

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057511.D
 Acq On : 26 Aug 2019 14:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:34 PM

Quant Time: Aug 27 09:13:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	343037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	634123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	572518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	221291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	317614	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	7.57	113	209998	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.08	98	854468	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.40	95	290259	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	186403	46.048	ug/l	96
3) Chloromethane	2.05	50	251115	43.433	ug/l	100
4) Vinyl Chloride	2.17	62	326090	46.338	ug/l	96
5) Bromomethane	2.55	94	196442	45.297	ug/l	97
6) Chloroethane	2.69	64	208889	46.147	ug/l	96
7) Trichlorofluoromethane	3.00	101	505874	46.311	ug/l	98
8) Diethyl Ether	3.39	74	185551	50.521	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	278955	51.031	ug/l	99
10) Methyl Iodide	3.92	142	200267	44.899	ug/l	99
11) Tert butyl alcohol	4.78	59	161094	214.860	ug/l	96
12) 1,1-Dichloroethene	3.71	96	267885	45.879	ug/l	98
13) Acrolein	3.58	56	215106	326.275	ug/l	100
14) Allyl chloride	4.29	41	352103	45.531	ug/l	96
15) Acrylonitrile	4.97	53	461773	228.379	ug/l	100
16) Acetone	3.79	43	600110	216.548	ug/l	94
17) Carbon Disulfide	4.02	76	442704	39.747	ug/l	100
18) Methyl Acetate	4.30	43	287045	47.958	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	605287	42.944	ug/l	100
20) Methylene Chloride	4.52	84	193791	47.161	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	177978	43.195	ug/l	99
22) Diisopropyl ether	5.93	45	780845	47.134	ug/l	96
23) Vinyl Acetate	5.87	43	2974457	229.874	ug/l	100
24) 1,1-Dichloroethane	5.82	63	402714	45.869	ug/l	99
25) 2-Butanone	6.82	43	710844	236.222	ug/l	100
26) 2,2-Dichloropropane	6.80	77	345833	45.486	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	221055	45.259	ug/l	99
28) Bromochloromethane	7.18	49	218733	46.263	ug/l	96
29) Tetrahydrofuran	7.20	42	460751	232.202	ug/l	99
30) Chloroform	7.36	83	401054	49.237	ug/l	99
31) Cyclohexane	7.63	56	386682	45.617	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	341113	45.293	ug/l	99
36) 1,1-Dichloropropene	7.78	75	297432	45.904	ug/l	100
37) Ethyl Acetate	6.91	43	293888	45.901	ug/l	99
38) Carbon Tetrachloride	7.76	117	274346	42.620	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370167	48.103	ug/l	96
40) Benzene	8.03	78	898371	46.194	ug/l	100
41) Methacrylonitrile	7.16	41	151261	49.545	ug/l	90
42) 1,2-Dichloroethane	8.11	62	345227	46.104	ug/l	100
43) Isopropyl Acetate	8.16	43	519335	44.237	ug/l	99
44) Trichloroethene	8.82	130	201197	46.346	ug/l	99
45) 1,2-Dichloropropane	9.11	63	255318	46.616	ug/l	100
46) Dibromomethane	9.20	93	154978	48.278	ug/l	99
47) Bromodichloromethane	9.39	83	323133	44.720	ug/l	98
48) Methyl methacrylate	9.19	41	258730	46.346	ug/l	97
49) 1,4-Dioxane	9.19	88	61623	853.615	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1509300	230.679	ug/l	99
52) Toluene	10.15	92	543228	48.464	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	349115	46.126	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	377908	44.845	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	210809	46.507	ug/l	99
56) Ethyl methacrylate	10.43	69	339636	47.632	ug/l	99
57) 1,3-Dichloropropane	10.70	76	381214	48.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	556962	278.382	ug/l	98
59) 2-Hexanone	10.75	43	1078673	240.366	ug/l	100
60) Dibromochloromethane	10.90	129	214764	44.834	ug/l	98
61) 1,2-Dibromoethane	11.00	107	212321	47.757	ug/l	98
64) Tetrachloroethene	10.63	164	183296	45.762	ug/l	96
65) Chlorobenzene	11.43	112	538764	46.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	198300	44.677	ug/l	98
67) Ethyl Benzene	11.51	91	1057935	47.227	ug/l	98
68) m/p-Xylenes	11.62	106	740309	97.177	ug/l	100
69) o-Xylene	11.95	106	356894	47.292	ug/l	98
70) Styrene	11.96	104	600533	50.255	ug/l	99
71) Bromoform	12.13	173	130499	43.494	ug/l #	98
73) Isopropylbenzene	12.25	105	987913	50.335	ug/l	99
74) N-amyl acetate	12.07	43	438354	47.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	286809	50.784	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	247618m	50.598	ug/l	
77) Bromobenzene	12.53	156	202245	49.800	ug/l	100
78) n-propylbenzene	12.59	91	1133685	50.380	ug/l	99
79) 2-Chlorotoluene	12.67	91	659192	49.923	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	820703	50.926	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89991	44.790	ug/l	95
82) 4-Chlorotoluene	12.77	91	660421	50.106	ug/l	99
83) tert-Butylbenzene	12.99	119	687401	51.048	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	792339	46.056	ug/l	99
85) sec-Butylbenzene	13.17	105	921694	50.427	ug/l	100
86) p-Isopropyltoluene	13.29	119	781415	45.176	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	326664	45.701	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	316999	45.285	ug/l	99
89) n-Butylbenzene	13.62	91	709008	48.437	ug/l	99
90) Hexachloroethane	13.88	117	153772	47.331	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	323702	47.439	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47110	44.487	ug/l	95

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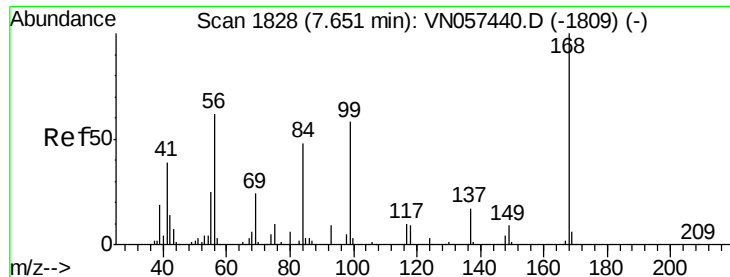
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104381	39.117	ug/l	100
94) Hexachlorobutadiene	15.01	225	92342	53.340	ug/l	98
95) Naphthalene	15.13	128	330703	38.644	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105026	39.292	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 343037

Ion Ratio Lower Upper

168 100

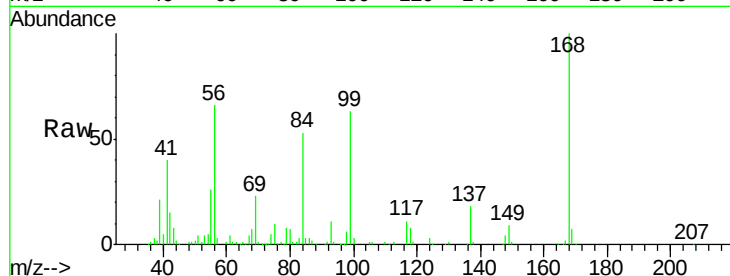
99 62.6 50.6 76.0

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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

150000

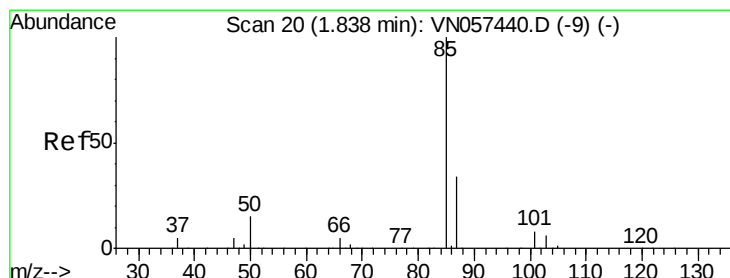
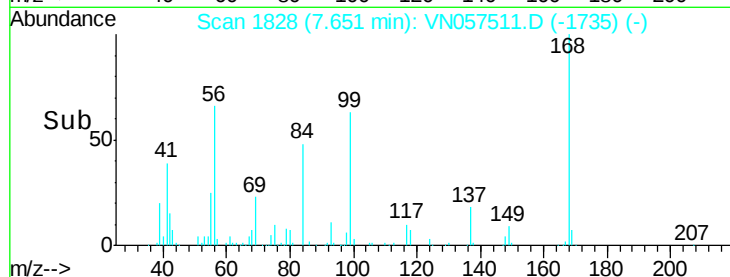
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.048 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057511.D

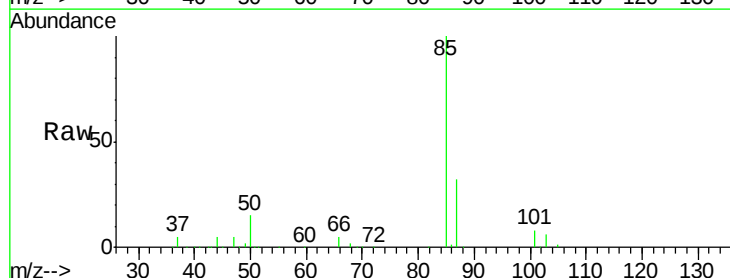
Acq: 26 Aug 2019 14:59

Tgt Ion: 85 Resp: 186403

Ion Ratio Lower Upper

85 100

87 31.7 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

150000

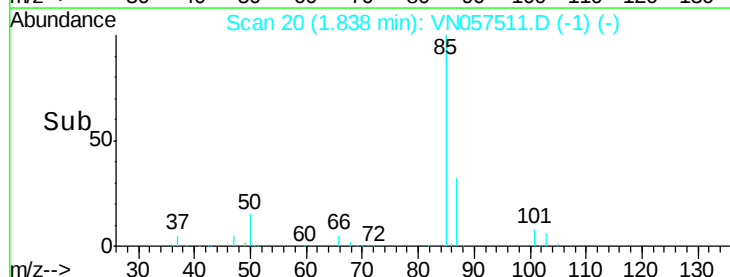
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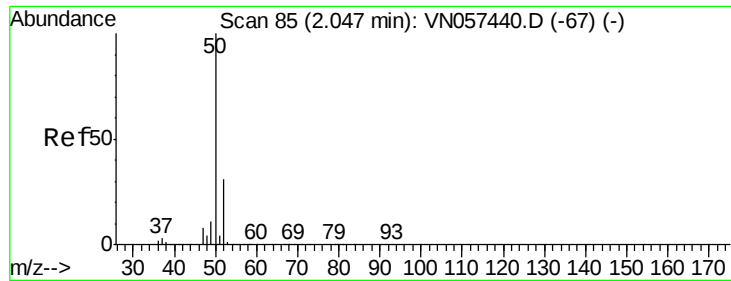
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.433 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 251115

Ion Ratio Lower Upper

50 100

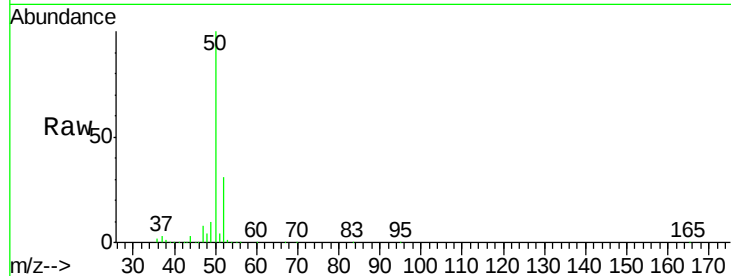
52 31.3 25.1 37.7

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

200000

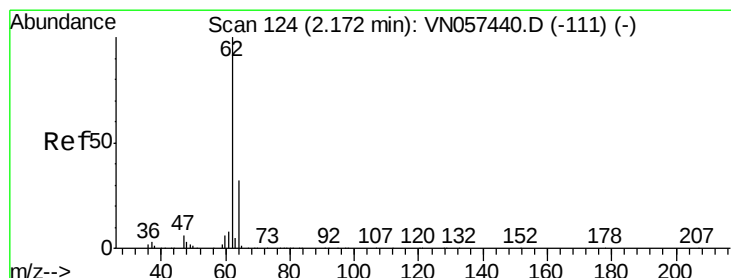
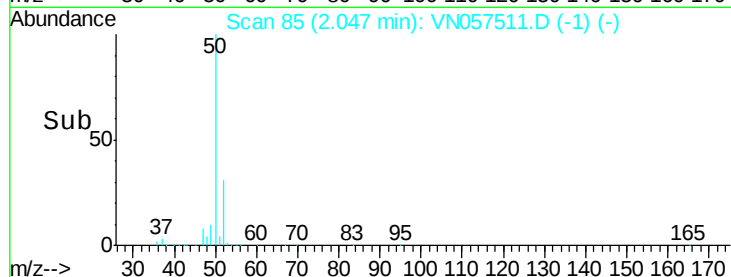
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.338 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057511.D

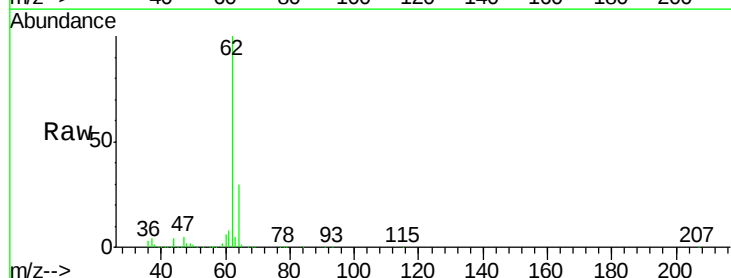
Acq: 26 Aug 2019 14:59

Tgt Ion: 62 Resp: 326090

Ion Ratio Lower Upper

62 100

64 30.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

250000

200000

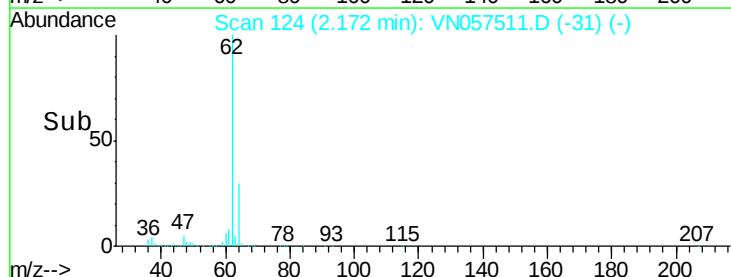
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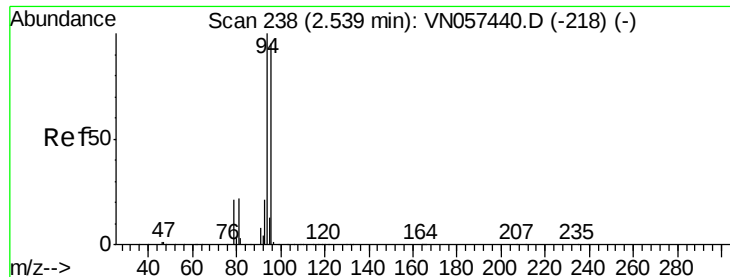
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.297 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 196442

Ion Ratio Lower Upper

94 100

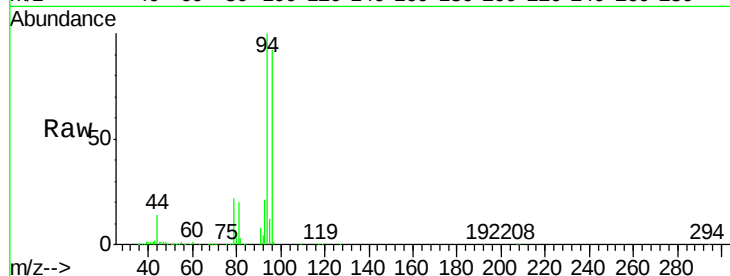
96 92.2 76.2 114.4

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

100000

80000

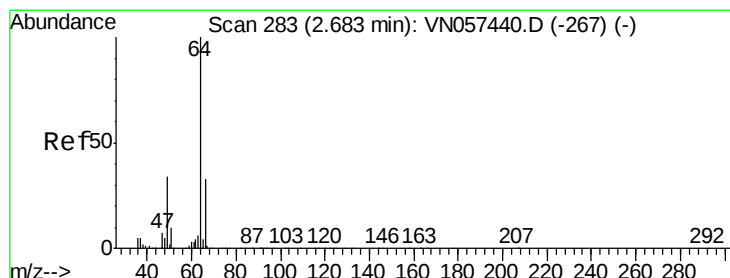
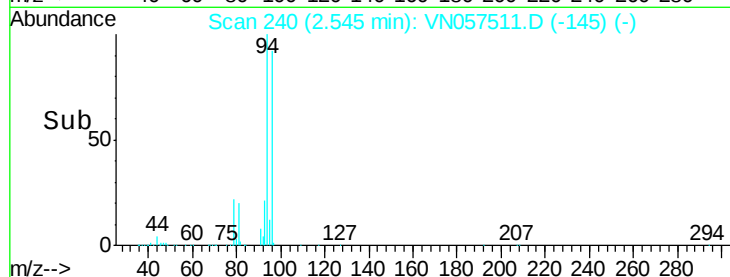
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.147 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057511.D

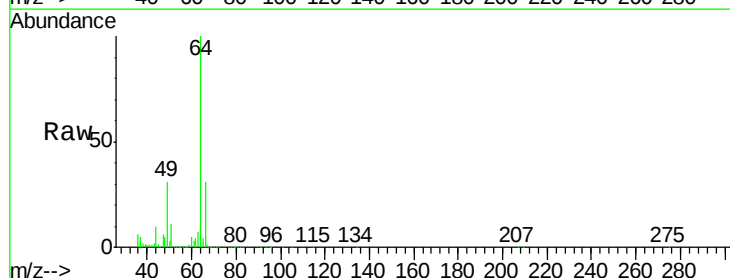
Acq: 26 Aug 2019 14:59

Tgt Ion: 64 Resp: 208889

Ion Ratio Lower Upper

64 100

66 31.3 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.69

120000

100000

80000

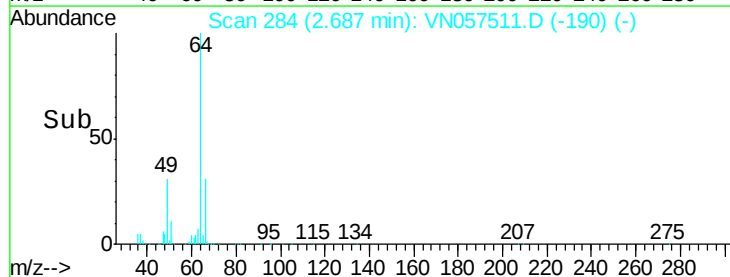
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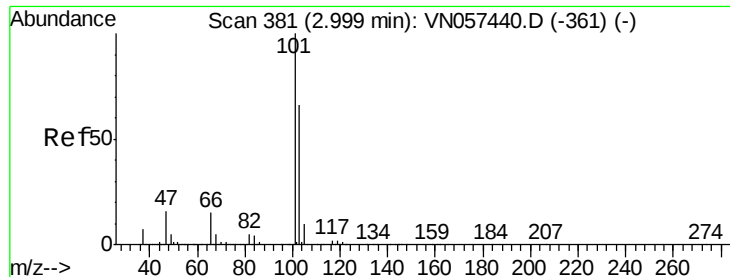
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20000

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Time-->





#7

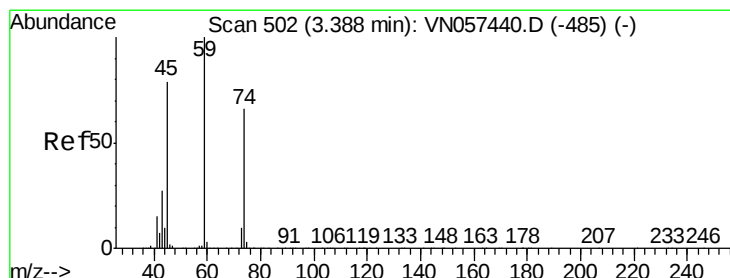
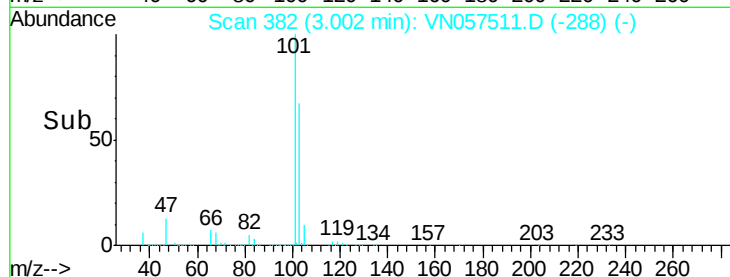
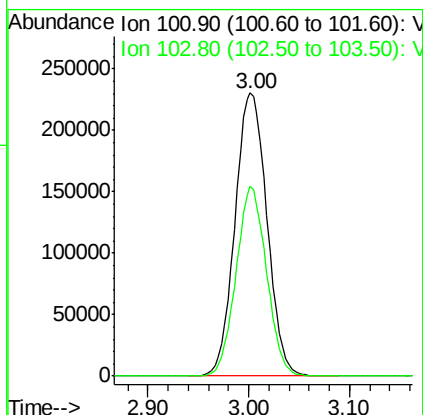
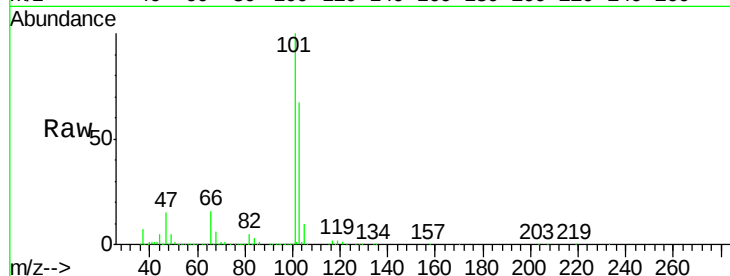
Trichlorofluoromethane
Concen: 46.311 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.6	78.8

Manual Integrations
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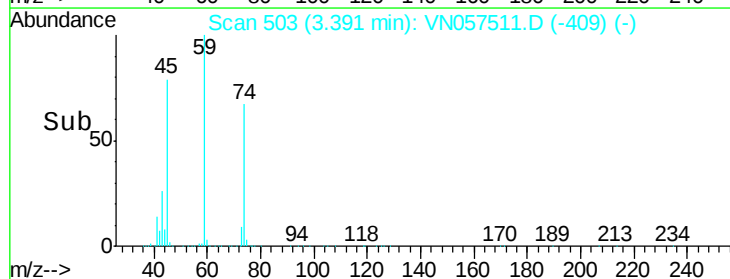
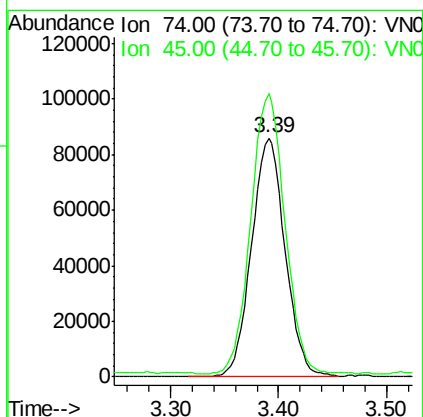
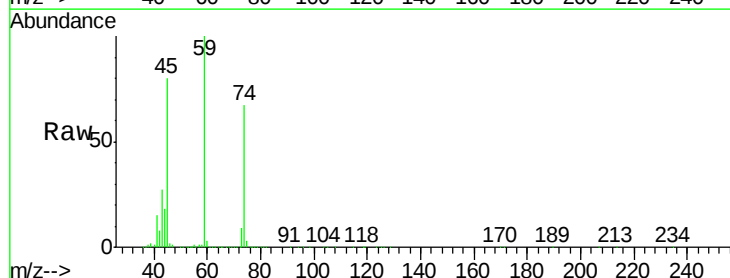
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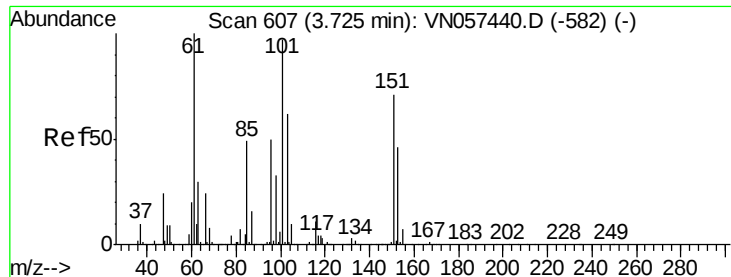


#8

Diethyl Ether
Concen: 50.521 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.031 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

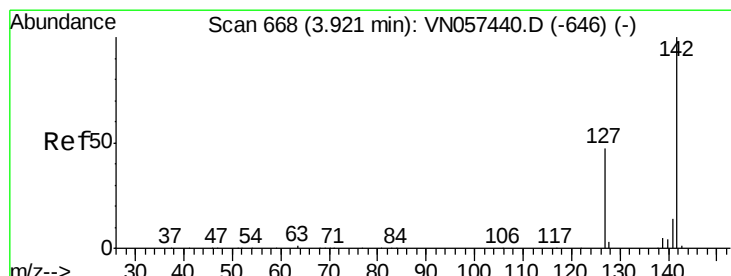
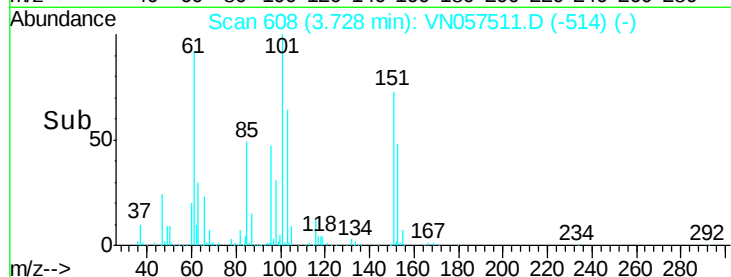
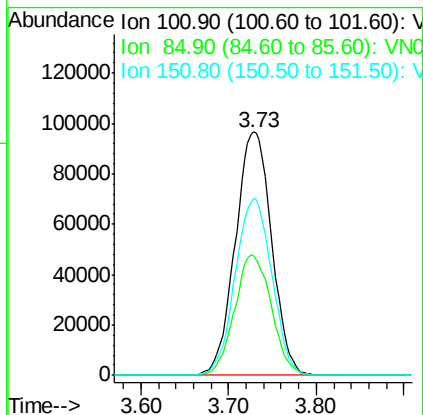
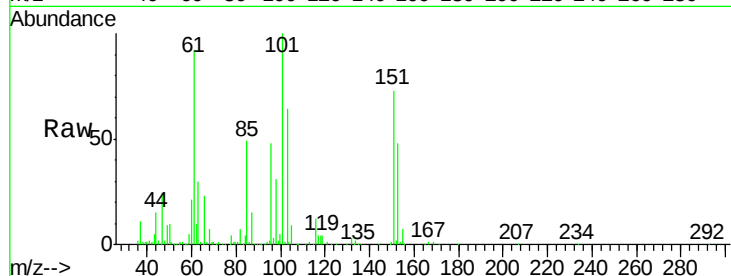
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	278955
Ion Ratio	Lower	Upper	
101	100		
85	50.0	40.0	60.0
151	73.2	57.0	85.6

Manual Integrations
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8/27/2019 5:30:34 PM



#10

Methyl Iodide

Concen: 44.899 ug/l

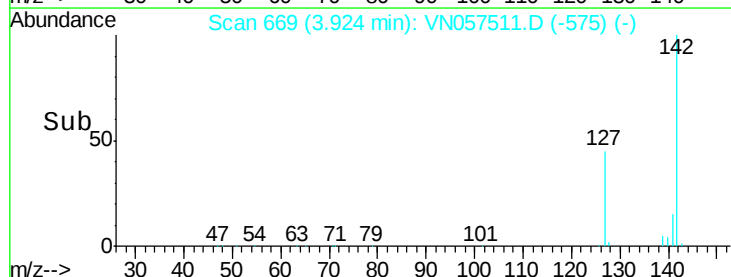
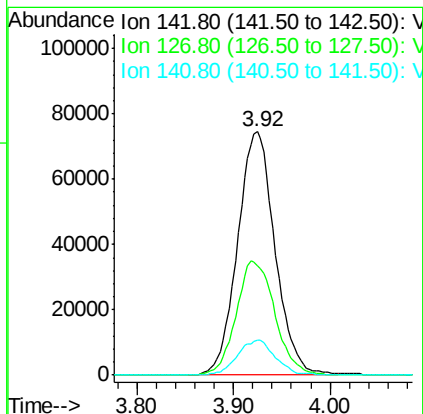
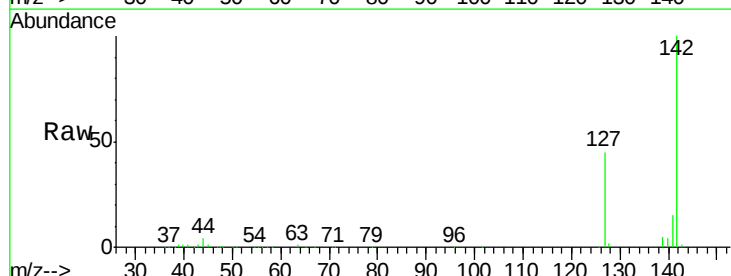
RT: 3.92 min Scan# 669

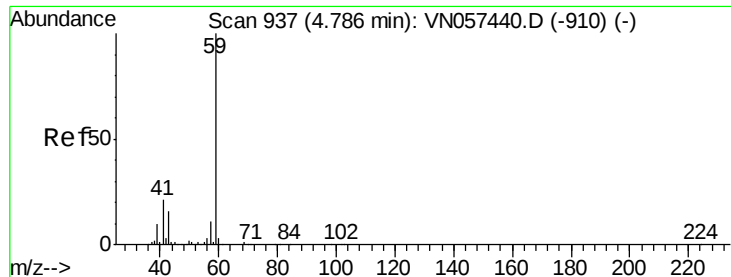
Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Tgt Ion:	142	Resp:	200267
Ion Ratio	Lower	Upper	
142	100		
127	48.5	37.8	56.8
141	14.7	11.9	17.9





#11

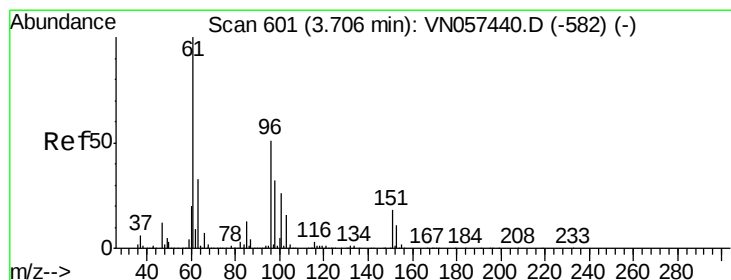
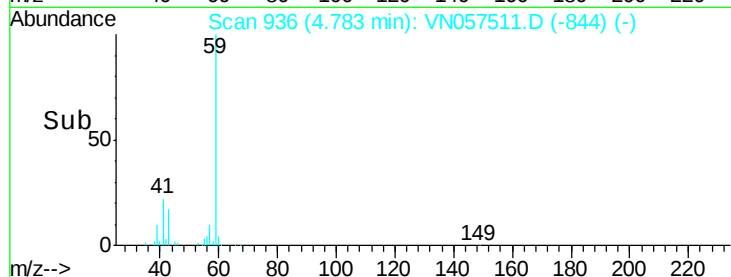
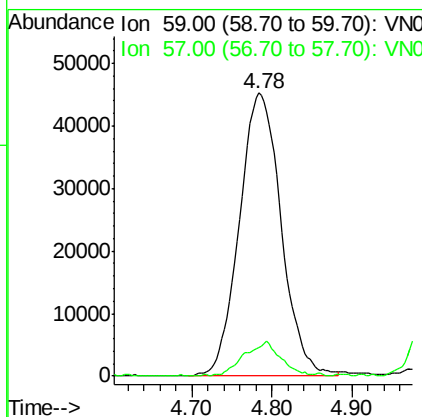
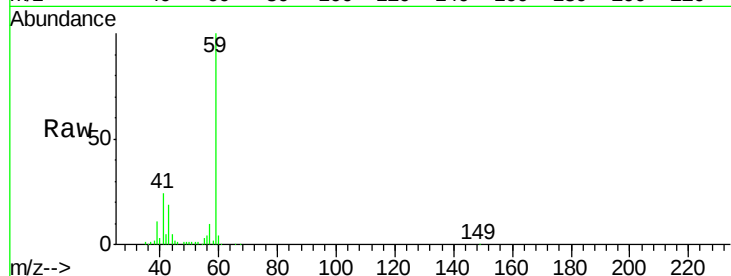
Tert butyl alcohol
Concen: 214.860 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.1	13.7

Manual Integrations
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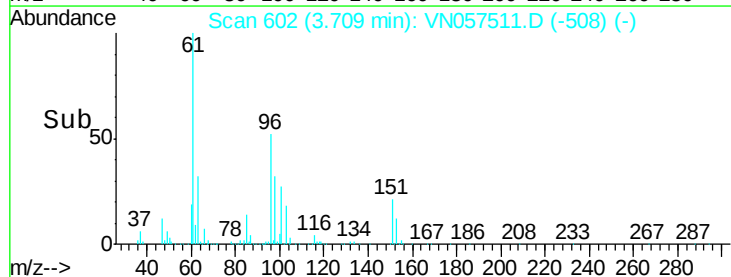
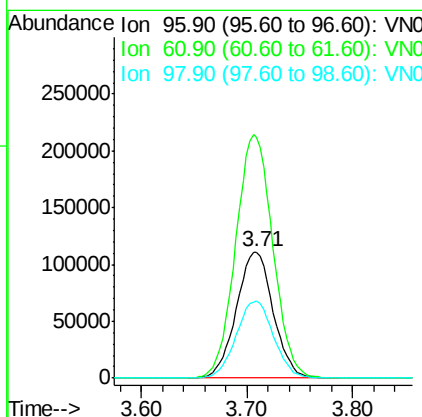
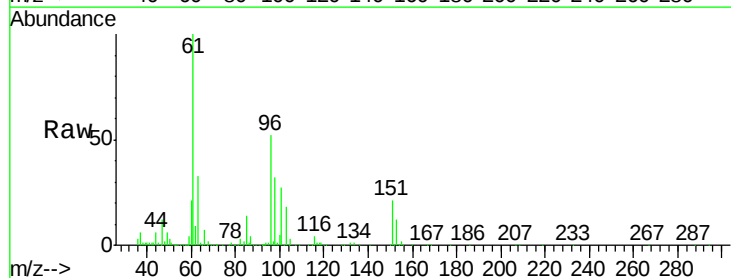
MMDadoda
8/27/2019 5:30:34 PM

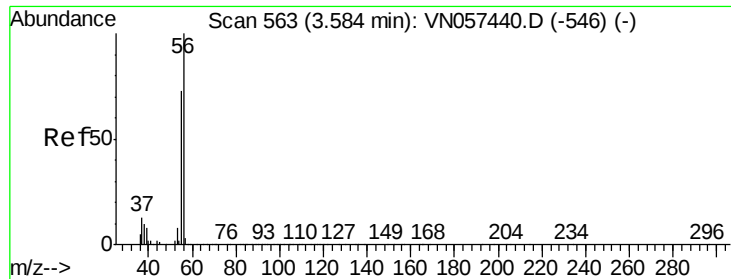


#12

1,1-Dichloroethene
Concen: 45.879 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.0	155.3	232.9
98	60.9	50.2	75.2





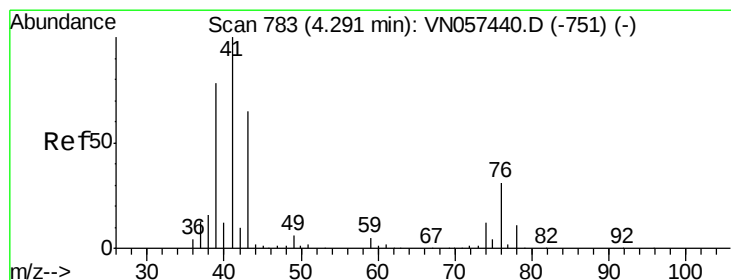
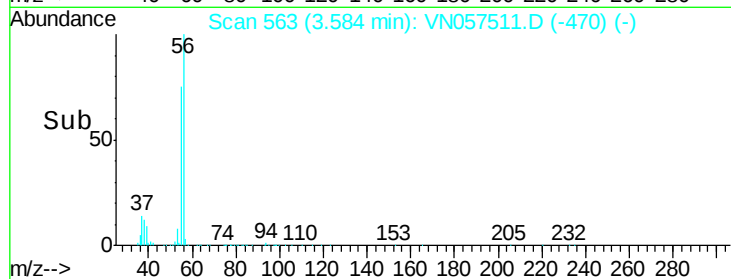
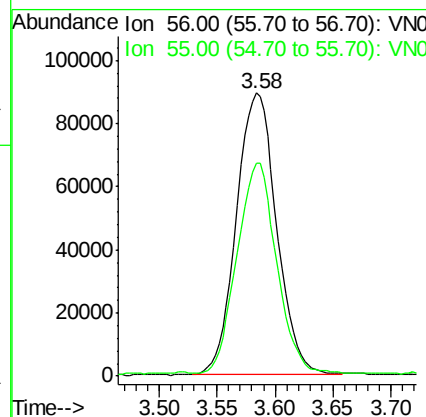
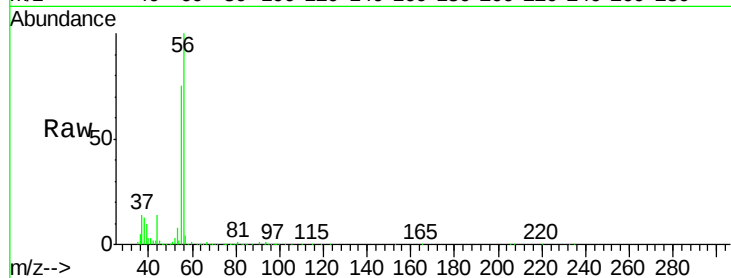
#13
Acrolein
Concen: 326.275 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.6	59.0	88.4

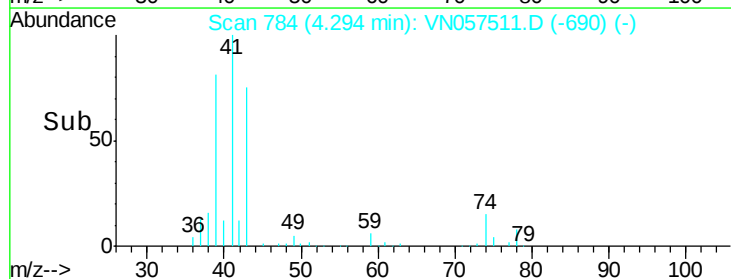
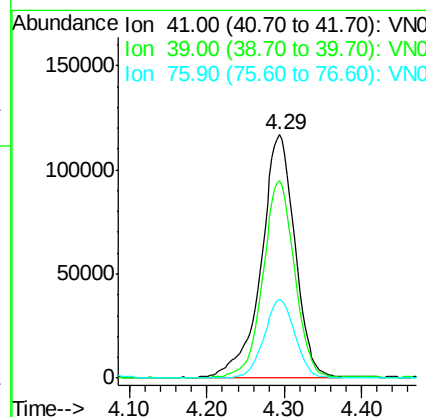
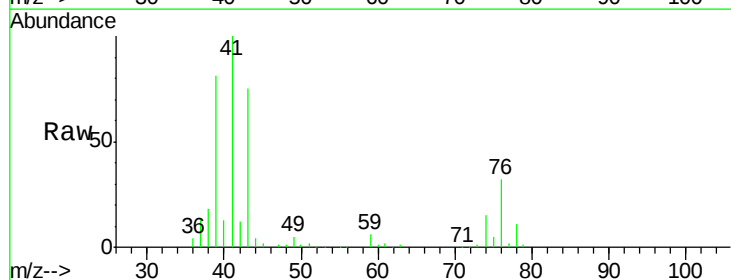
Manual Integrations
APPROVED

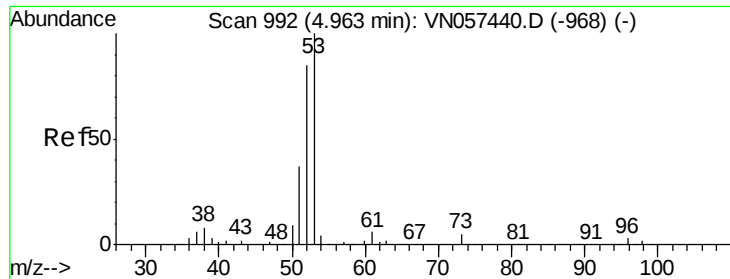
MMDadoda
8/27/2019 5:30:34 PM



#14
Allyl chloride
Concen: 45.531 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	75.9	57.4	86.2
76	76	29.7	22.9	34.3





#15

Acrylonitrile

Concen: 228.379 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

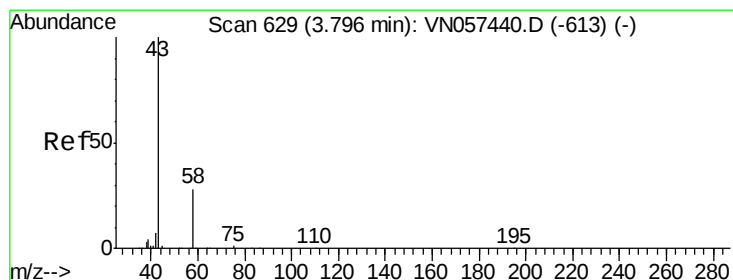
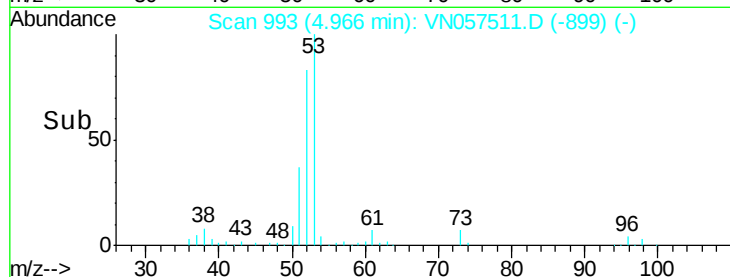
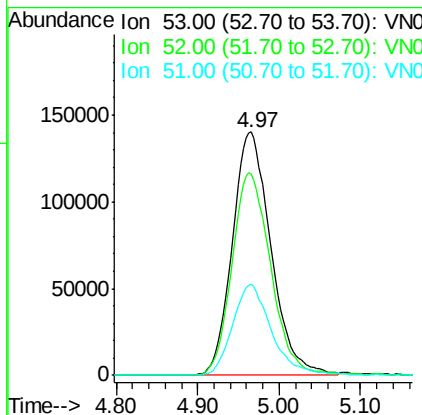
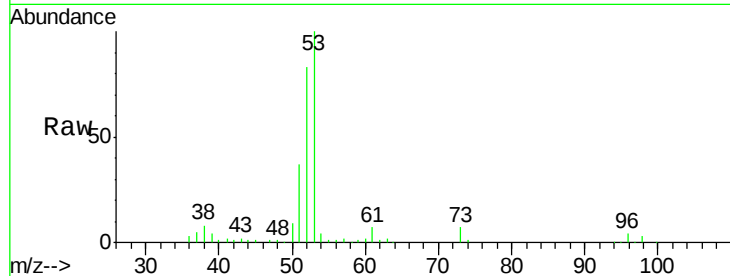
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	461773
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.0	100.6
51	37.7	29.9	44.9

Manual Integrations
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8/27/2019 5:30:34 PM



#16

Acetone

Concen: 216.548 ug/l

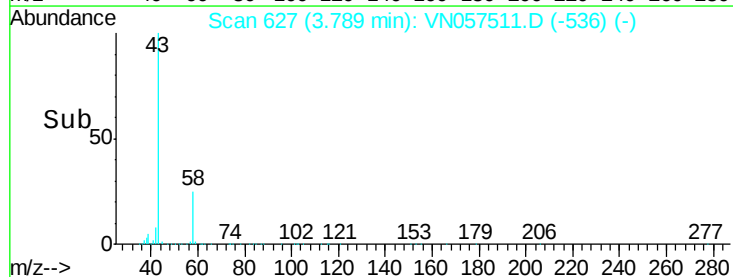
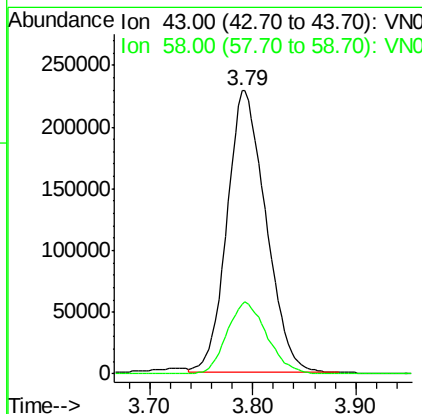
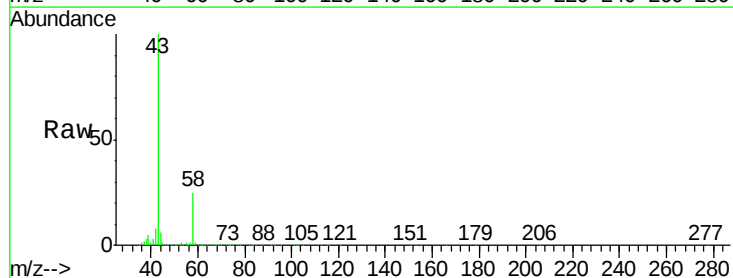
RT: 3.79 min Scan# 627

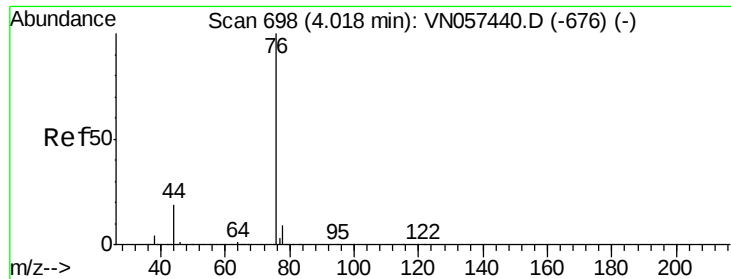
Delta R.T. -0.01 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Tgt Ion:	43	Resp:	600110
Ion	Ratio	Lower	Upper
43	100		
58	24.5	22.1	33.1





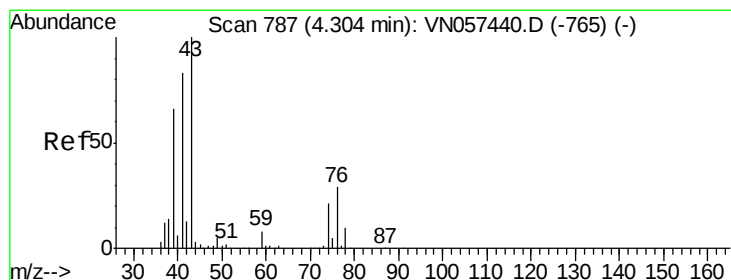
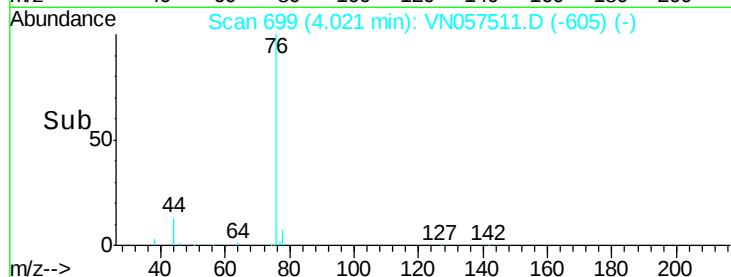
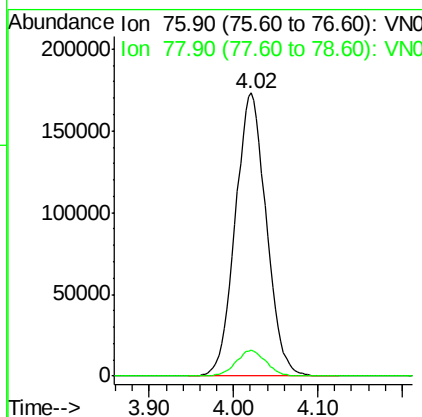
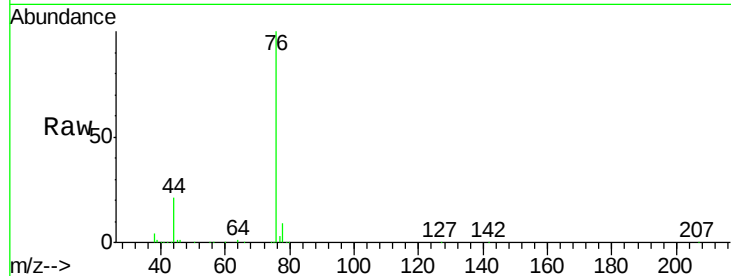
#17
Carbon Disulfide
Concen: 39.747 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

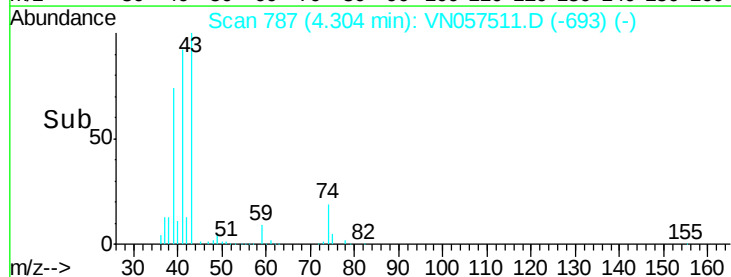
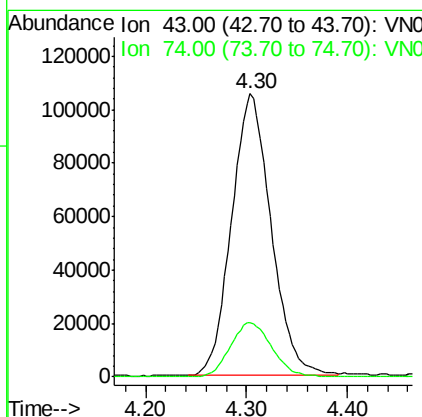
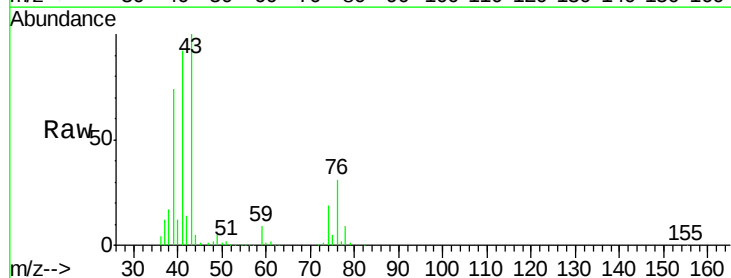
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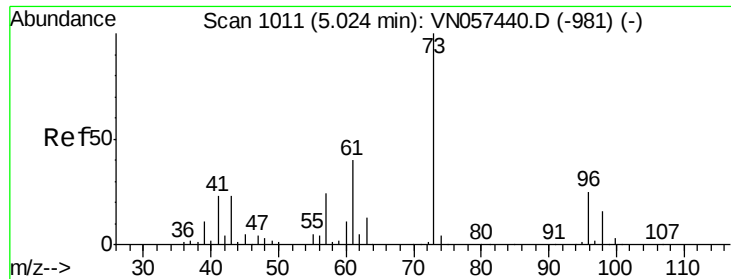
MMDadoda
8/27/2019 5:30:34 PM



#18
Methyl Acetate
Concen: 47.958 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	15.9	23.9





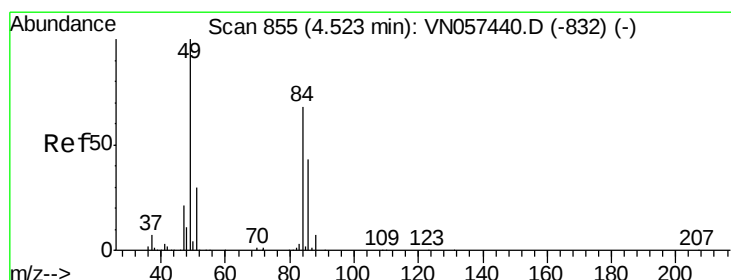
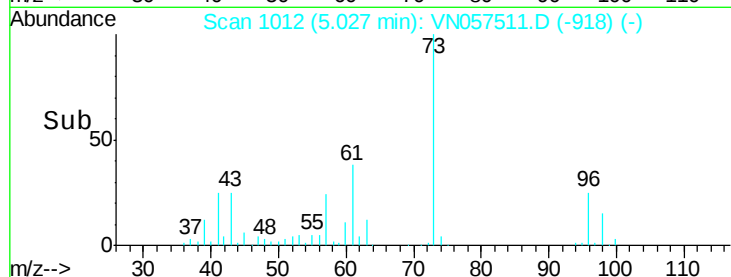
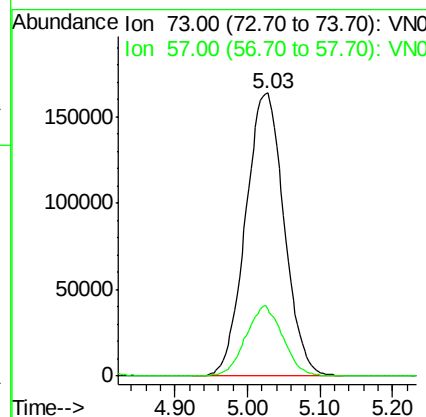
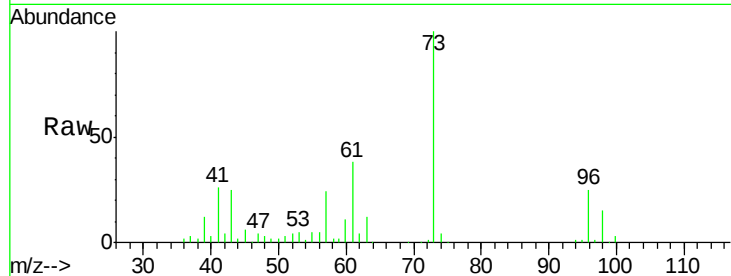
#19
Methvl tert-butvl Ether
Concen: 42.944 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 605287
Ion Ratio Lower Upper
73 100
57 23.7 19.1 28.7

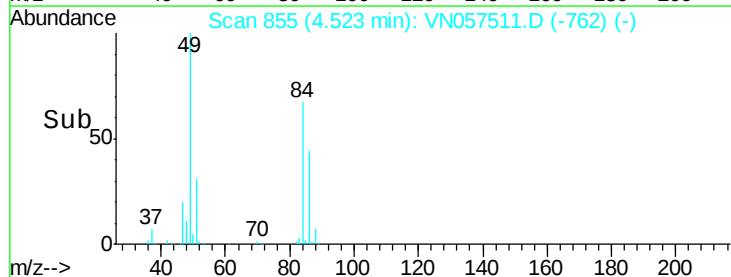
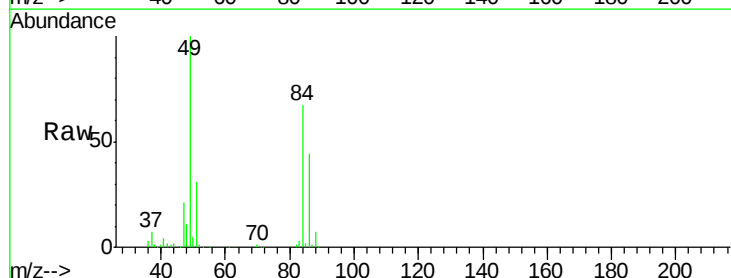
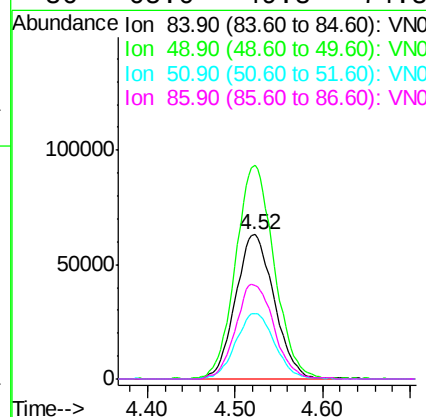
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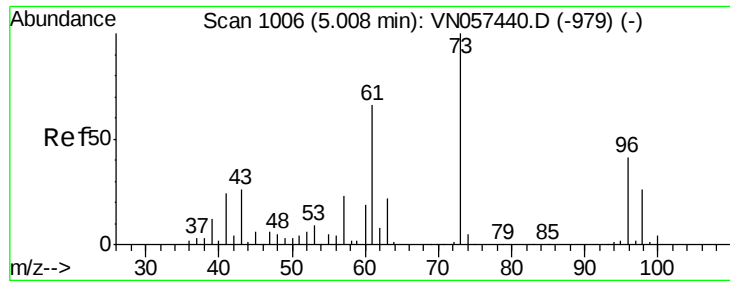
MMDadoda
8/27/2019 5:30:34 PM



#20
Methylene Chloride
Concen: 47.161 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion: 84 Resp: 193791
Ion Ratio Lower Upper
84 100
49 147.7 117.0 175.4
51 45.4 35.5 53.3
86 65.0 49.8 74.8





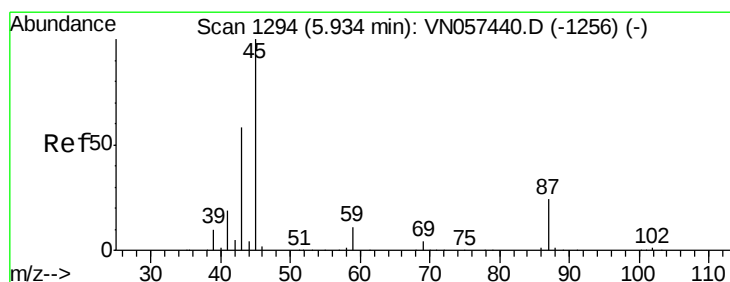
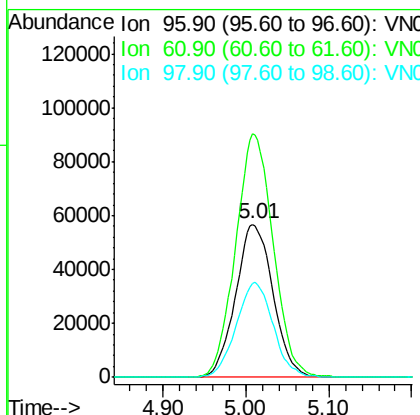
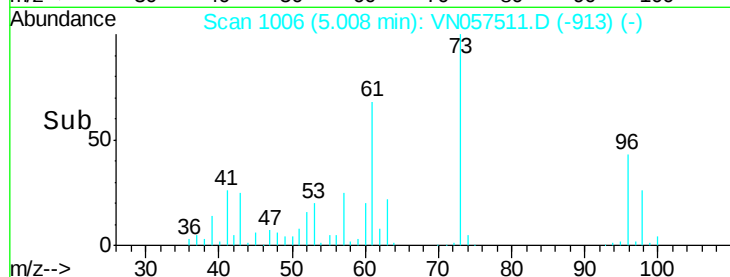
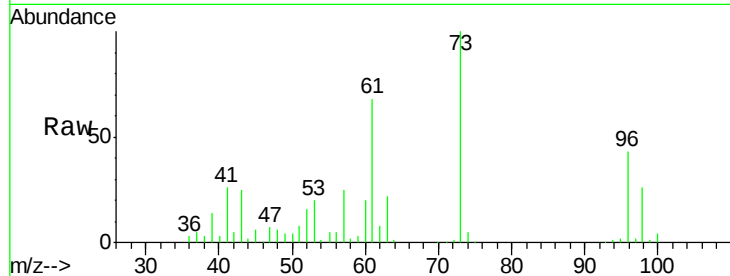
#21
trans-1,2-Dichloroethene
Concen: 43.195 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	127.9	191.9
98	61.4	50.6	76.0

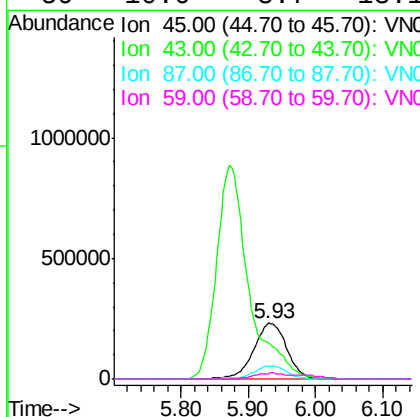
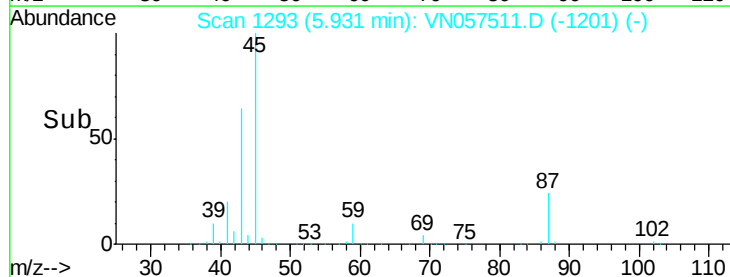
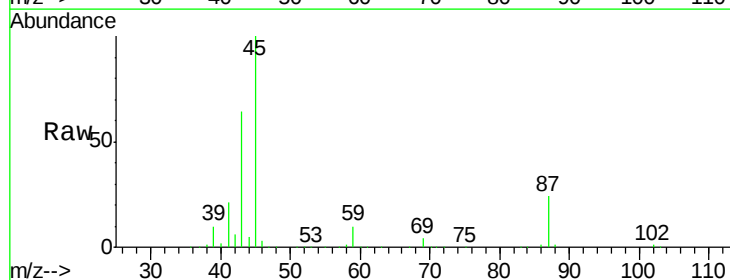
Manual Integrations
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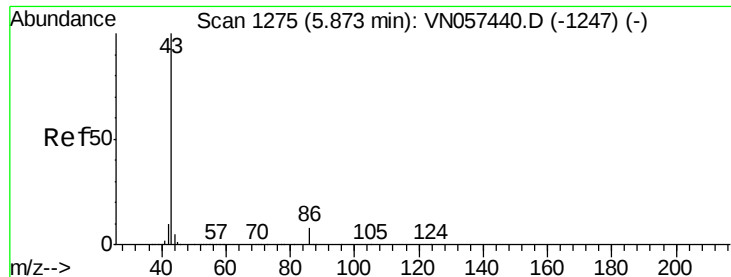
MMDadoda
8/27/2019 5:30:34 PM



#22
Diisopropyl ether
Concen: 47.134 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	46.9	70.3
87	23.7	19.3	28.9
59	10.0	8.7	13.1





#23

Vinyl Acetate

Concen: 229.874 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2974457

Ion Ratio Lower Upper

43 100

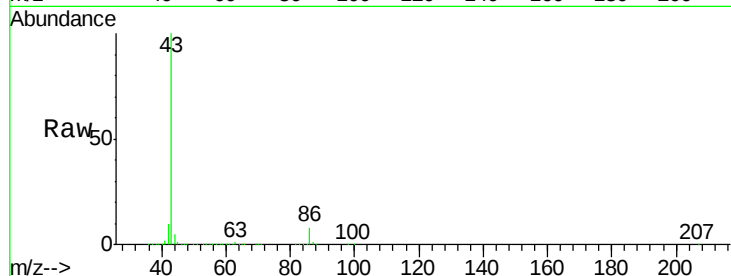
86 8.2 6.7 10.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

800000

600000

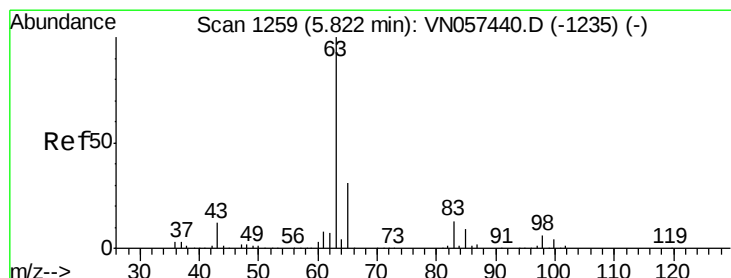
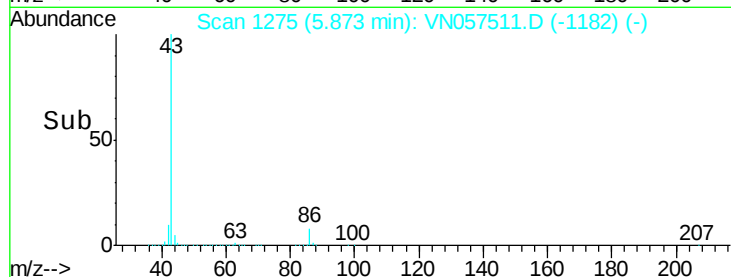
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 45.869 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

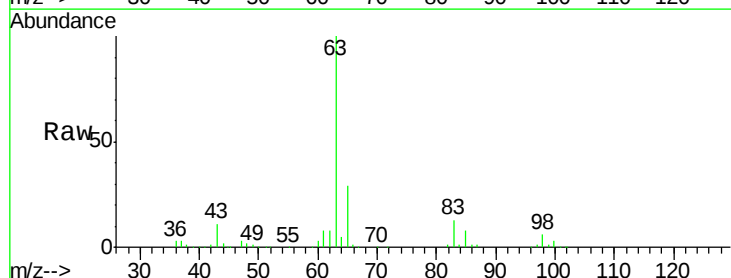
Tgt Ion: 63 Resp: 402714

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

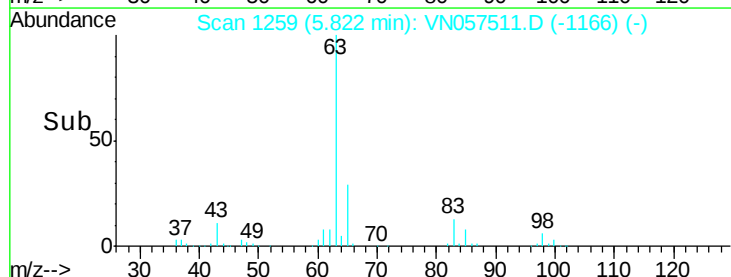
100000

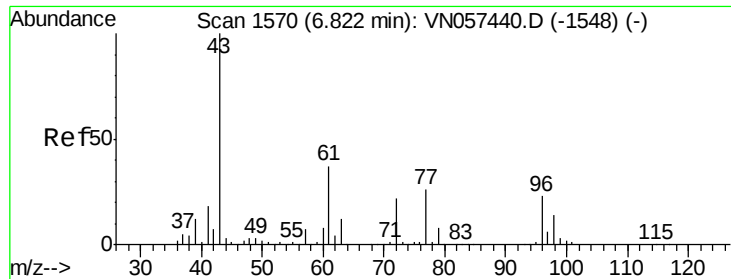
50000

0

Time-->

5.70 5.80 5.90





#25

2-Butanone

Concen: 236.222 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 710844

Ion Ratio Lower Upper

43 100

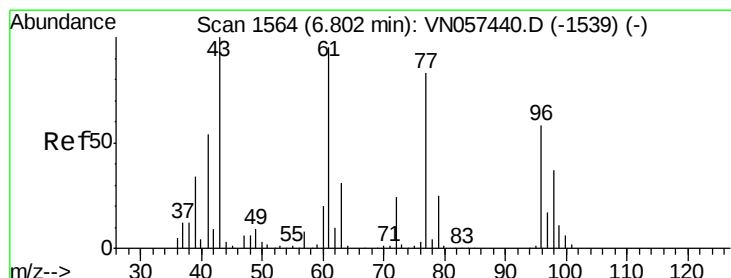
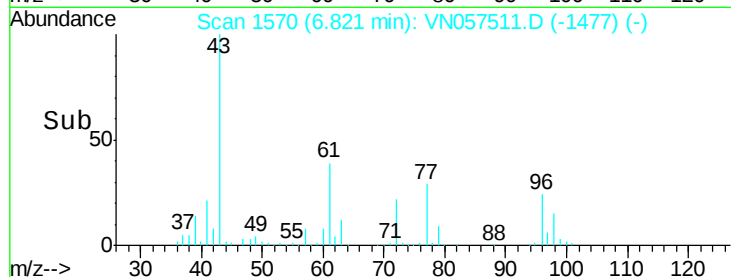
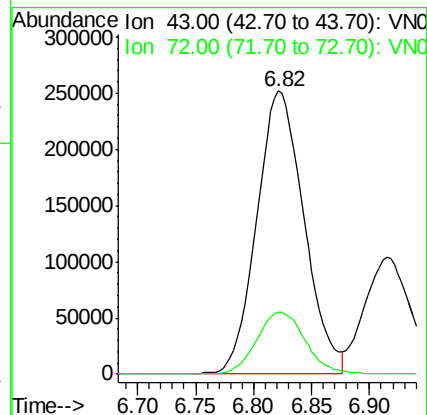
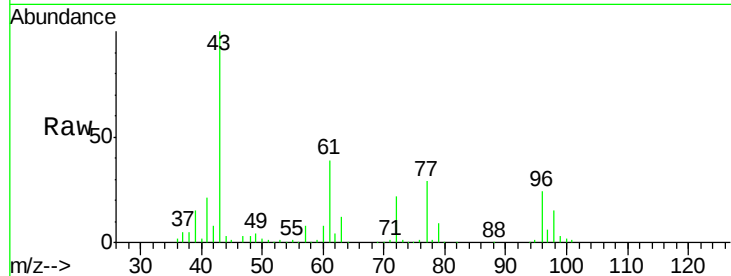
72 22.1 17.8 26.8

Manual Integrations

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MMDadoda

8/27/2019 5:30:34 PM



#26

2,2-Dichloropropane

Concen: 45.486 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057511.D

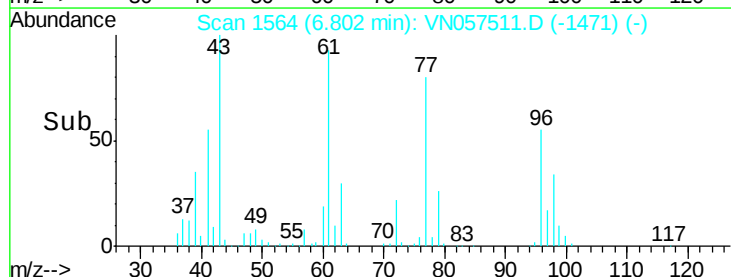
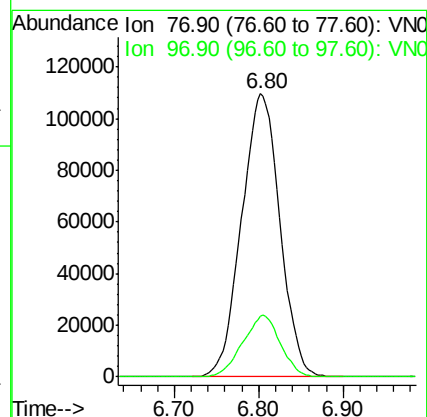
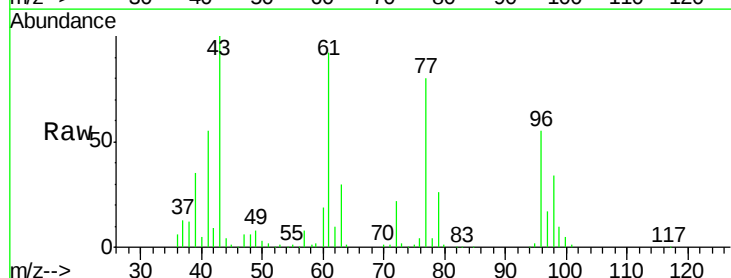
Acq: 26 Aug 2019 14:59

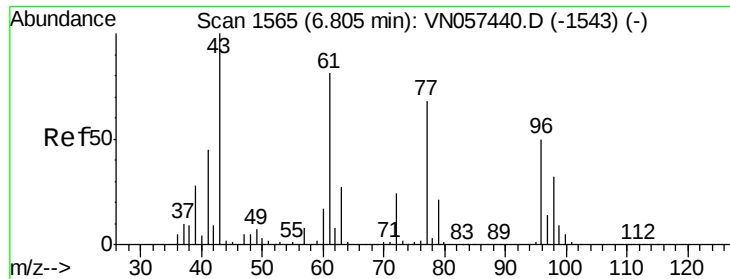
Tgt Ion: 77 Resp: 345833

Ion Ratio Lower Upper

77 100

97 21.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 45.259 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

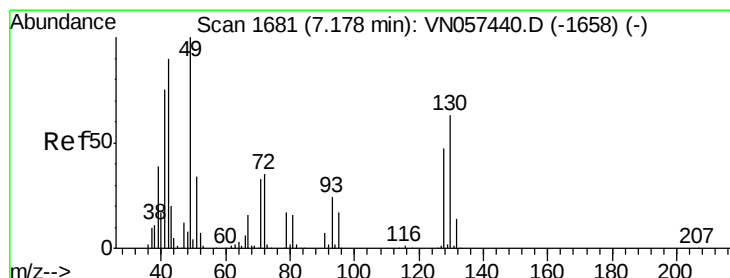
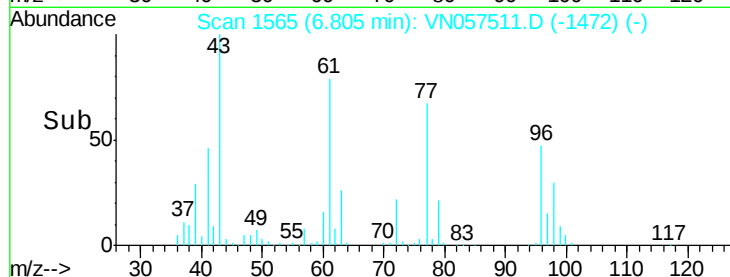
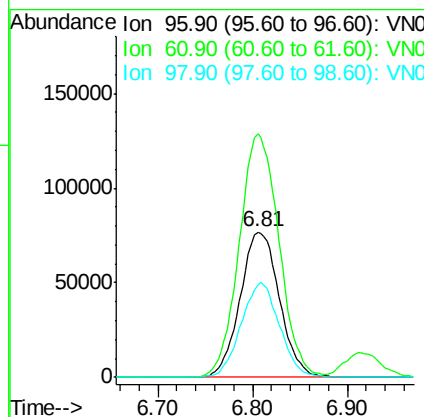
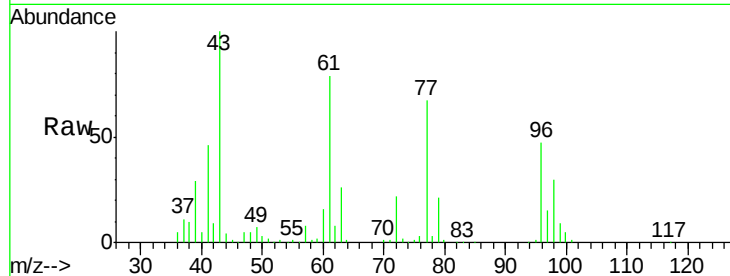
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	221055
Ion Ratio	Lower	Upper	
96	100		
61	169.7	0.0	334.8
98	63.7	0.0	127.4

Manual Integrations
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8/27/2019 5:30:34 PM



#28

Bromochloromethane

Concen: 46.263 ug/l

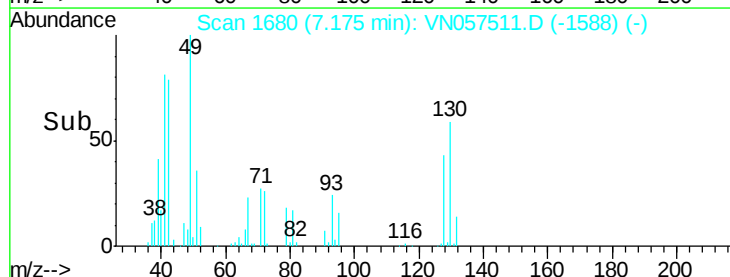
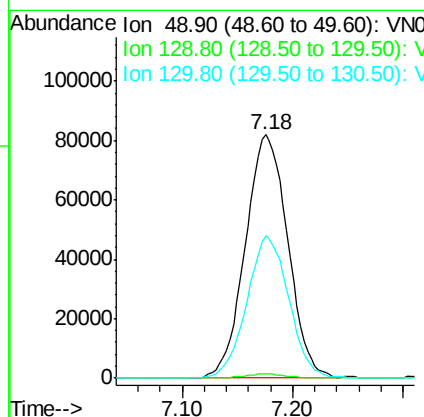
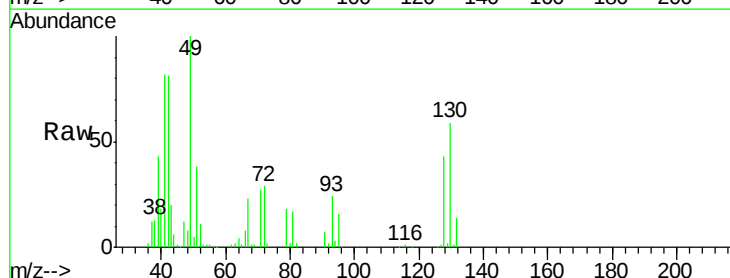
RT: 7.18 min Scan# 1680

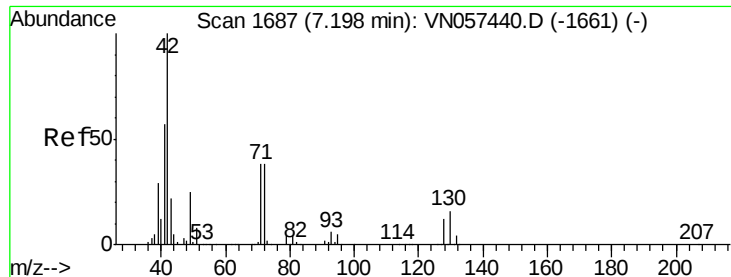
Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Tgt Ion:	49	Resp:	218733
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	57.8	48.6	72.8





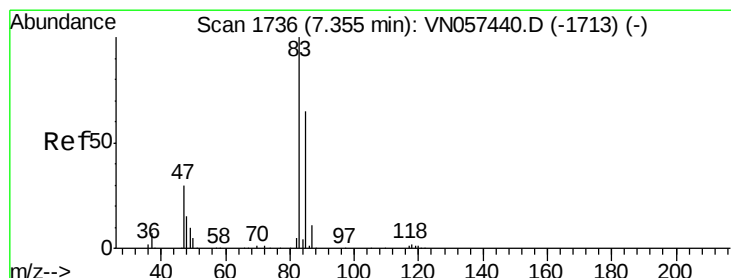
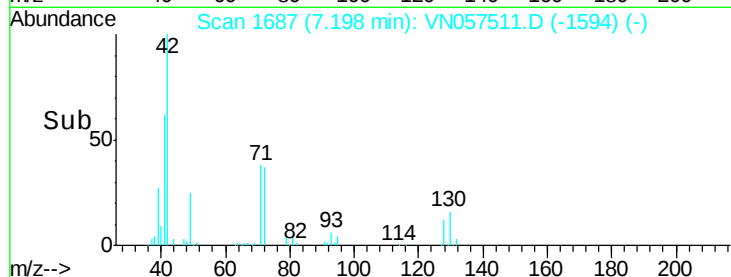
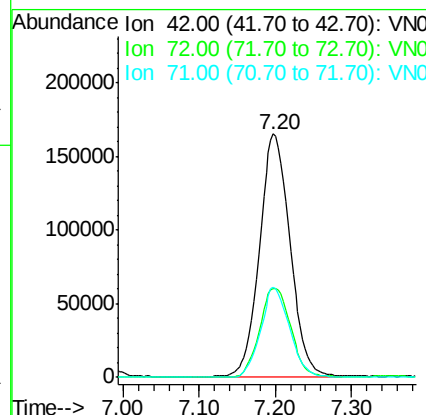
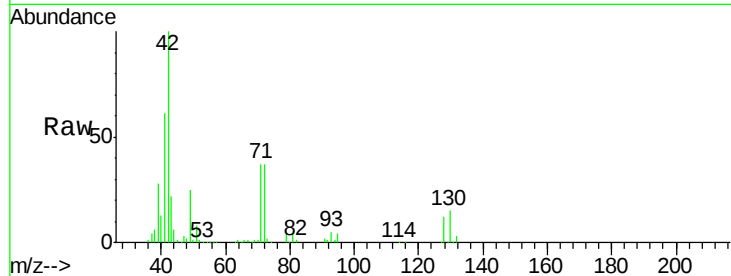
#29
Tetrahydrofuran
Concen: 232.202 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.1	45.1
71	35.0	28.8	43.2

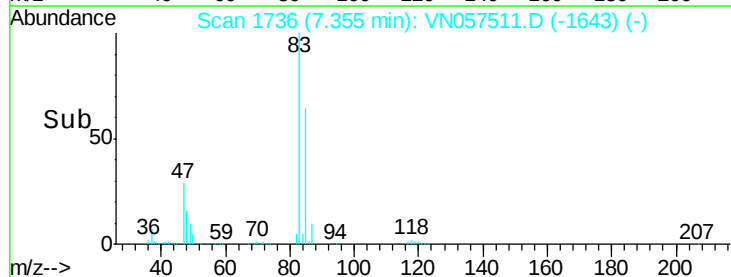
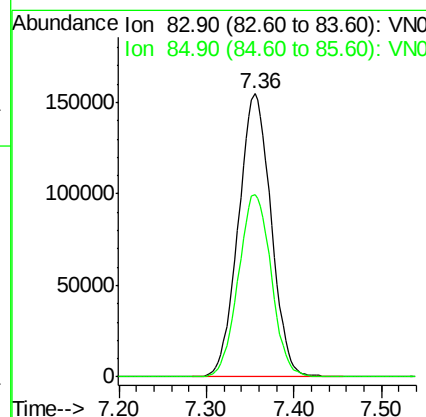
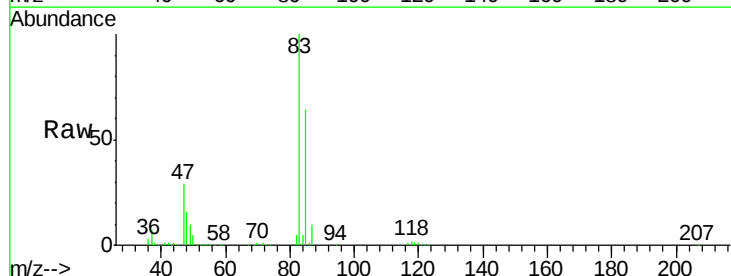
Manual Integrations
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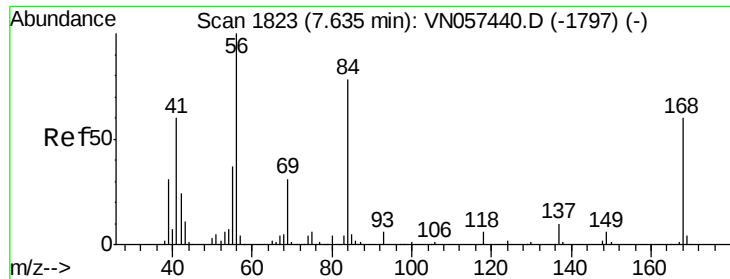
MMDadoda
8/27/2019 5:30:34 PM



#30
Chloroform
Concen: 49.237 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9





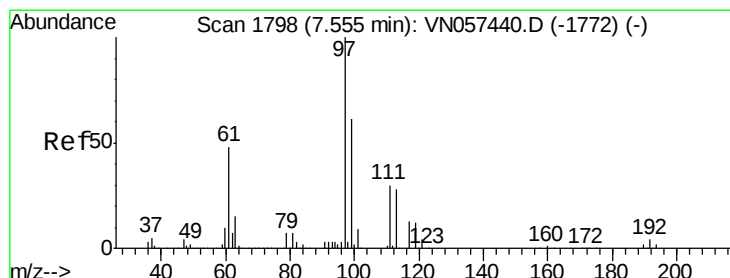
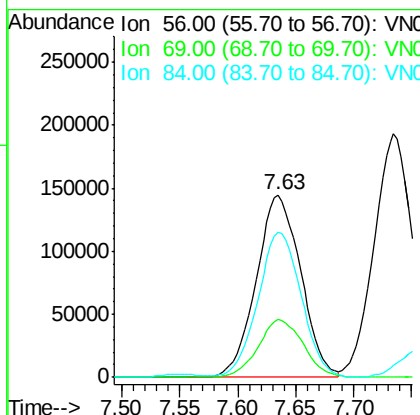
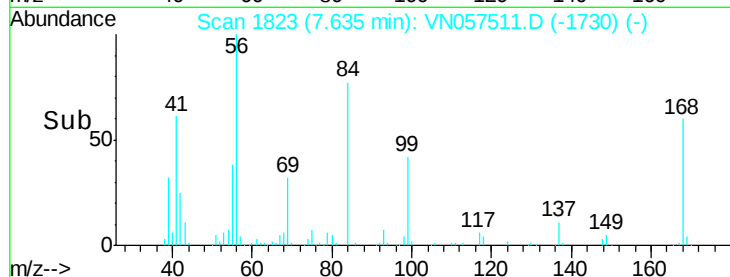
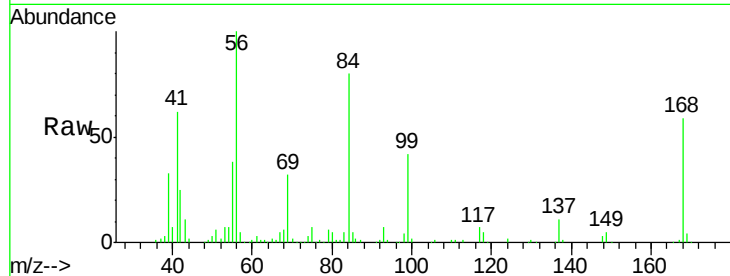
#31
Cyclohexane
Concen: 45.617 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.0	37.6
84	78.2	62.5	93.7

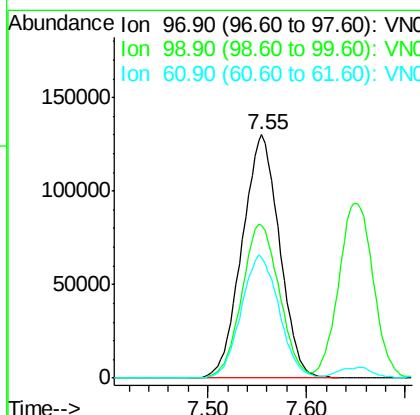
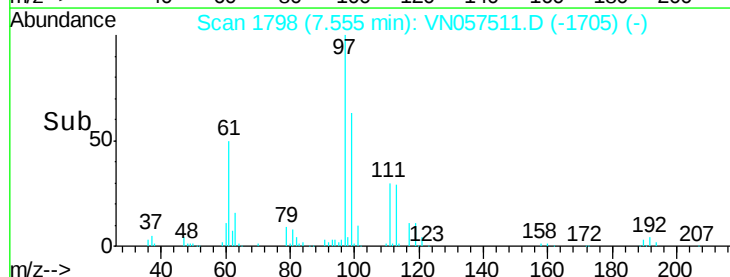
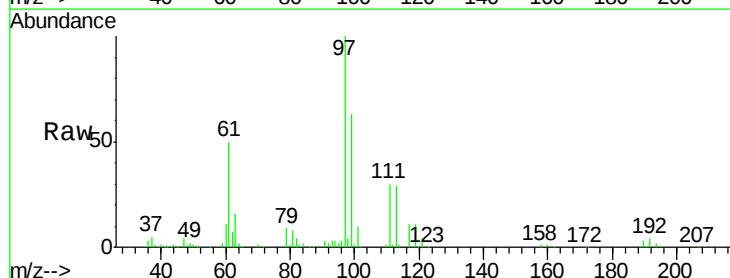
Manual Integrations
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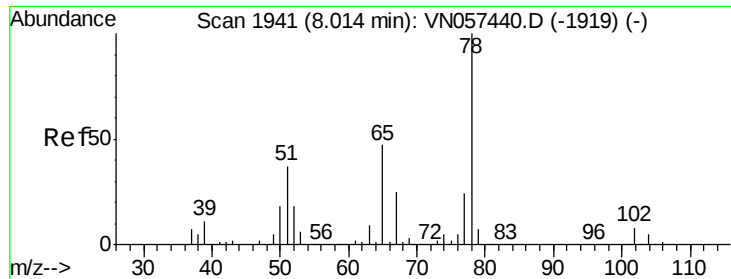
MMDadoda
8/27/2019 5:30:34 PM



#32
1,1,1-Trichloroethane
Concen: 45.293 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	51.2	39.8	59.6





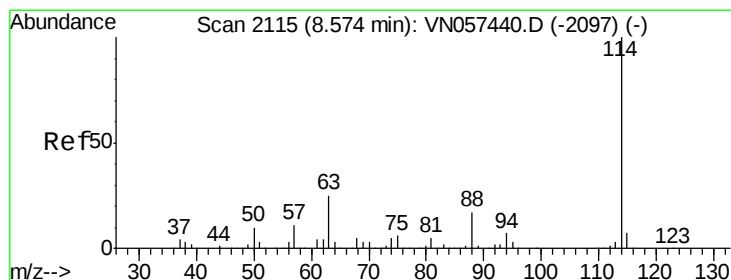
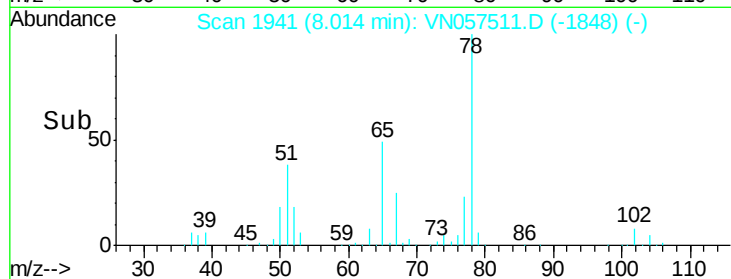
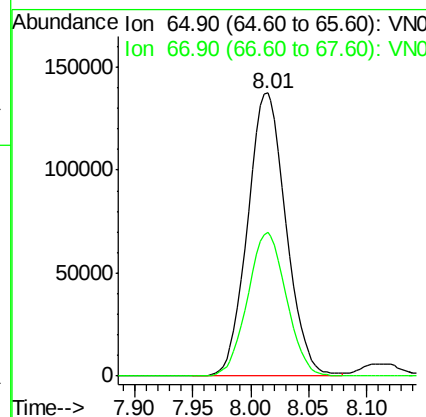
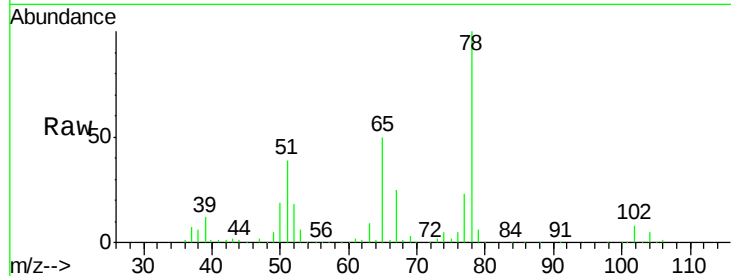
#33
 1,2-Dichloroethane-d4
 Concen: 52.634 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	317614		
67	51.2	0.0	103.8	

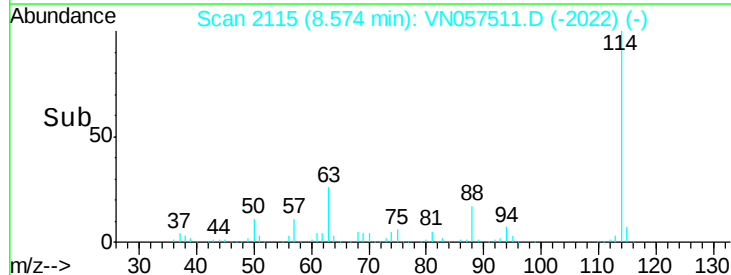
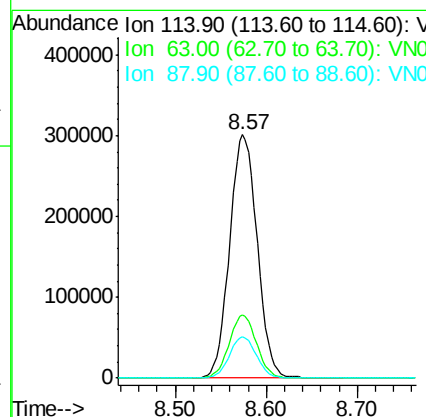
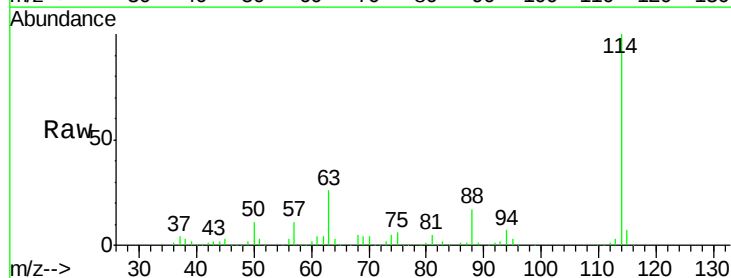
Manual Integrations
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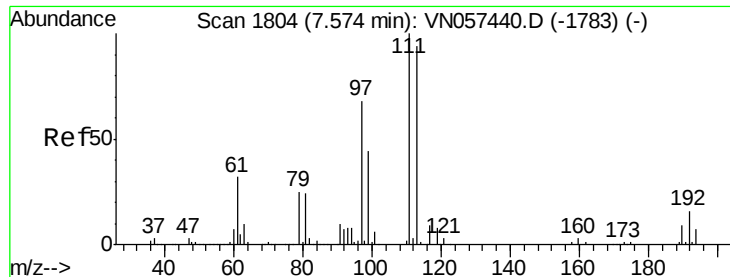
MMDadoda
 8/27/2019 5:30:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	634123		
63	26.1	0.0	50.2	
88	16.8	0.0	34.6	





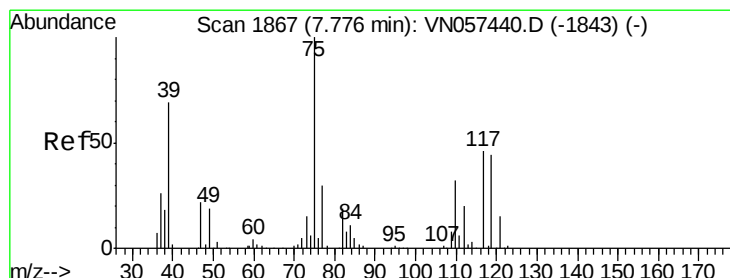
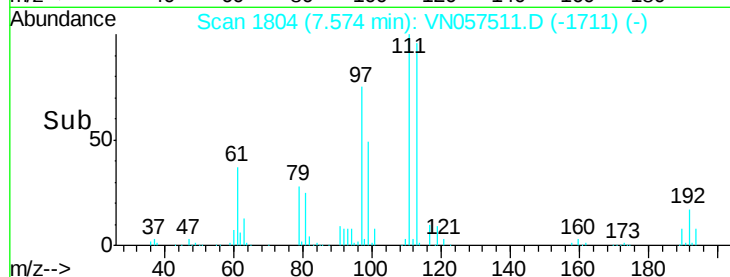
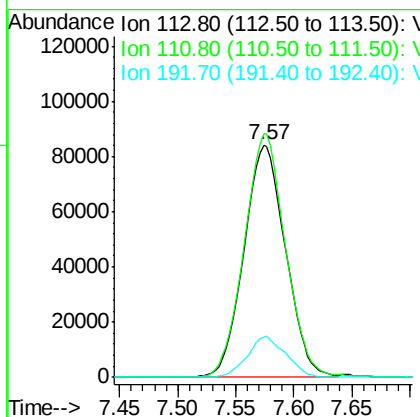
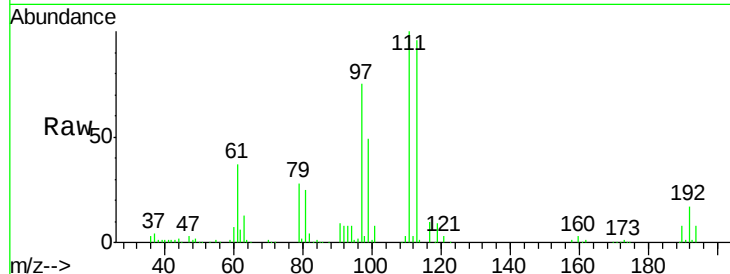
#35
 Dibromofluoromethane
 Concen: 49.028 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209998		
111	104.1	83.8	125.6	
192	16.5	13.5	20.3	

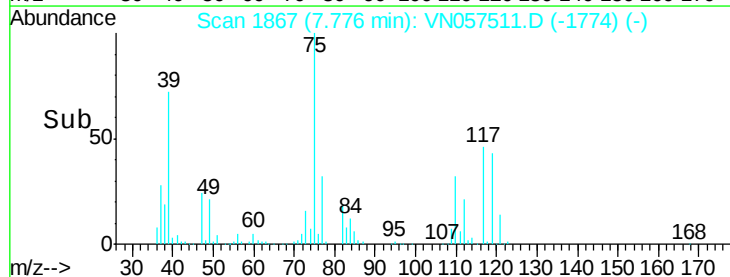
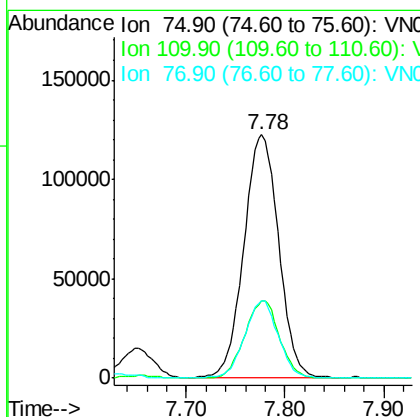
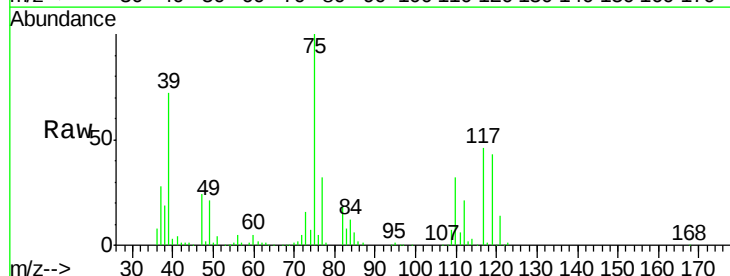
Manual Integrations
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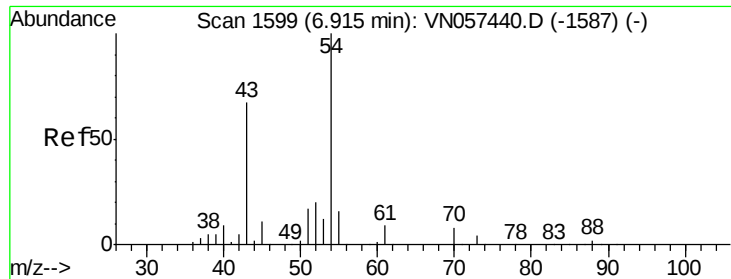
MMDadoda
 8/27/2019 5:30:34 PM



#36
 1,1-Dichloropropene
 Concen: 45.904 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	297432		
110	31.9	16.1	48.3	
77	31.0	24.8	37.2	





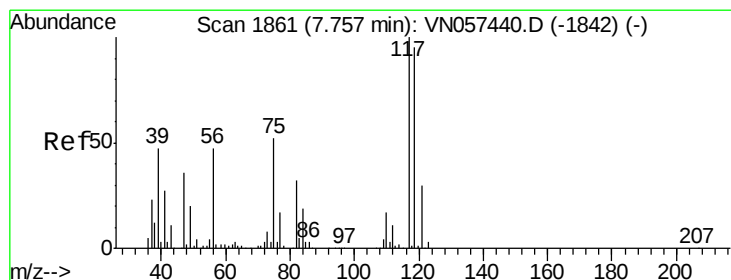
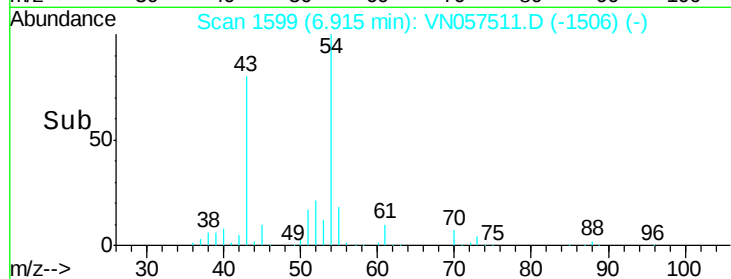
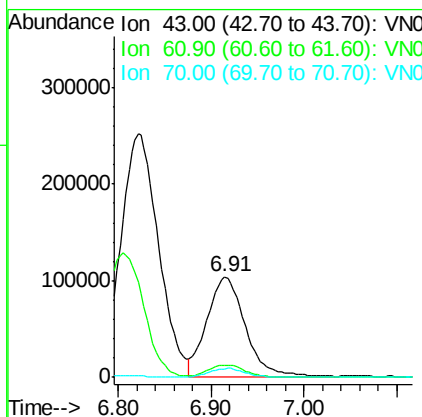
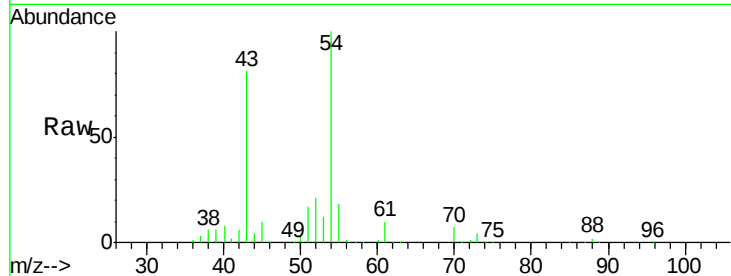
#37
Ethyl Acetate
Concen: 45.901 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	293888		
61	12.1		9.9	14.9
70	8.6		7.0	10.6

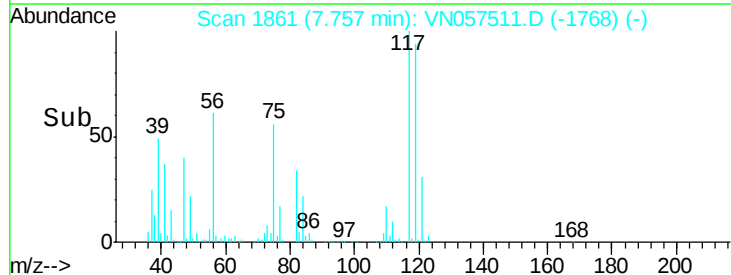
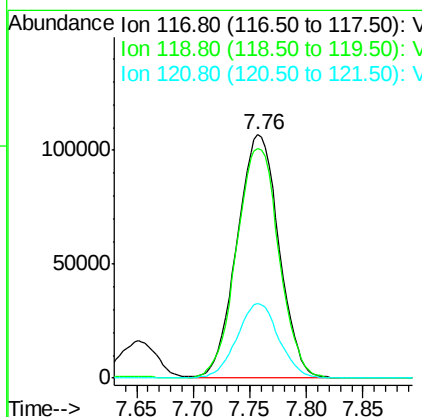
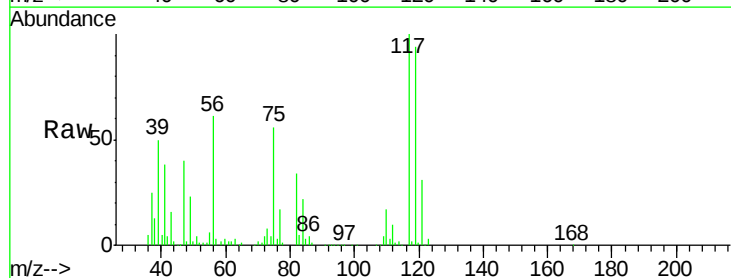
Manual Integrations
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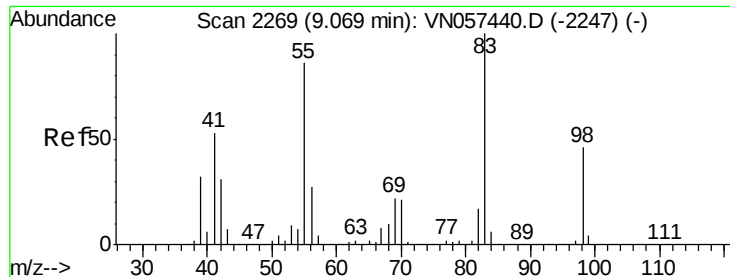
MMDadoda
8/27/2019 5:30:34 PM



#38
Carbon Tetrachloride
Concen: 42.620 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	274346		
119	94.1		76.2	114.4
121	30.7		23.8	35.6





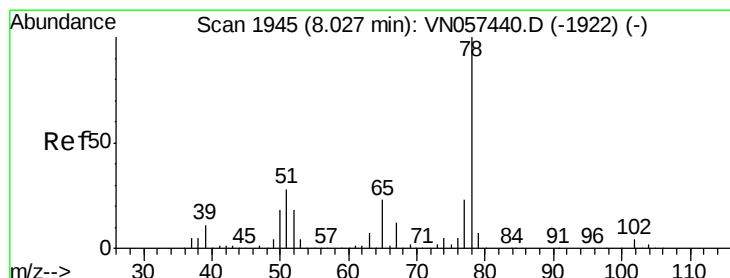
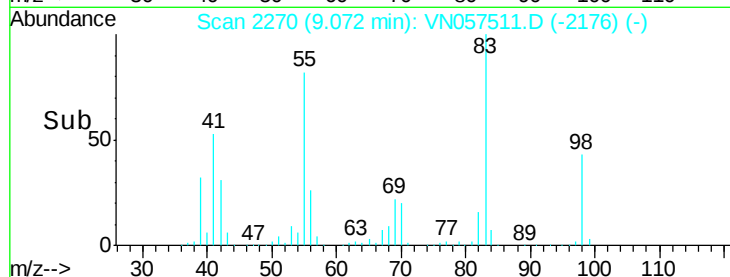
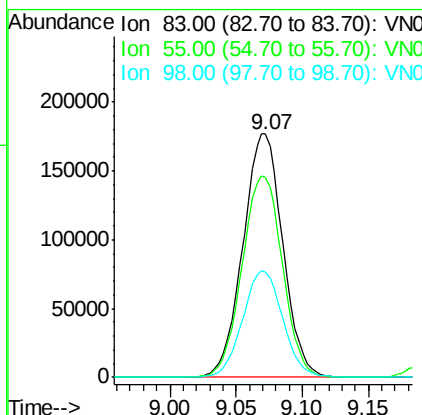
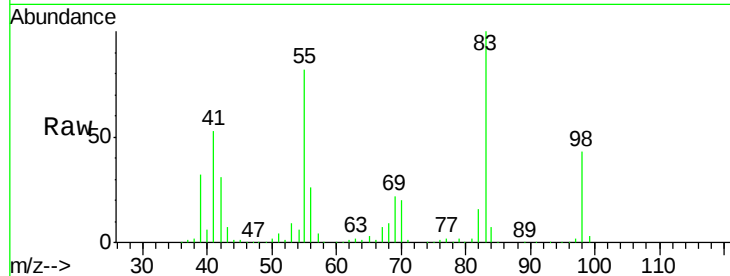
#39
Methvlcvclohexane
Concen: 48.103 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	68.6	102.8
98	43.1	36.6	54.8

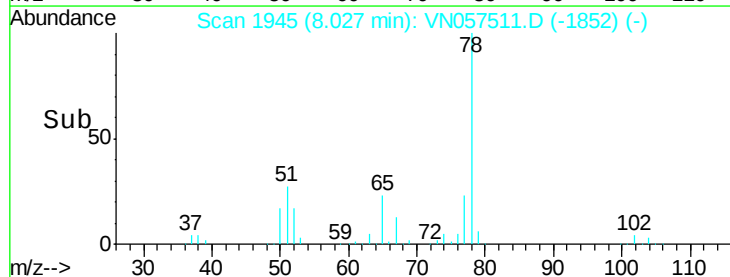
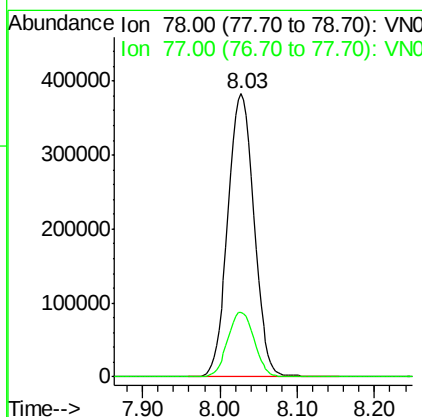
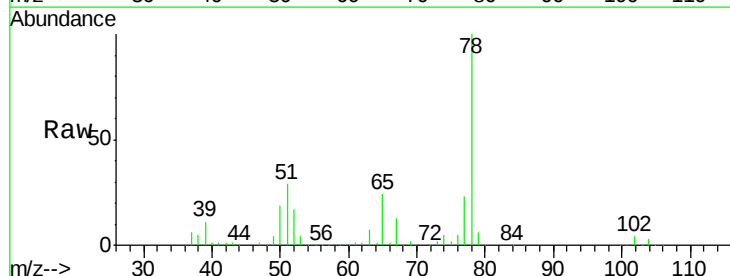
Manual Integrations
APPROVED

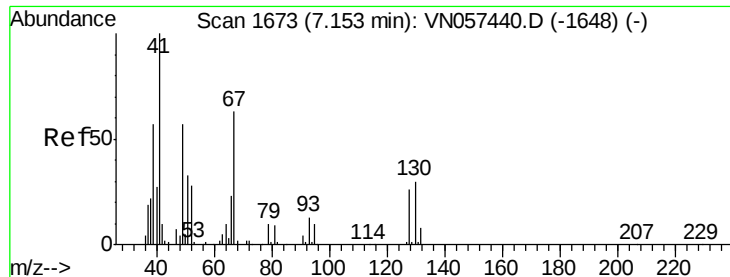
MMDadoda
8/27/2019 5:30:34 PM



#40
Benzene
Concen: 46.194 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.5	27.7





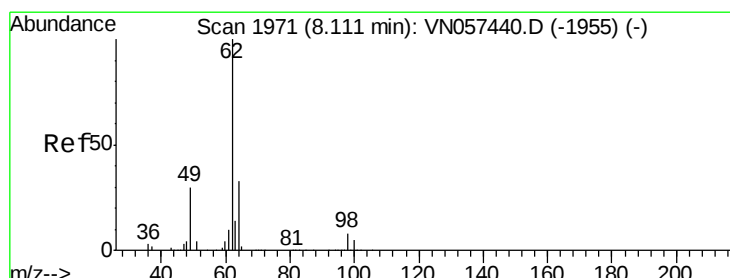
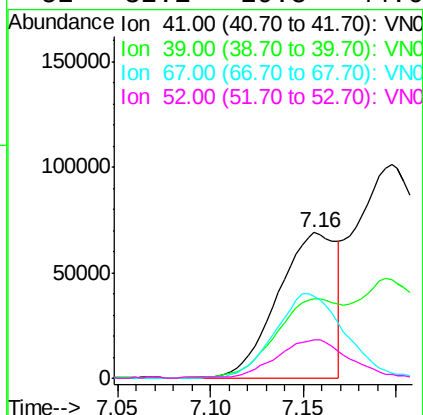
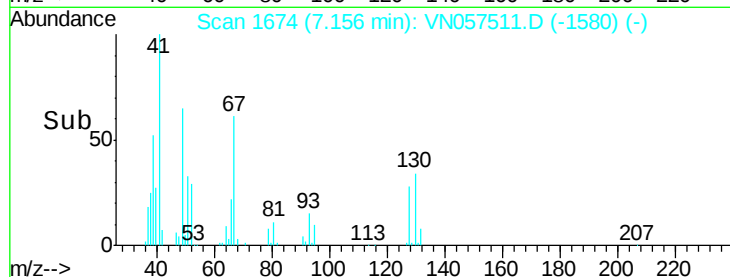
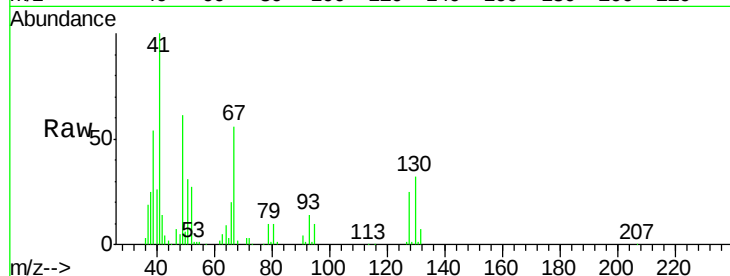
#41
Methacrylonitrile
Concen: 49.545 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.2	53.6	80.4	
67	70.3	65.4	98.2	
52	32.1	29.8	44.6	

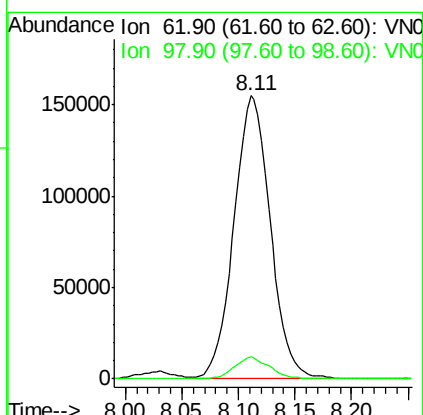
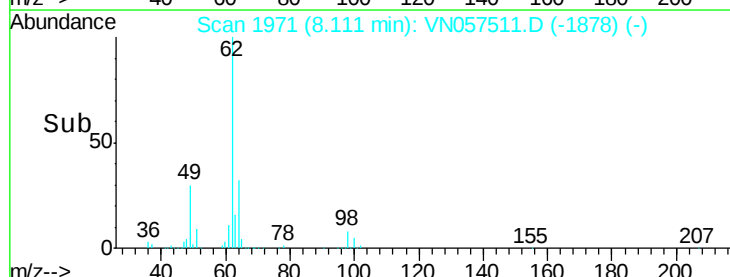
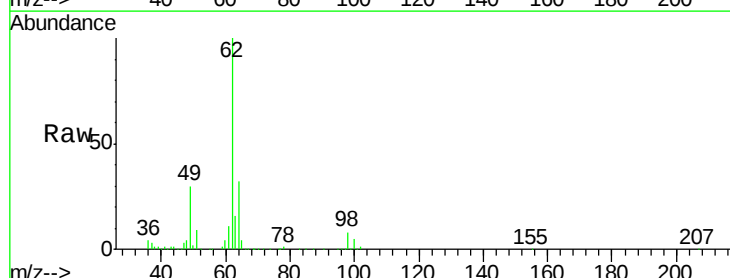
Manual Integrations
APPROVED

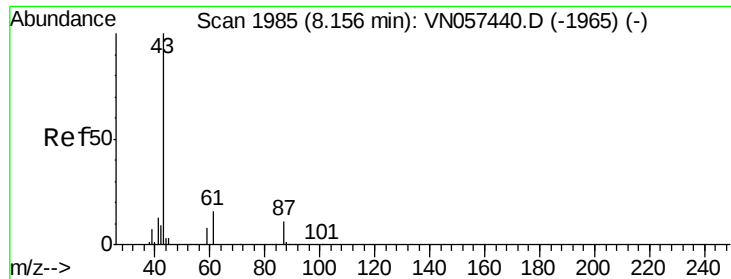
MMDadoda
8/27/2019 5:30:34 PM



#42
1,2-Dichloroethane
Concen: 46.104 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	15.4	





#43

Isopropyl Acetate

Concen: 44.237 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

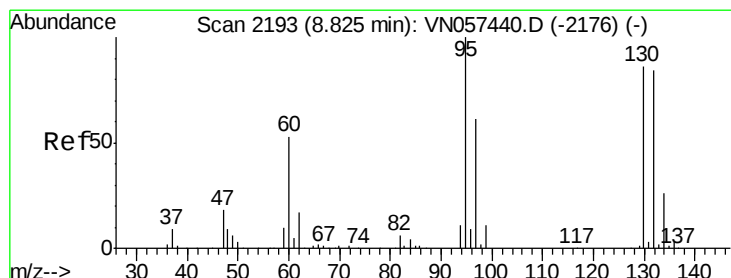
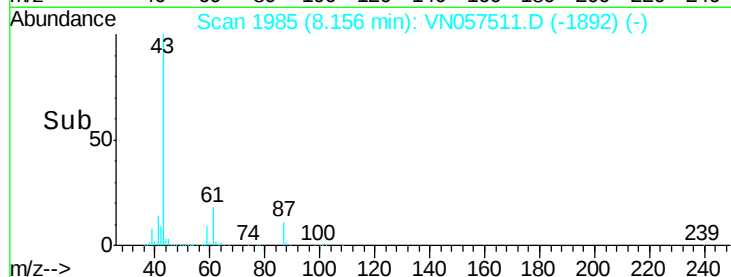
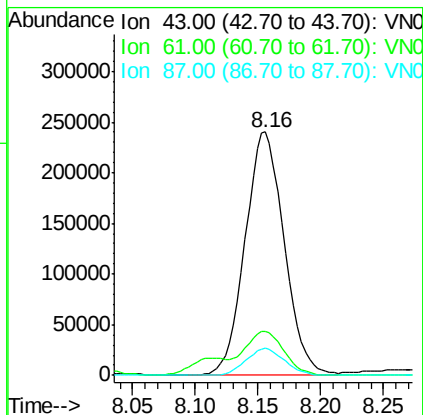
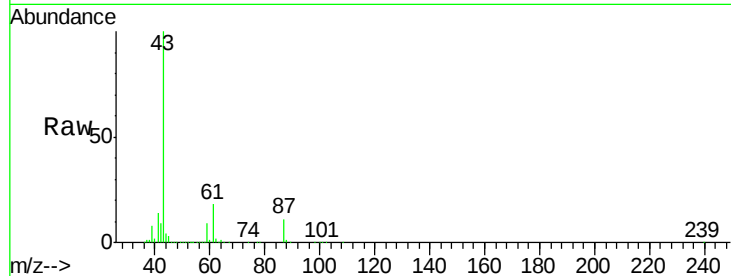
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	519335
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	11.0	8.6	12.8

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#44

Trichloroethene

Concen: 46.346 ug/l

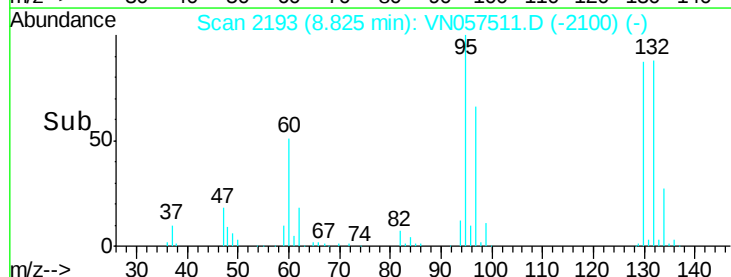
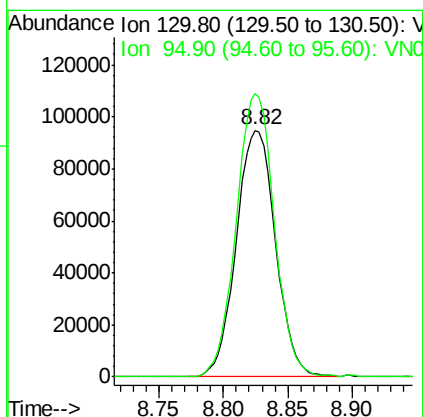
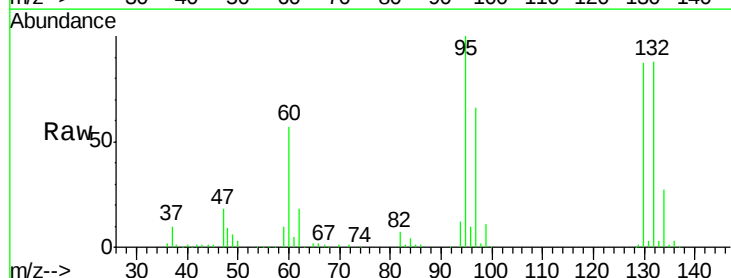
RT: 8.82 min Scan# 2193

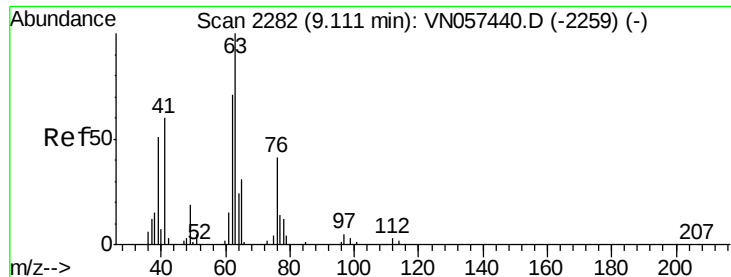
Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Tgt Ion:	130	Resp:	201197
Ion	Ratio	Lower	Upper
130	100		
95	114.8	0.0	231.6





#45

1,2-Dichloropropane

Concen: 46.616 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 255318

Ion Ratio Lower Upper

63 100

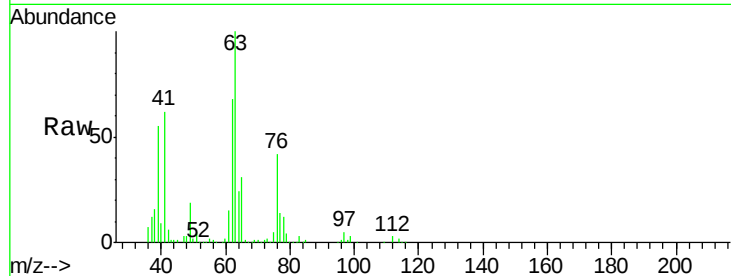
65 31.1 24.7 37.1

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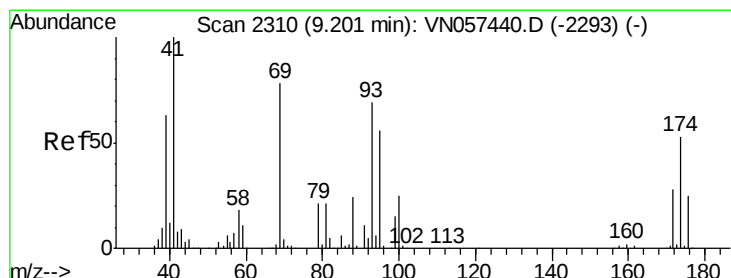
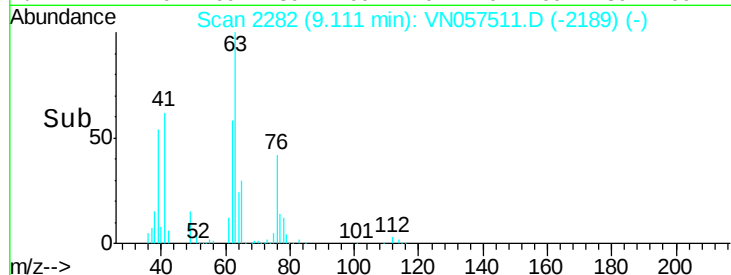
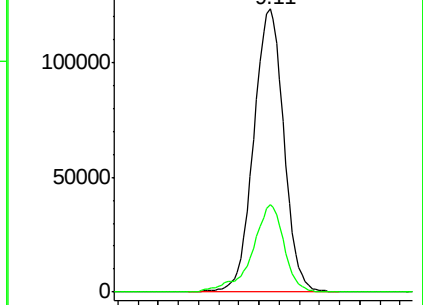
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 48.278 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

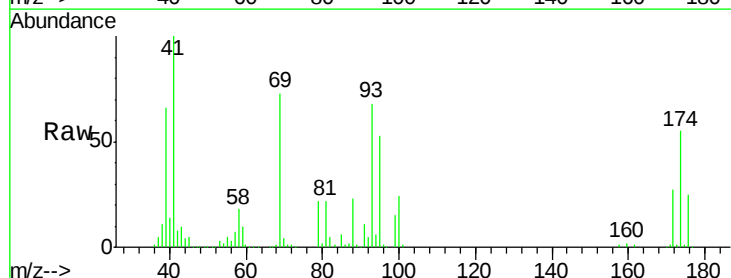
Tgt Ion: 93 Resp: 154978

Ion Ratio Lower Upper

93 100

95 80.8 64.7 97.1

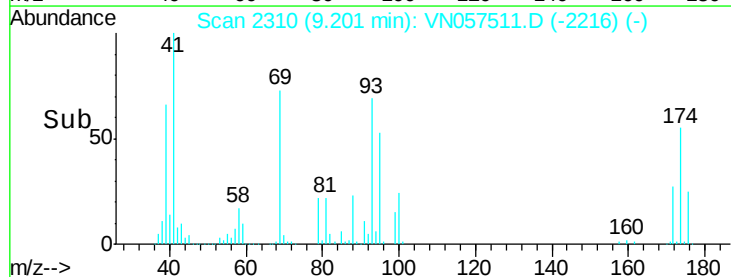
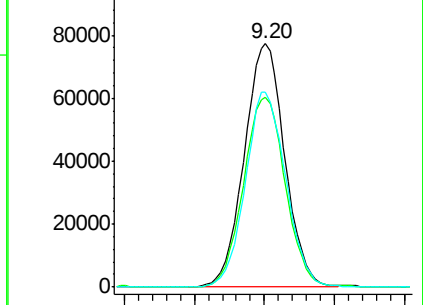
174 80.3 62.3 93.5

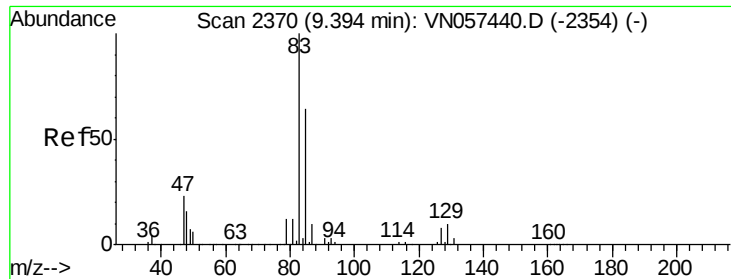


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





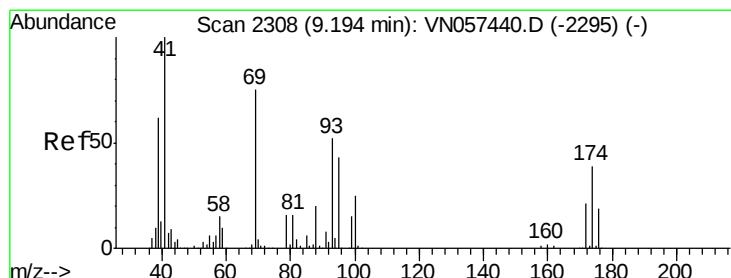
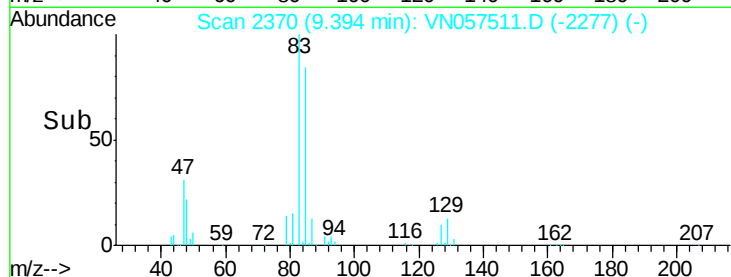
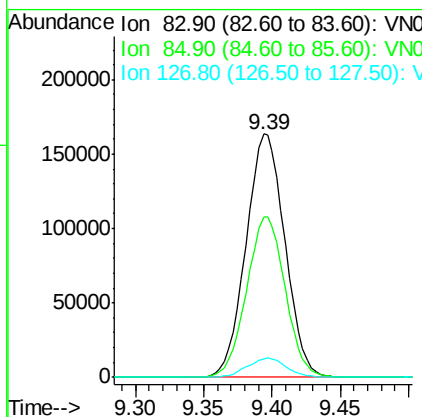
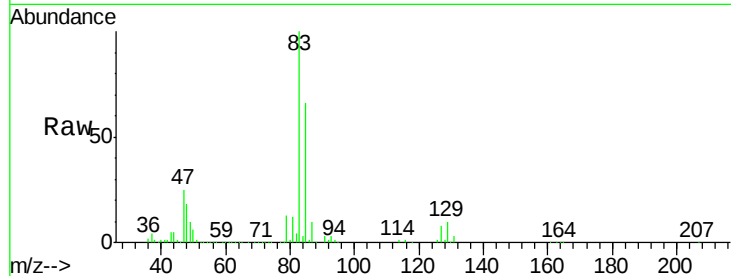
#47
Bromodichloromethane
Concen: 44.720 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	323133
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	51.2	76.8
127	7.7	6.6	10.0

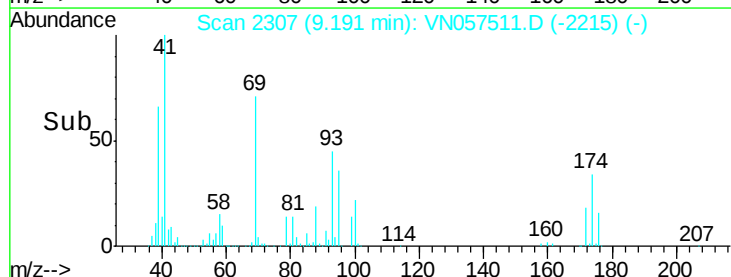
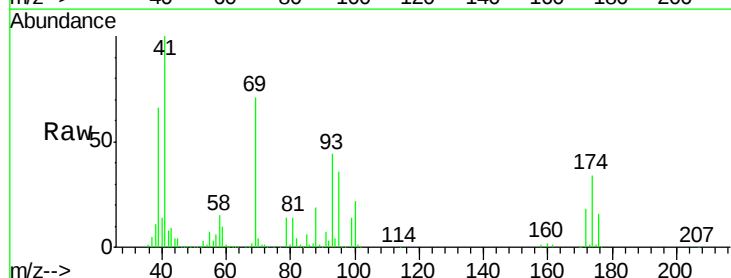
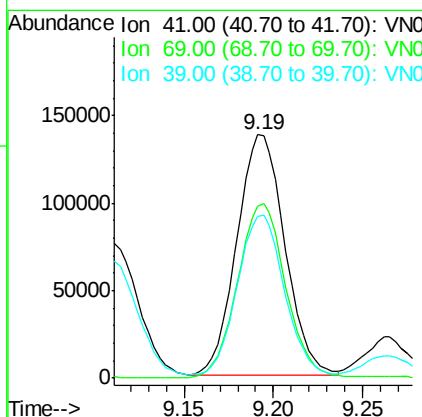
Manual Integrations
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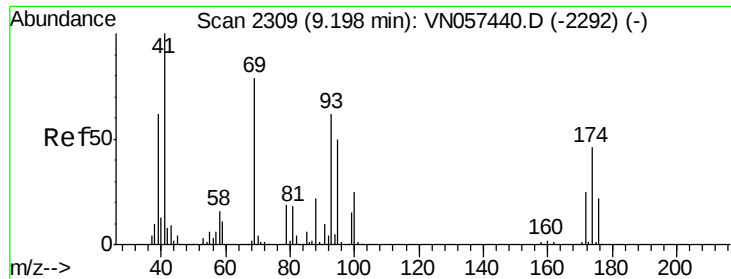
MMDadoda
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#48
Methyl methacrylate
Concen: 46.346 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	41	Resp	258730
Ion Ratio	100	Lower	Upper
41	100		
69	72.9	59.3	88.9
39	66.9	50.6	75.8





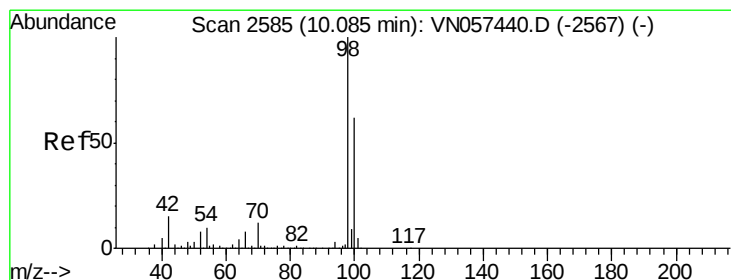
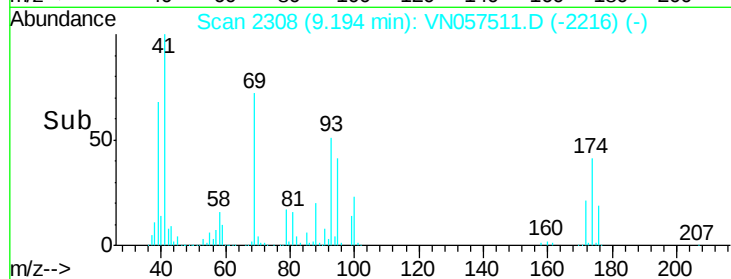
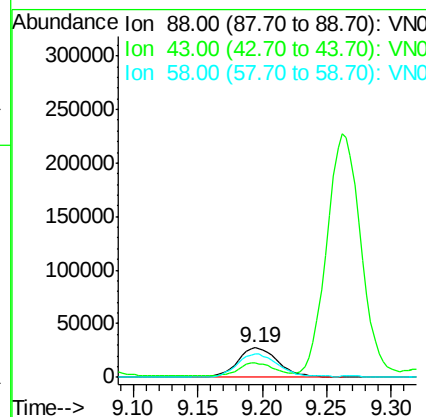
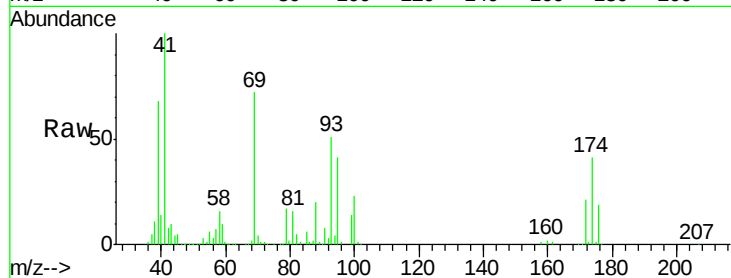
#49
1,4-Dioxane
Concen: 853.615 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	31.0	46.6
58	78.0	64.5	96.7

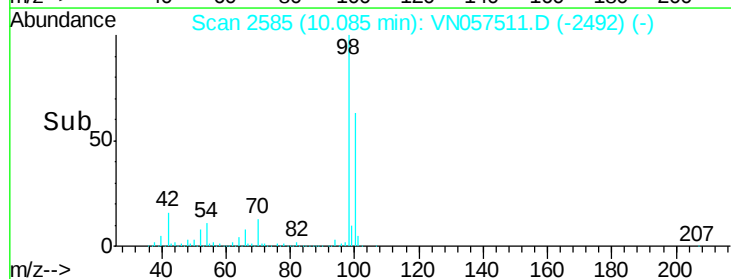
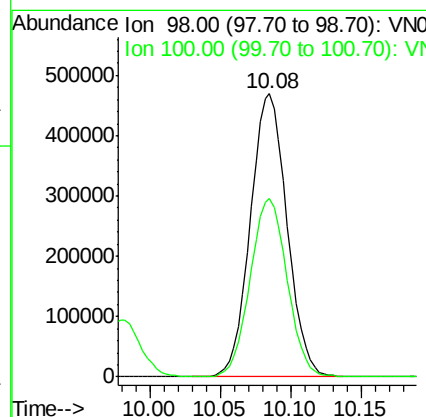
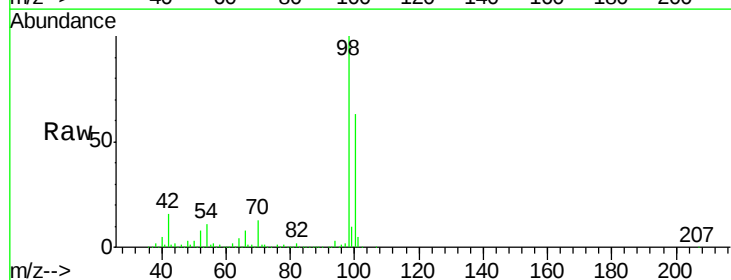
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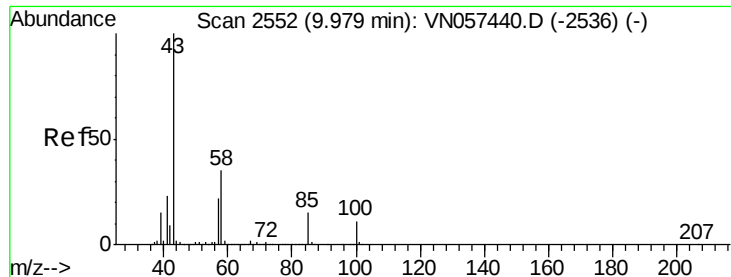
MMDadoda
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#50
Toluene-d8
Concen: 52.759 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.4	75.6





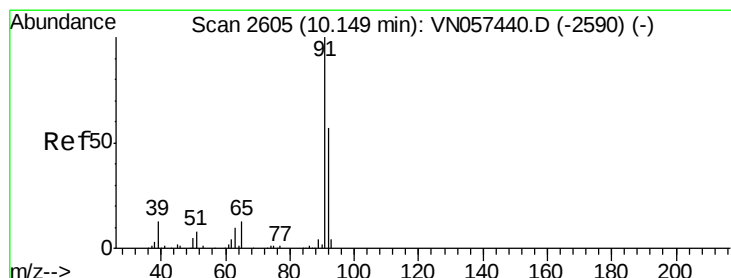
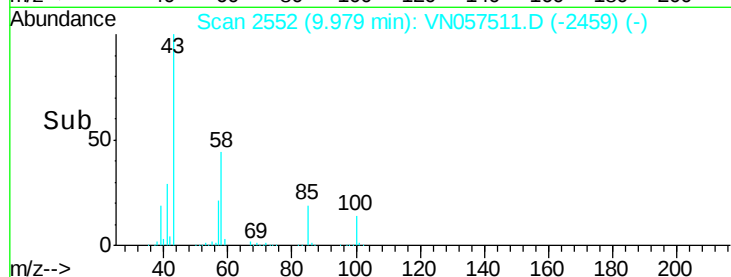
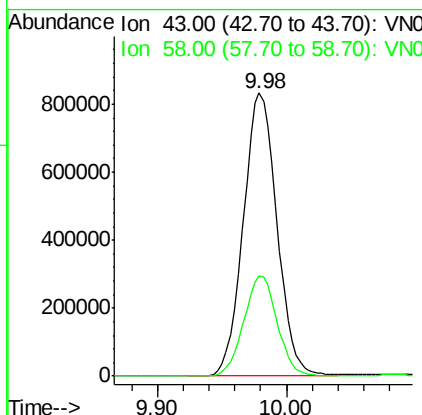
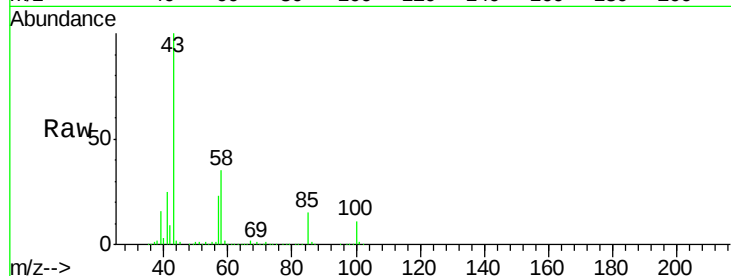
#51
 4-Methyl-2-Pentanone
 Concen: 230.679 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1509300
 Ion Ratio Lower Upper
 43 100
 58 35.3 27.9 41.9

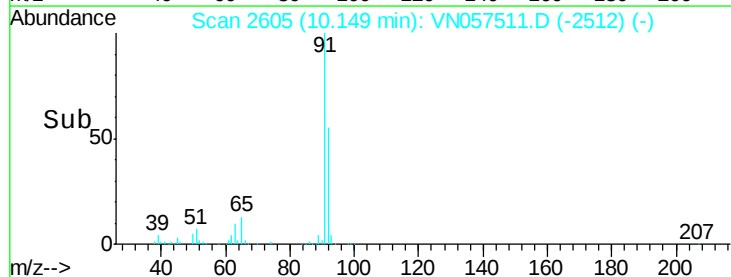
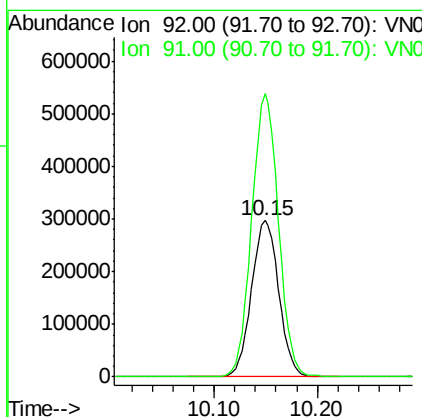
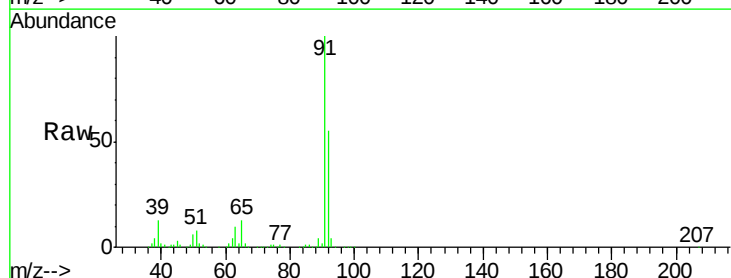
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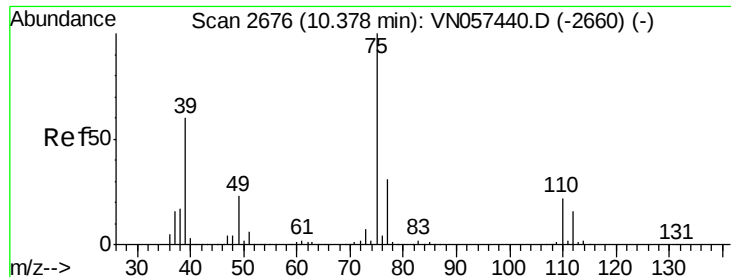
MMDadoda
 8/27/2019 5:30:34 PM



#52
 Toluene
 Concen: 48.464 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion: 92 Resp: 543228
 Ion Ratio Lower Upper
 92 100
 91 177.8 140.9 211.3





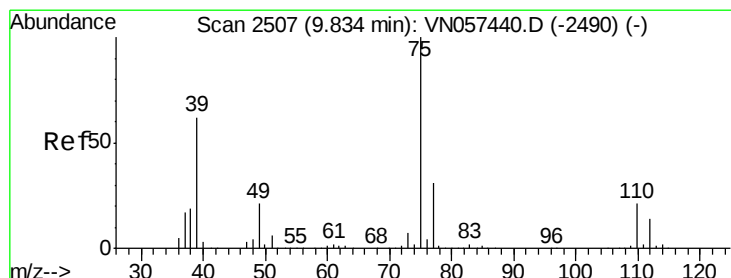
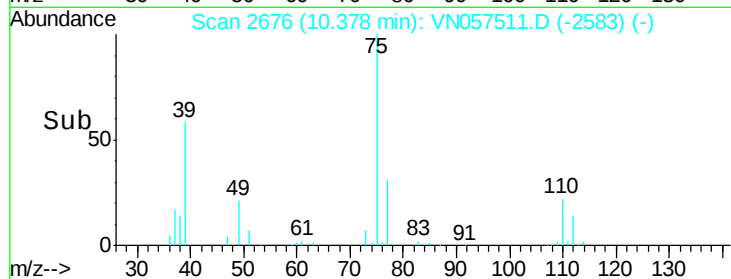
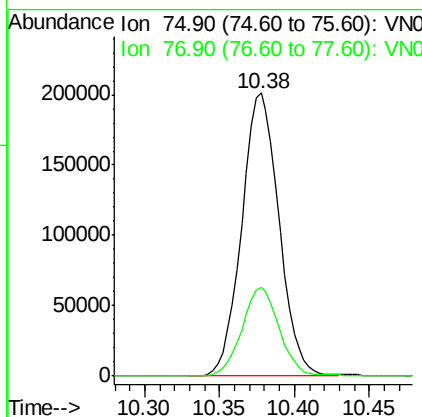
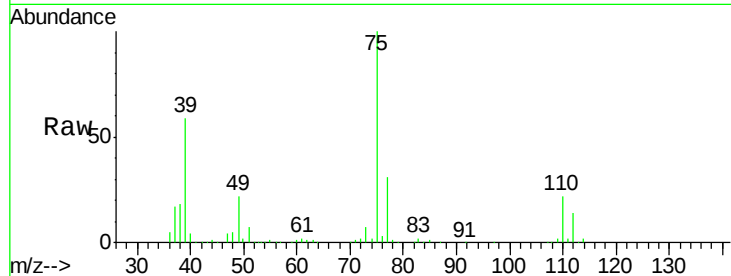
#53
 t-1,3-Dichloropropene
 Concen: 46.126 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

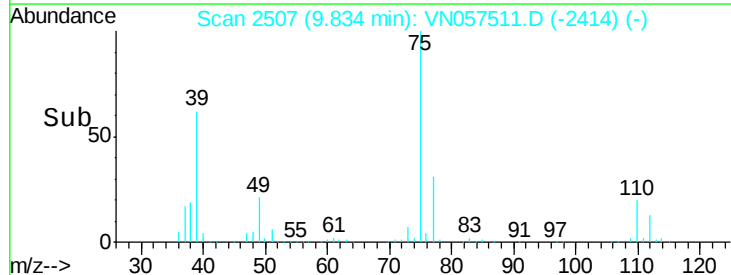
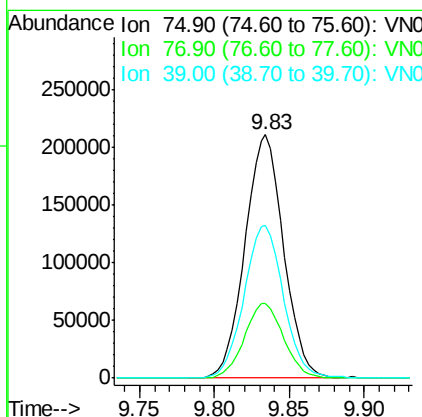
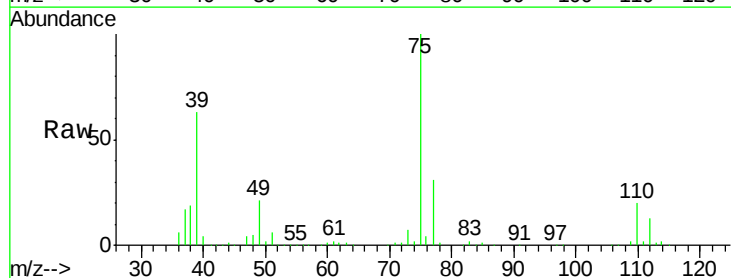
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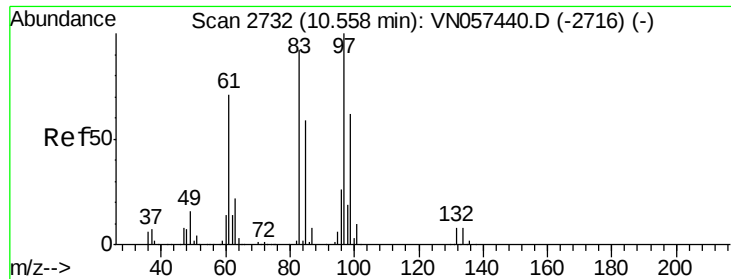
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 8/27/2019 5:30:34 PM



#54
 cis-1,3-Dichloropropene
 Concen: 44.845 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6
39	62.2	49.2	73.8





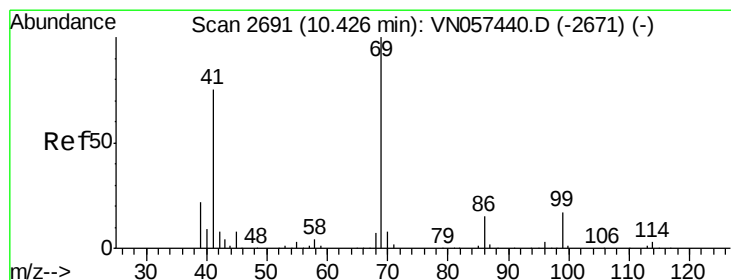
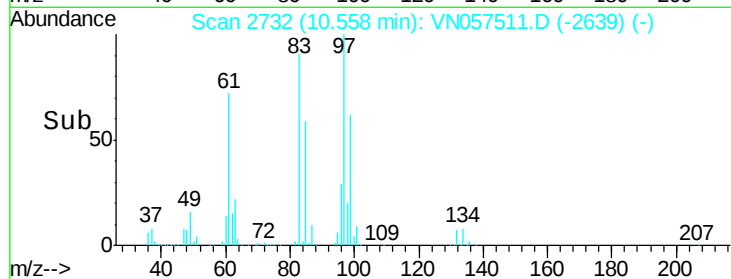
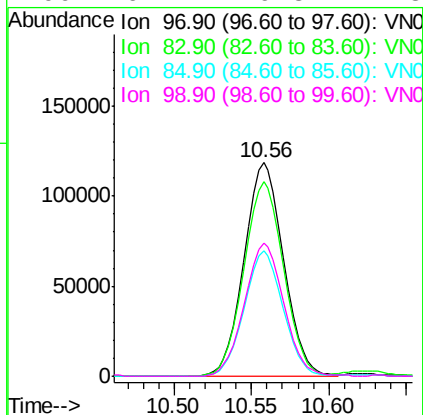
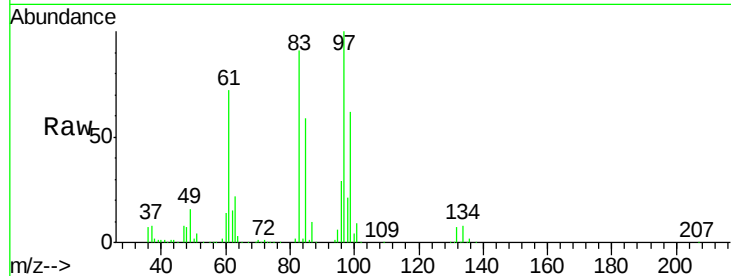
#55
 1,1,2-Trichloroethane
 Concen: 46.507 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	210809
Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.7	110.5
85	58.6	46.8	70.2
99	62.1	49.8	74.8

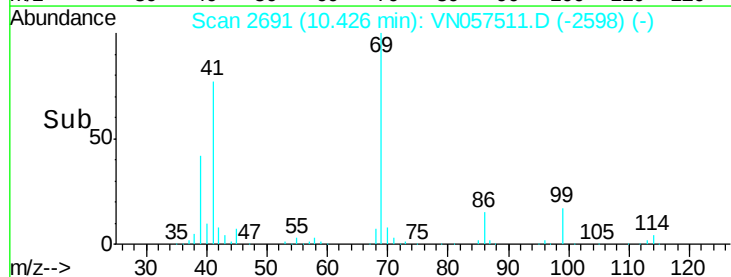
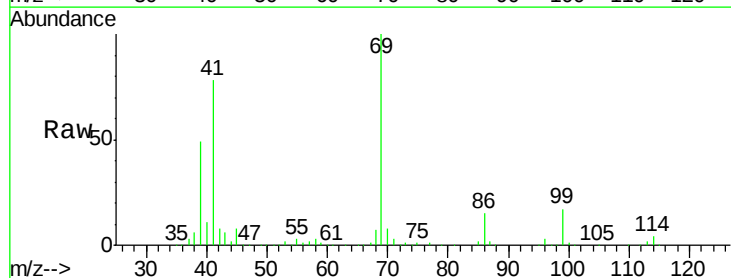
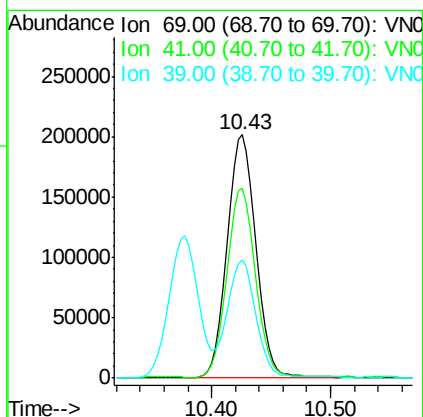
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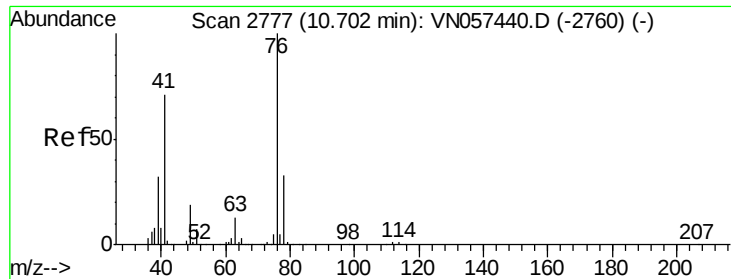
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#56
 Ethyl methacrylate
 Concen: 47.632 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion:	69	Resp:	339636
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	46.5	36.5	54.7





#57

1,3-Dichloropropane

Concen: 48.322 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 381214

Ion Ratio Lower Upper

76 100

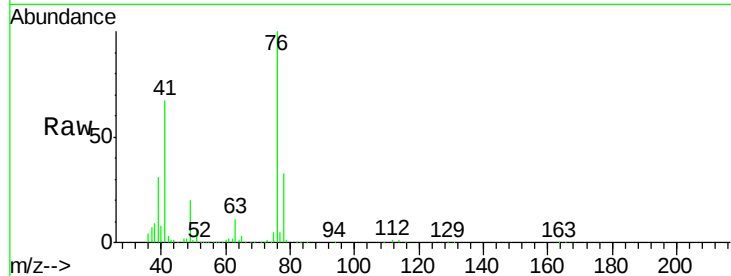
78 32.3 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

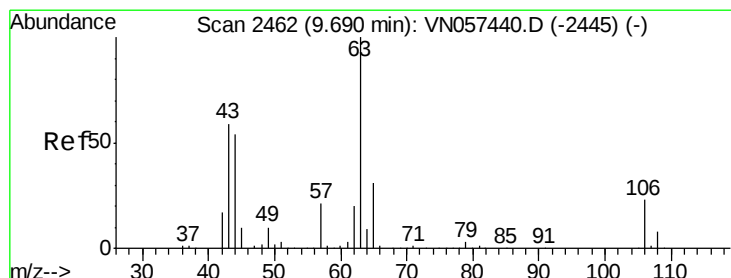
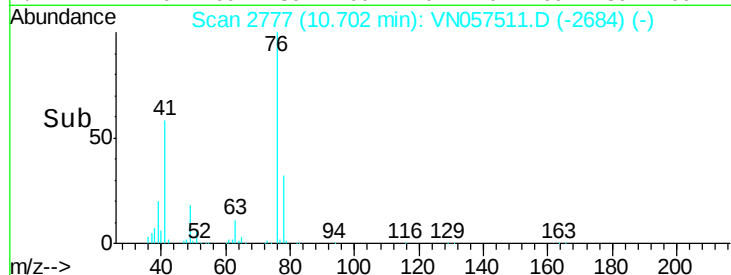
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 278.382 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057511.D

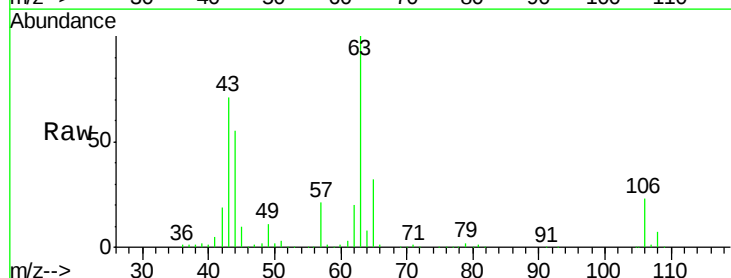
Acq: 26 Aug 2019 14:59

Tgt Ion: 63 Resp: 556962

Ion Ratio Lower Upper

63 100

106 22.3 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

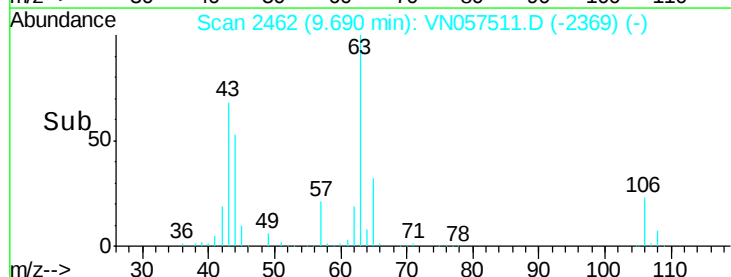
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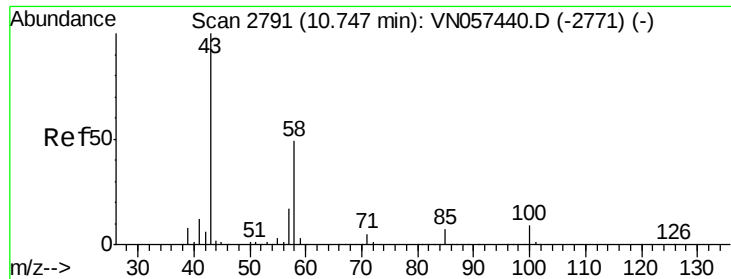
200000

100000

0

Time-->





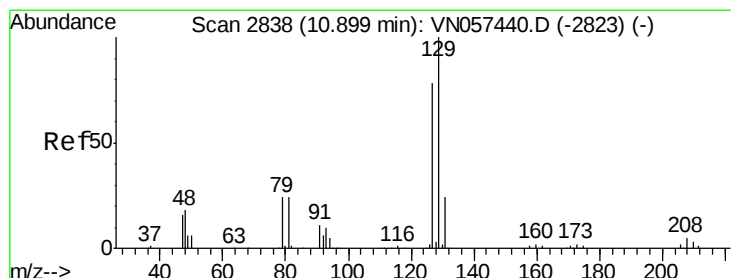
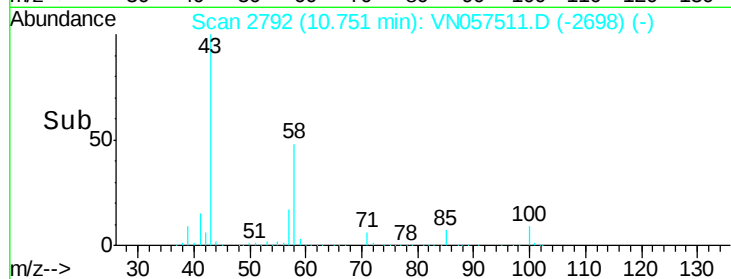
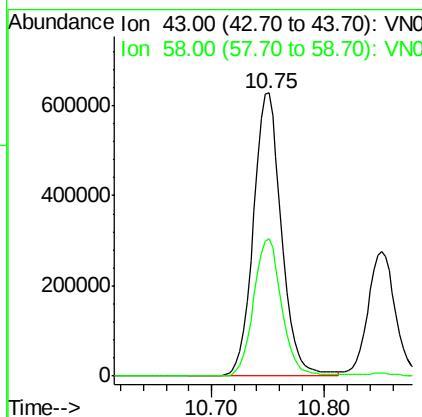
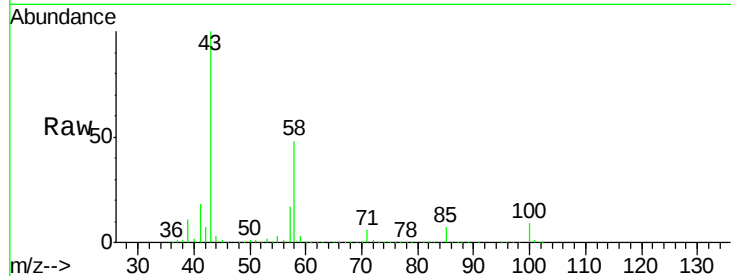
#59
2-Hexanone
Concen: 240.366 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1078673
Ion Ratio Lower Upper
43 100
58 48.8 24.6 73.6

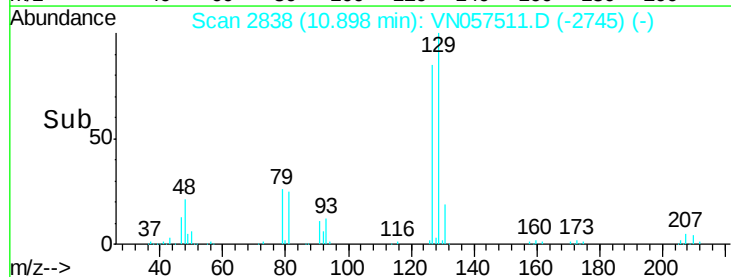
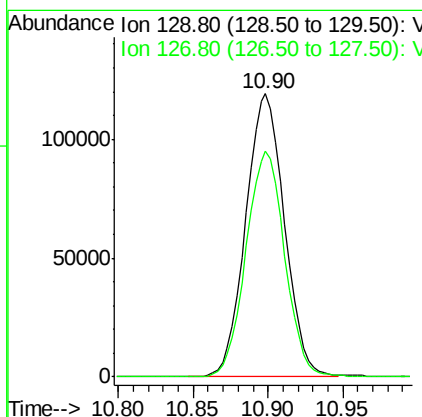
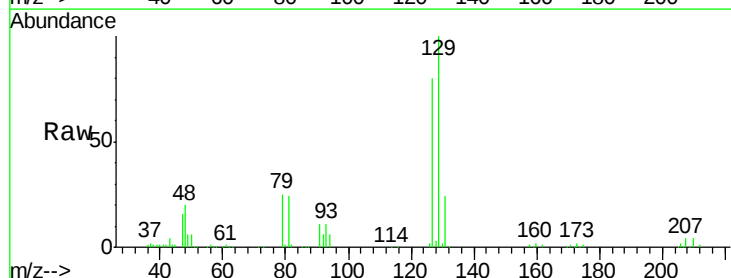
Manual Integrations
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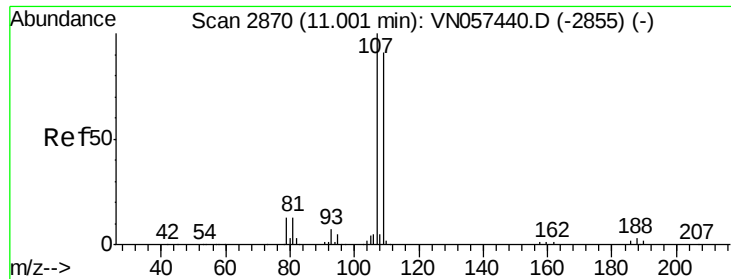
MMDadoda
8/27/2019 5:30:34 PM



#60
Dibromochloromethane
Concen: 44.834 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion: 129 Resp: 214764
Ion Ratio Lower Upper
129 100
127 79.6 39.0 116.9





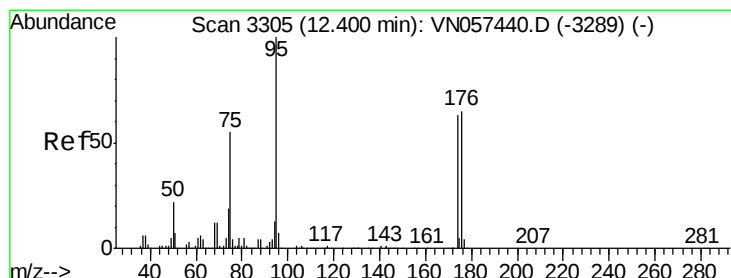
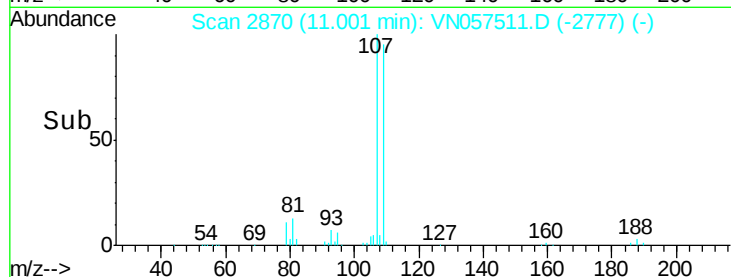
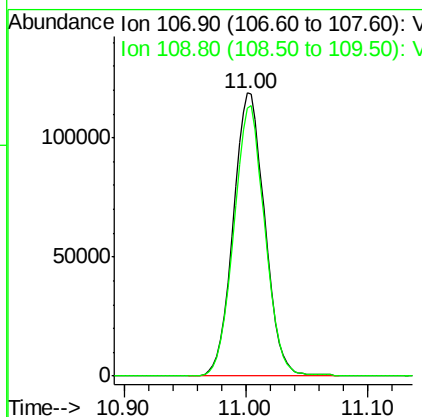
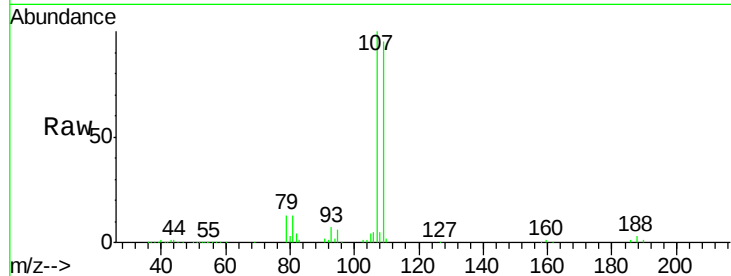
#61
 1,2-Dibromoethane
 Concen: 47.757 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.8

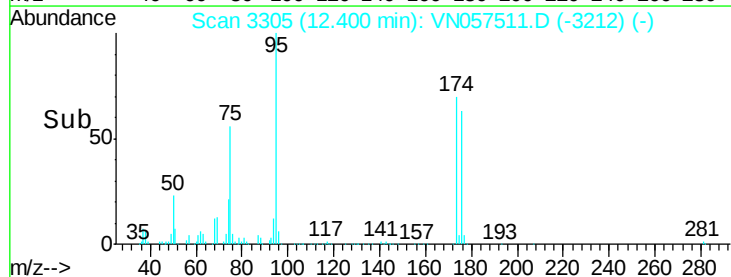
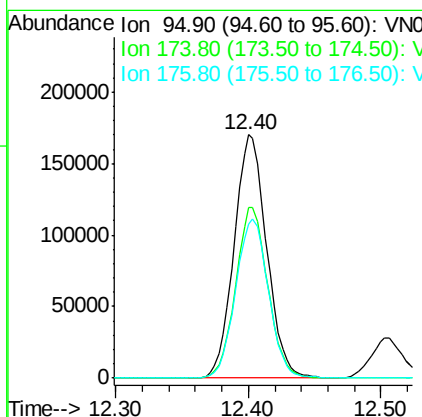
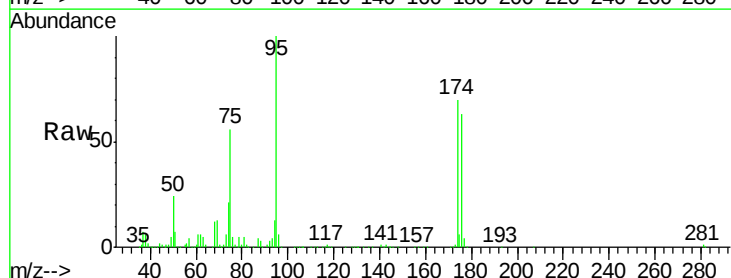
Manual Integrations
 APPROVED

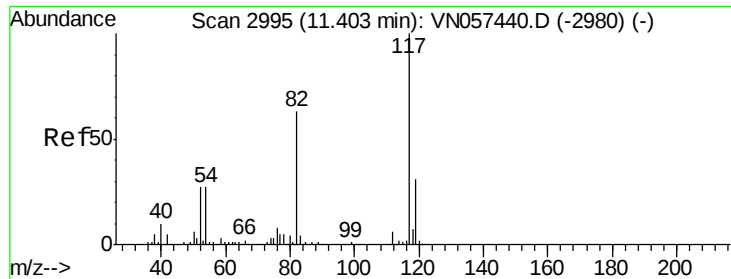
MMDadoda
 8/27/2019 5:30:34 PM



#62
 4-Bromofluorobenzene
 Concen: 52.885 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	133.0
176	65.8	0.0	130.8





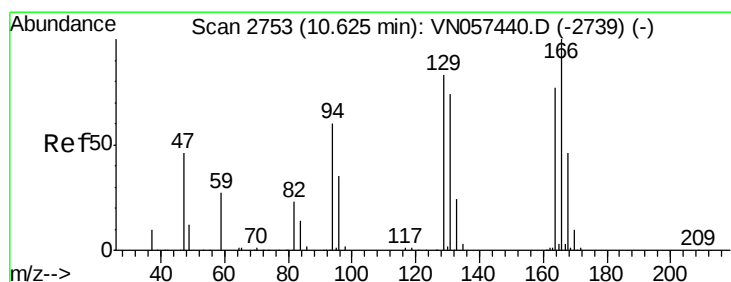
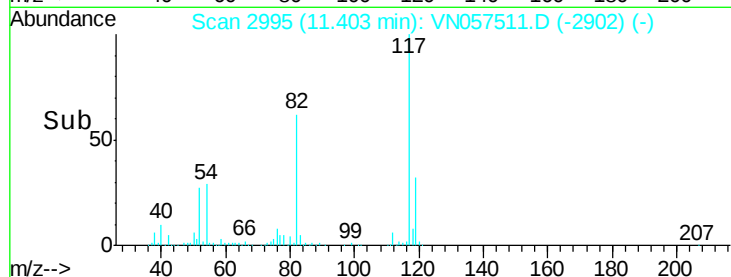
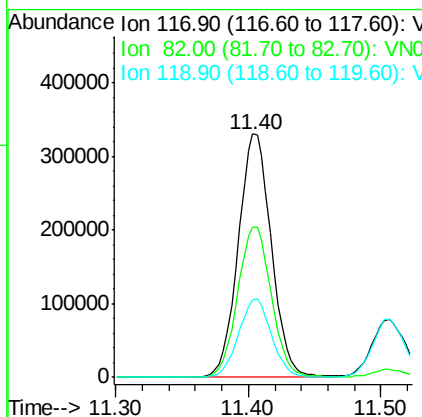
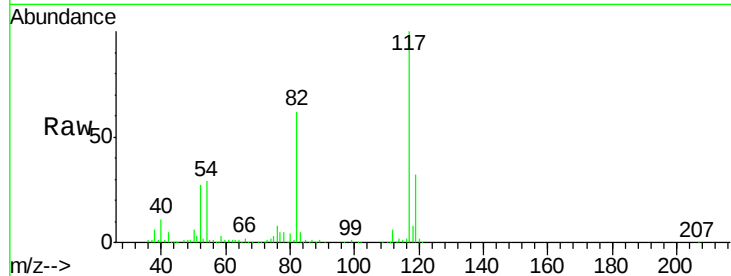
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	572518		
82	61.8	50.6	75.8	
119	31.8	24.6	36.8	

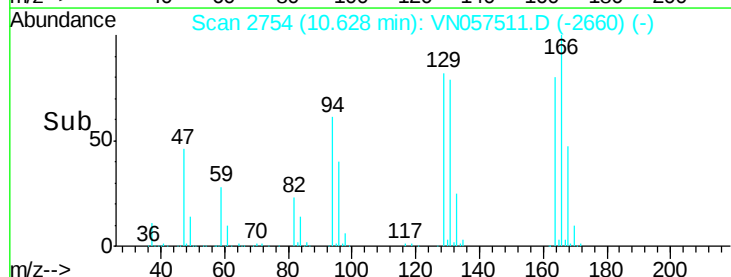
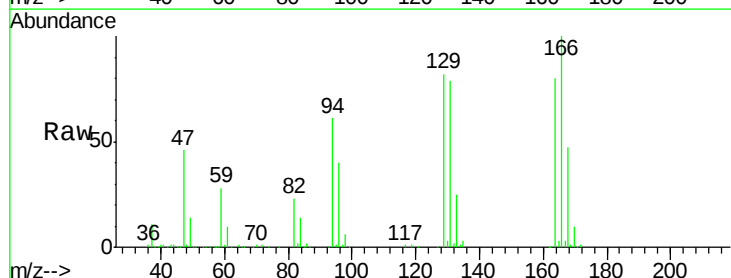
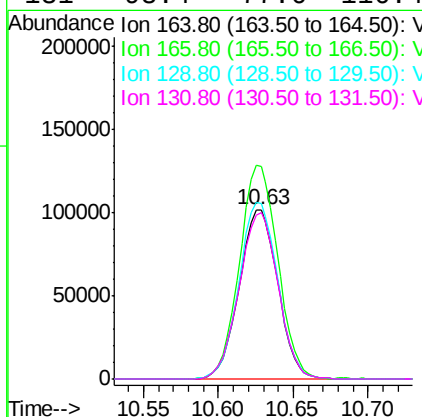
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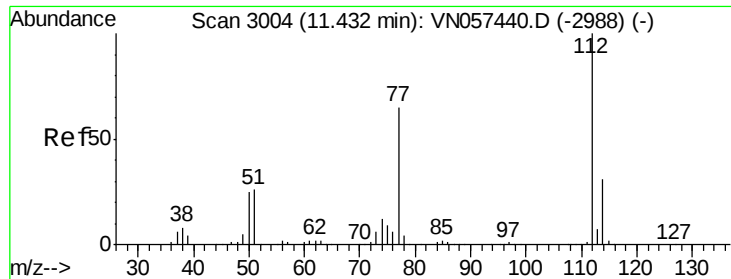
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8/27/2019 5:30:34 PM



#64
Tetrachloroethene
Concen: 45.762 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	183296		
166	125.0	104.4	156.6	
129	103.1	86.6	130.0	
131	98.4	77.6	116.4	





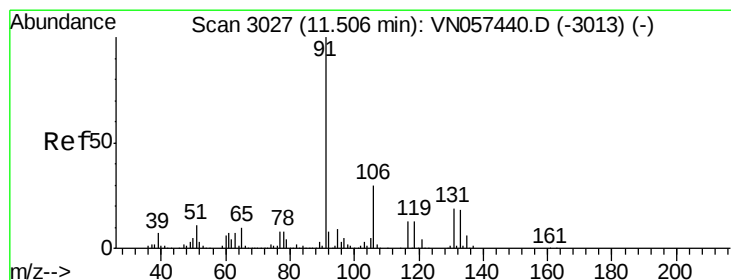
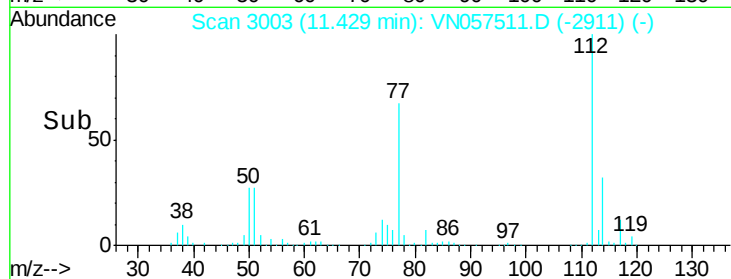
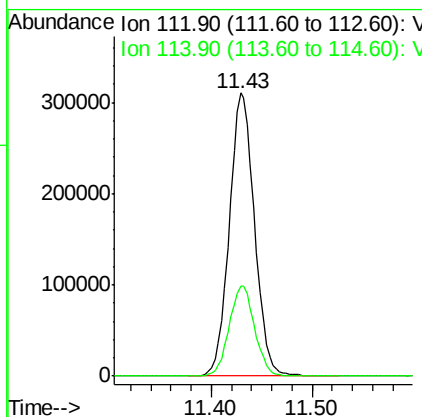
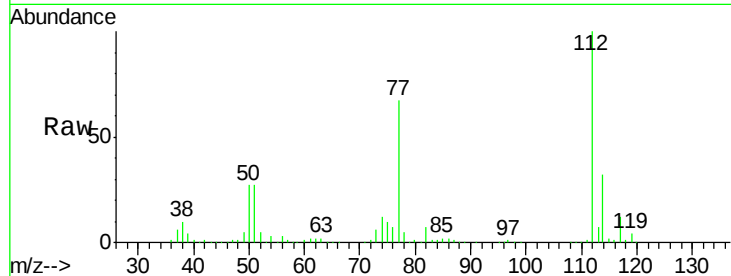
#65
Chlorobenzene
Concen: 46.553 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 538764
Ion Ratio Lower Upper
112 100
114 31.7 24.8 37.2

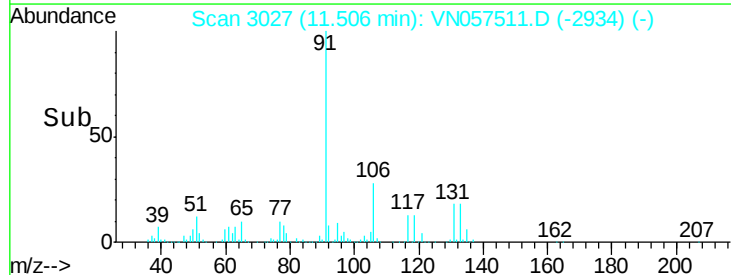
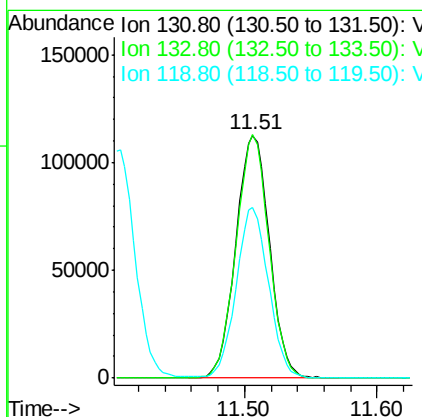
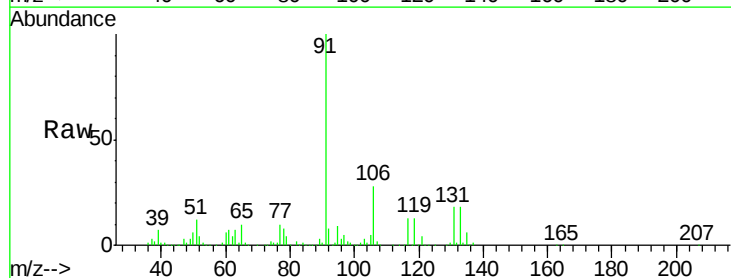
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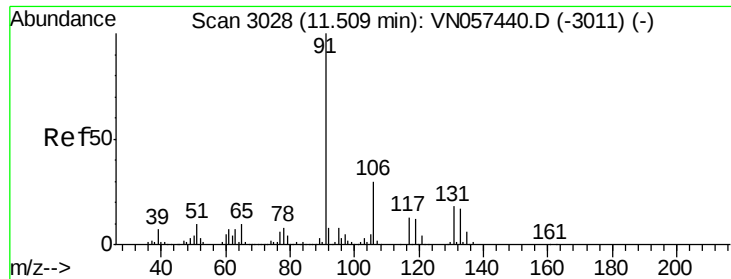
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.677 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion:131 Resp: 198300
Ion Ratio Lower Upper
131 100
133 97.9 47.6 142.8
119 67.2 34.4 103.2





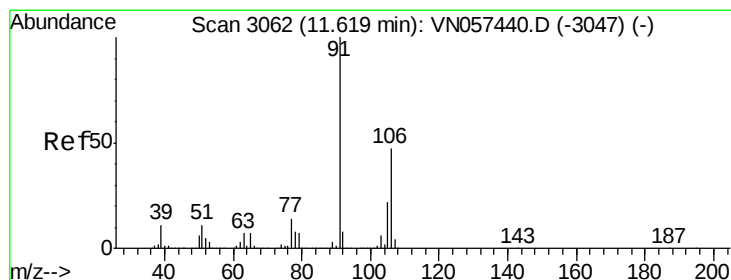
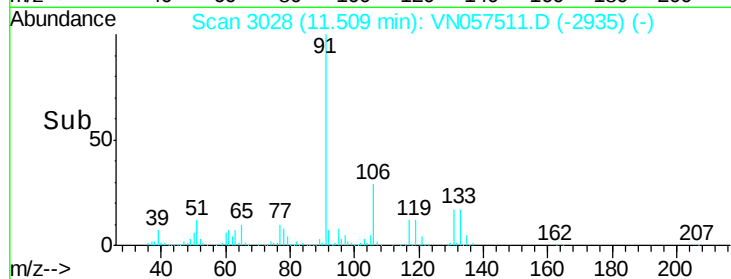
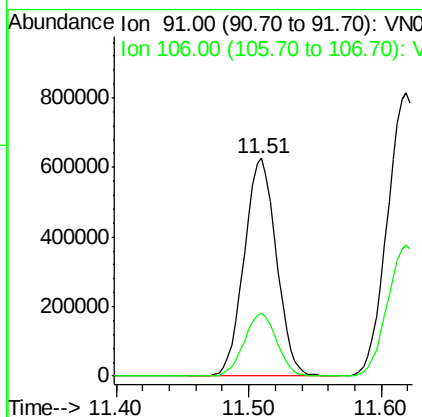
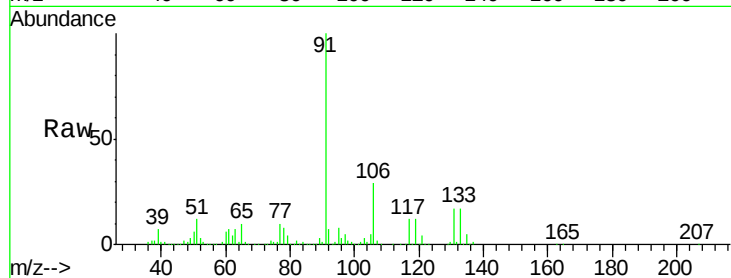
#67
Ethyl Benzene
Concen: 47.227 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1057935
Ion Ratio Lower Upper
91 100
106 28.8 24.1 36.1

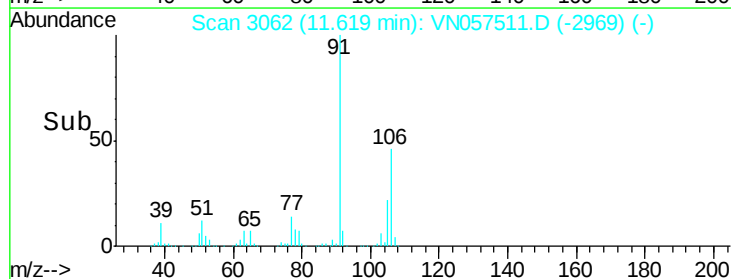
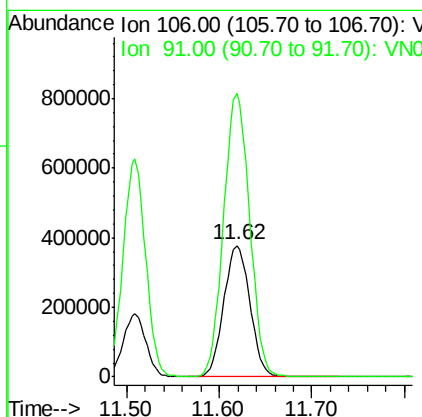
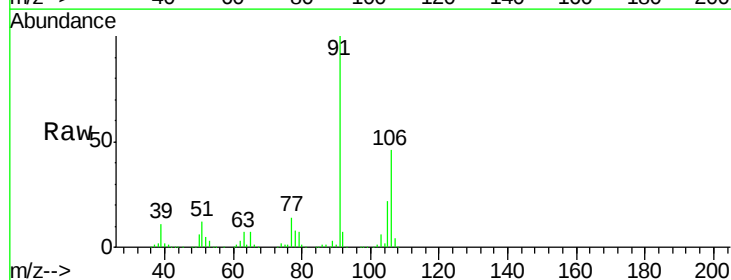
Manual Integrations
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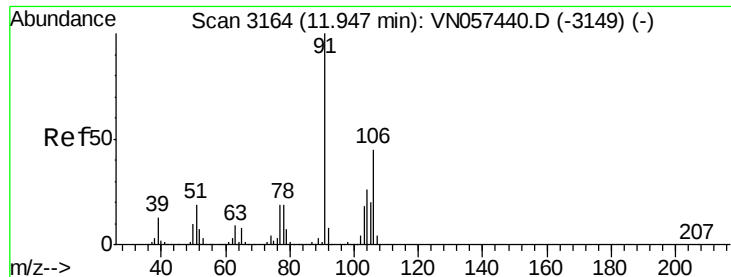
MMDadoda
8/27/2019 5:30:34 PM



#68
m/p-Xylenes
Concen: 97.177 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion: 106 Resp: 740309
Ion Ratio Lower Upper
106 100
91 214.4 171.8 257.6





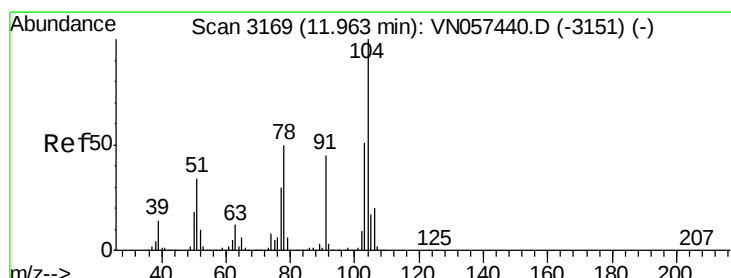
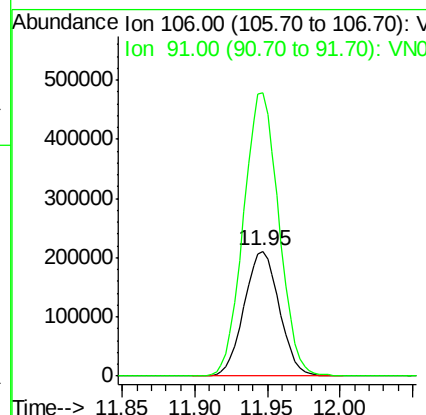
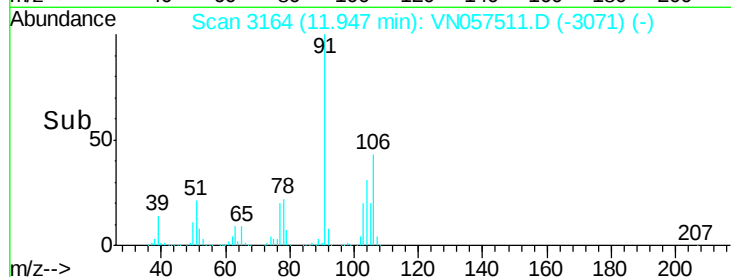
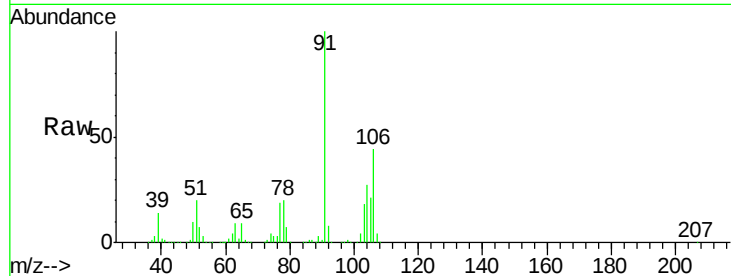
#69
o-Xylene
Concen: 47.292 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	227.9	112.3	336.9

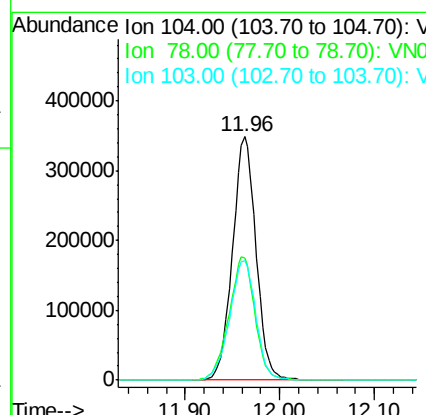
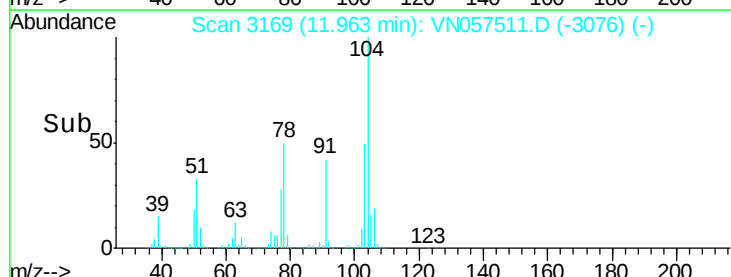
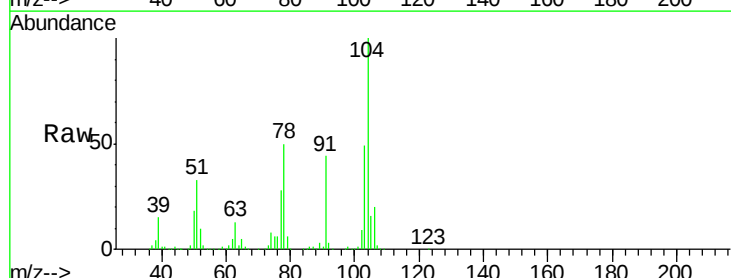
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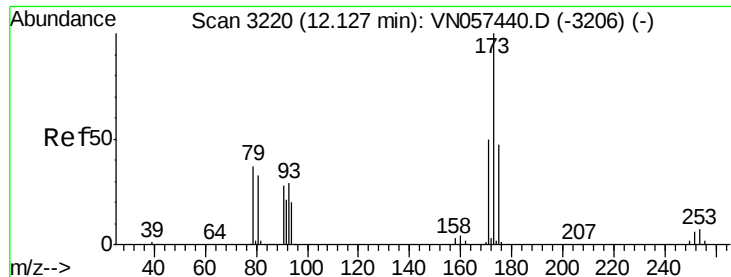
MMDadoda
8/27/2019 5:30:34 PM



#70
Styrene
Concen: 50.255 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.2	44.7	67.1
103	54.9	44.4	66.6





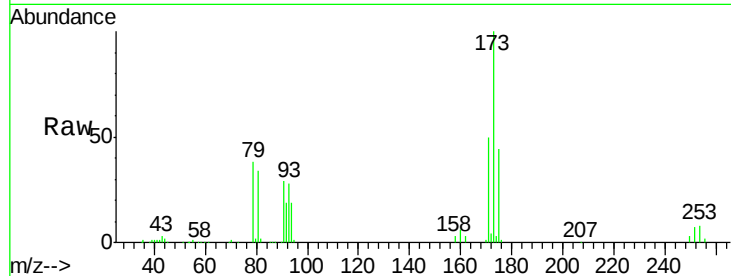
#71
Bromoform
Concen: 43.494 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.9	71.8
254	0.0	0.1	0.1#

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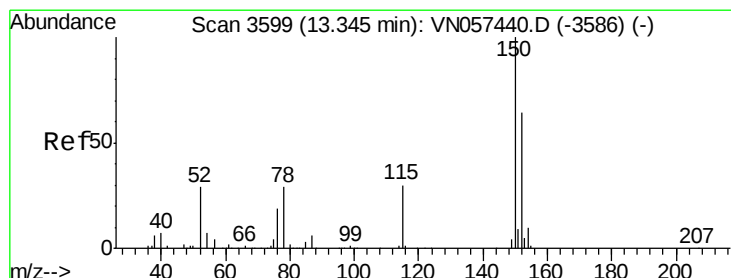
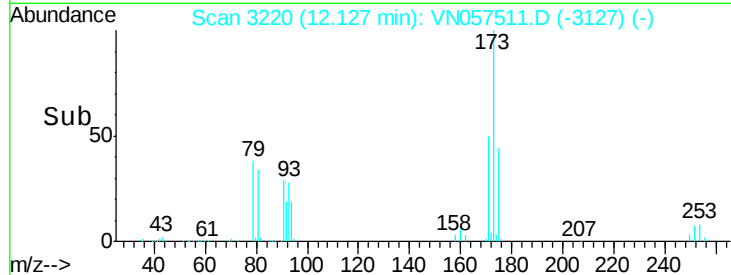
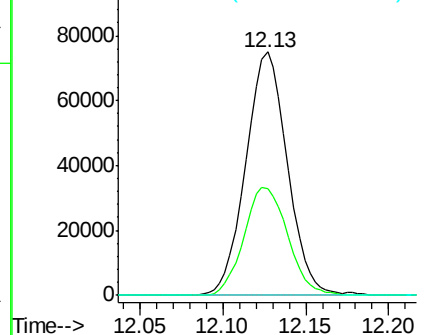


Abundance

Ion 172.70 (172.40 to 173.40): V

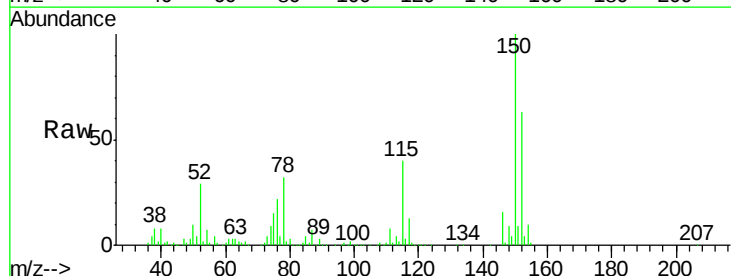
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	32.0	96.0
150	174.4	0.0	346.6

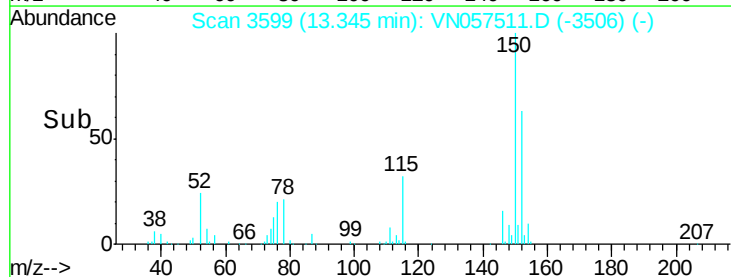
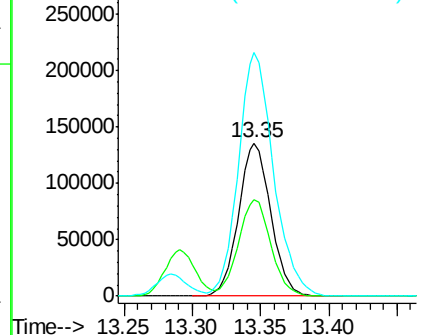


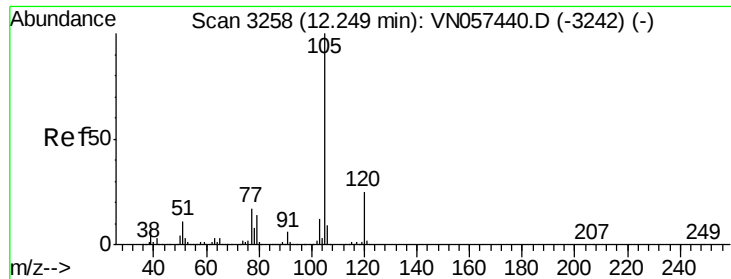
Abundance

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: 50.335 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 987913

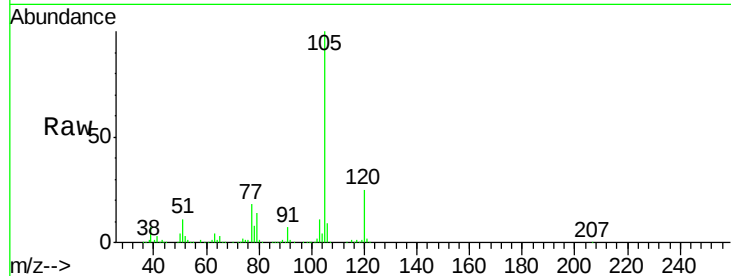
Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0

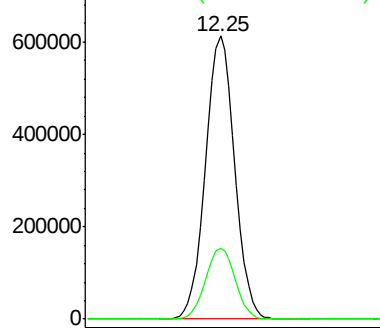
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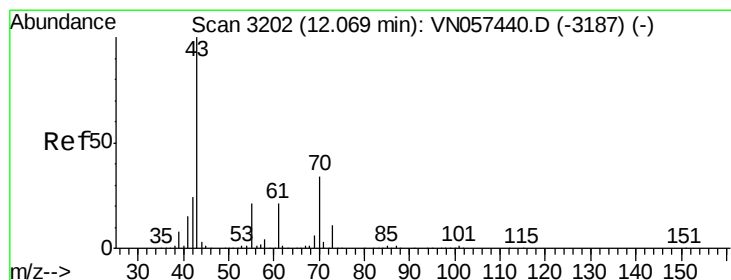
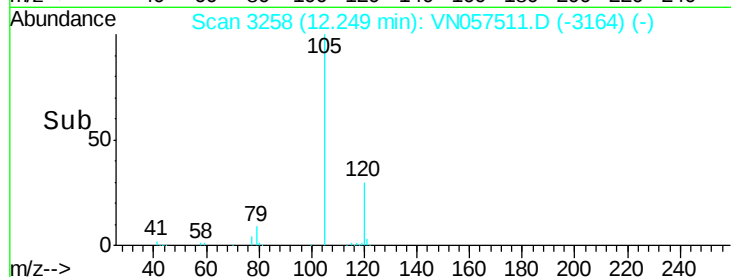


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 47.224 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Tgt Ion: 43 Resp: 438354

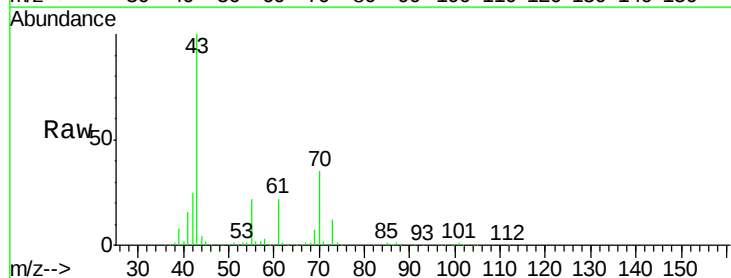
Ion Ratio Lower Upper

43 100

70 35.4 27.8 41.6

55 21.4 17.0 25.4

61 21.5 17.0 25.6

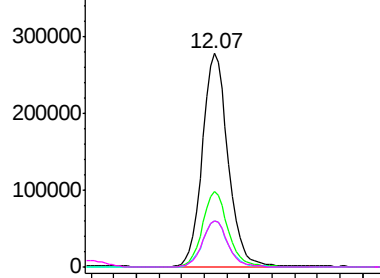


Abundance Ion 43.00 (42.70 to 43.70): V

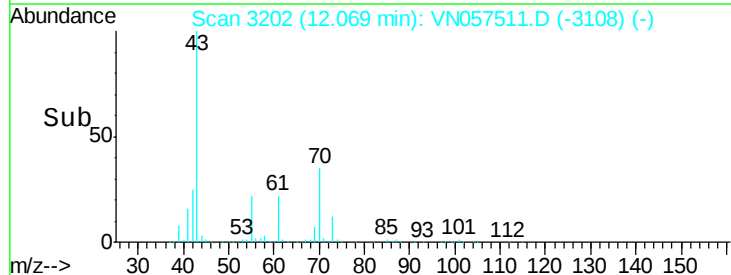
Ion 70.00 (69.70 to 70.70): V

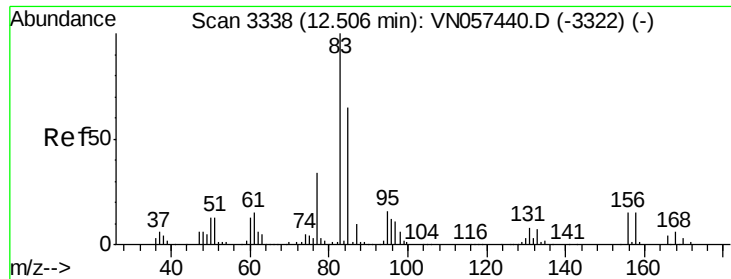
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.784 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

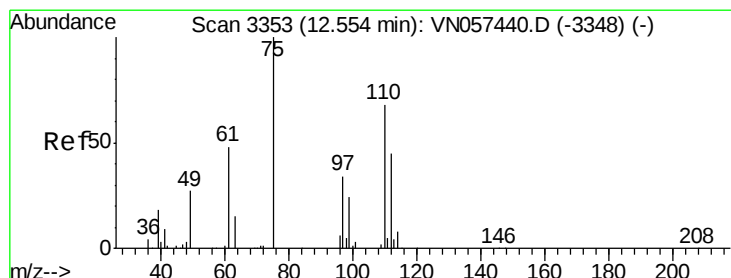
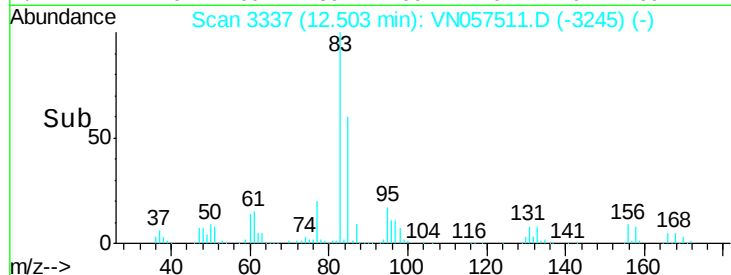
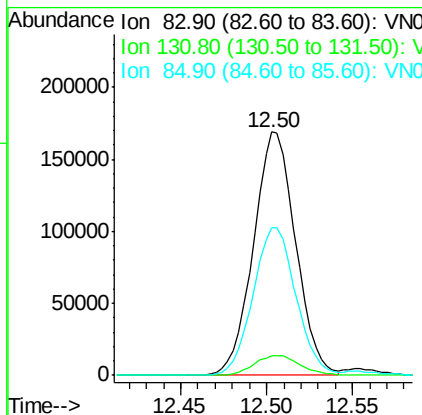
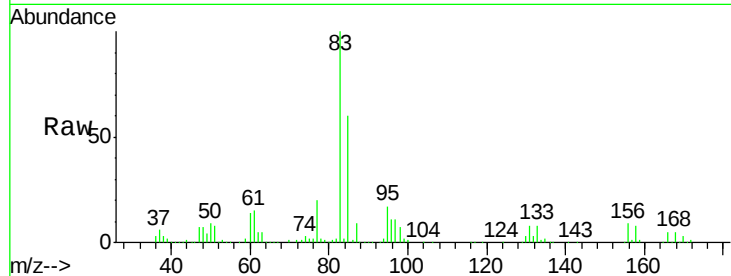
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	286809
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.3	13.1
85	61.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.598 ug/l m

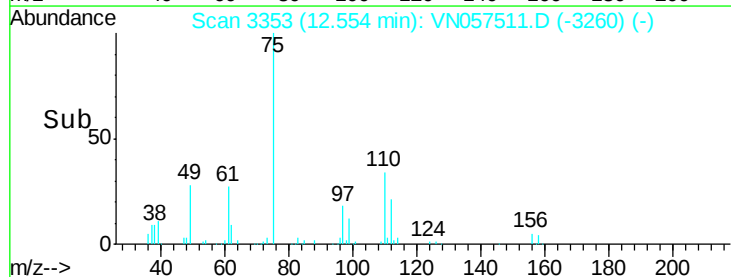
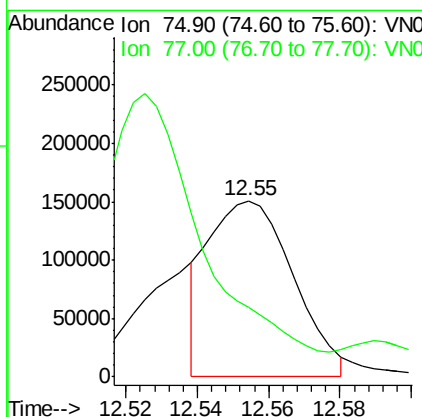
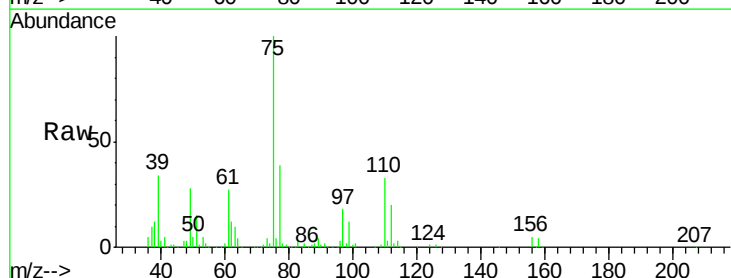
RT: 12.55 min Scan# 3353

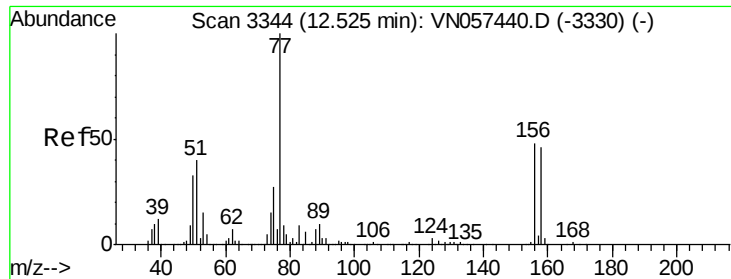
Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Tgt Ion:	75	Resp:	247618
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





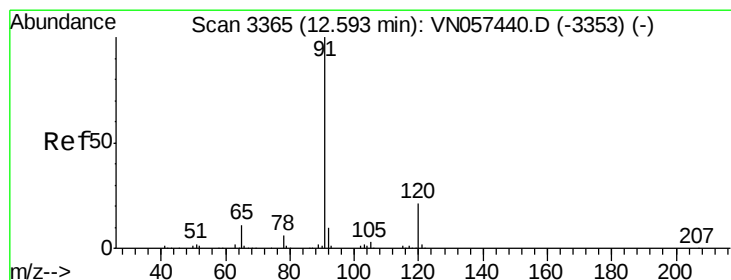
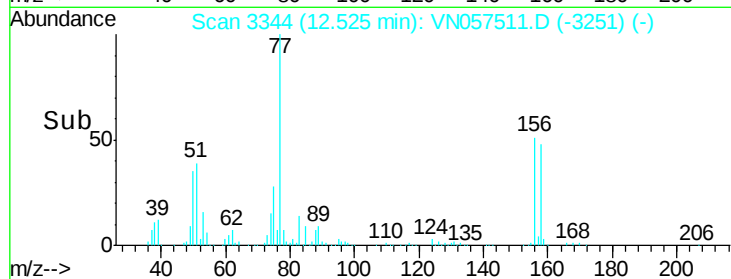
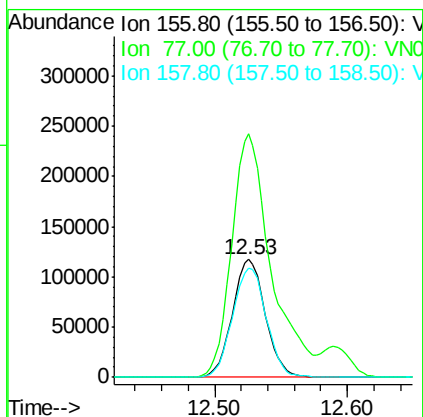
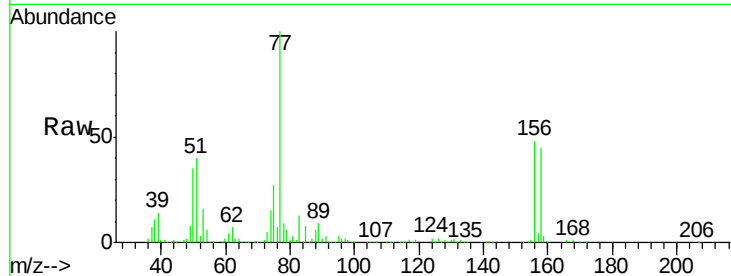
#77
Bromobenzene
Concen: 49.800 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	248.4	124.4	373.3	
158	95.5	48.3	144.8	

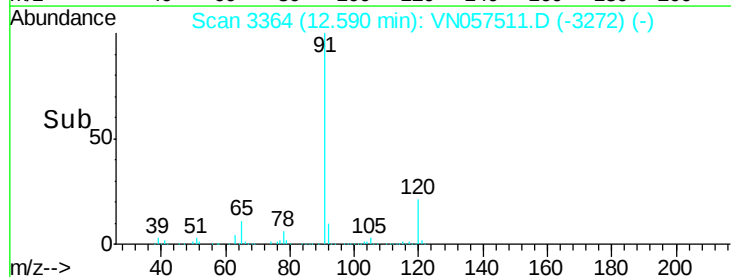
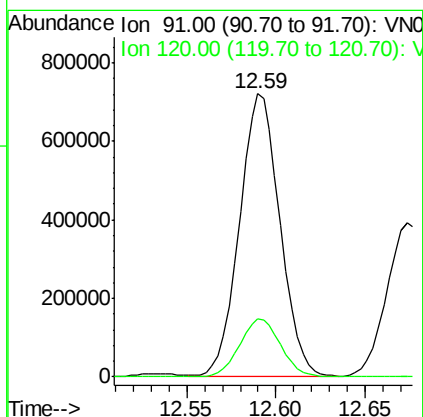
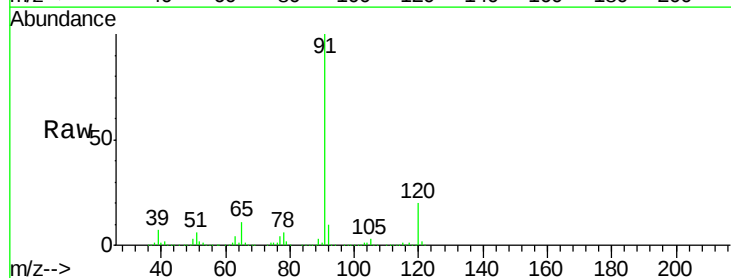
Manual Integrations
APPROVED

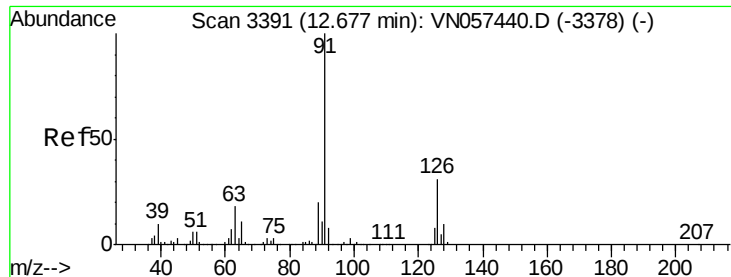
MMDadoda
8/27/2019 5:30:34 PM



#78
n-propylbenzene
Concen: 50.380 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.9	10.7	32.1	





#79

2-Chlorotoluene

Concen: 49.923 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 659192

Ion Ratio Lower Upper

91 100

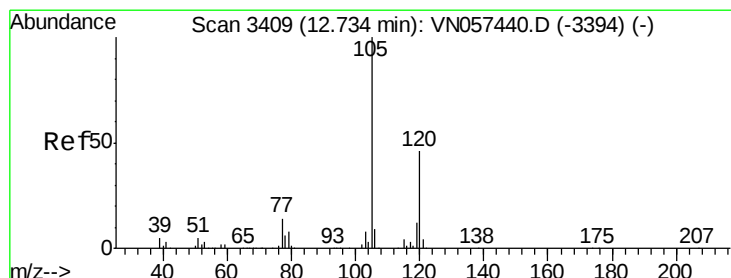
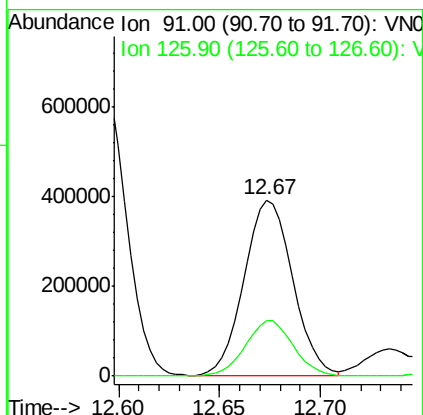
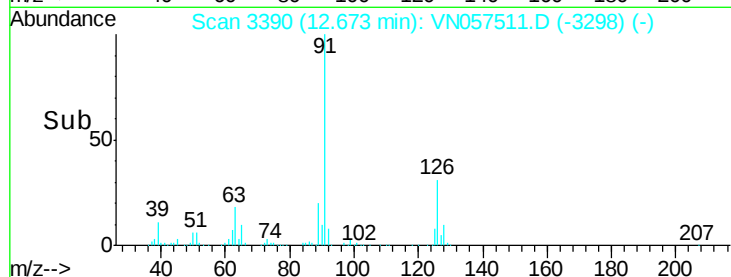
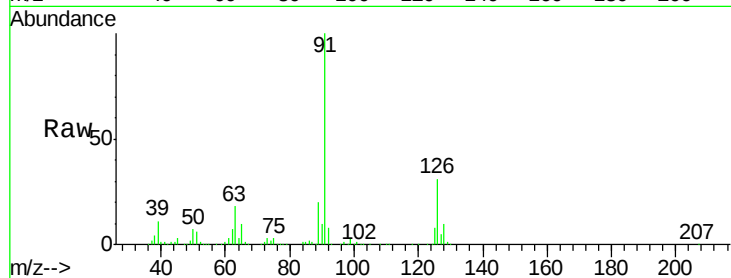
126 31.3 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.926 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057511.D

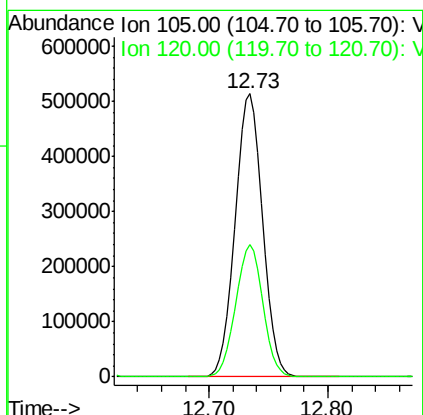
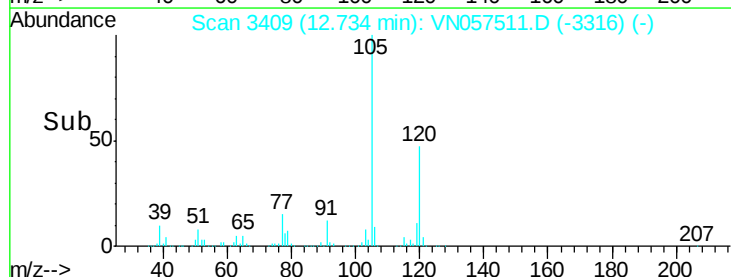
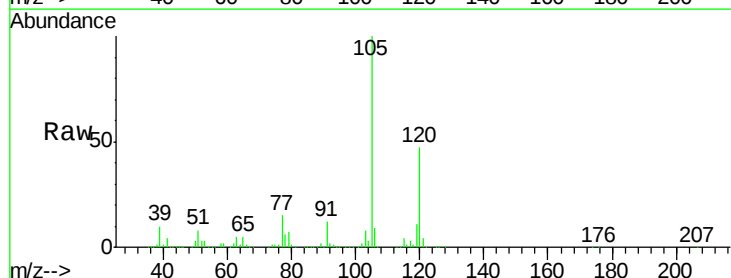
Acq: 26 Aug 2019 14:59

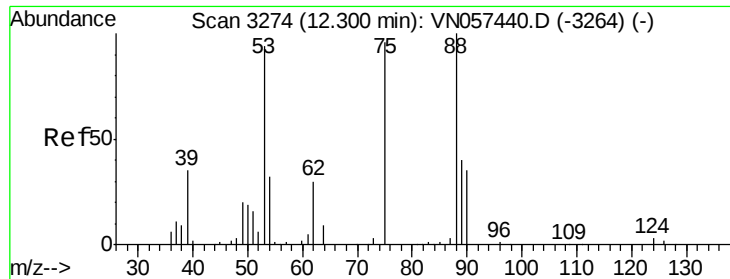
Tgt Ion: 105 Resp: 820703

Ion Ratio Lower Upper

105 100

120 46.2 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.790 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 89991

Ion Ratio Lower Upper

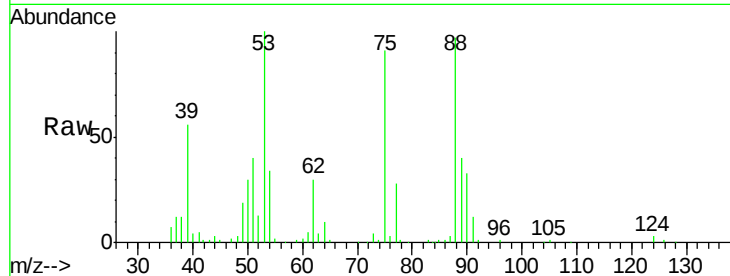
75 100

53 109.9 82.7 124.1

89 44.5 35.8 53.8

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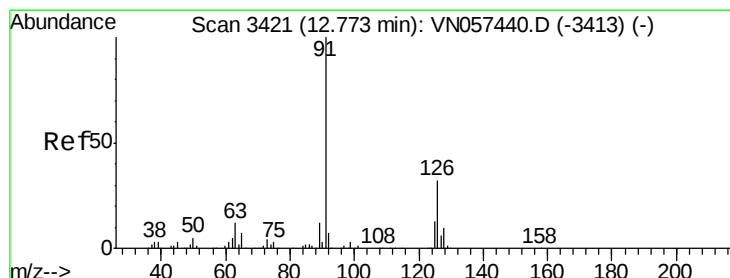
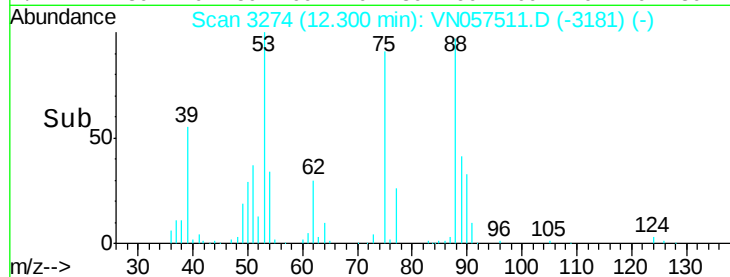
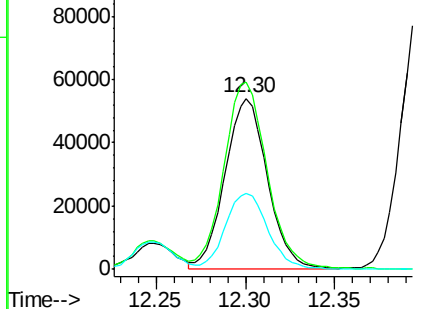
MMDadoda
8/27/2019 5:30:34 PM



Abundance Ion 74.90 (74.60 to 75.60): VN057511.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN057511.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN057511.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 50.106 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057511.D

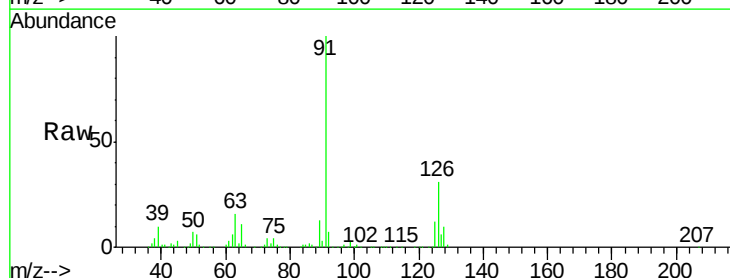
Acq: 26 Aug 2019 14:59

Tgt Ion: 91 Resp: 660421

Ion Ratio Lower Upper

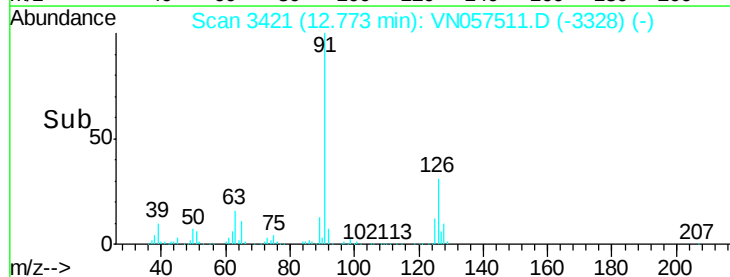
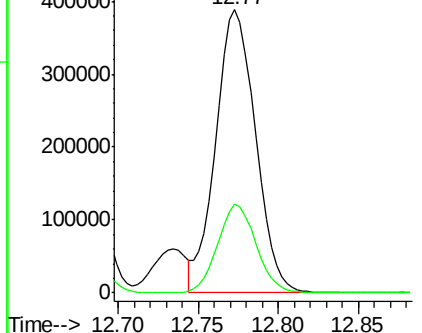
91 100

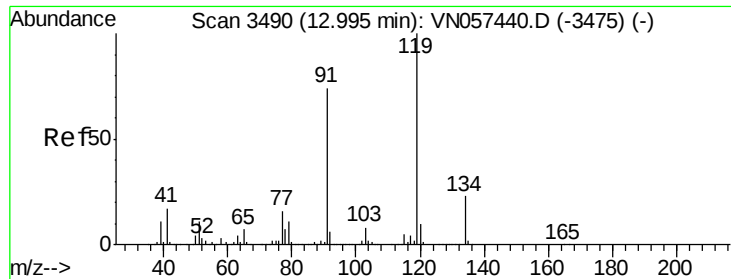
126 30.4 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN057511.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN057511.D (-3328) (-)





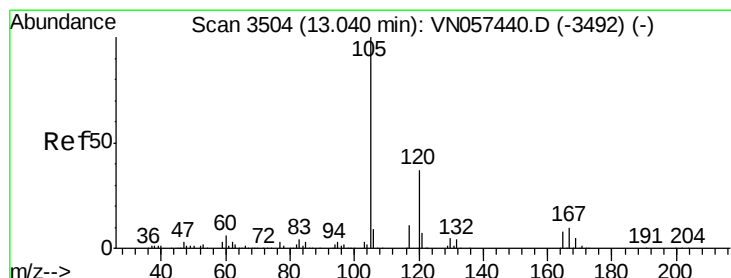
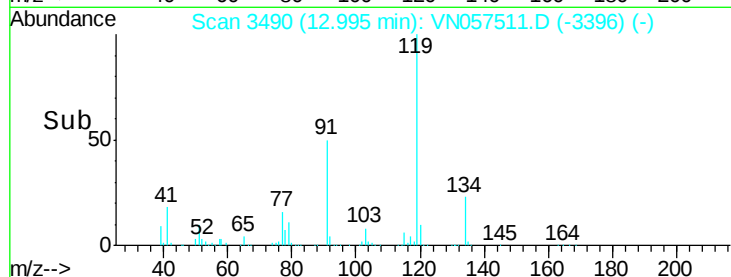
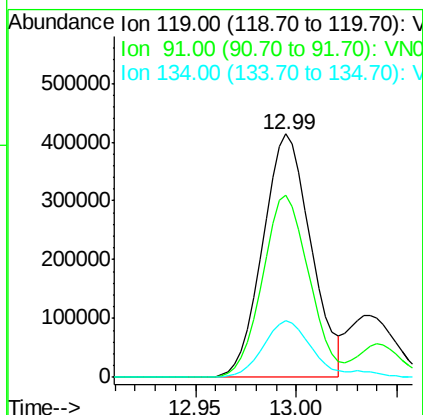
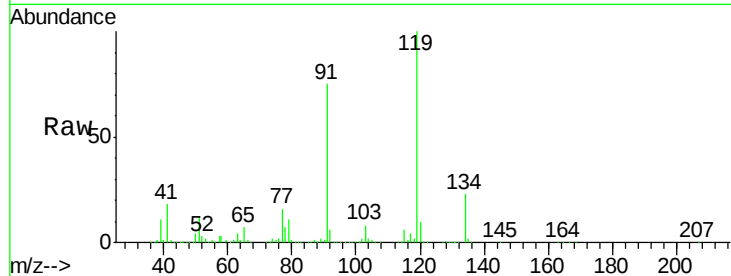
#83
tert-Butylbenzene
Concen: 51.048 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.8	37.0	111.0
134	24.6	12.2	36.6

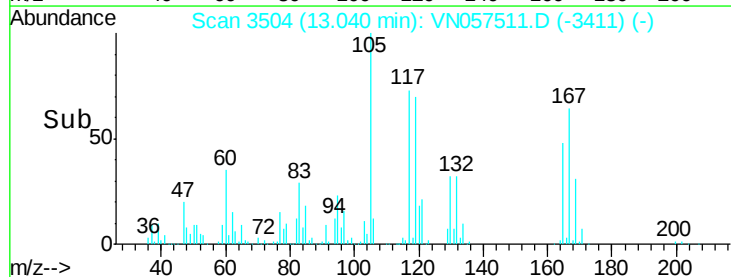
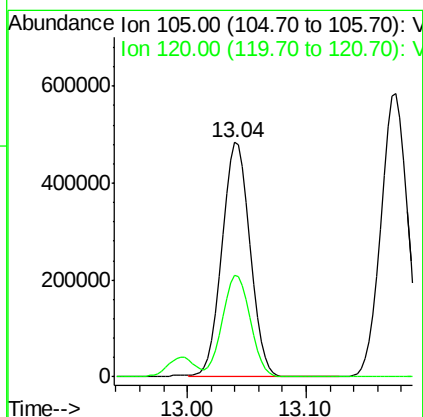
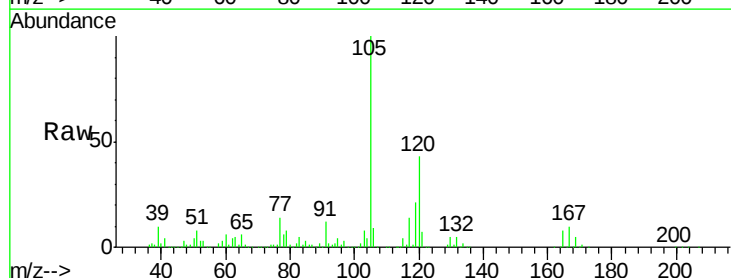
Manual Integrations
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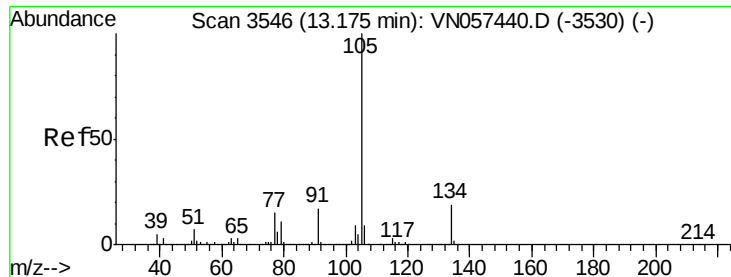
MMDadoda
8/27/2019 5:30:34 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.056 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 50.427 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 921694

Ion Ratio Lower Upper

105 100

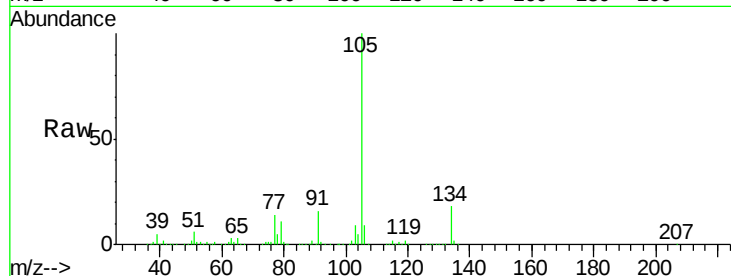
134 18.5 9.3 27.9

Manual Integrations

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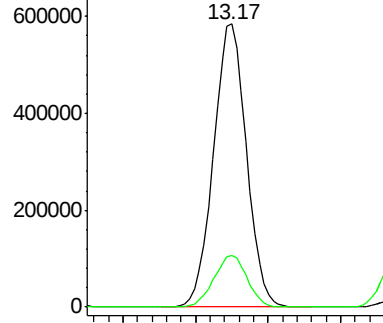
MMDadoda

8/27/2019 5:30:34 PM

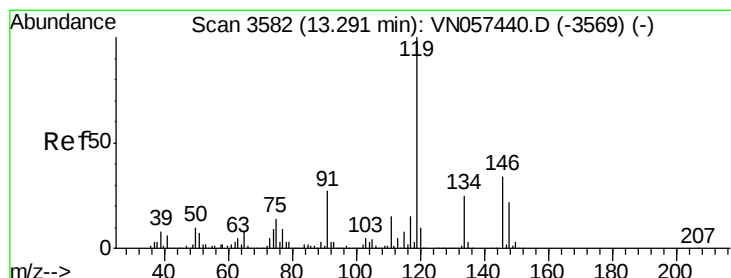
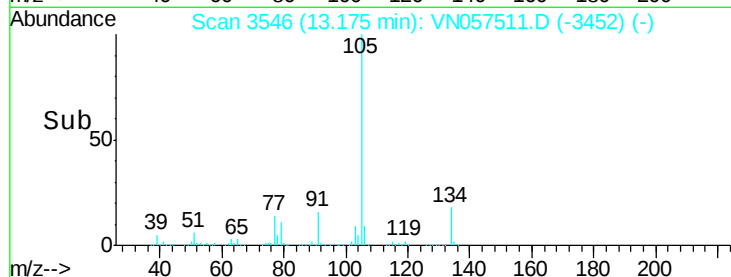


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 45.176 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

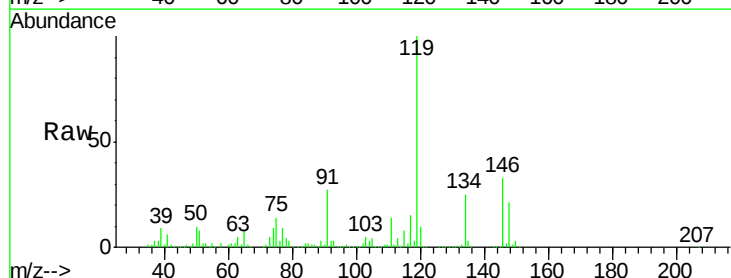
Tgt Ion:119 Resp: 781415

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

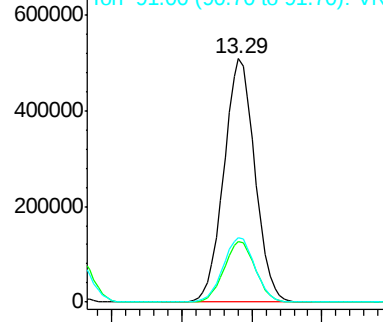
91 26.9 13.9 41.6



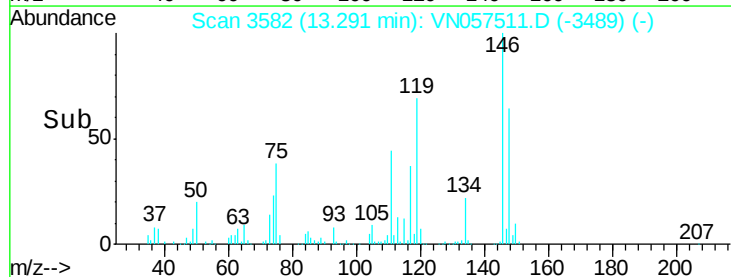
Abundance Ion 119.00 (118.70 to 119.70): V

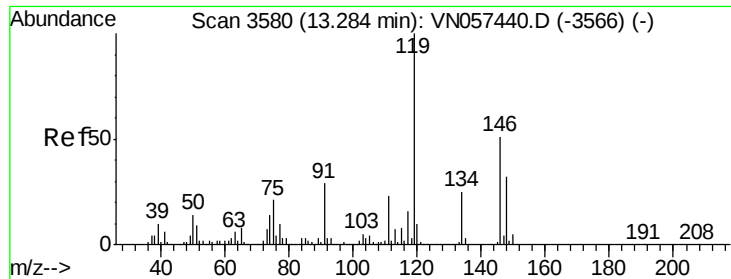
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





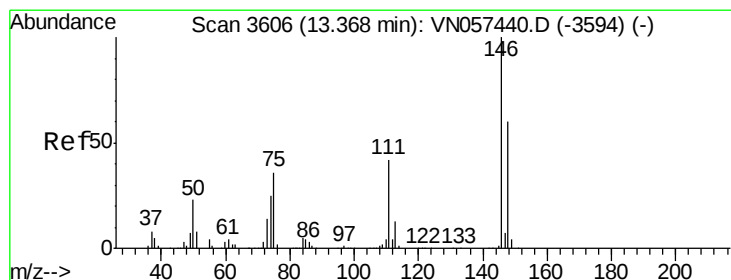
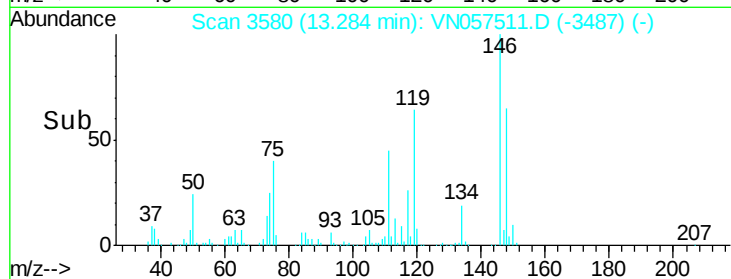
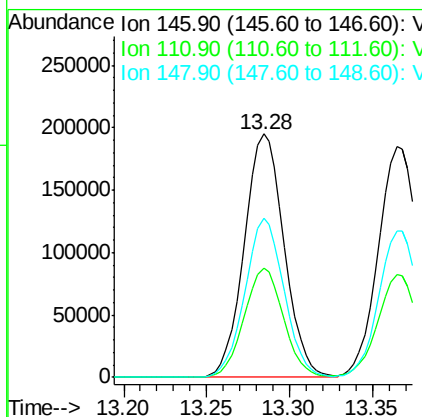
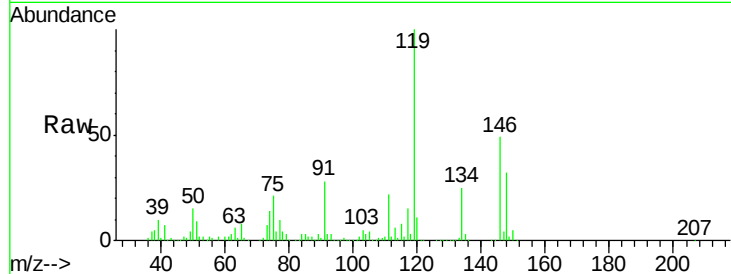
#87
 1,3-Dichlorobenzene
 Concen: 45.701 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	326664		
111	44.2	22.1	66.1	
148	64.0	31.9	95.9	

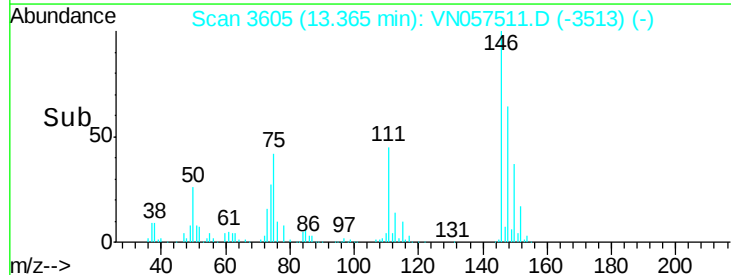
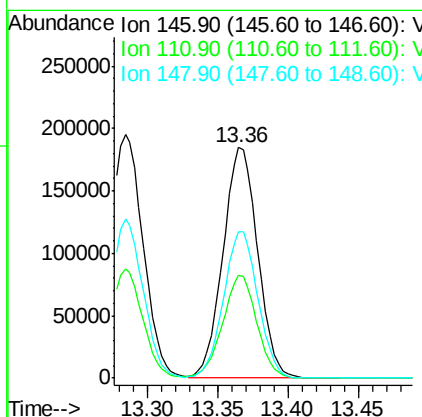
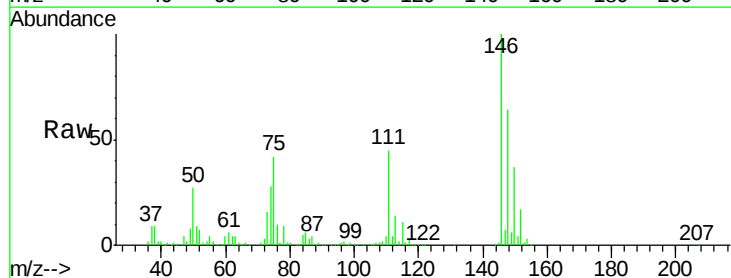
Manual Integrations
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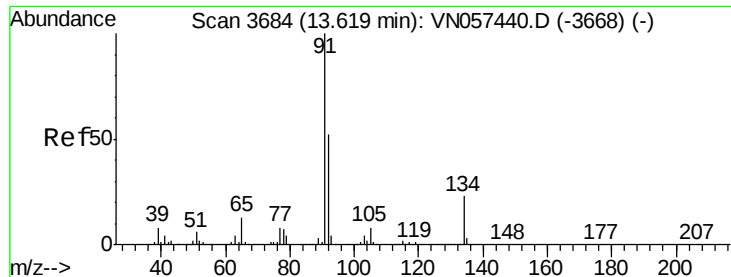
MMDadoda
 8/27/2019 5:30:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.285 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	316999		
111	44.2	21.9	65.5	
148	63.1	31.1	93.2	





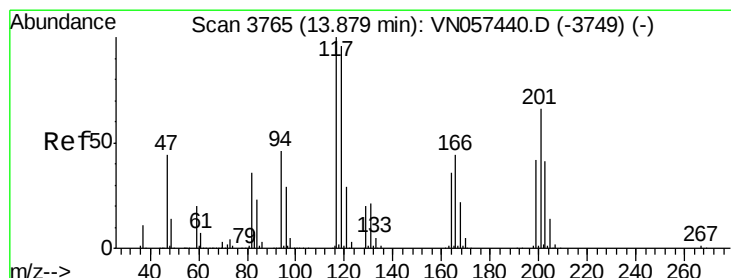
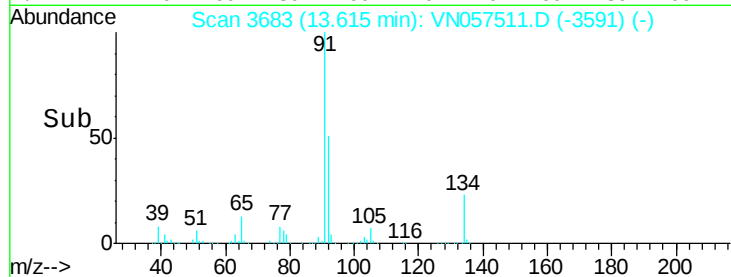
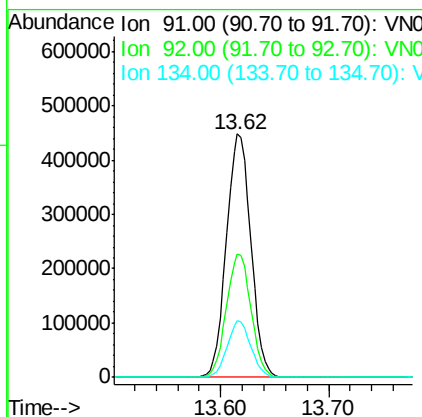
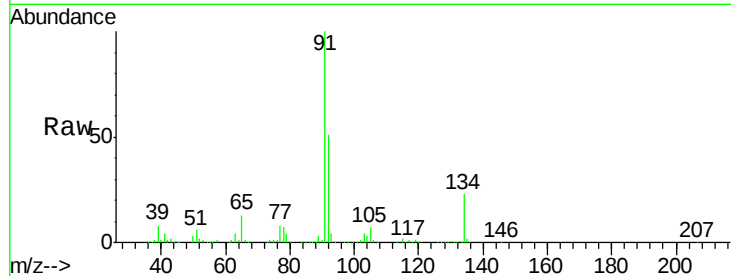
#89
n-Butylbenzene
Concen: 48.437 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.0	25.7	77.0	
134	22.2	11.4	34.1	

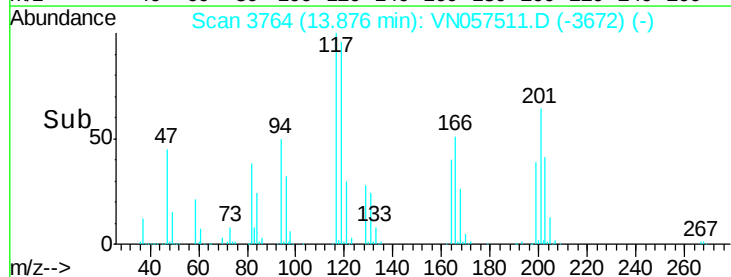
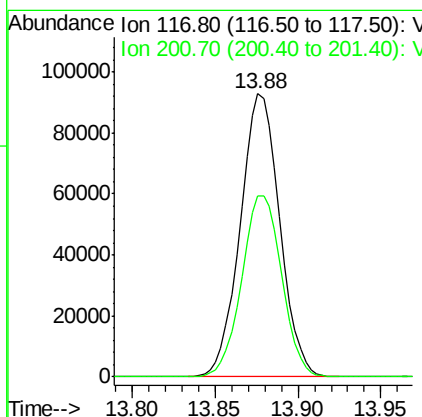
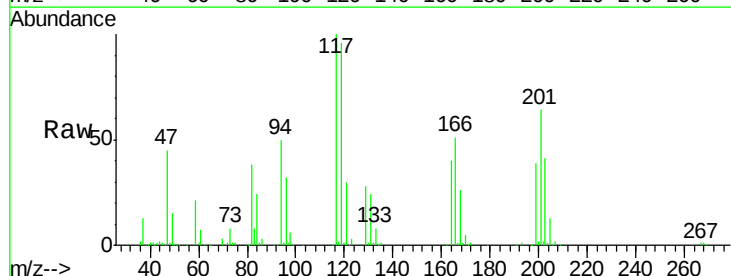
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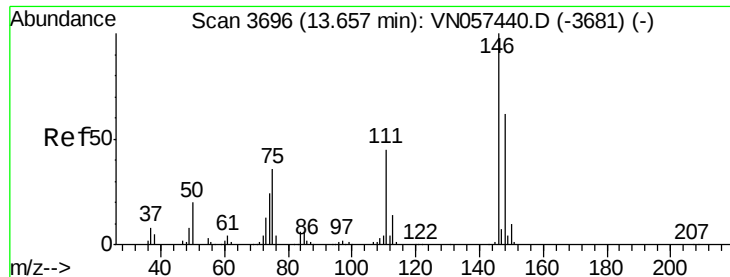
MMDadoda
8/27/2019 5:30:34 PM



#90
Hexachloroethane
Concen: 47.331 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057511.D
Acq: 26 Aug 2019 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	64.9	33.1	99.3	





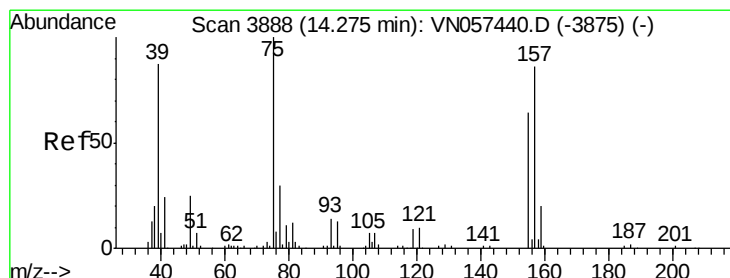
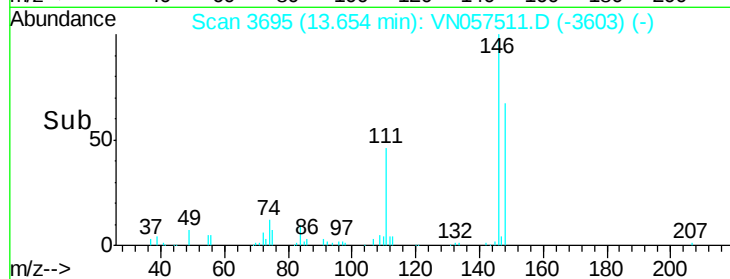
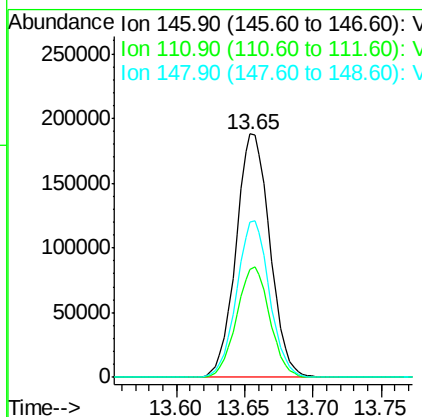
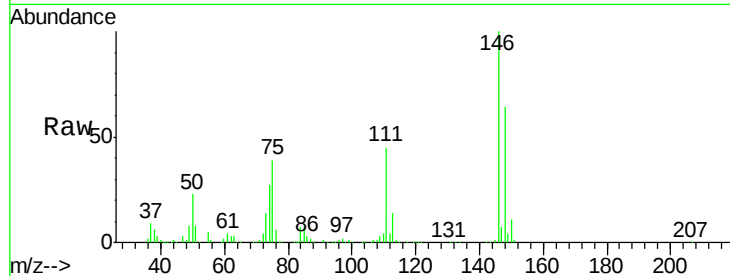
#91
 1,2-Dichlorobenzene
 Concen: 47.439 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	23.1	69.2
148	62.4	31.8	95.4

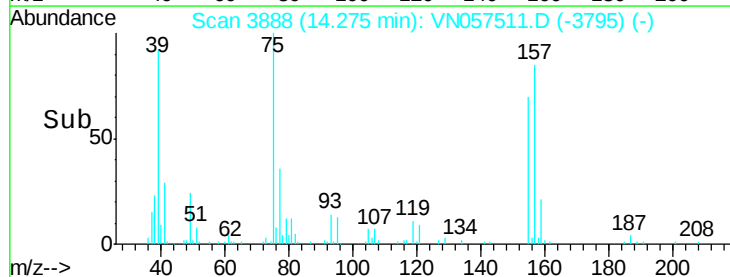
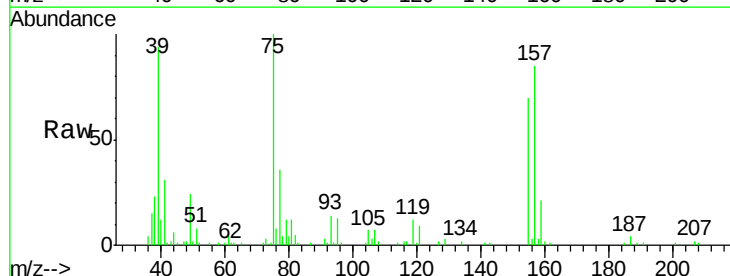
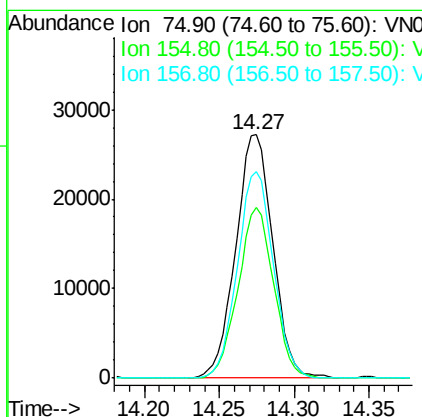
Manual Integrations
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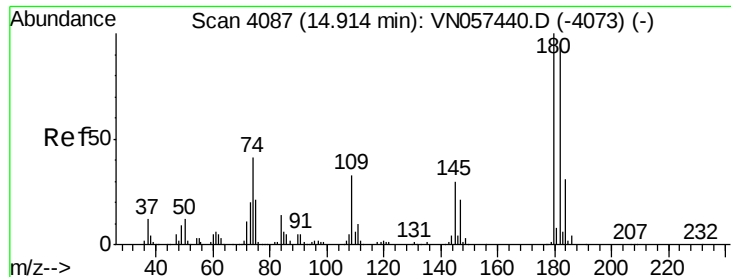
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.487 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.1	31.6	94.7
157	81.8	43.3	129.8





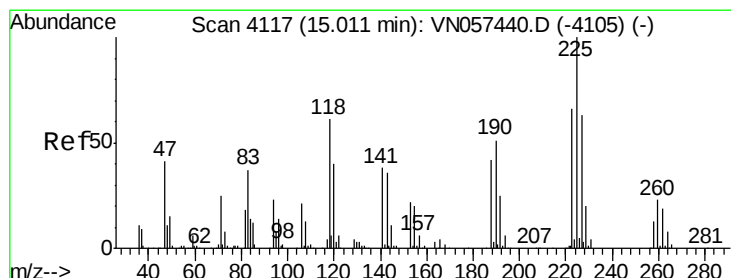
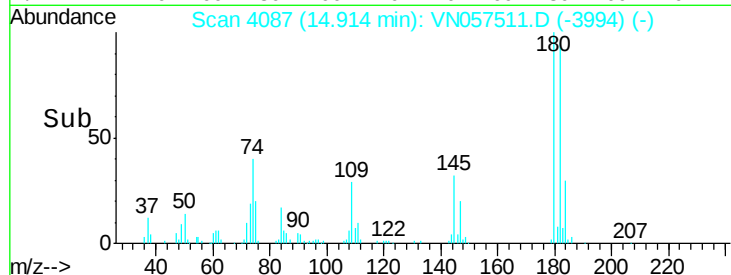
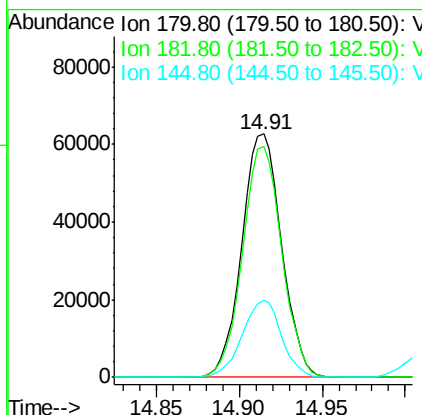
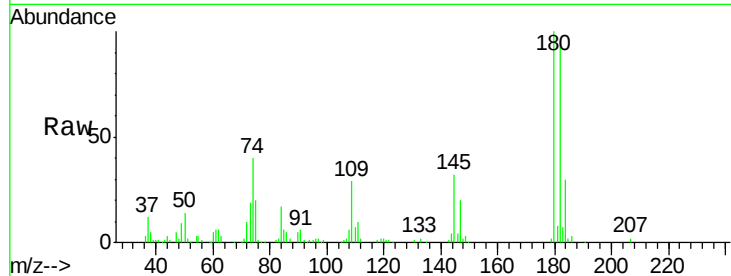
#93
 1,2,4-Trichlorobenzene
 Concen: 39.117 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104381		
182	93.7	46.7	140.1	
145	31.3	15.6	46.8	

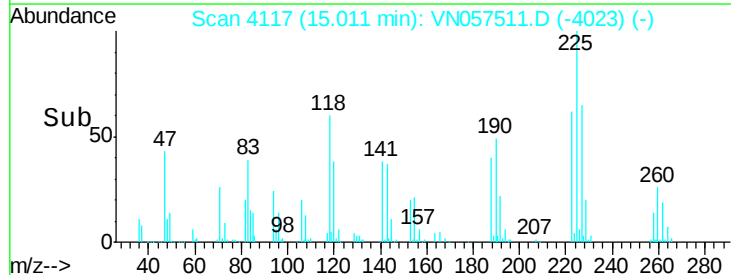
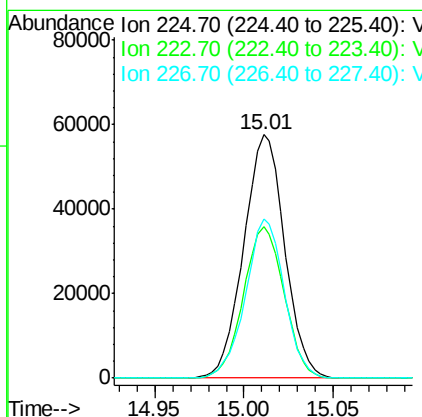
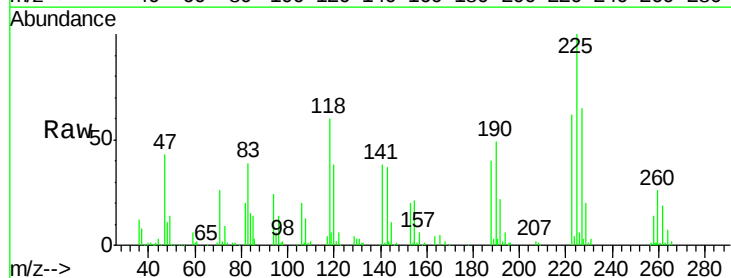
Manual Integrations
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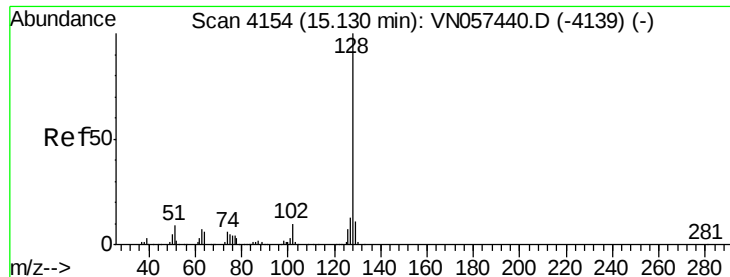
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#94
 Hexachlorobutadiene
 Concen: 53.340 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057511.D
 Acq: 26 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92342		
223	61.8	32.0	96.2	
227	61.8	31.5	94.5	





#95

Naphthalene

Concen: 38.644 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Instrument :

MSVOA_N

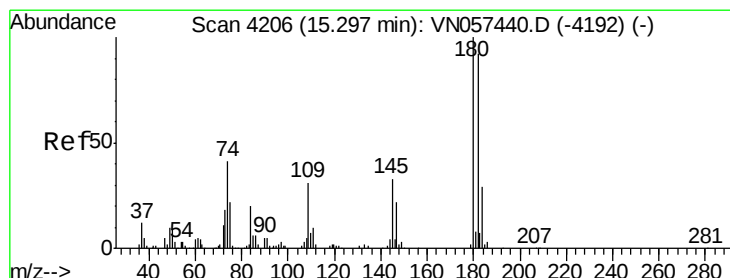
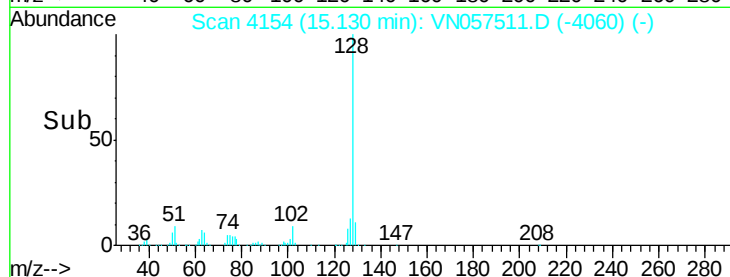
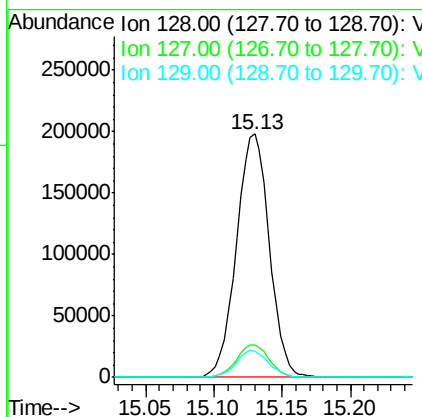
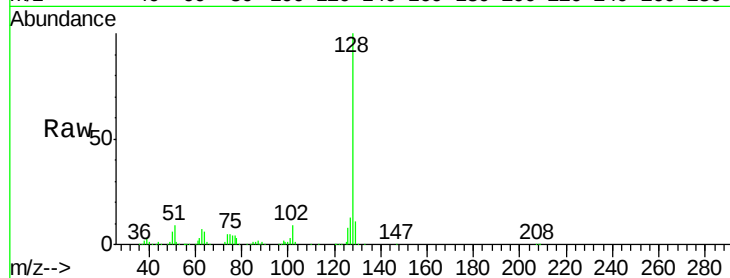
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	330703
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 39.292 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057511.D

Acq: 26 Aug 2019 14:59

Tgt Ion:	180	Resp:	105026
Ion Ratio	Lower	Upper	
180	100		
182	93.6	46.7	140.1
145	32.4	16.8	50.3

