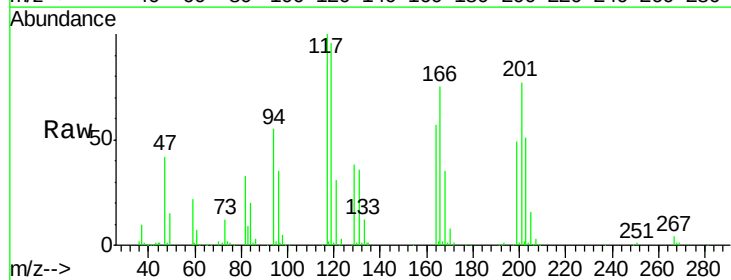
Manual Integrations
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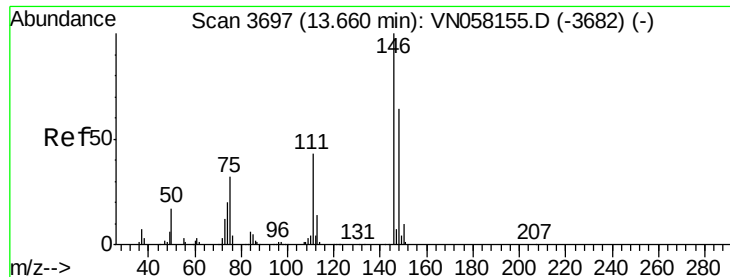
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#90
Hexachloroethane
Concen: 48.295 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	37.5	112.5





#91

1,2-Dichlorobenzene

Concen: 54.012 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

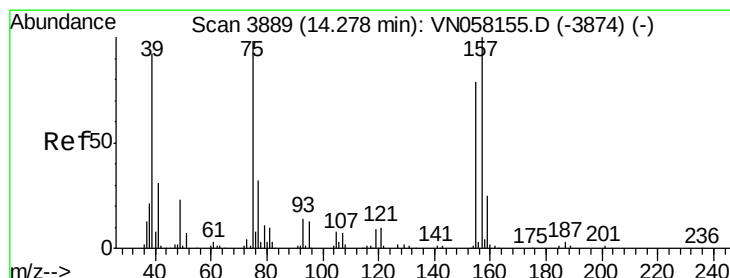
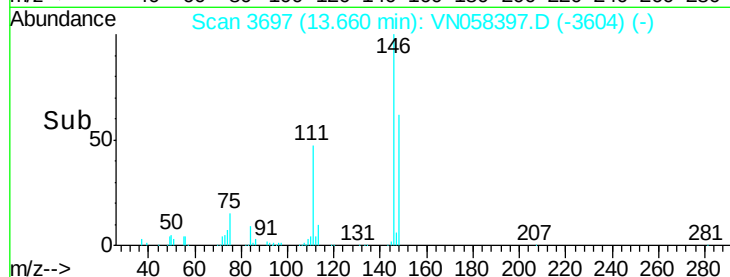
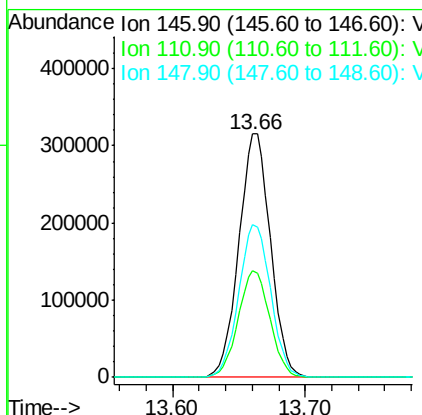
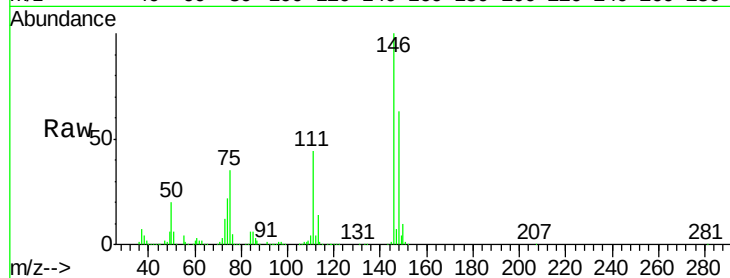
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	521930
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.1
148	63.3	31.8	95.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 60.168 ug/l

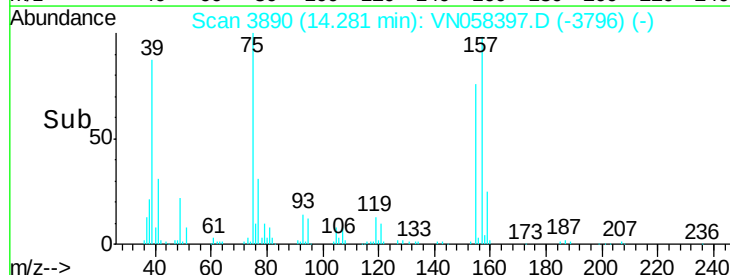
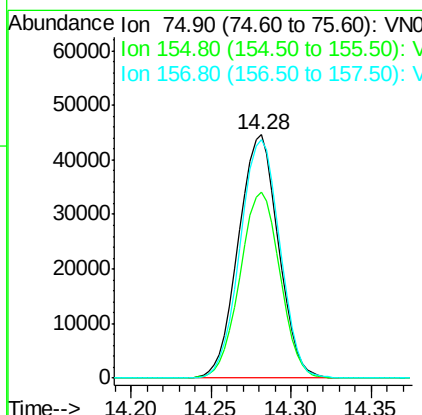
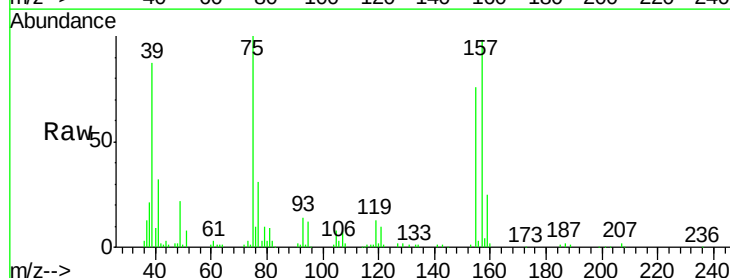
RT: 14.28 min Scan# 3890

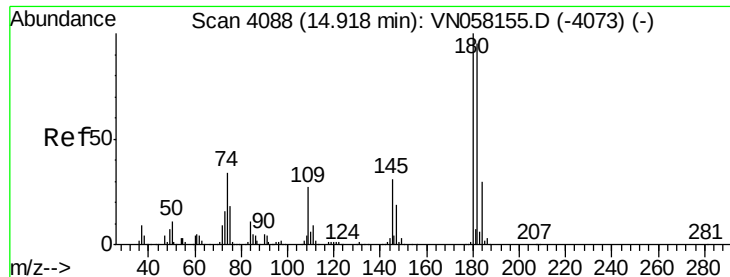
Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion:	75	Resp:	76058
Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.3	114.8
157	97.3	48.0	144.0





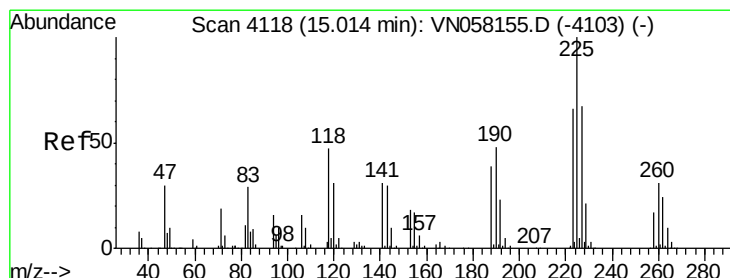
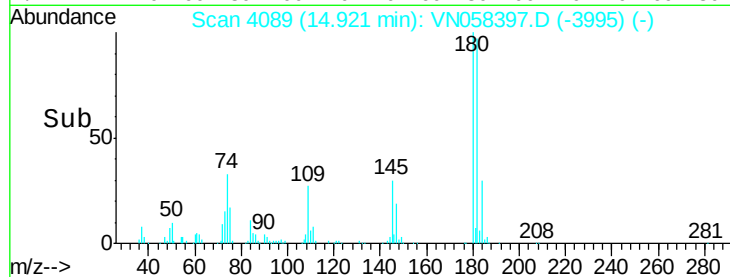
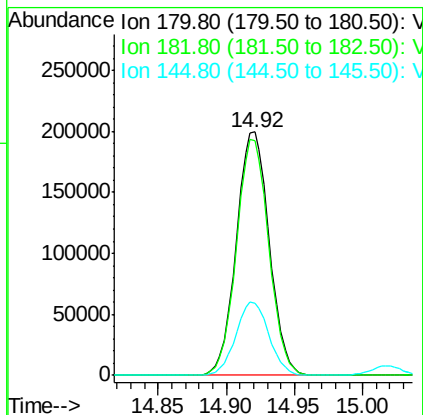
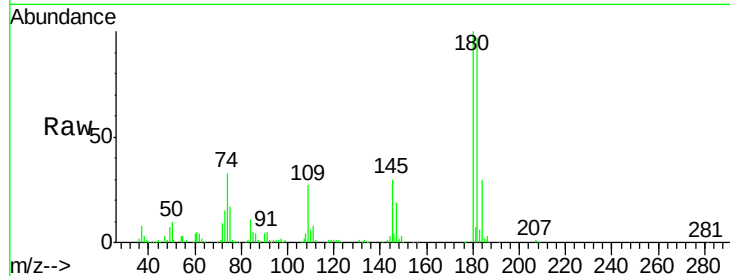
#93
 1,2,4-Trichlorobenzene
 Concen: 54.065 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:180	Resp:	333799
Ion Ratio	Lower	Upper
180 100		
182 95.3	47.8	143.3
145 30.3	15.4	46.4

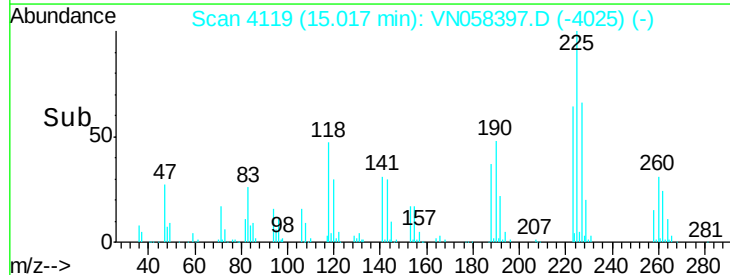
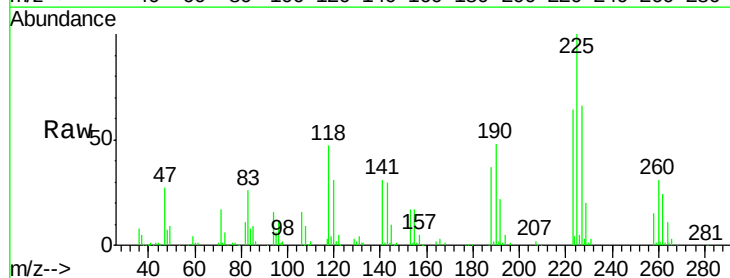
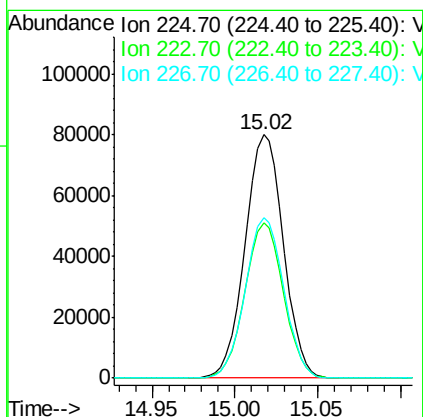
Manual Integrations
 APPROVED

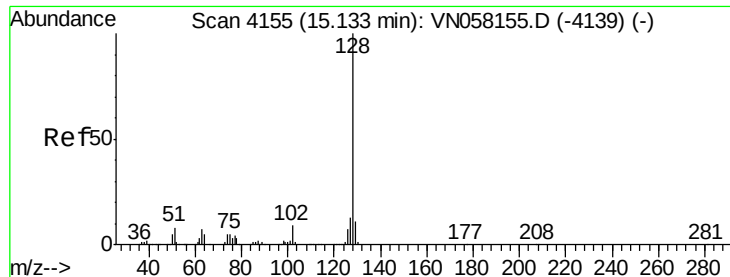
MMDadoda
 9/27/2019 11:20:23 AM



#94
 Hexachlorobutadiene
 Concen: 43.092 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion:225	Resp:	128591
Ion Ratio	Lower	Upper
225 100		
223 64.2	32.6	97.7
227 66.1	33.0	99.0





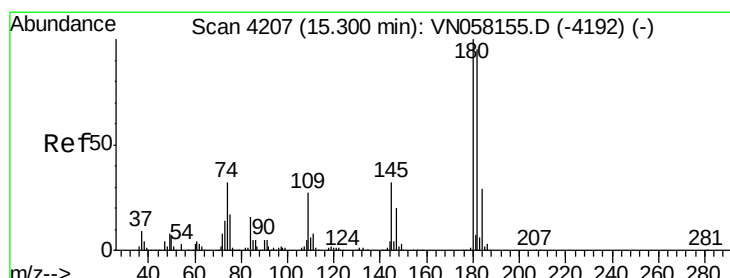
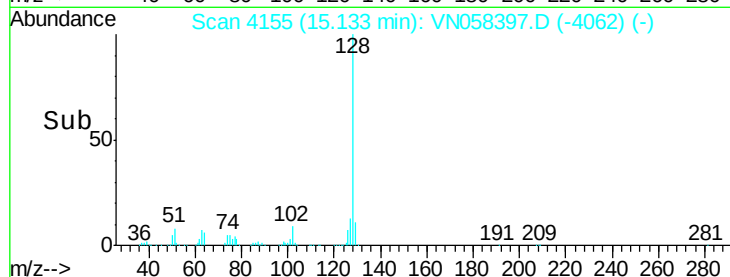
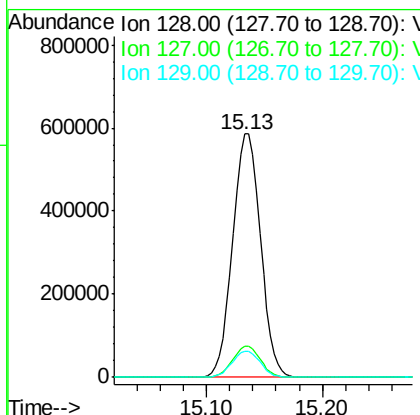
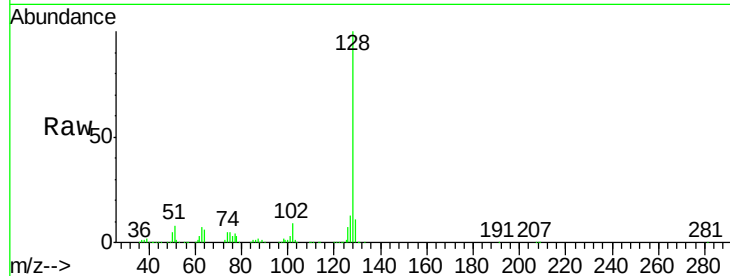
#95
Naphthalene
Concen: 61.004 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	976102		
127	12.7		10.2	15.2
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2019 11:20:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.941 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	308940		
182	96.7		47.4	142.2
145	32.4		16.1	48.2

