

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057460.D
 Acq On : 23 Aug 2019 3:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:39:53 PM

Quant Time: Aug 23 06:00:14 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	365995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	698793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	622222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	336569	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	7.57	113	231887	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.08	98	906504	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	309417	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	218608	50.616	ug/l	94
3) Chloromethane	2.05	50	298231	48.347	ug/l	100
4) Vinyl Chloride	2.17	62	379646	50.564	ug/l	99
5) Bromomethane	2.54	94	223902	48.390	ug/l	99
6) Chloroethane	2.69	64	241805	50.068	ug/l	94
7) Trichlorofluoromethane	3.00	101	573451	49.205	ug/l	97
8) Diethyl Ether	3.39	74	207998	53.156	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	200431	34.078	ug/l	98
10) Methyl Iodide	3.92	142	242666	50.992	ug/l	99
11) Tert butyl alcohol	4.79	59	188988	236.252	ug/l	100
12) 1,1-Dichloroethene	3.70	96	250773	40.254	ug/l	95
13) Acrolein	3.58	56	205961	292.807	ug/l	97
14) Allyl chloride	4.29	41	401033	48.603	ug/l	98
15) Acrylonitrile	4.97	53	544374	252.343	ug/l	100
16) Acetone	3.80	43	446825	151.122	ug/l	99
17) Carbon Disulfide	4.02	76	552505	46.494	ug/l	99
18) Methyl Acetate	4.30	43	353485	55.504	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	714306	47.500	ug/l	96
20) Methylene Chloride	4.52	84	222384	50.730	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	205669	46.785	ug/l	96
22) Diisopropyl ether	5.93	45	895525	50.666	ug/l	98
23) Vinyl Acetate	5.87	43	3398691	246.184	ug/l	100
24) 1,1-Dichloroethane	5.82	63	454659	48.537	ug/l	98
25) 2-Butanone	6.82	43	793805	247.244	ug/l	99
26) 2,2-Dichloropropane	6.80	77	285947	35.250	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	250824	48.132	ug/l	97
28) Bromochloromethane	7.18	49	269435	53.412	ug/l	98
29) Tetrahydrofuran	7.20	42	529926	250.311	ug/l	100
30) Chloroform	7.36	83	443626	51.045	ug/l	97
31) Cyclohexane	7.63	56	436692	48.285	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	390253	48.567	ug/l	100
36) 1,1-Dichloropropene	7.78	75	328910	46.064	ug/l	99
37) Ethyl Acetate	6.91	43	346070	49.049	ug/l	99
38) Carbon Tetrachloride	7.76	117	320560	45.191	ug/l	98

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 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)
39) Methylcyclohexane	9.07	83	397420	46.865	ug/l	98
40) Benzene	8.03	78	986852	46.048	ug/l	98
41) Methacrylonitrile	7.16	41	187203	55.643	ug/l	85
42) 1,2-Dichloroethane	8.11	62	384034	46.540	ug/l	98
43) Isopropyl Acetate	8.15	43	605666	46.816	ug/l	99
44) Trichloroethene	8.82	130	224660	46.961	ug/l	93
45) 1,2-Dichloropropane	9.11	63	280867	46.535	ug/l	98
46) Dibromomethane	9.20	93	172928	48.890	ug/l	99
47) Bromodichloromethane	9.40	83	364990	45.838	ug/l	100
48) Methyl methacrylate	9.19	41	296976	48.274	ug/l	99
49) 1,4-Dioxane	9.20	88	75528	949.407	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	1760830	244.217	ug/l	100
52) Toluene	10.15	92	604931	48.975	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	373877	44.826	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	403505	43.451	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	229564	45.958	ug/l	98
56) Ethyl methacrylate	10.43	69	391852	49.869	ug/l	98
57) 1,3-Dichloropropane	10.70	76	411204	47.300	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	524524	240.387	ug/l	100
59) 2-Hexanone	10.75	43	1215312	245.751	ug/l	100
60) Dibromochloromethane	10.90	129	246618	46.719	ug/l	100
61) 1,2-Dibromoethane	11.00	107	232938	47.546	ug/l	99
64) Tetrachloroethene	10.63	164	205113	47.118	ug/l	94
65) Chlorobenzene	11.43	112	581286	46.215	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	225180	46.681	ug/l	100
67) Ethyl Benzene	11.51	91	1173319	48.194	ug/l	99
68) m/p-Xylenes	11.62	106	821574	99.230	ug/l	100
69) o-Xylene	11.95	106	400167	48.790	ug/l	98
70) Styrene	11.96	104	666528	51.322	ug/l	99
71) Bromoform	12.13	173	153439	47.055	ug/l #	99
73) Isopropylbenzene	12.25	105	1091192	50.845	ug/l	100
74) N-amyl acetate	12.07	43	505787	49.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	313328	50.691	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	285759m	53.579	ug/l	
77) Bromobenzene	12.53	156	224254	50.502	ug/l	99
78) n-propylbenzene	12.59	91	1228792	49.875	ug/l	99
79) 2-Chlorotoluene	12.67	91	736484	51.040	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	901422	51.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	95361	43.270	ug/l	98
82) 4-Chlorotoluene	12.77	91	722944	50.122	ug/l	100
83) tert-Butylbenzene	12.99	119	748813	50.795	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	879202	46.700	ug/l	99
85) sec-Butylbenzene	13.17	105	1008799	50.435	ug/l	100
86) p-Isopropyltoluene	13.29	119	845604	44.673	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	359322	45.936	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	347173	45.321	ug/l	98
89) n-Butylbenzene	13.62	91	740642	46.237	ug/l	99
90) Hexachloroethane	13.88	117	177122	50.020	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	354539	47.480	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55567	47.989	ug/l	97

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ClientSampleId :
VSTDCCC050EC

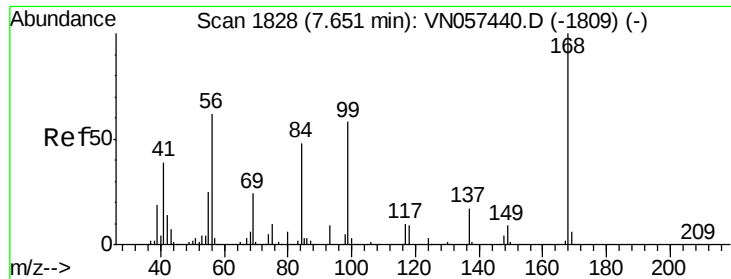
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	114717	39.262	ug/l	99
94) Hexachlorobutadiene	15.01	225	90548	47.436	ug/l	99
95) Naphthalene	15.13	128	397000	41.972	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	118420	40.329	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: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 365995

Ion Ratio Lower Upper

168 100

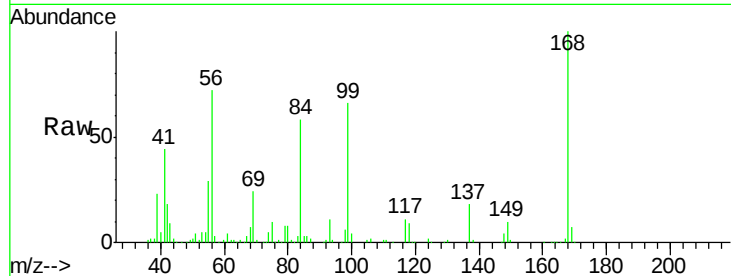
99 66.2 50.6 76.0

Manual Integrations

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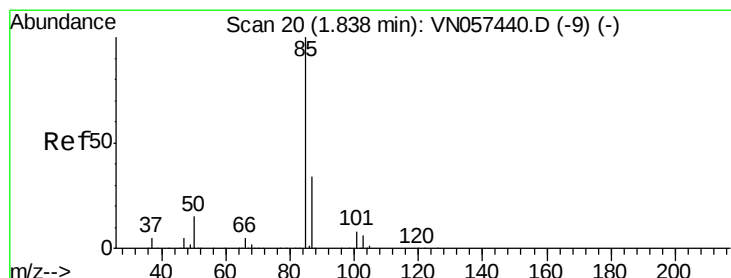
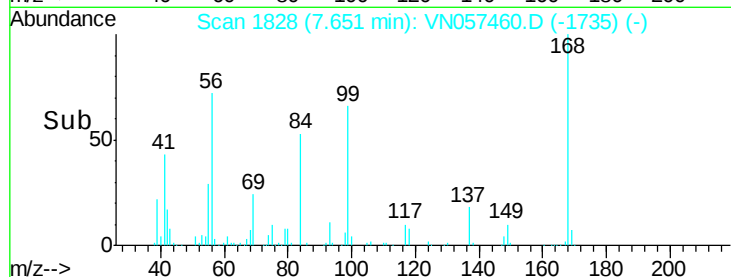
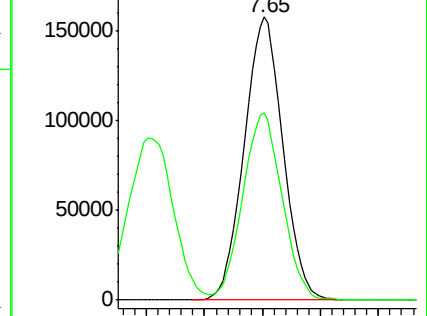
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.616 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057460.D

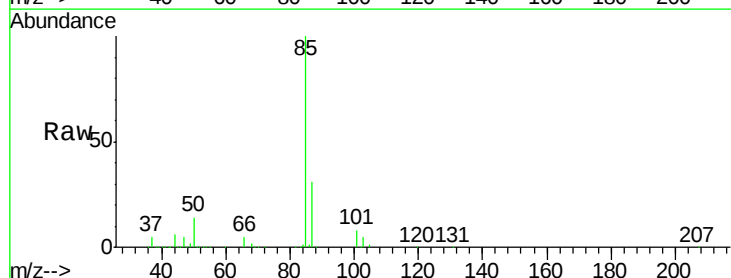
Acq: 23 Aug 2019 3:13

Tgt Ion: 85 Resp: 218608

Ion Ratio Lower Upper

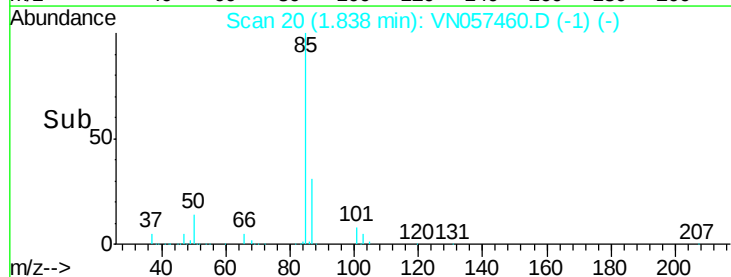
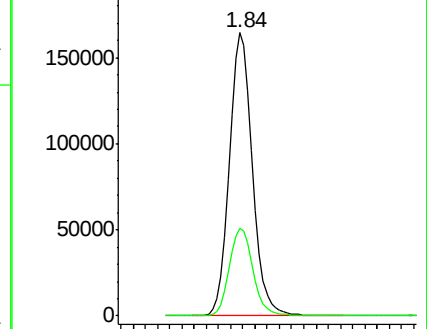
85 100

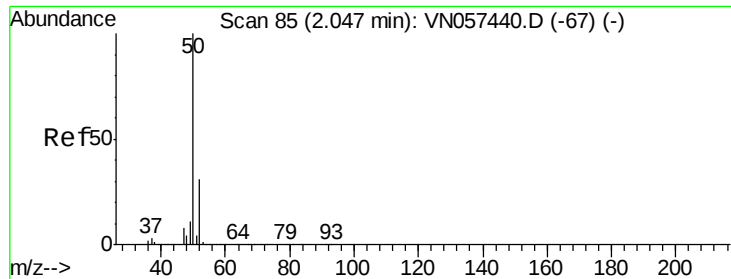
87 30.7 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.347 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 298231

Ion Ratio Lower Upper

50 100

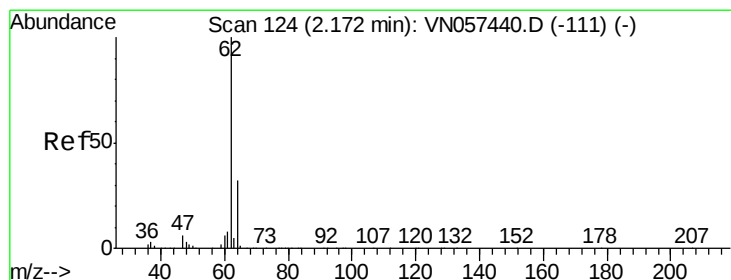
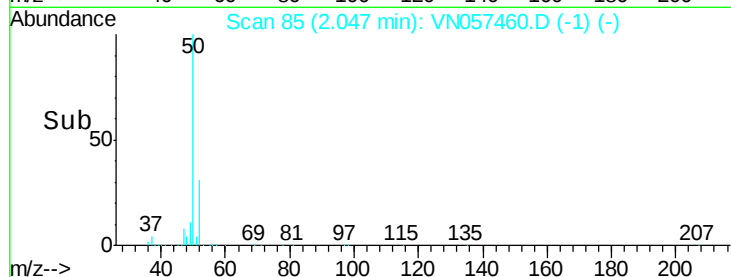
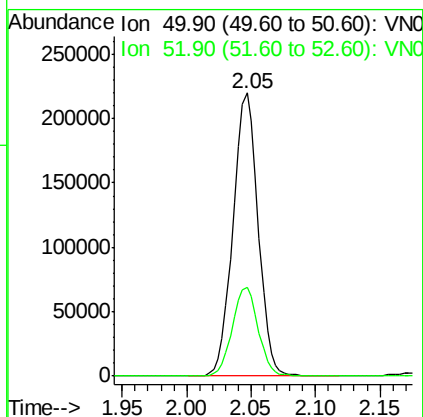
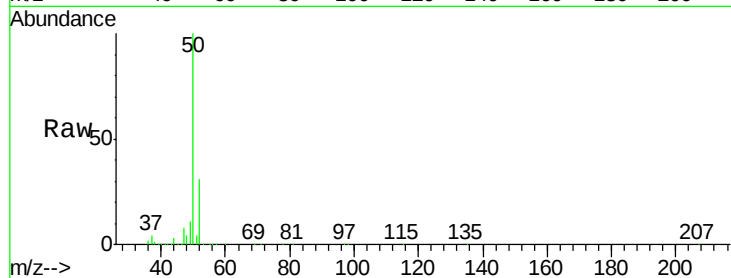
52 31.4 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.564 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057460.D

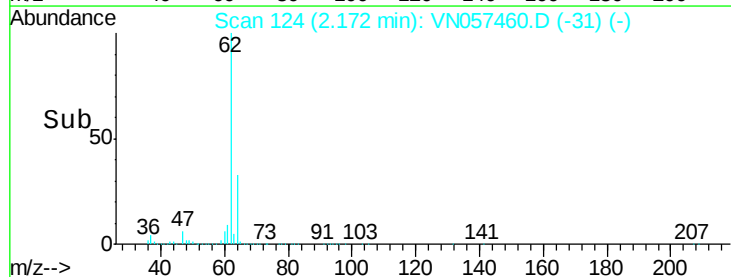
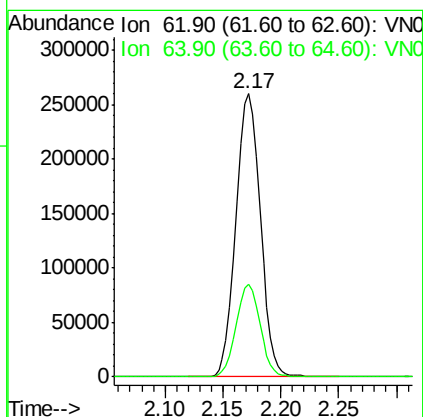
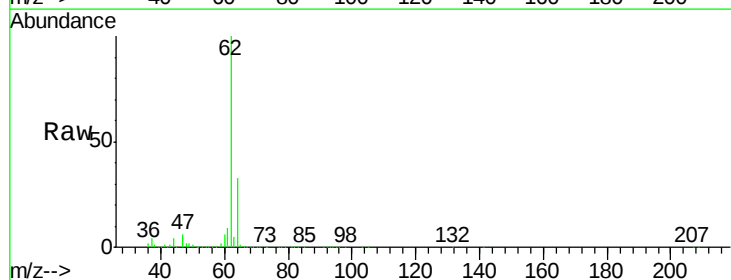
Acq: 23 Aug 2019 3:13

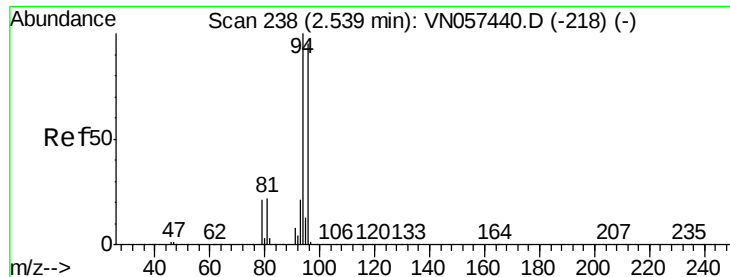
Tgt Ion: 62 Resp: 379646

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 48.390 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 223902

Ion Ratio Lower Upper

94 100

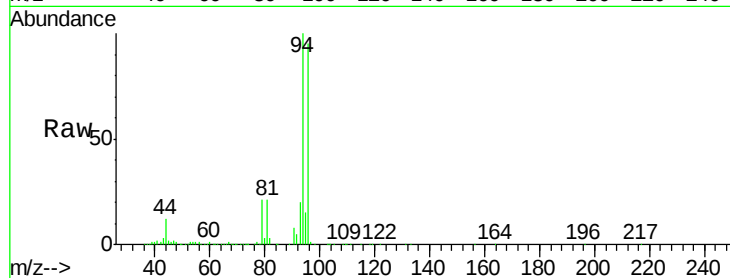
96 94.3 76.2 114.4

Manual Integrations

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8/23/2019 2:39:53 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

120000

100000

80000

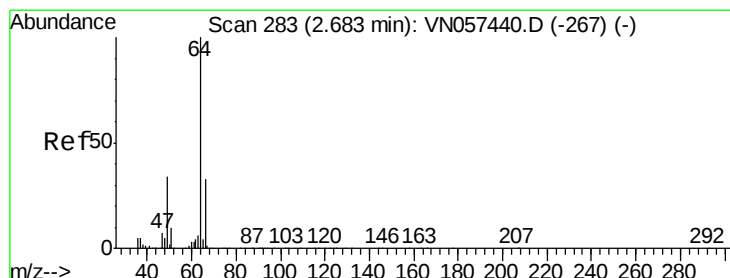
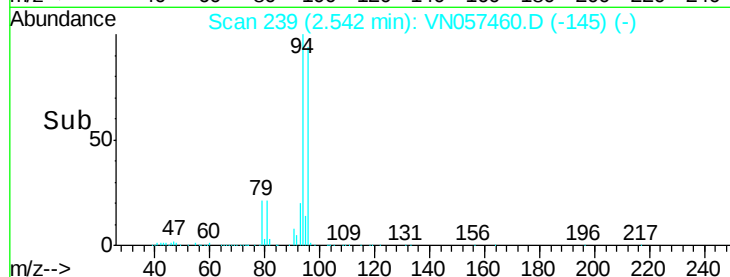
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.068 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057460.D

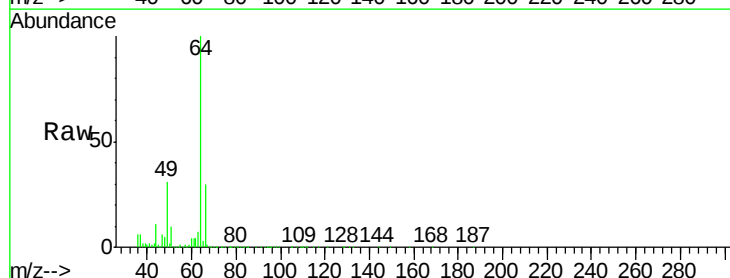
Acq: 23 Aug 2019 3:13

Tgt Ion: 64 Resp: 241805

Ion Ratio Lower Upper

64 100

66 30.3 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

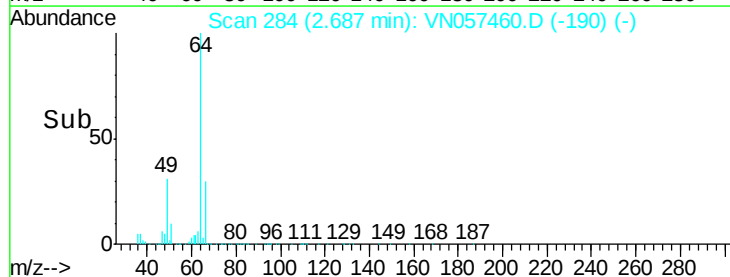
2.69

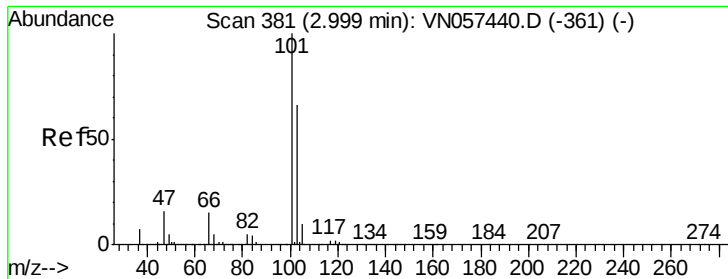
100000

50000

0

Time-->





#7

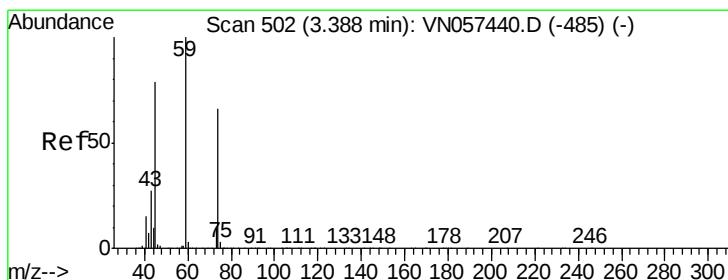
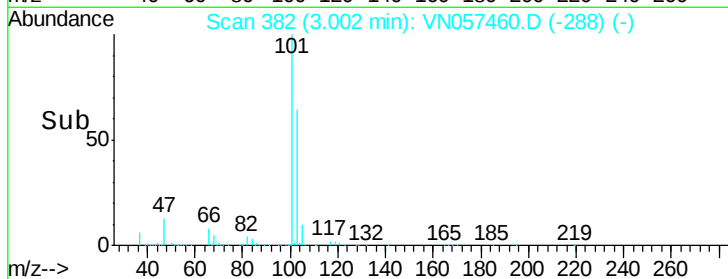
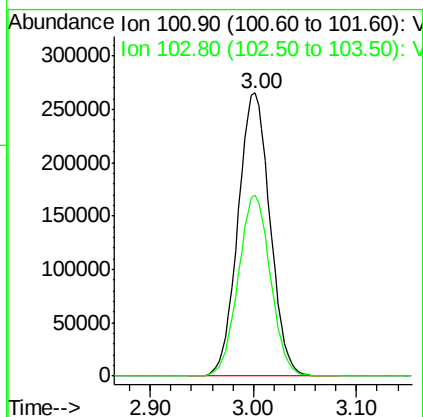
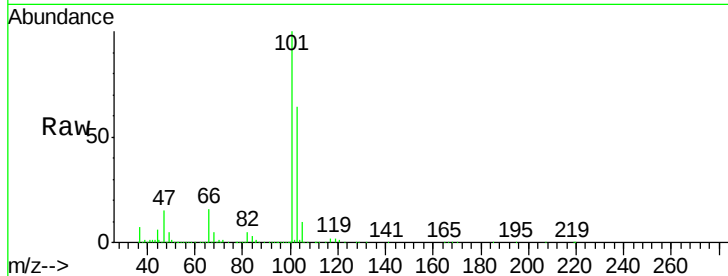
Trichlorofluoromethane
Concen: 49.205 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.6	78.8

Manual Integrations
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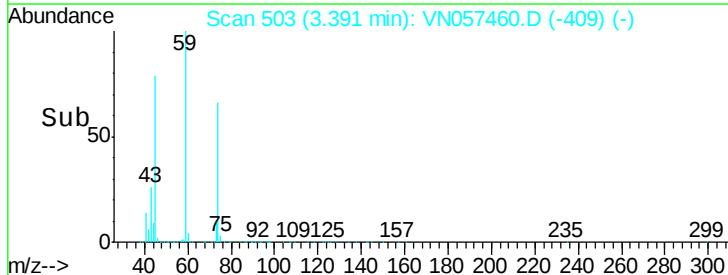
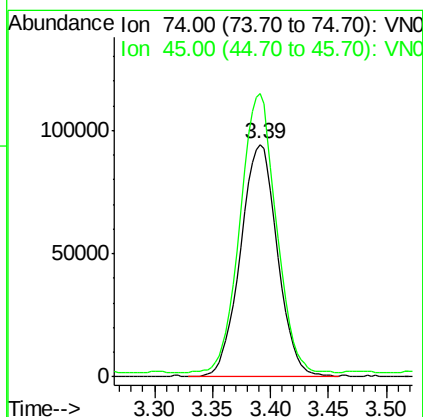
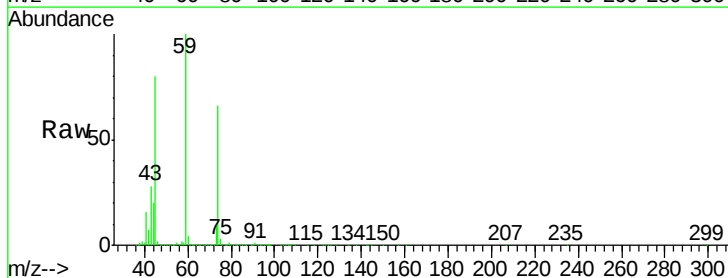
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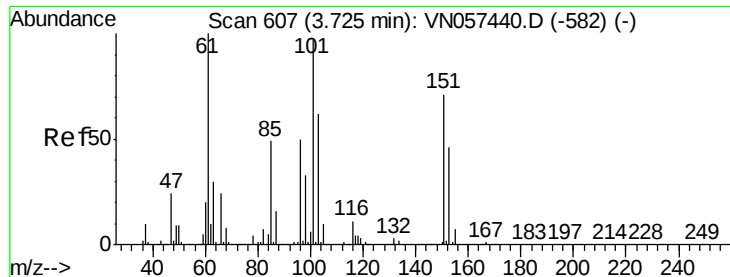


#8

Diethyl Ether
Concen: 53.156 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.4	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.078 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

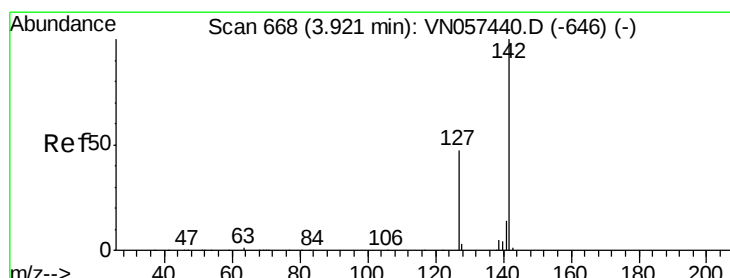
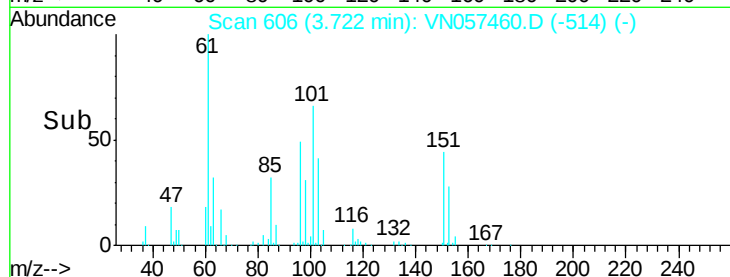
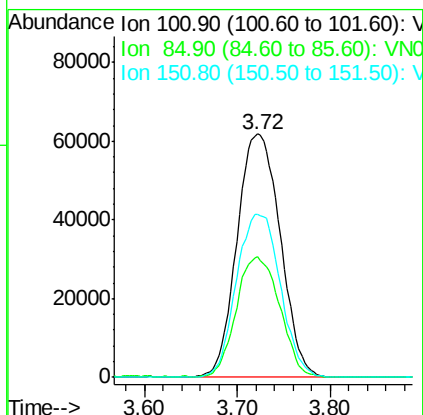
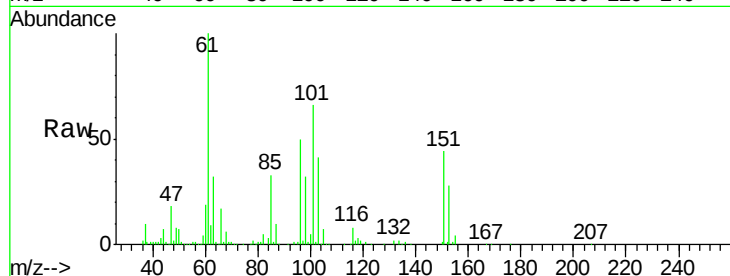
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	200431
Ion Ratio	Lower	Upper	
101	100		
85	49.7	40.0	60.0
151	68.1	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 50.992 ug/l

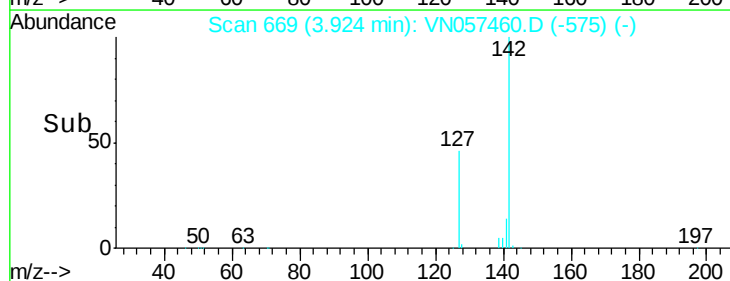
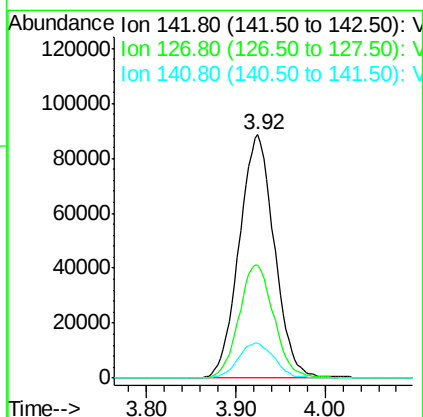
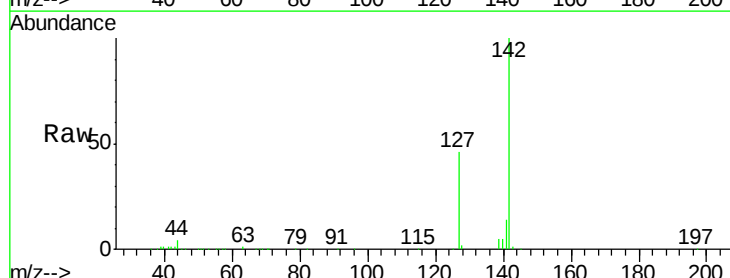
RT: 3.92 min Scan# 669

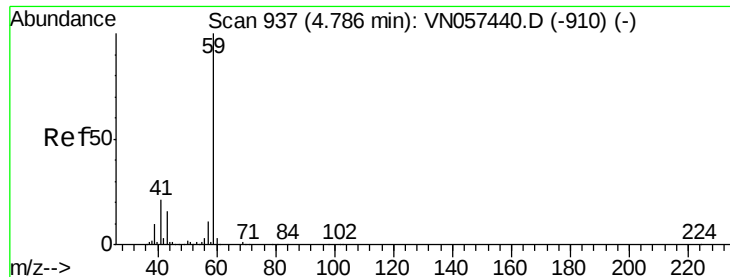
Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion:	142	Resp:	242666
Ion Ratio	Lower	Upper	
142	100		
127	46.2	37.8	56.8
141	14.8	11.9	17.9





#11

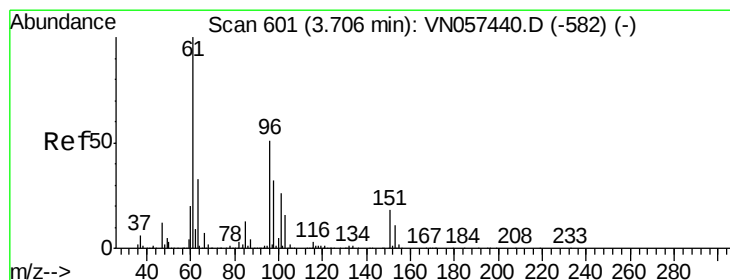
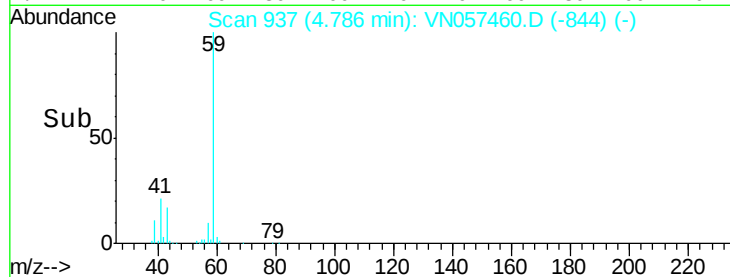
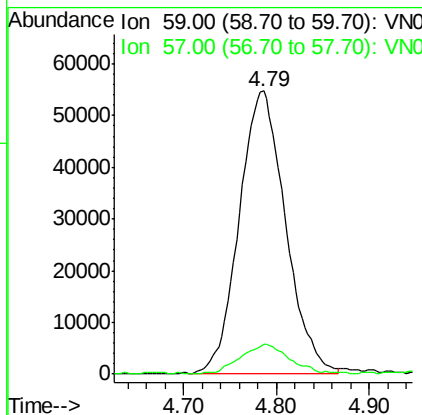
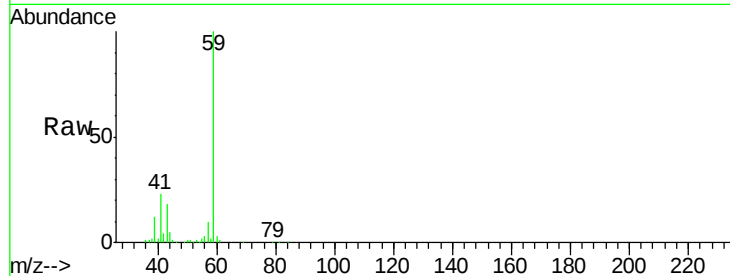
Tert butyl alcohol
Concen: 236.252 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.1	13.7

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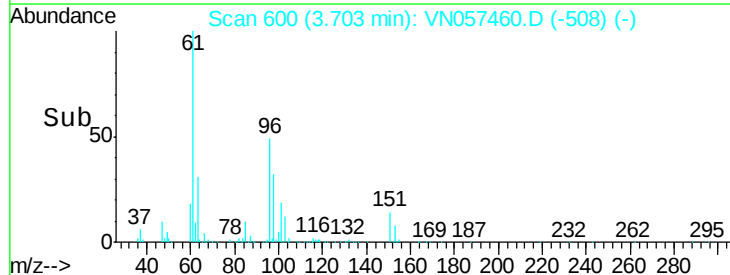
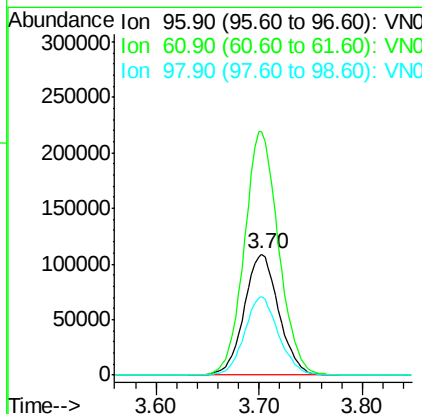
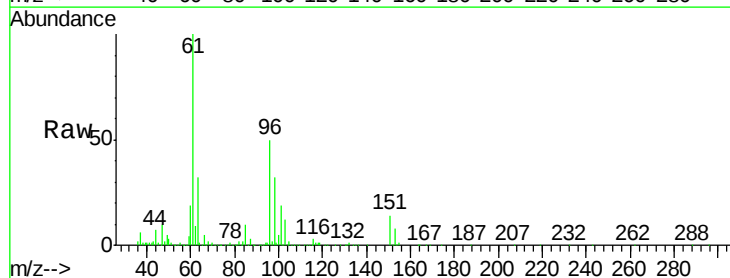
MMDadoda
8/23/2019 2:39:53 PM

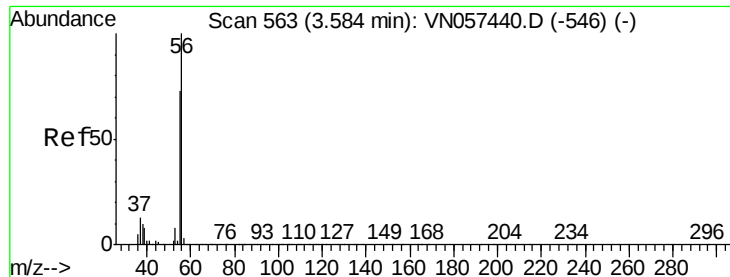


#12

1,1-Dichloroethene
Concen: 40.254 ug/l
RT: 3.70 min Scan# 600
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	202.1	155.3	232.9
98	65.1	50.2	75.2





#13

Acrolein

Concen: 292.807 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 205961

Ion Ratio Lower Upper

56 100

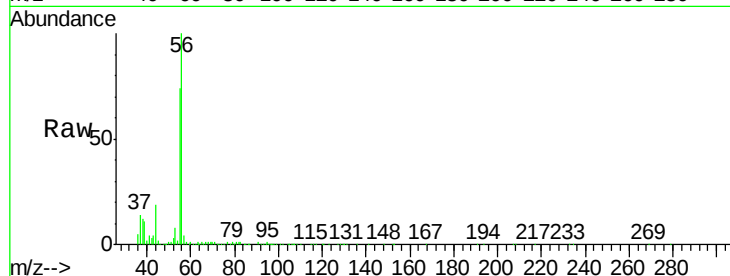
55 71.4 59.0 88.4

Manual Integrations

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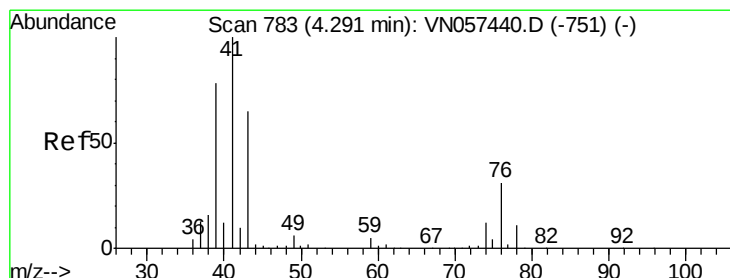
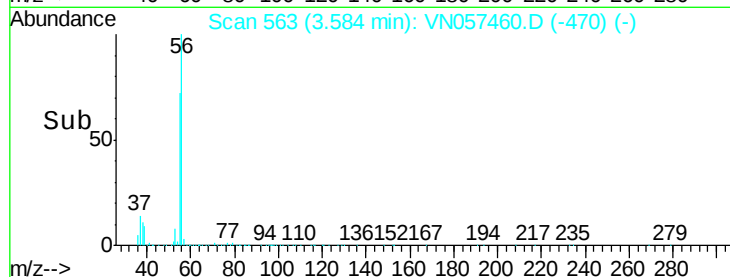
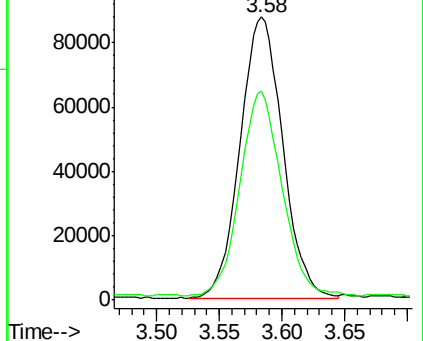
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.603 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

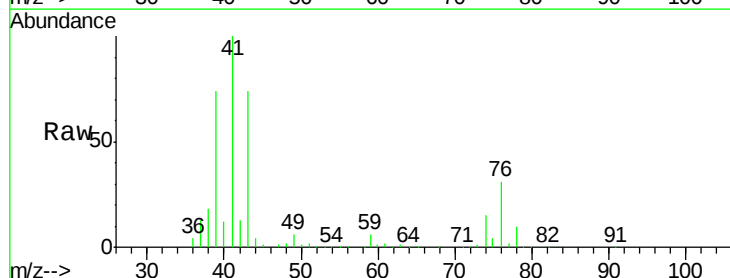
Tgt Ion: 41 Resp: 401033

Ion Ratio Lower Upper

41 100

39 70.4 57.4 86.2

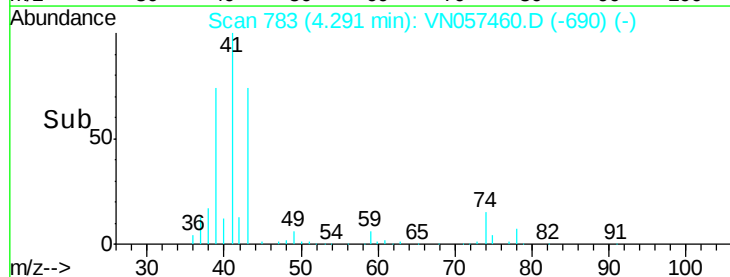
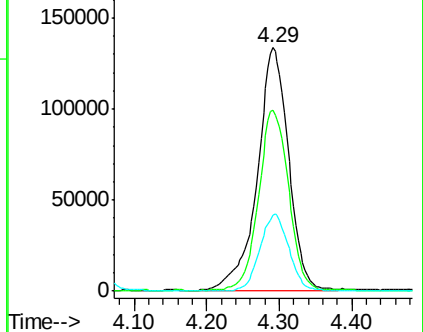
76 29.3 22.9 34.3

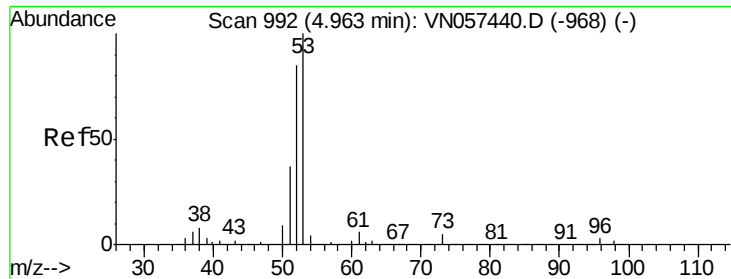


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 252.343 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

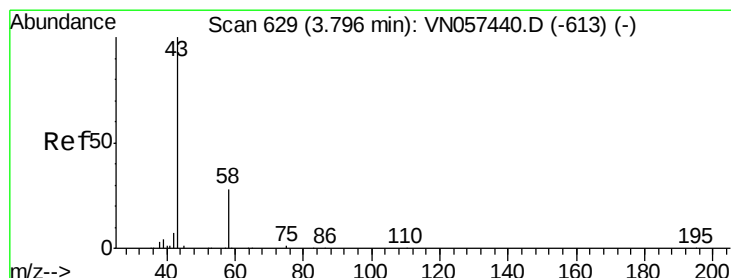
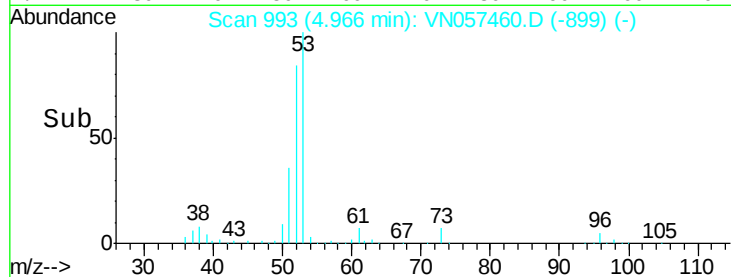
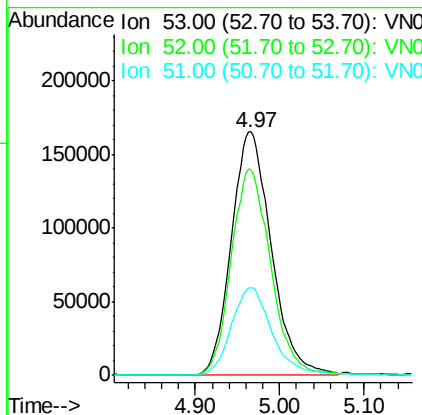
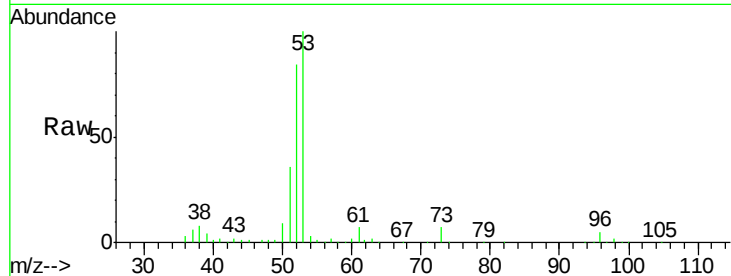
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	544374
Ion Ratio	Lower	Upper	
53	100		
52	84.1	67.0	100.6
51	37.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 151.122 ug/l

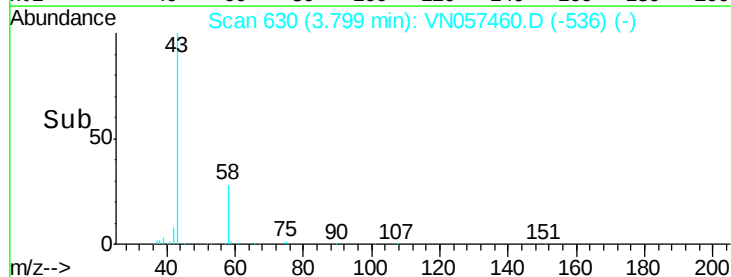
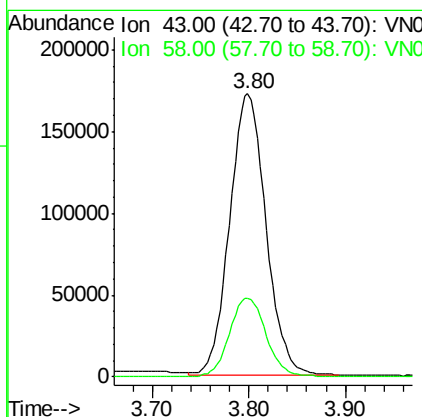
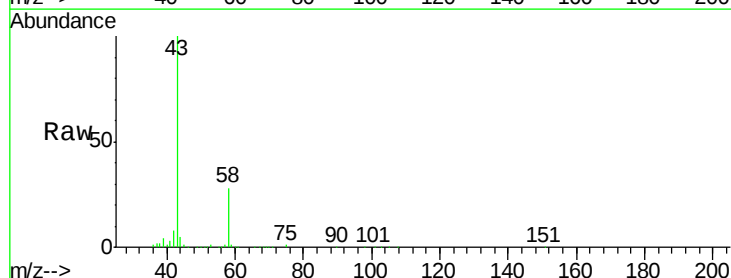
RT: 3.80 min Scan# 630

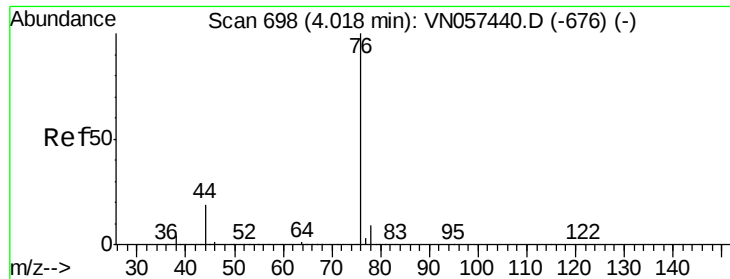
Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion:	43	Resp:	446825
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.1	33.1





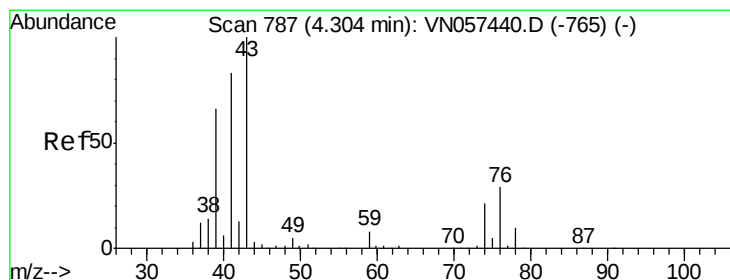
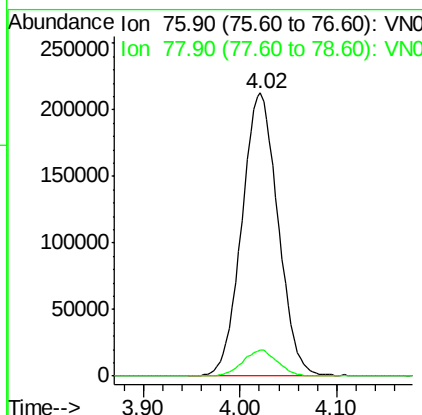
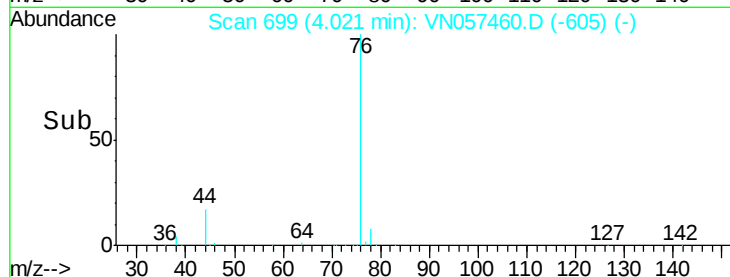
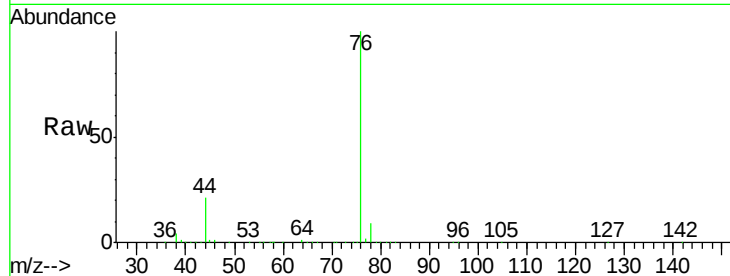
#17
Carbon Disulfide
Concen: 46.494 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 552505
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

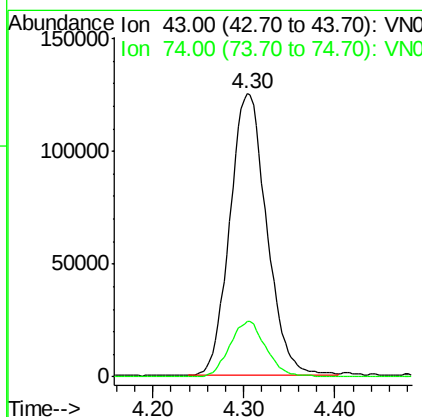
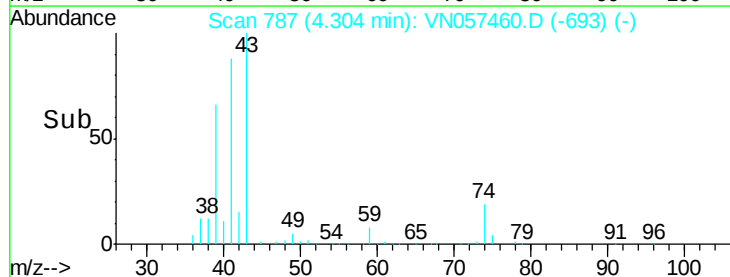
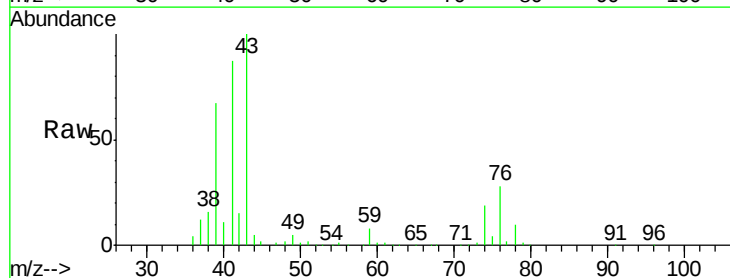
Manual Integrations
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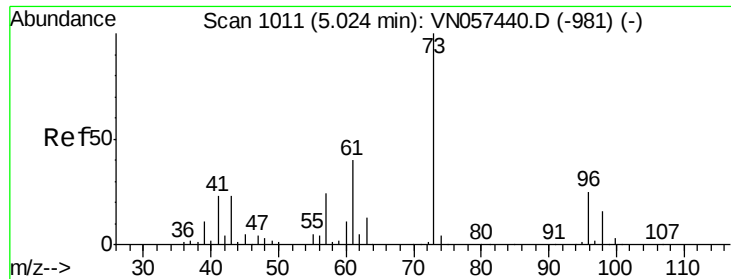
MMDadoda
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#18
Methyl Acetate
Concen: 55.504 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 43 Resp: 353485
Ion Ratio Lower Upper
43 100
74 19.4 15.9 23.9





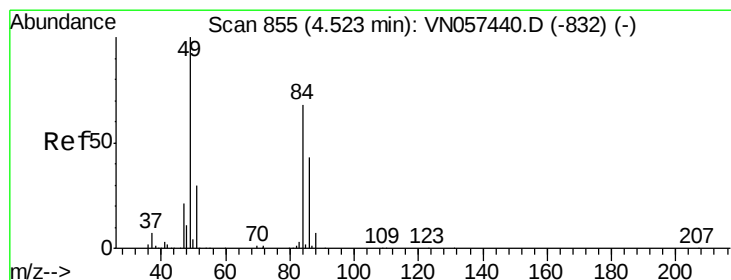
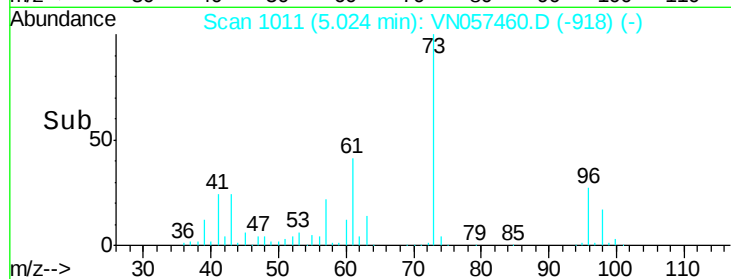
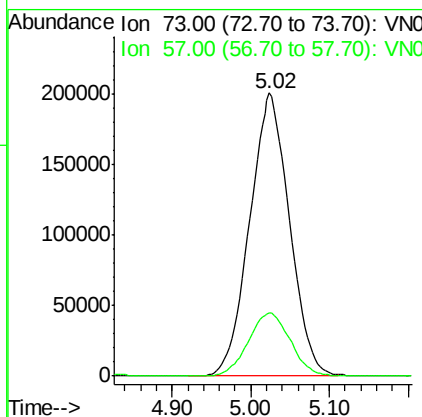
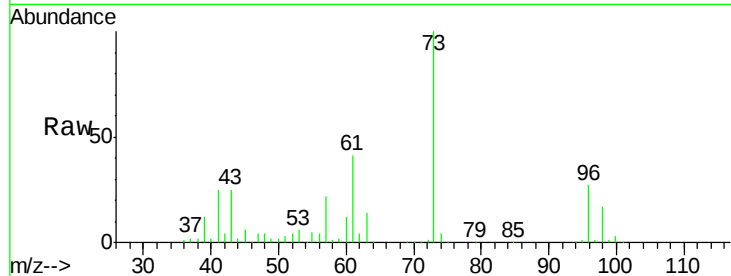
#19
Methvl tert-butvl Ether
Concen: 47.500 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 714306
Ion Ratio Lower Upper
73 100
57 22.2 19.1 28.7

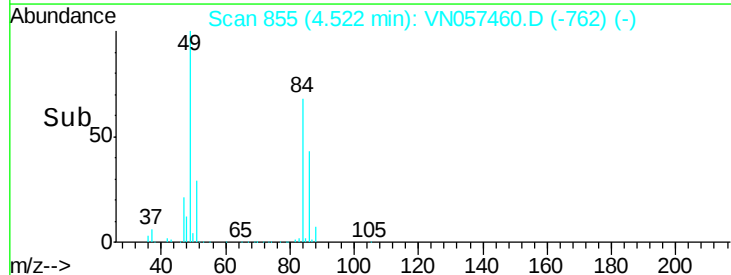
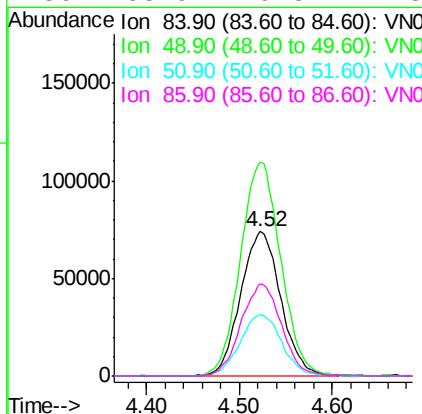
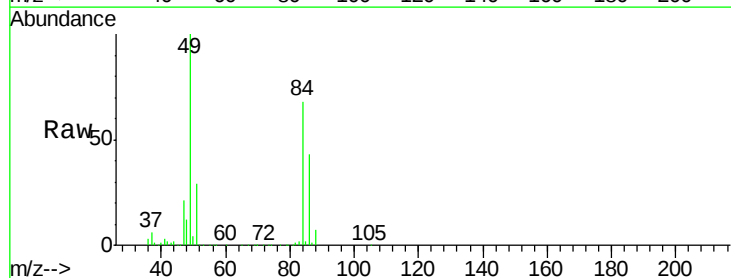
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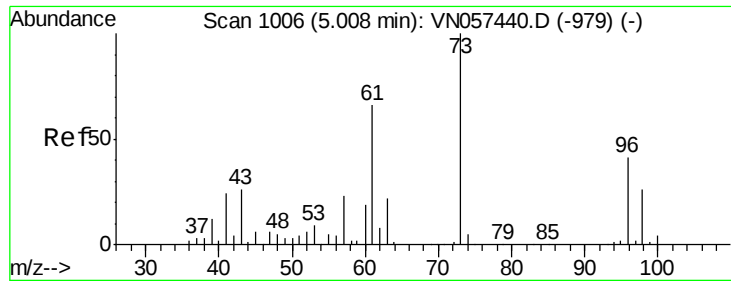
MMDadoda
8/23/2019 2:39:53 PM



#20
Methylene Chloride
Concen: 50.730 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 84 Resp: 222384
Ion Ratio Lower Upper
84 100
49 148.1 117.0 175.4
51 42.2 35.5 53.3
86 63.9 49.8 74.8





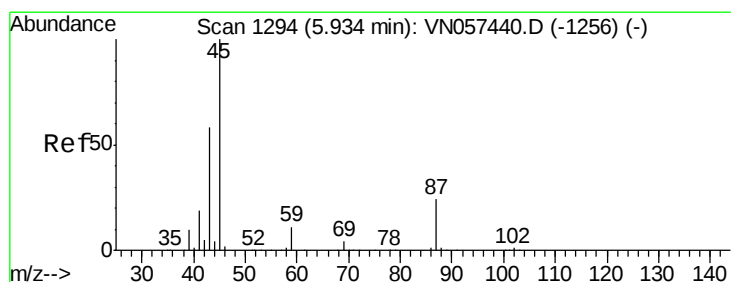
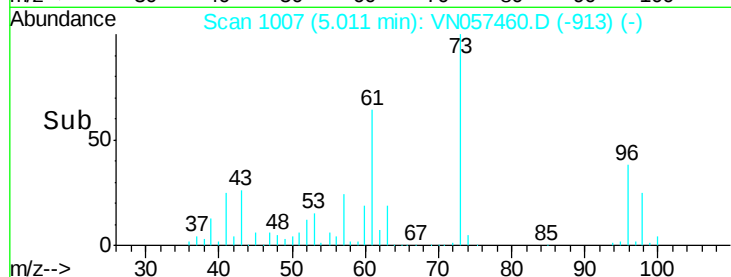
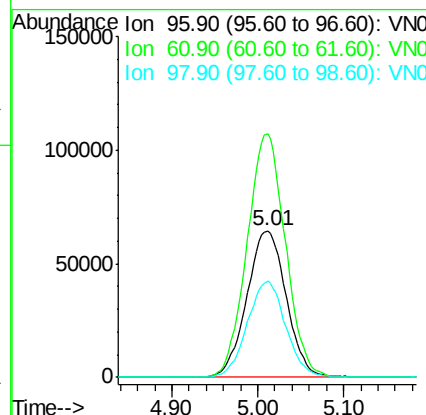
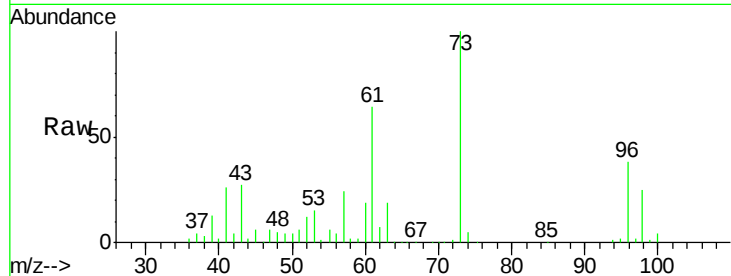
#21
trans-1,2-Dichloroethene
Concen: 46.785 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	127.9	191.9
98	65.4	50.6	76.0

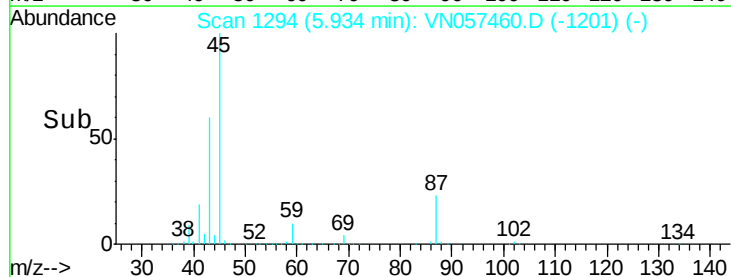
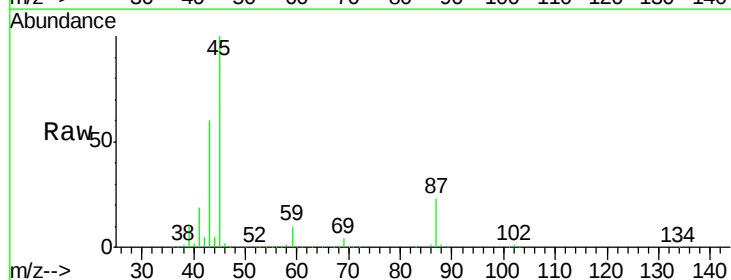
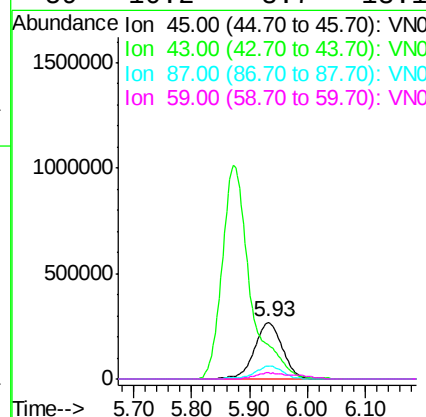
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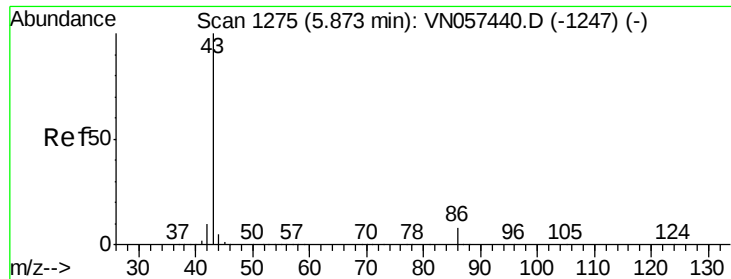
MMDadoda
8/23/2019 2:39:53 PM



#22
Diisopropyl ether
Concen: 50.666 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.9	70.3
87	22.8	19.3	28.9
59	10.2	8.7	13.1





#23

Vinyl Acetate

Concen: 246.184 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3398691

Ion Ratio Lower Upper

43 100

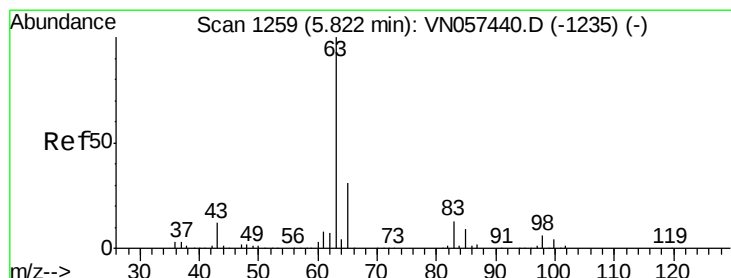
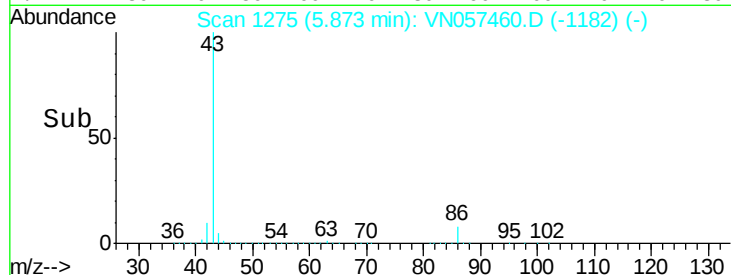
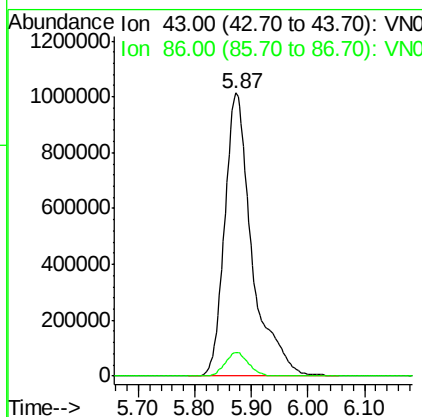
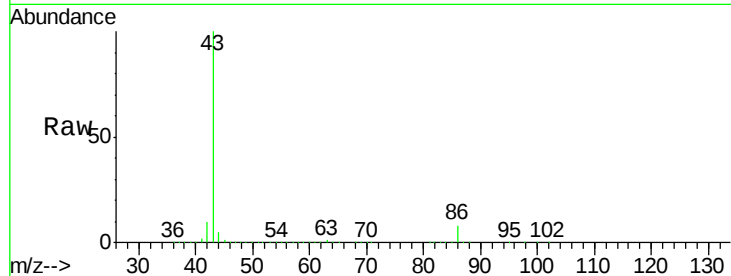
86 8.5 6.7 10.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.537 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

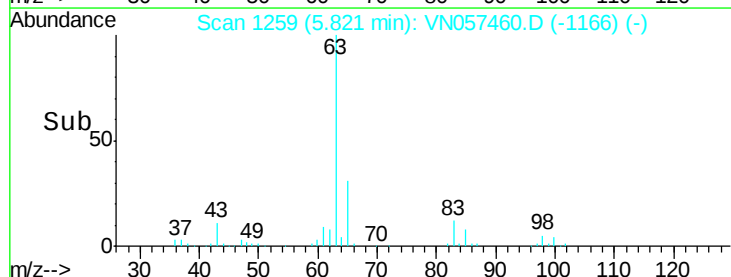
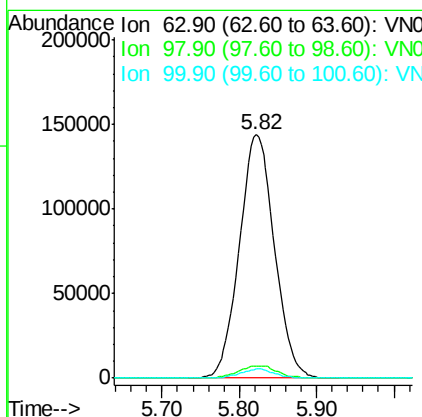
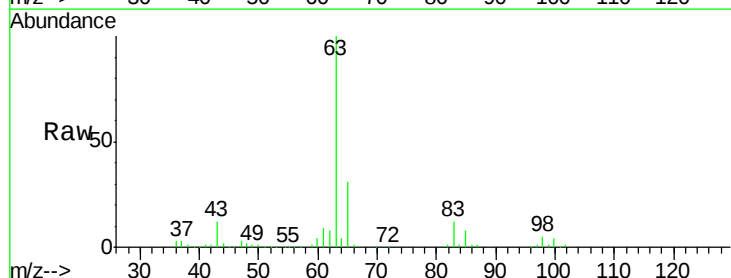
Tgt Ion: 63 Resp: 454659

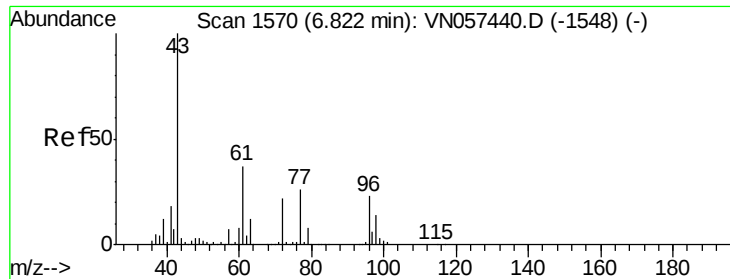
Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.6

100 3.7 2.1 6.3





#25

2-Butanone

Concen: 247.244 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 793805

Ion Ratio Lower Upper

43 100

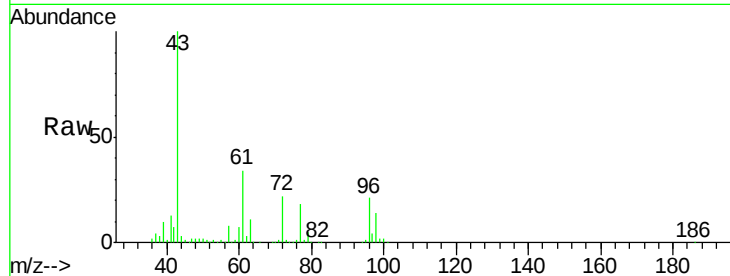
72 21.7 17.8 26.8

Manual Integrations

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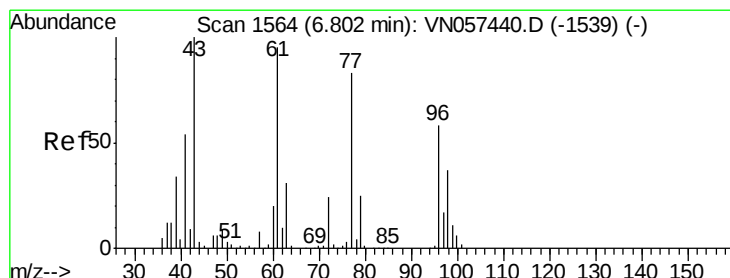
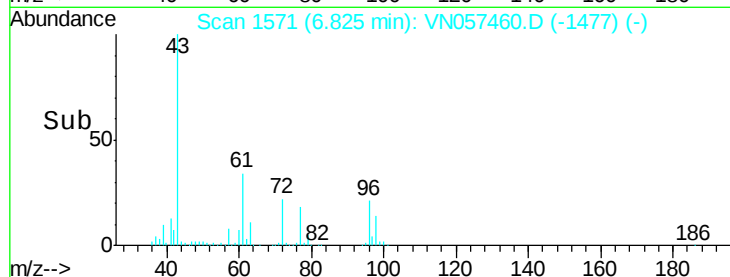
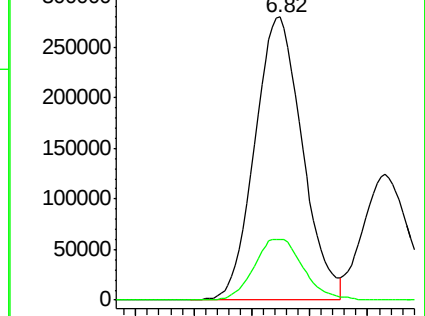
MMDadoda

8/23/2019 2:39:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 35.250 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057460.D

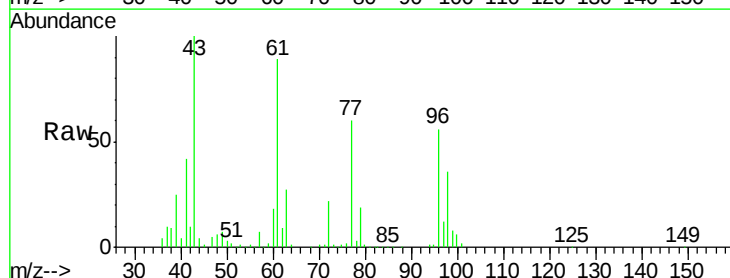
Acq: 23 Aug 2019 3:13

Tgt Ion: 77 Resp: 285947

Ion Ratio Lower Upper

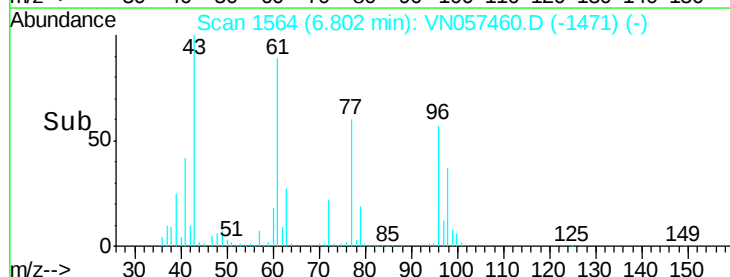
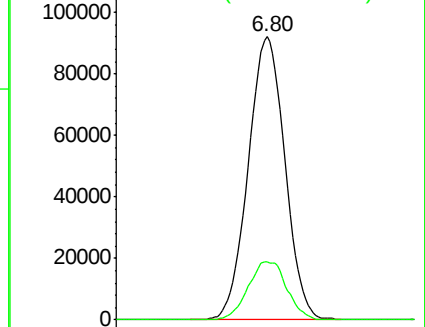
77 100

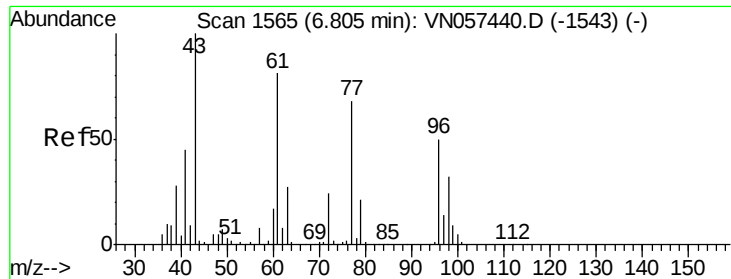
97 21.7 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 48.132 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

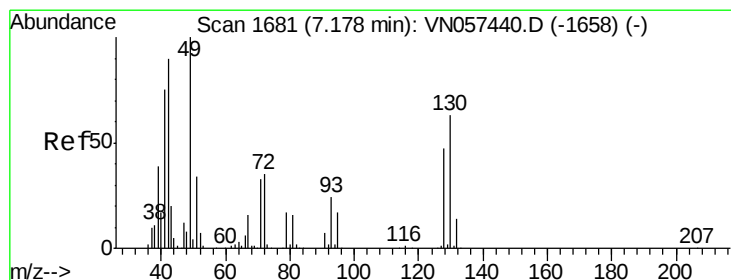
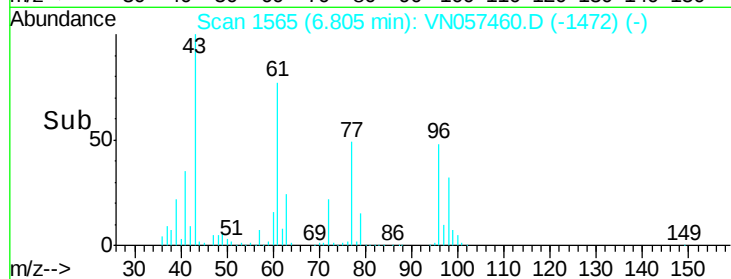
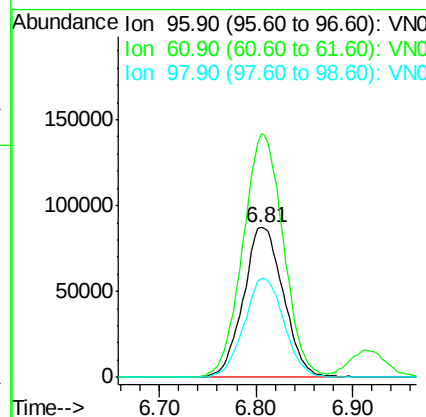
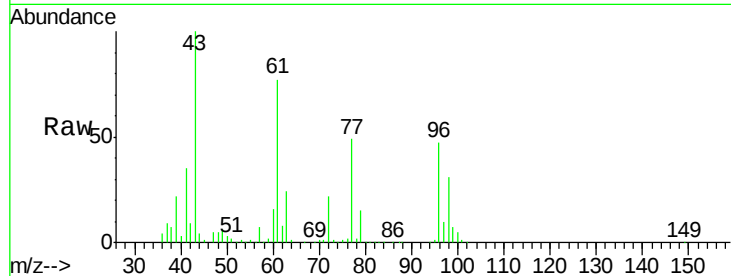
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	250824
Ion Ratio	Lower	Upper	
96	100		
61	164.2	0.0	334.8
98	65.9	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 53.412 ug/l

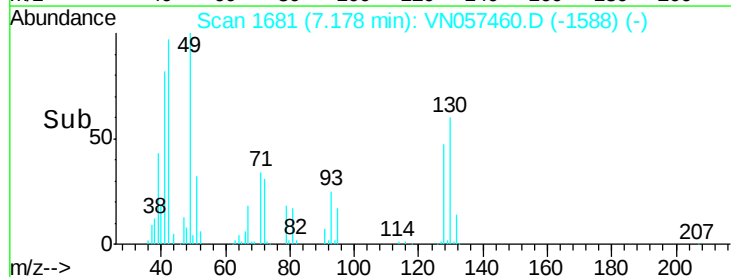
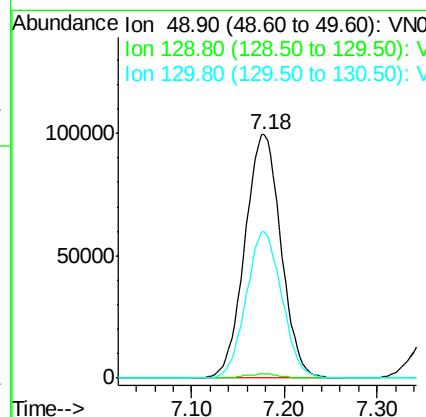
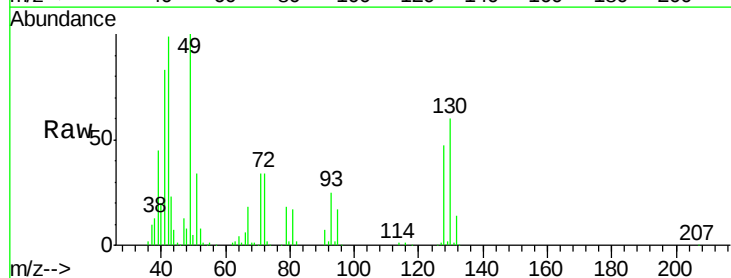
RT: 7.18 min Scan# 1681

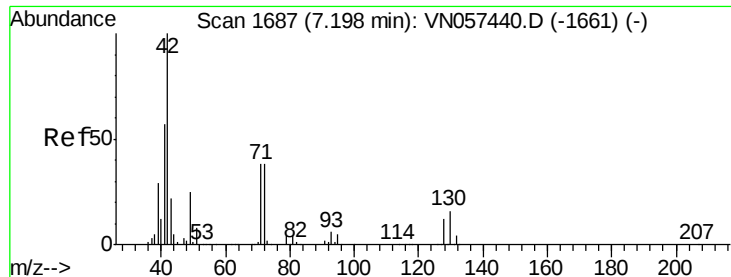
Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion:	49	Resp:	269435
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	59.5	48.6	72.8





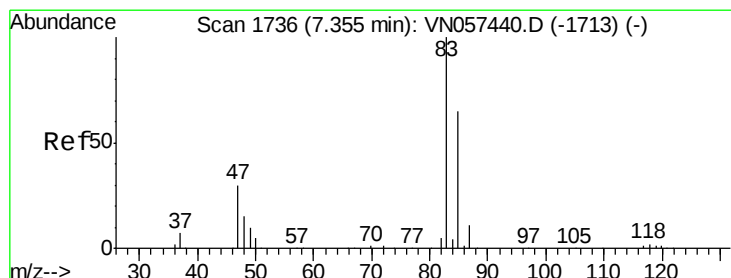
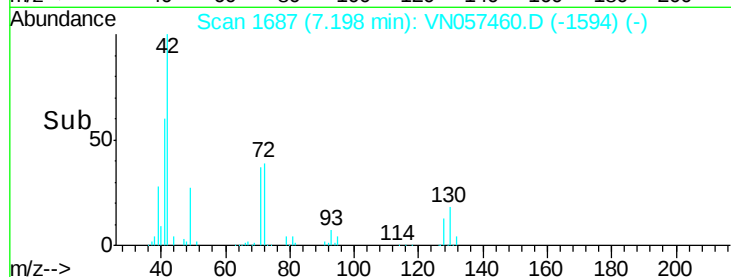
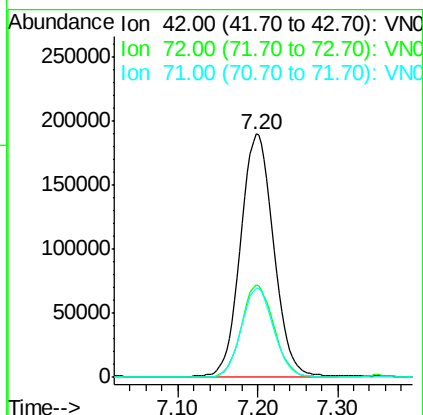
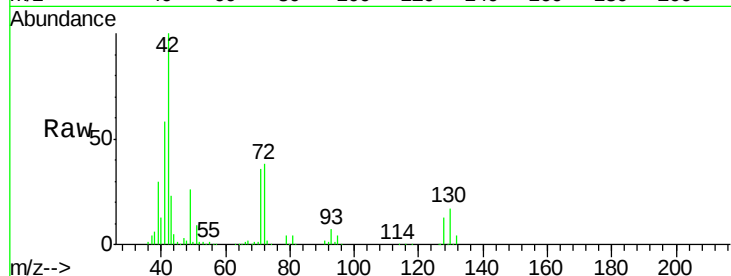
#29
Tetrahydrofuran
Concen: 250.311 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.1	45.1
71	36.2	28.8	43.2

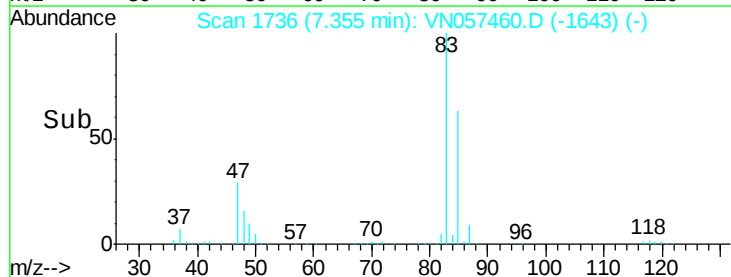
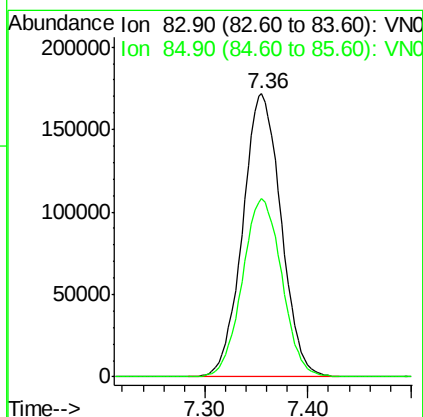
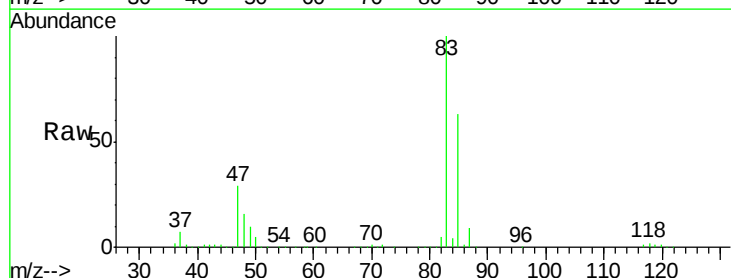
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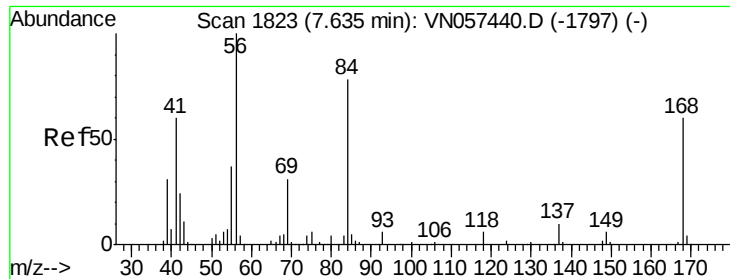
MMDadoda
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#30
Chloroform
Concen: 51.045 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.9	77.9





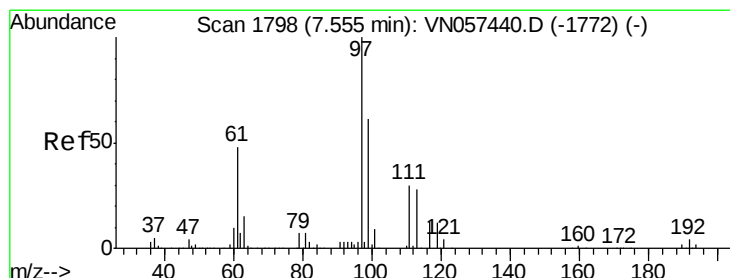
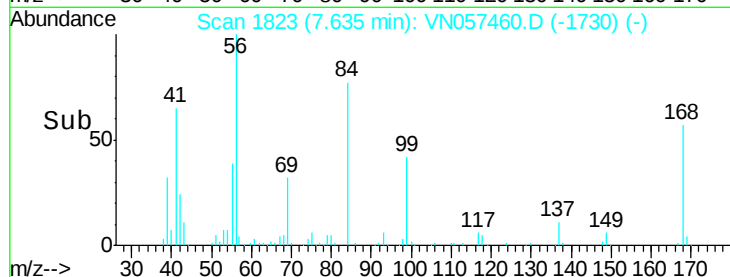
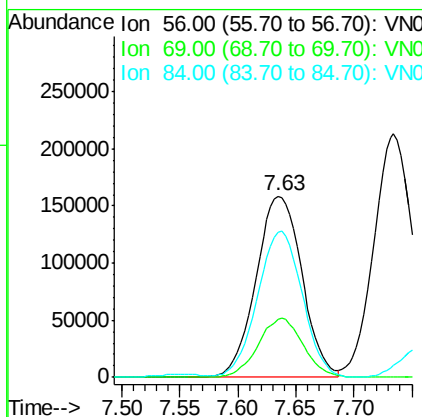
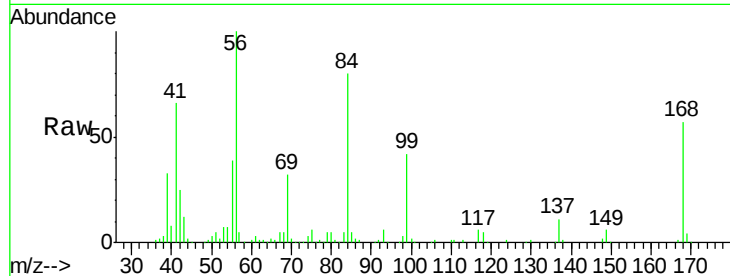
#31
Cyclohexane
Concen: 48.285 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.0	37.6
84	78.6	62.5	93.7

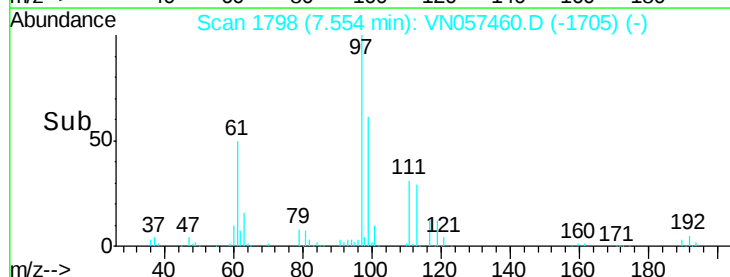
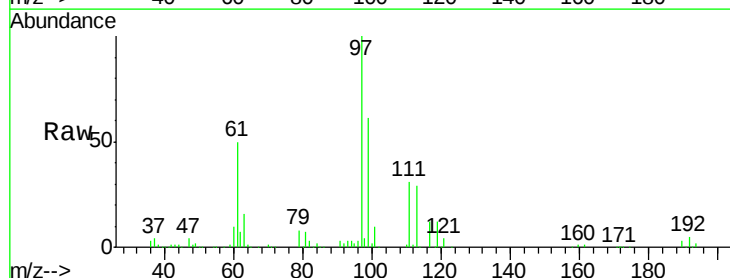
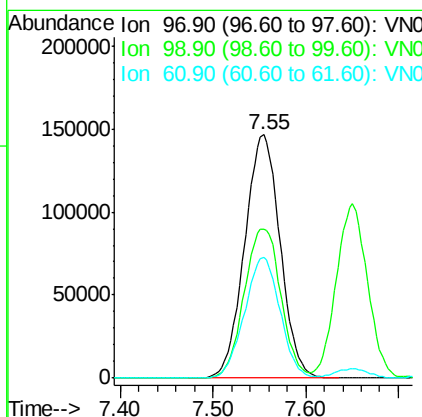
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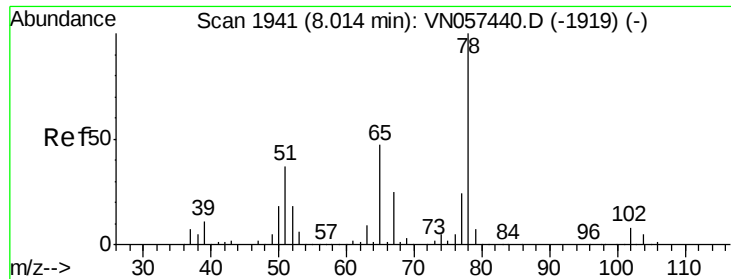
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#32
1,1,1-Trichloroethane
Concen: 48.567 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	49.7	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 52.276 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tot Ion: 65 Resp: 336569

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.8

Instrument :

MSVOA_N

ClientSampleId :

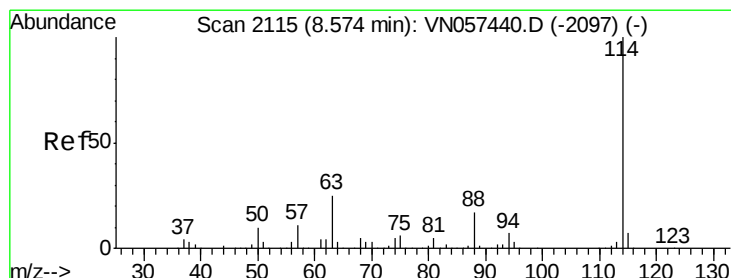
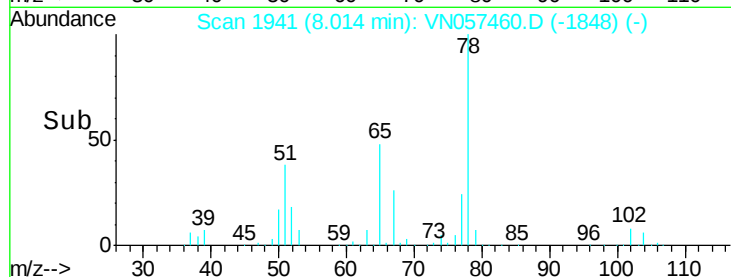
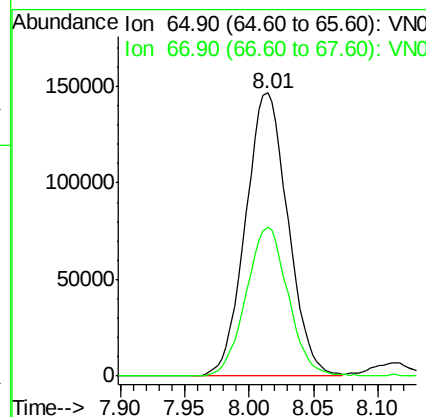
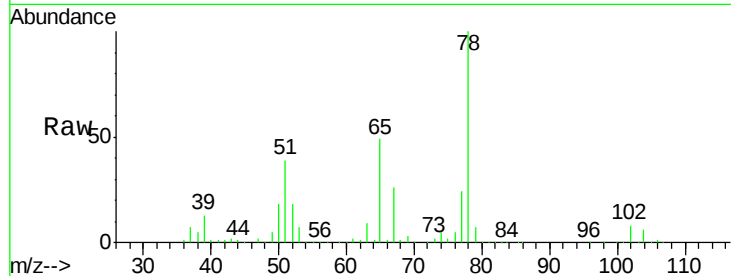
VSTDCCC050EC

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

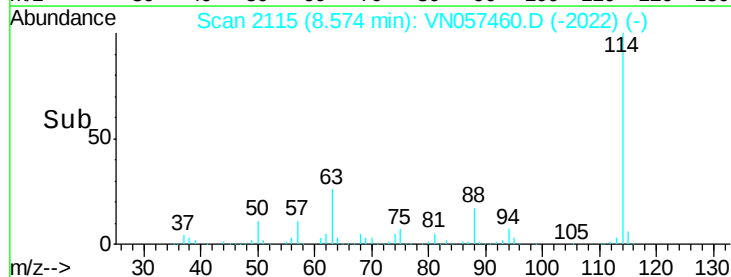
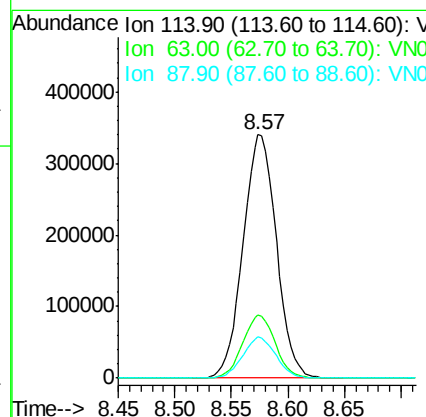
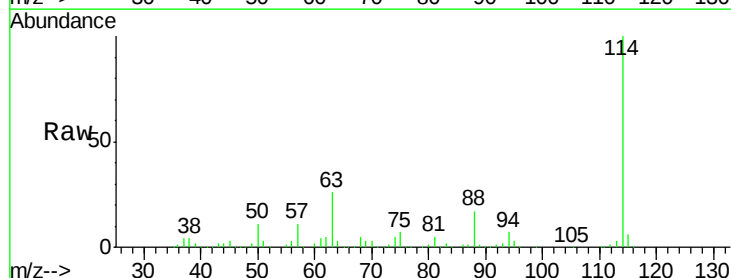
Tgt Ion: 114 Resp: 698793

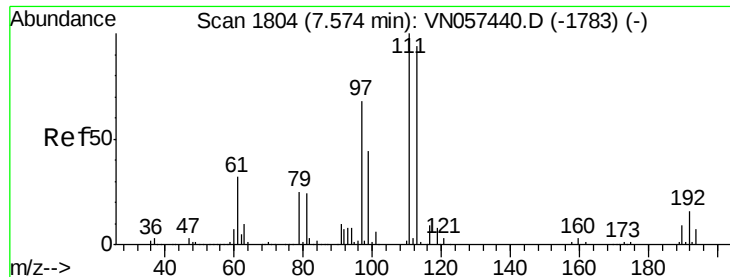
Ion Ratio Lower Upper

114 100

63 25.8 0.0 50.2

88 16.9 0.0 34.6





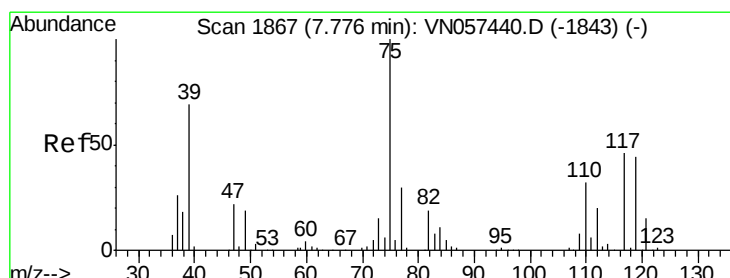
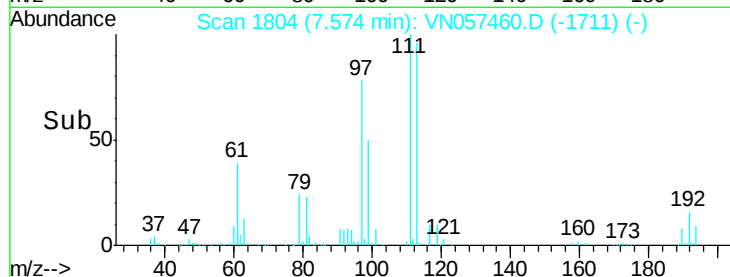
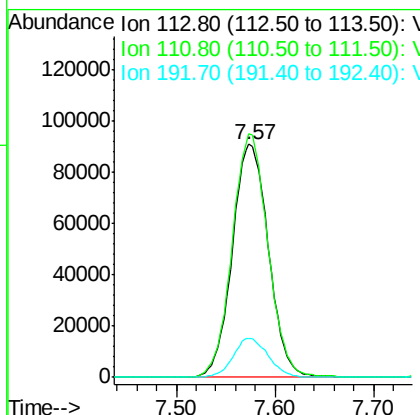
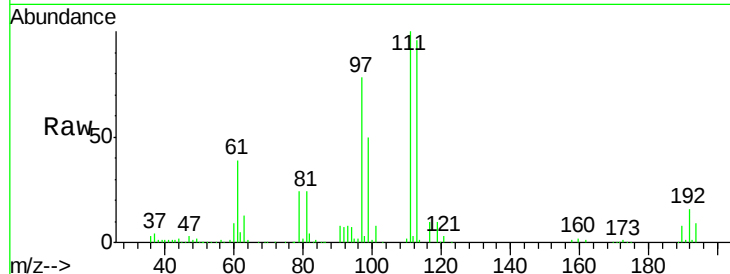
#35
 Dibromofluoromethane
 Concen: 49.128 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231887		
111	102.9	83.8	125.6	
192	16.3	13.5	20.3	

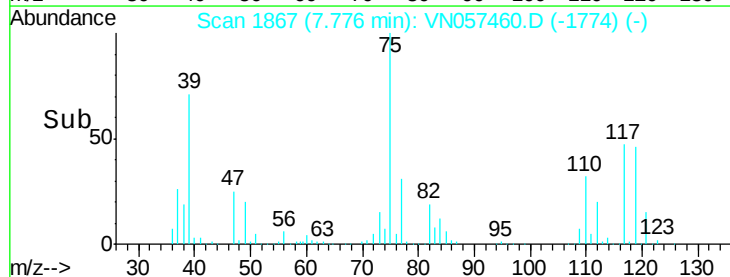
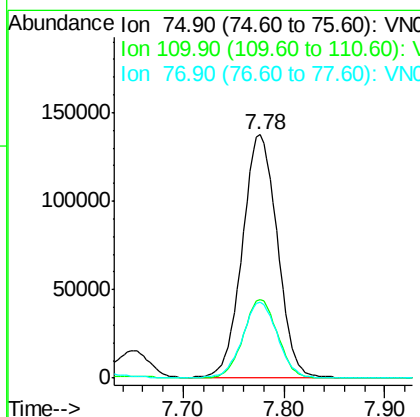
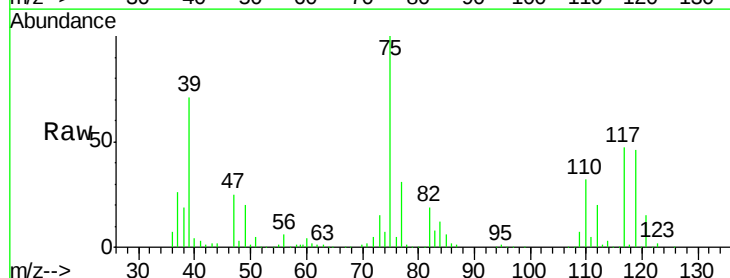
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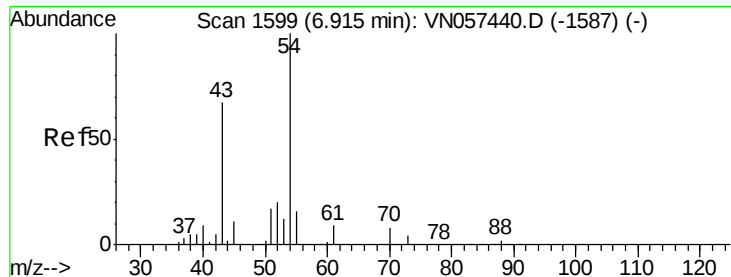
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#36
 1,1-Dichloropropene
 Concen: 46.064 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	328910		
110	31.7	16.1	48.3	
77	31.7	24.8	37.2	





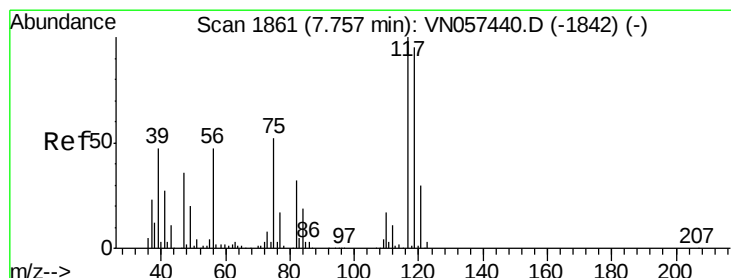
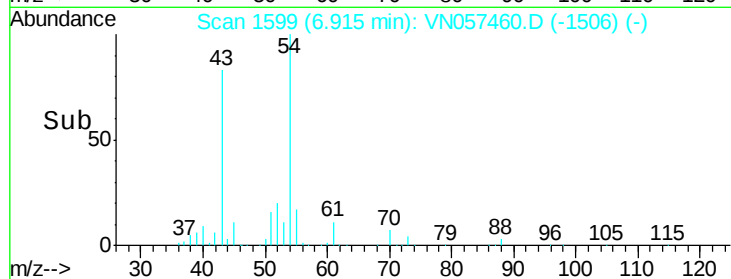
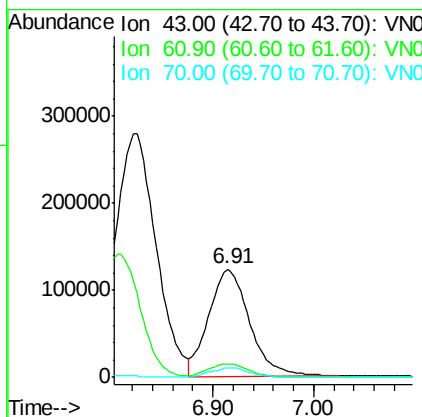
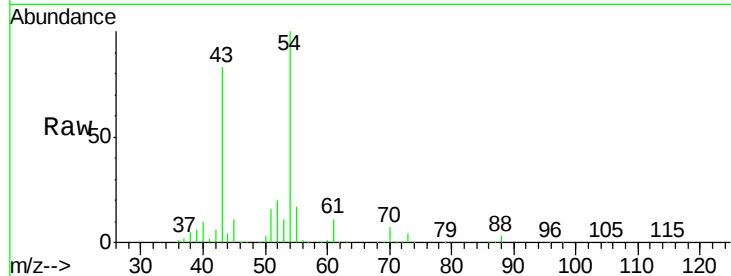
#37
Ethyl Acetate
Concen: 49.049 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.9	14.9
70	8.7	7.0	10.6

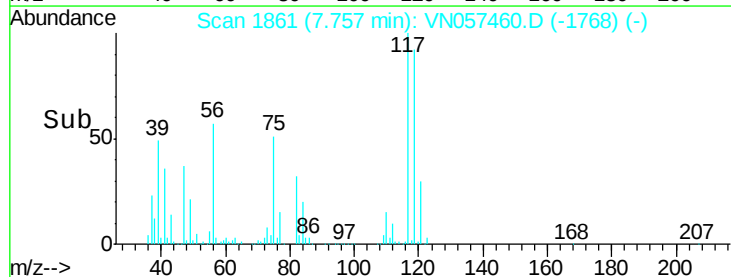
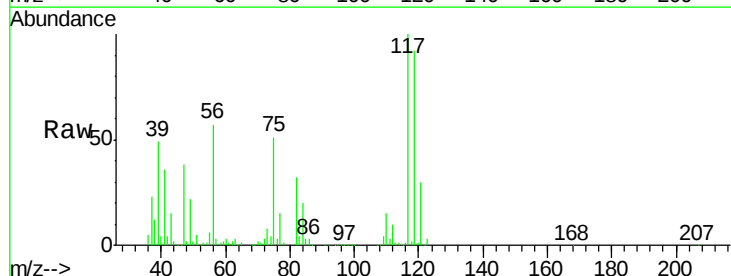
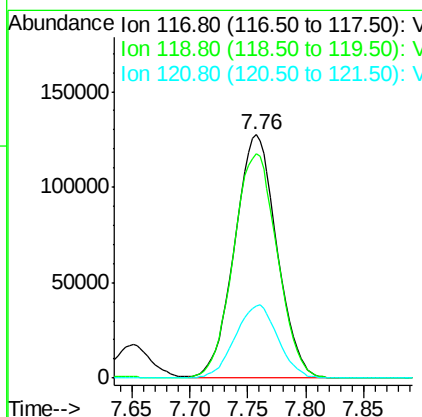
Manual Integrations
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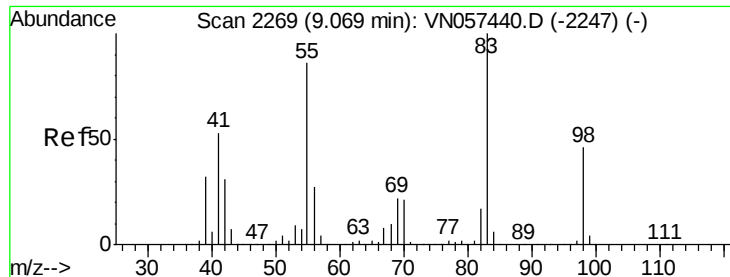
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#38
Carbon Tetrachloride
Concen: 45.191 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.2	114.4
121	29.9	23.8	35.6





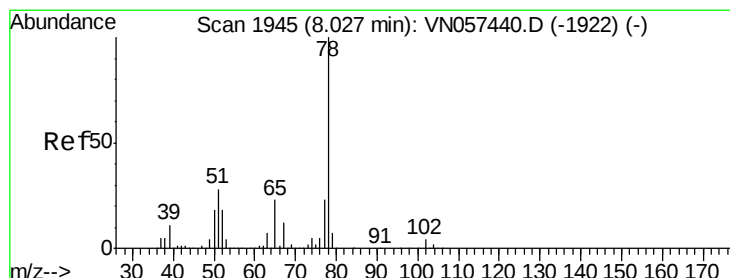
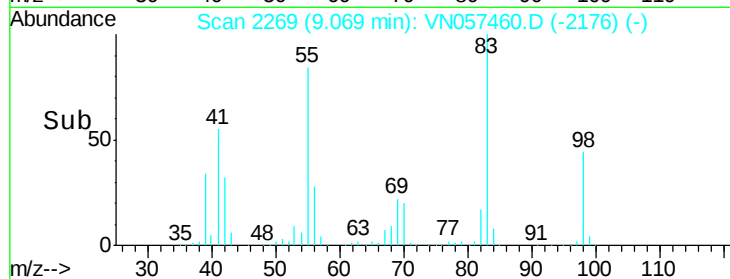
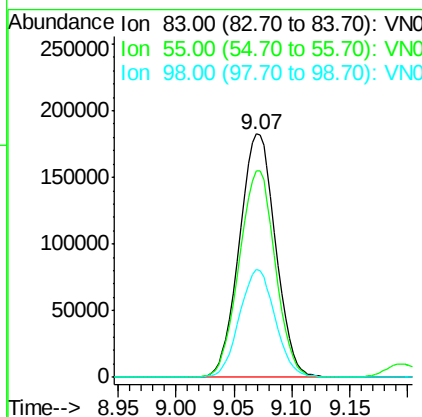
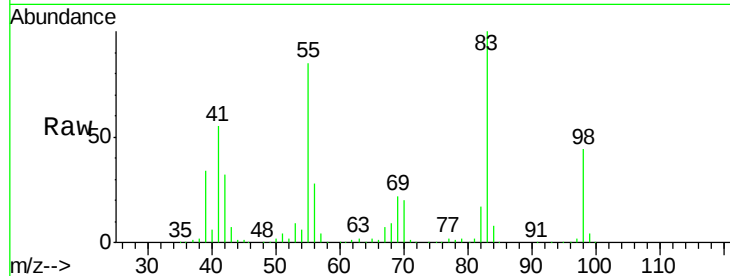
#39
Methvlcvclohexane
Concen: 46.865 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.5	68.6	102.8	
98	44.4	36.6	54.8	

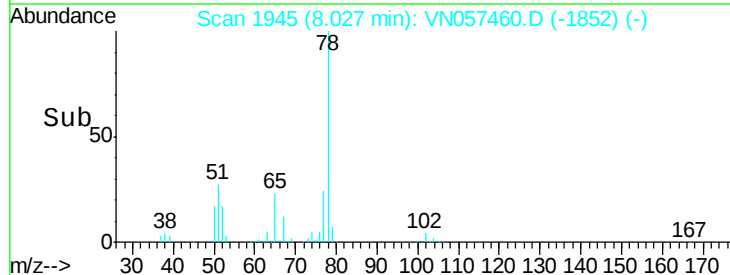
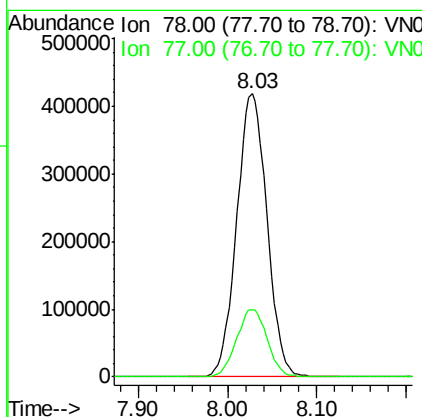
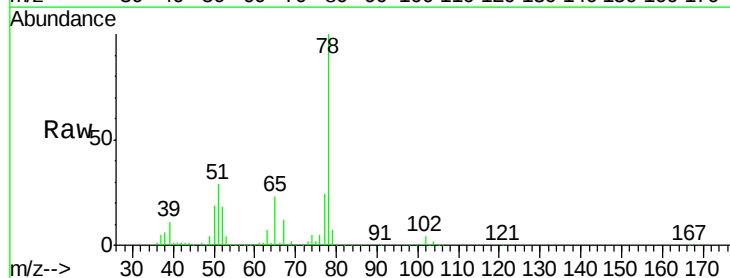
Manual Integrations
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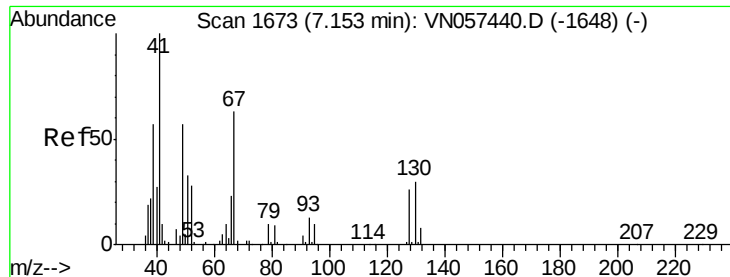
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#40
Benzene
Concen: 46.048 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.5	27.7	





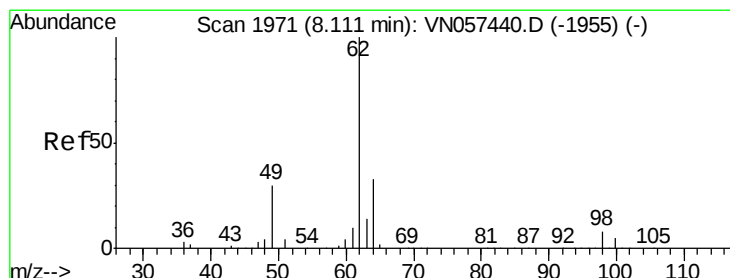
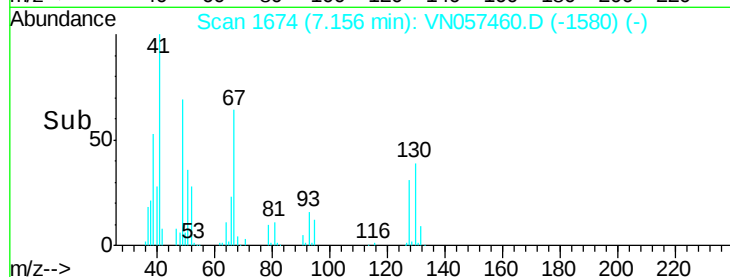
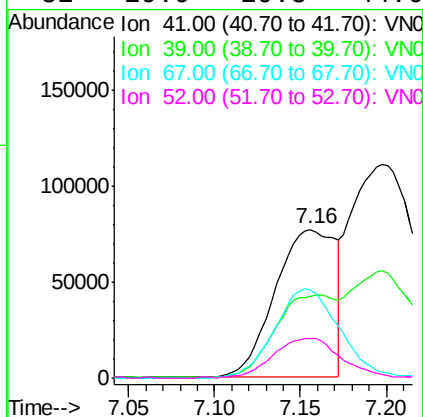
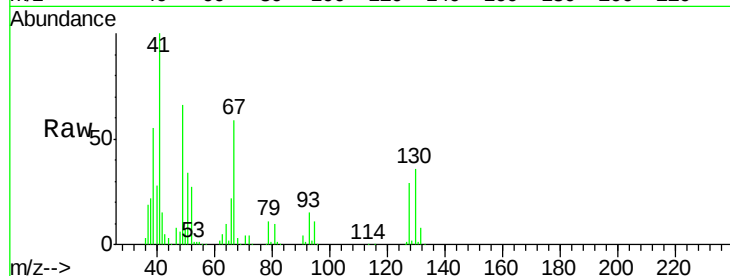
#41
Methacrylonitrile
Concen: 55.643 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	53.6	80.4	
67	66.4	65.4	98.2	
52	29.9	29.8	44.6	

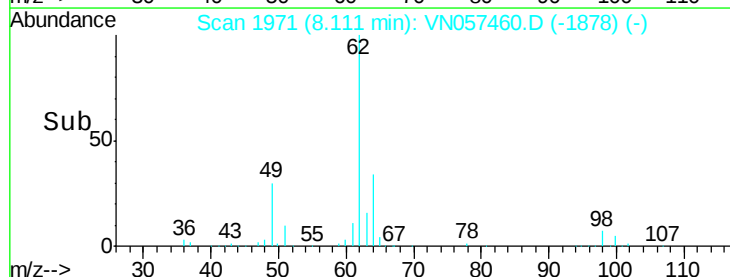
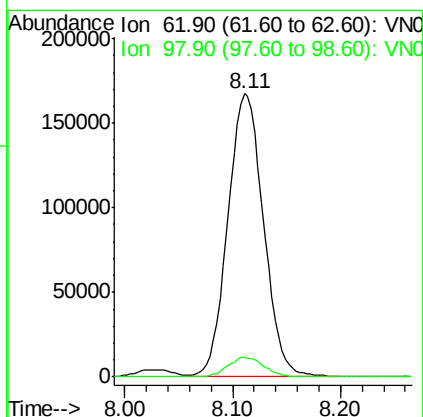
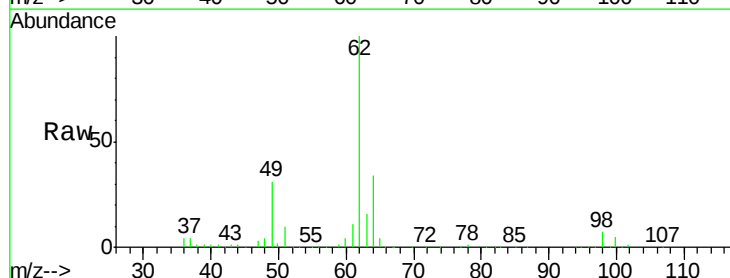
Manual Integrations
APPROVED

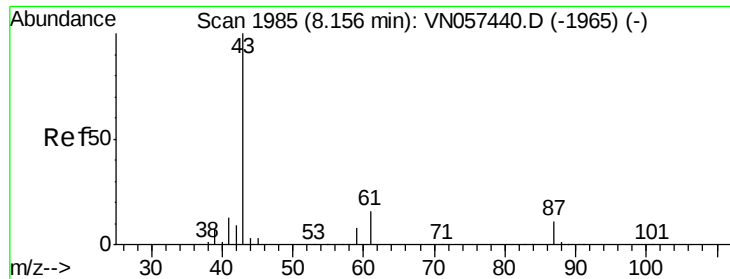
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.540 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	0.0	15.4	





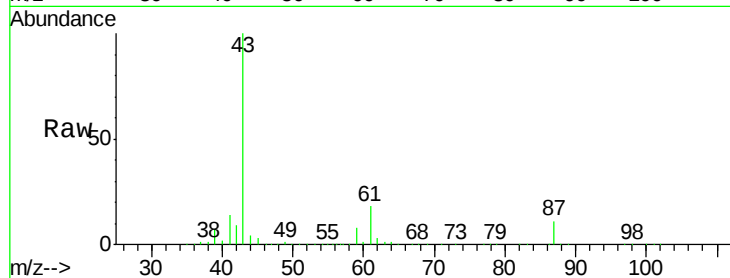
#43
Isopropyl Acetate
Concen: 46.816 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

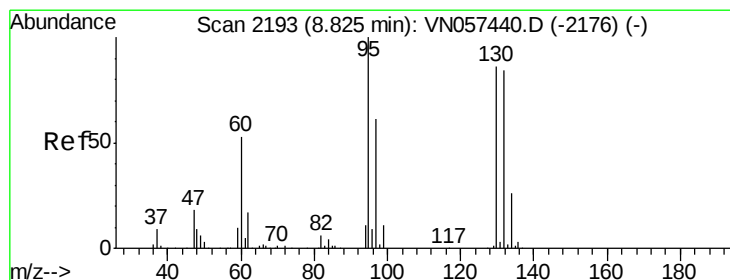
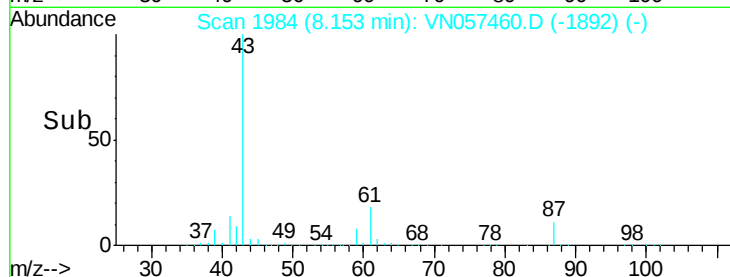
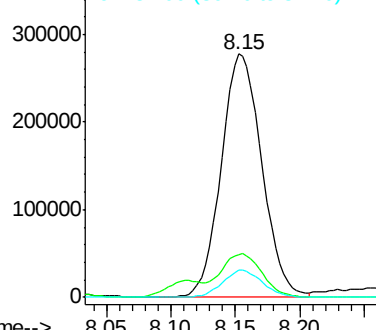
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.5	21.7
87	11.2	8.6	12.8

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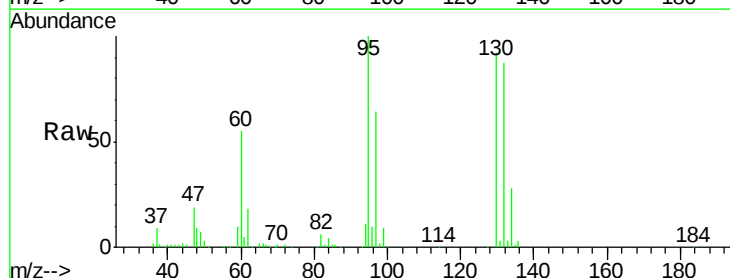


Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1965) (-)

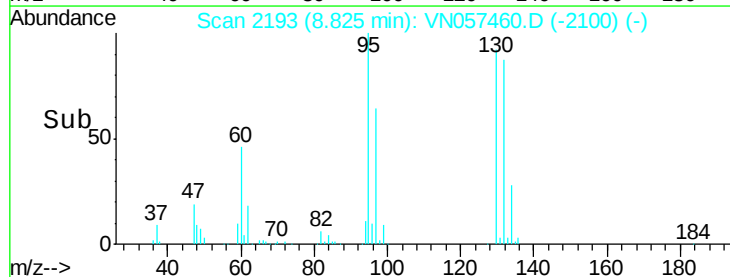
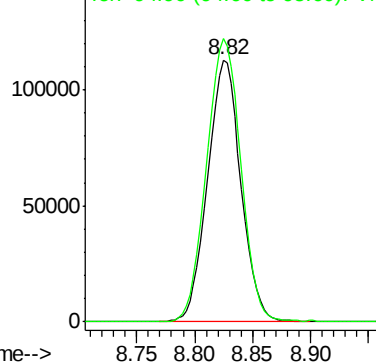


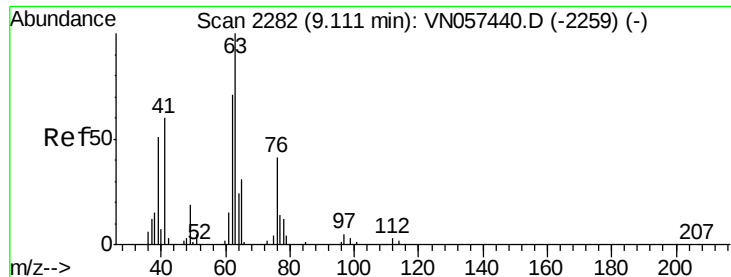
#44
Trichloroethene
Concen: 46.961 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057440.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 46.535 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 280867

Ion Ratio Lower Upper

63 100

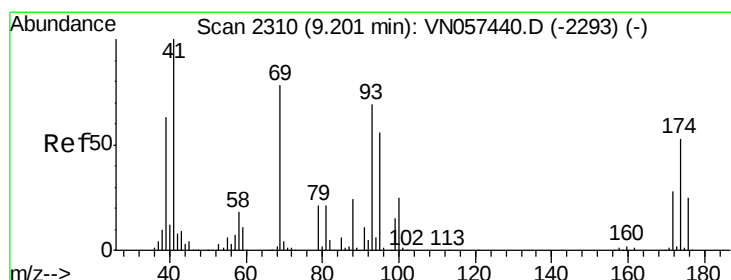
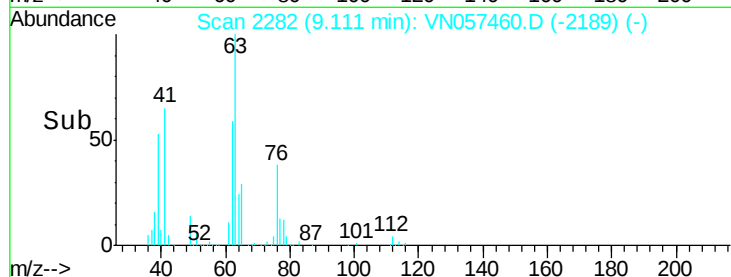
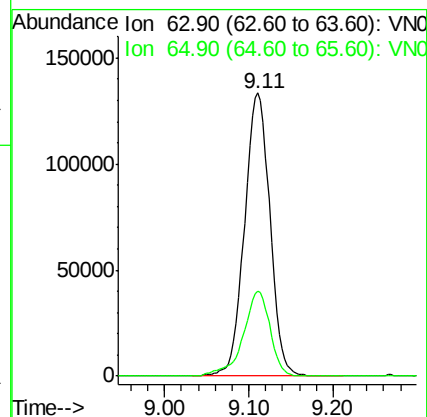
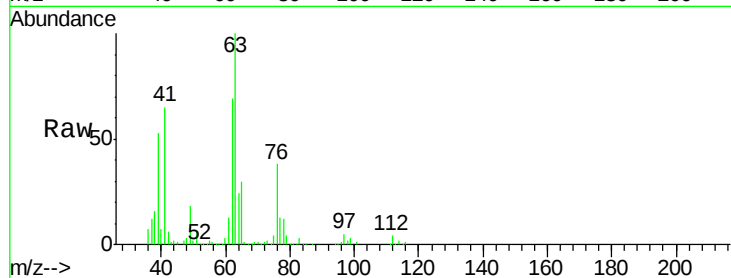
65 30.1 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 48.890 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

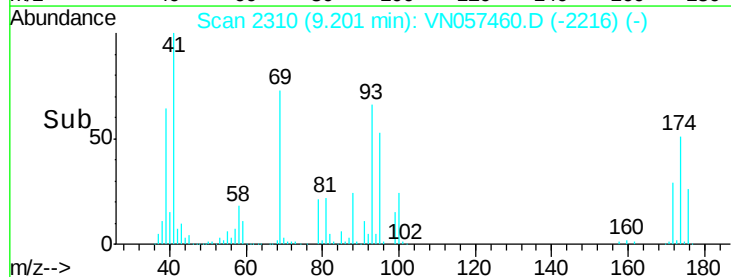
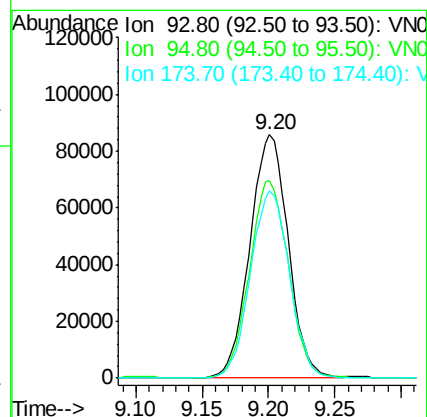
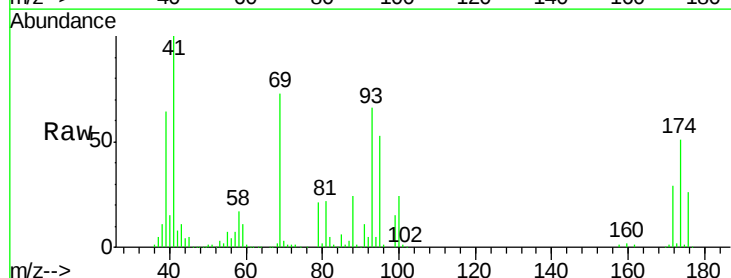
Tgt Ion: 93 Resp: 172928

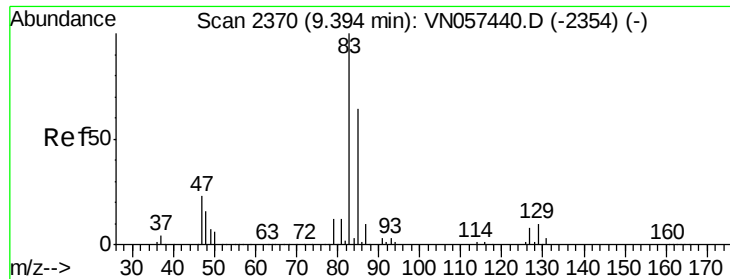
Ion Ratio Lower Upper

93 100

95 82.6 64.7 97.1

174 78.2 62.3 93.5





#47

Bromodichloromethane

Concen: 45.838 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

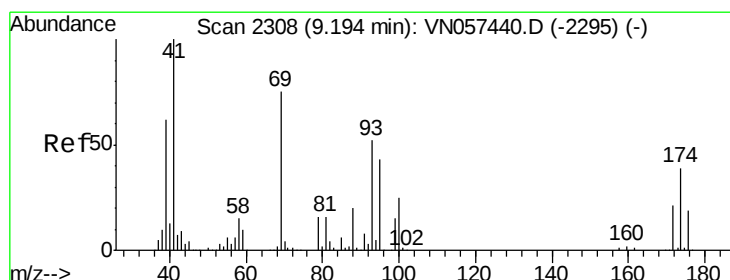
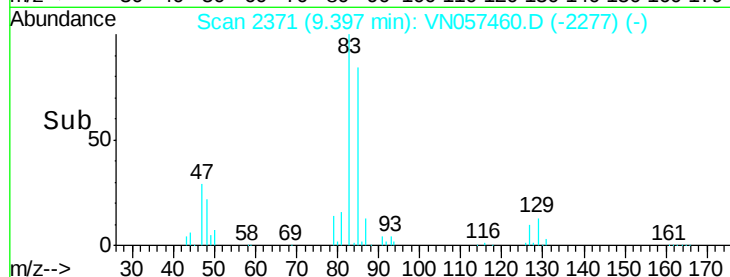
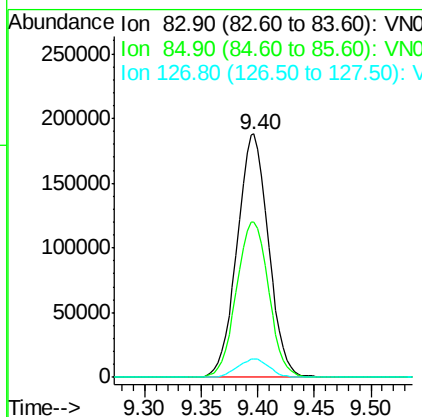
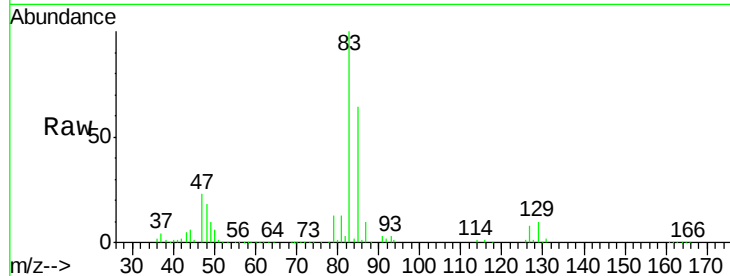
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	364990
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.2	76.8
127	7.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.274 ug/l

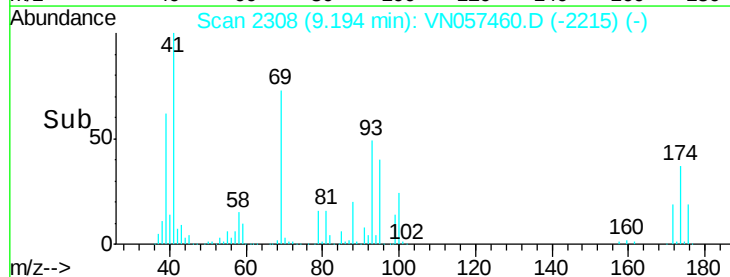
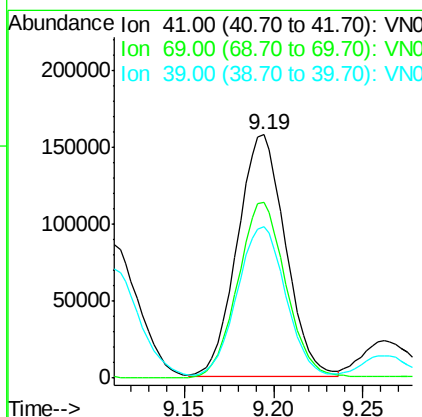
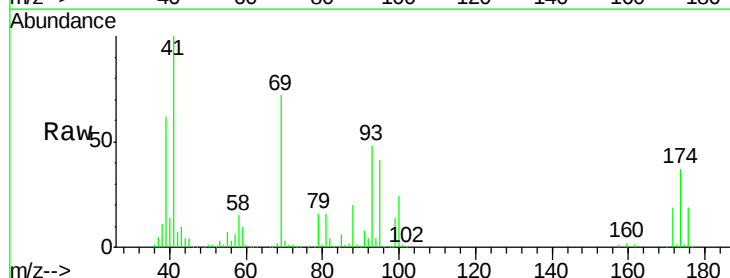
RT: 9.19 min Scan# 2308

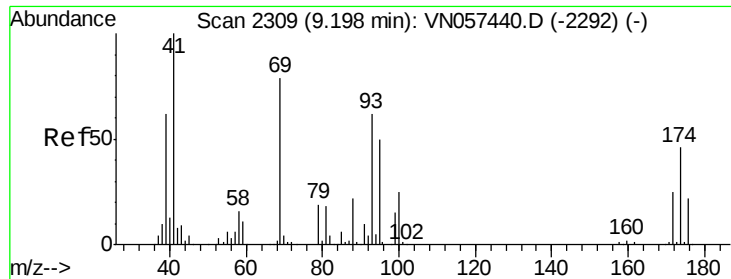
Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion:	41	Resp:	296976
Ion Ratio	Lower	Upper	
41	100		
69	72.7	59.3	88.9
39	63.1	50.6	75.8





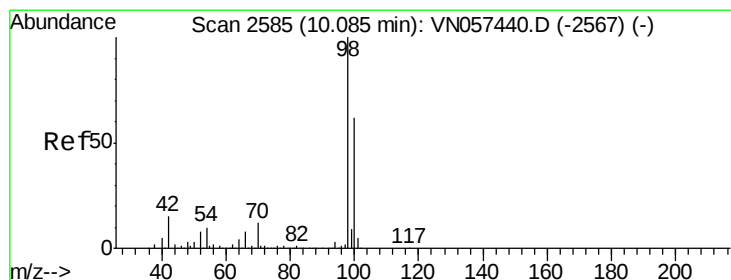
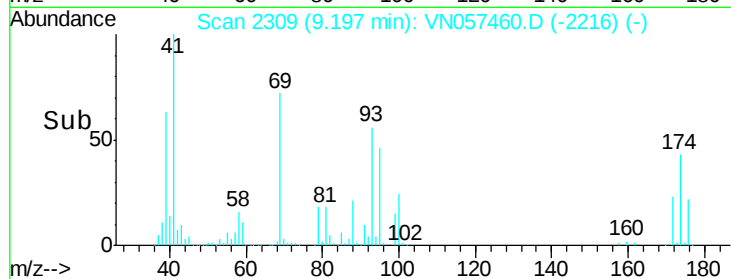
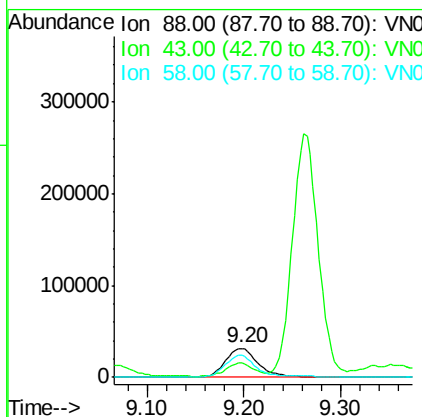
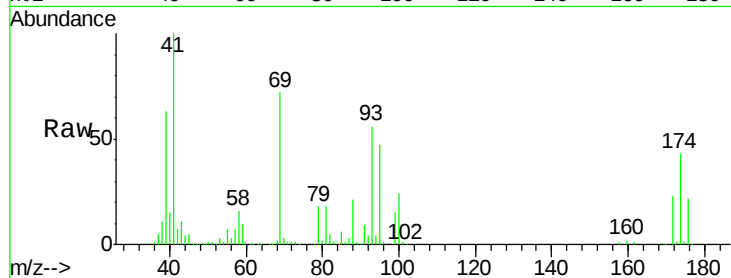
#49
1,4-Dioxane
Concen: 949.407 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	31.0	46.6
58	70.5	64.5	96.7

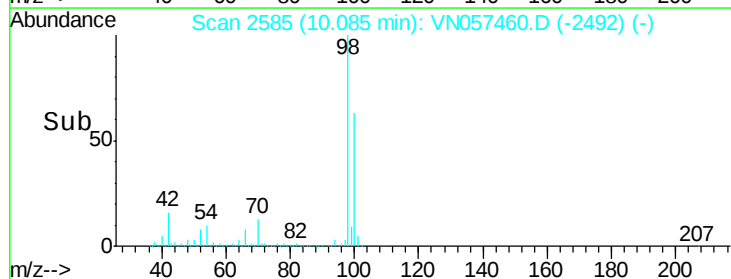
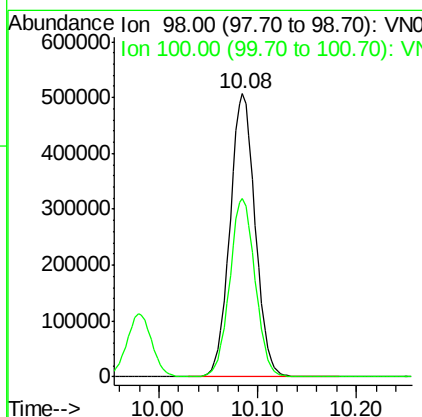
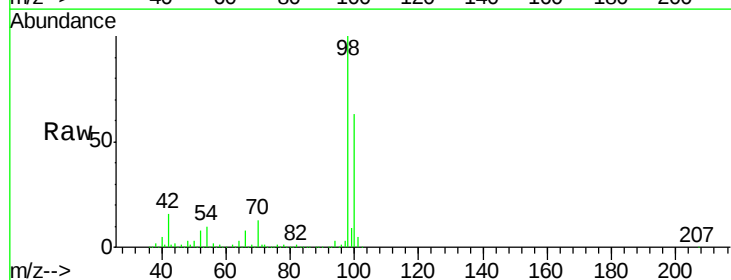
Manual Integrations
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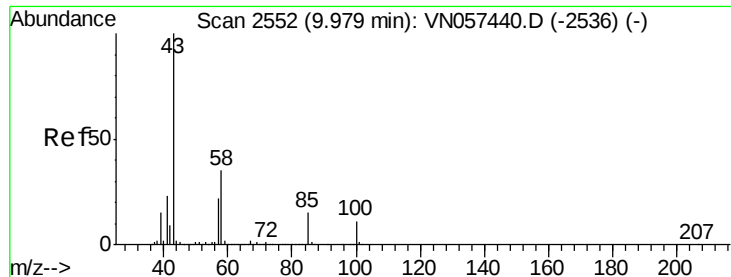
MMDadoda
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#50
Toluene-d8
Concen: 50.792 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 244.217 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1760830

Ion Ratio Lower Upper

43 100

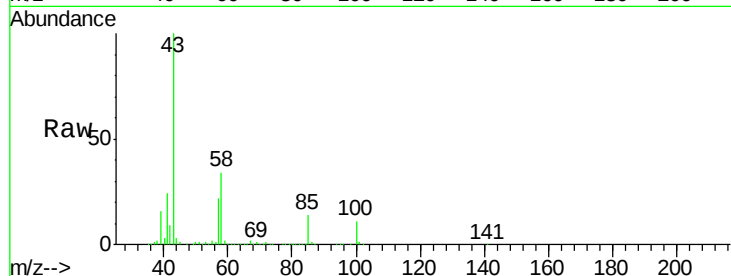
58 34.9 27.9 41.9

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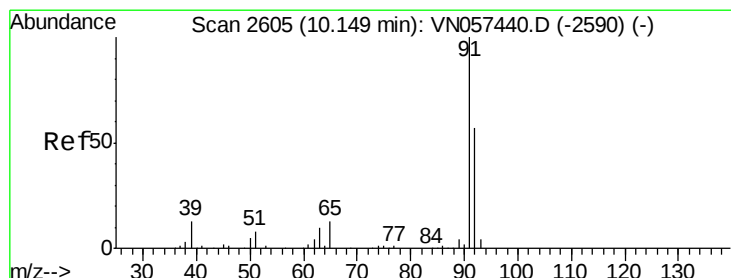
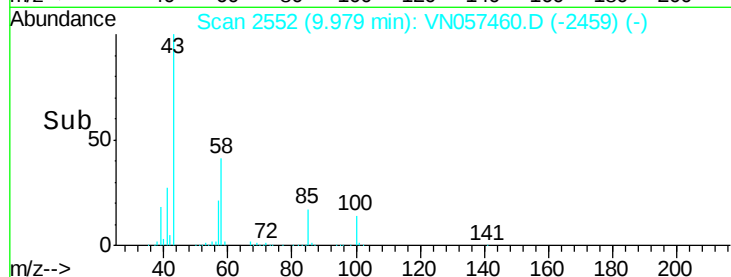
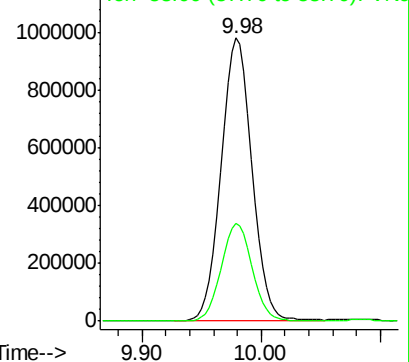
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.975 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057460.D

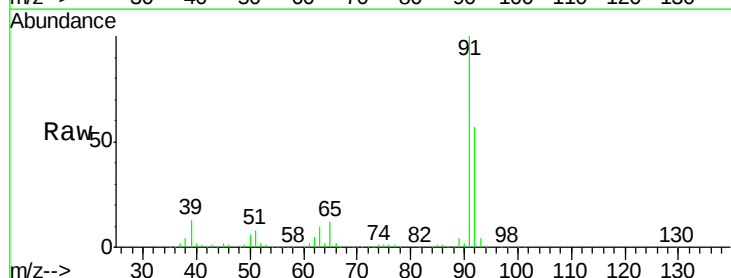
Acq: 23 Aug 2019 3:13

Tgt Ion: 92 Resp: 604931

Ion Ratio Lower Upper

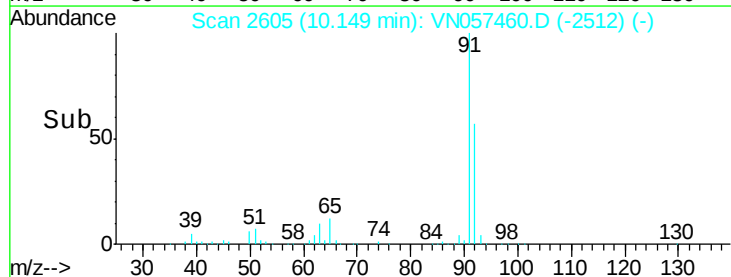
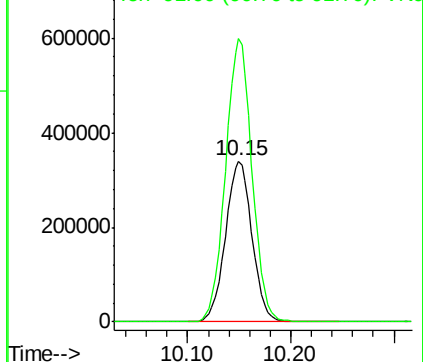
92 100

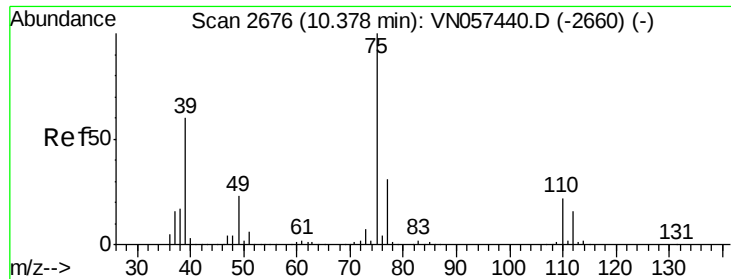
91 175.9 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





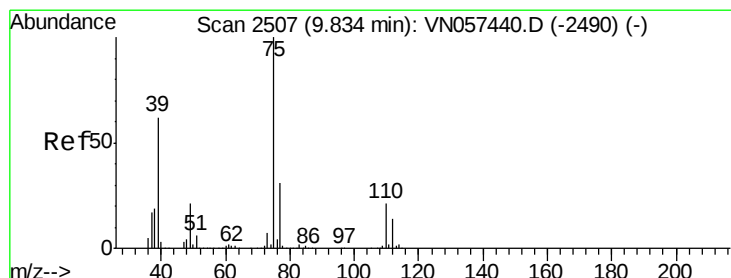
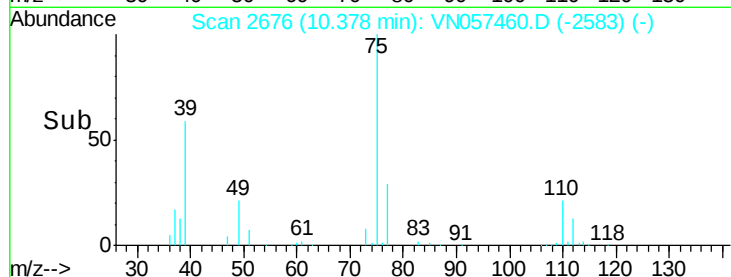
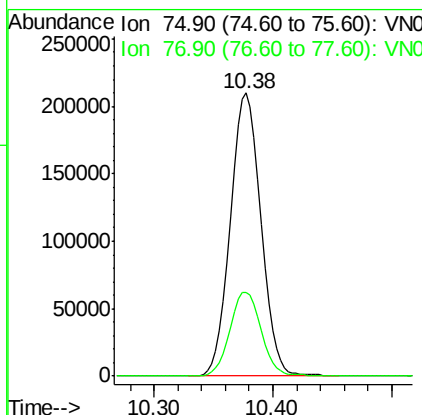
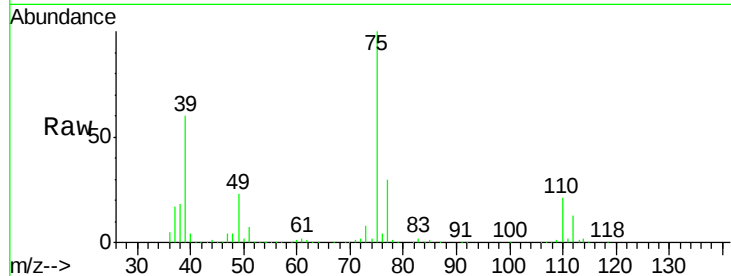
#53
t-1,3-Dichloropropene
Concen: 44.826 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.6

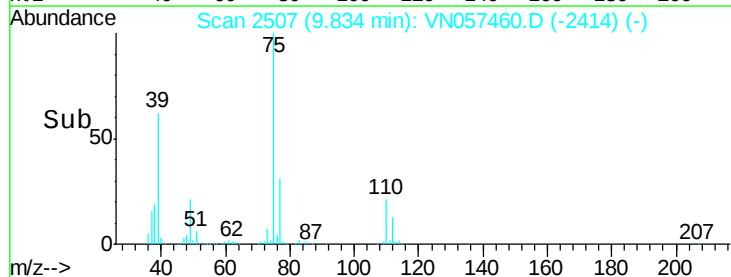
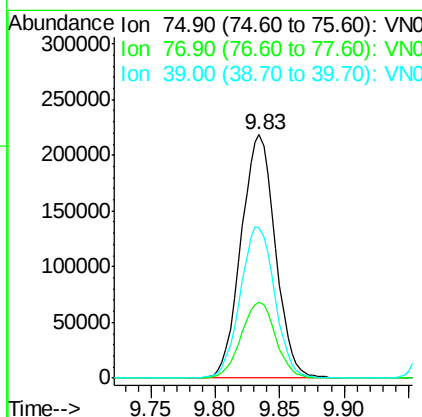
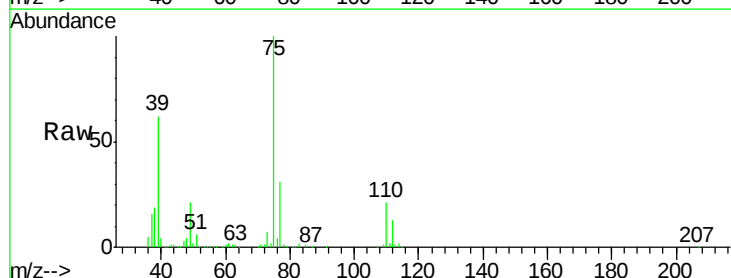
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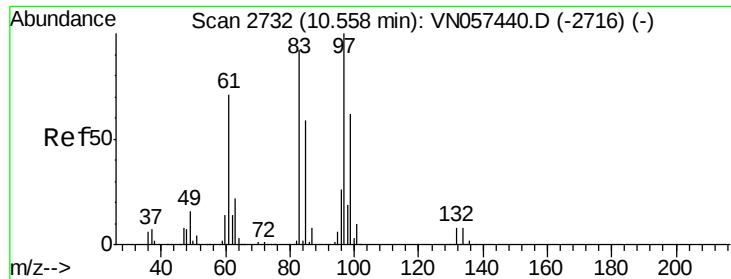
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#54
cis-1,3-Dichloropropene
Concen: 43.451 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6
39	61.4	49.2	73.8





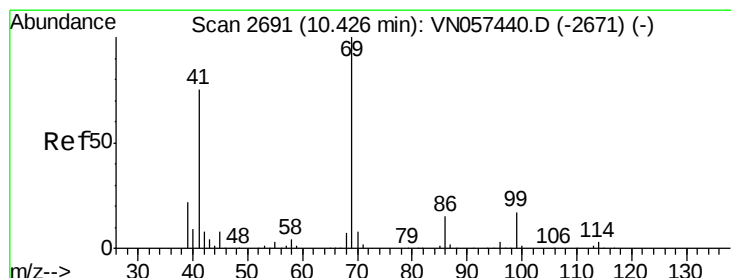
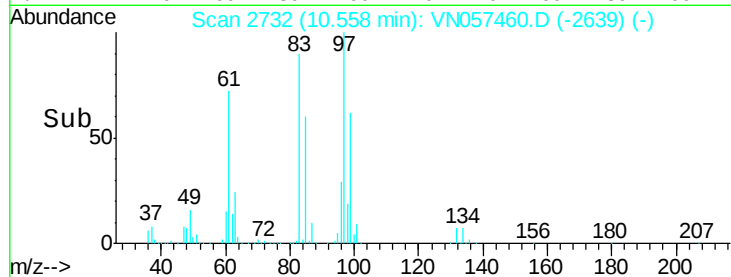
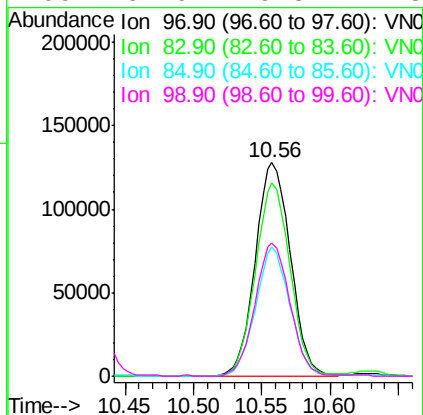
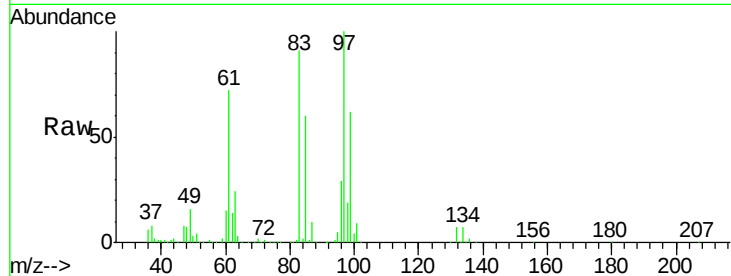
#55
 1,1,2-Trichloroethane
 Concen: 45.958 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	229564
Ion	Ratio	Lower	Upper
97	100		
83	90.5	73.7	110.5
85	60.4	46.8	70.2
99	61.9	49.8	74.8

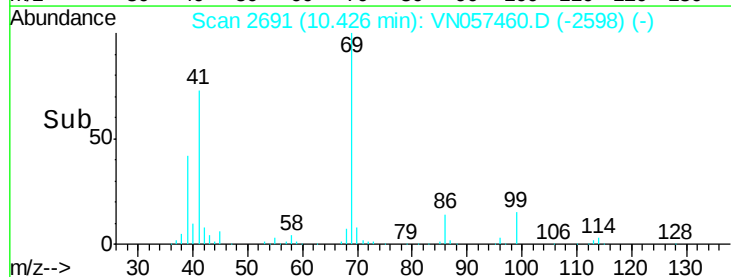
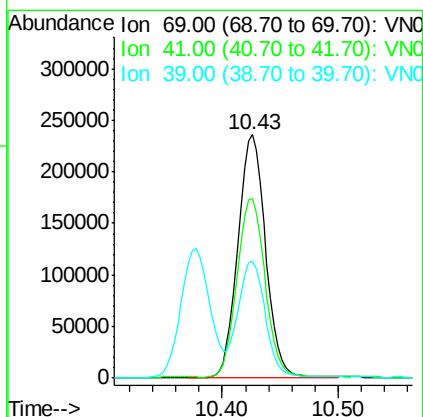
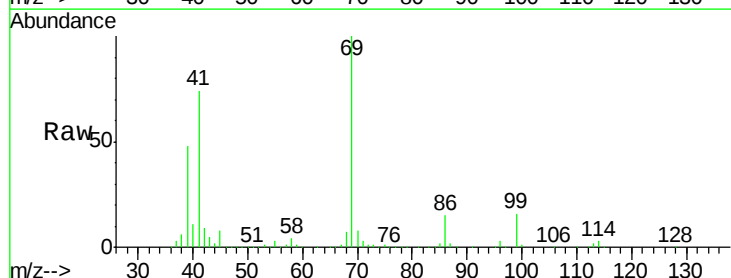
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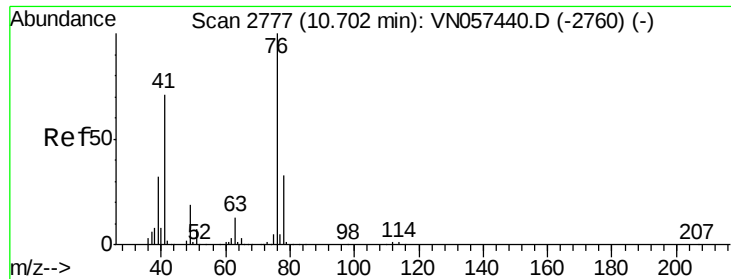
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#56
 Ethyl methacrylate
 Concen: 49.869 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion:	69	Resp:	391852
Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.8	91.2
39	46.5	36.5	54.7





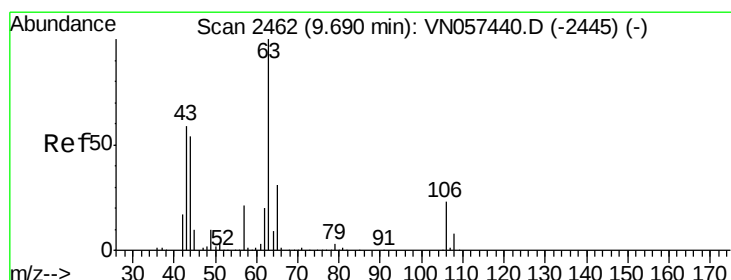
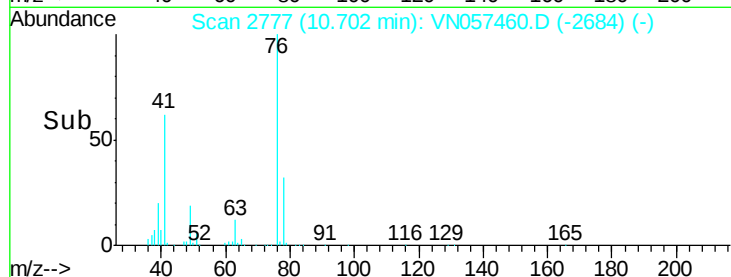
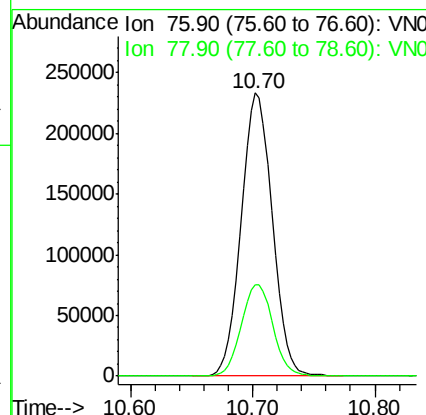
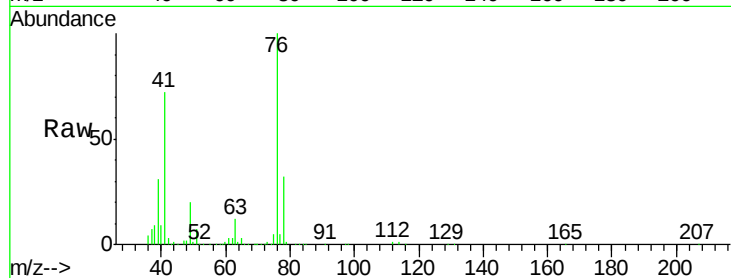
#57
 1,3-Dichloropropane
 Concen: 47.300 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

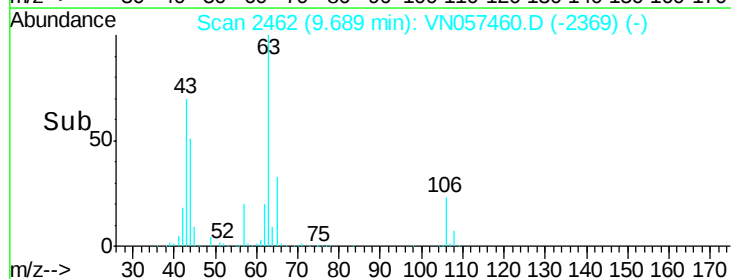
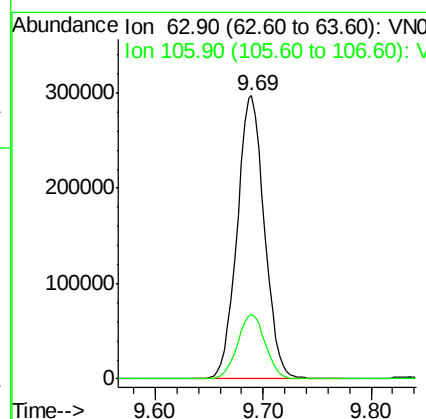
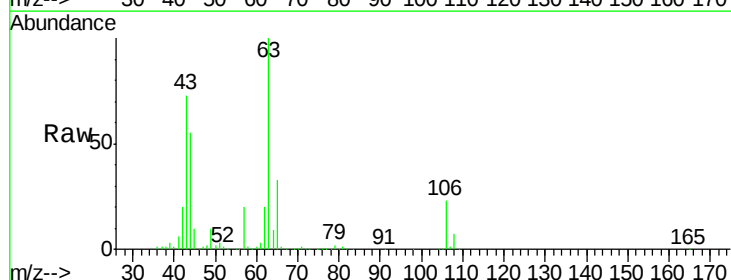
Manual Integrations
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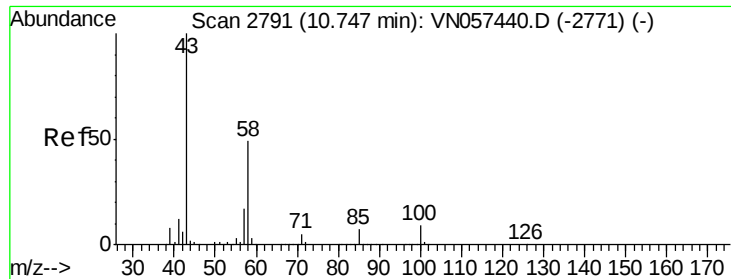
MMDadoda
 8/23/2019 2:39:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.387 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.1	18.6	27.8





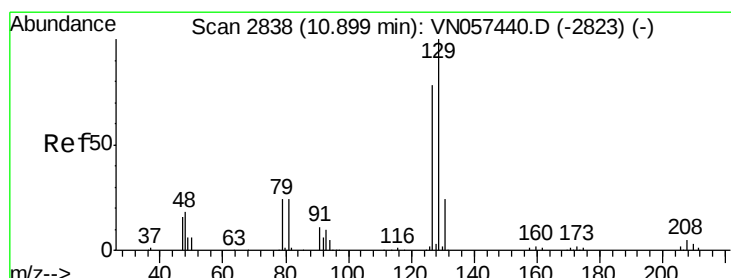
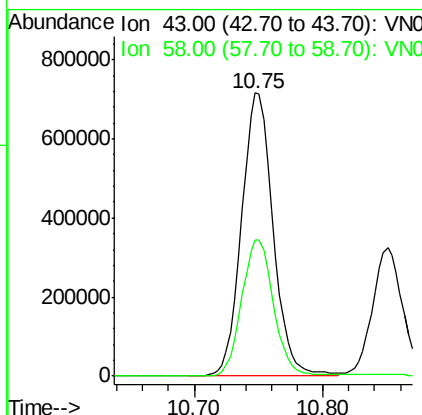
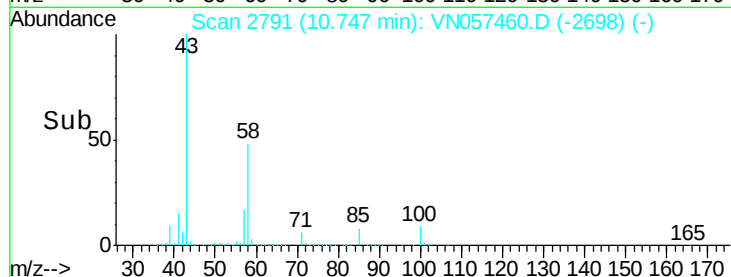
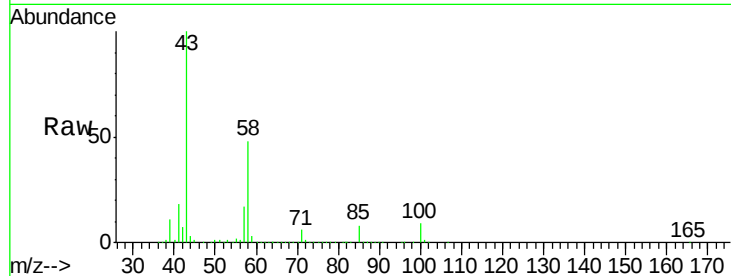
#59
2-Hexanone
Concen: 245.751 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1215312
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.6

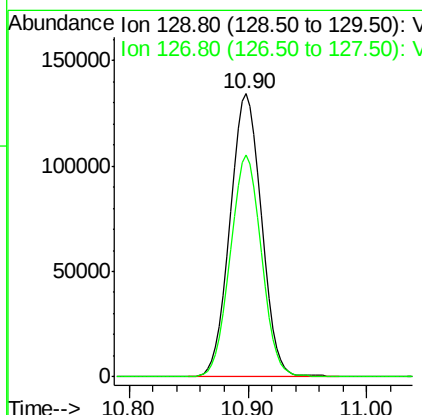
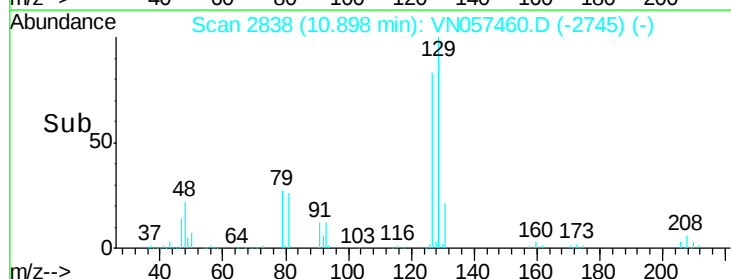
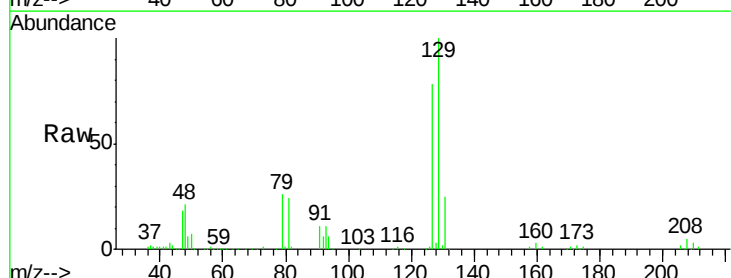
Manual Integrations
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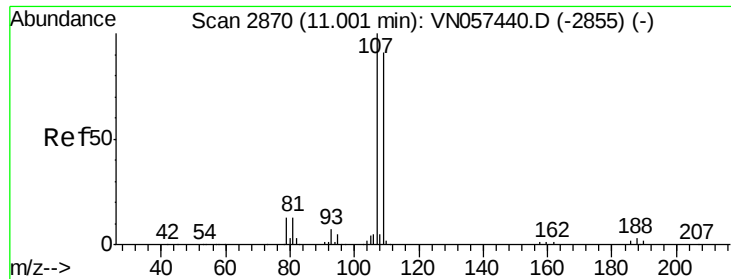
MMDadoda
8/23/2019 2:39:53 PM



#60
Dibromochloromethane
Concen: 46.719 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 129 Resp: 246618
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 47.546 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 232938

Ion Ratio Lower Upper

107 100

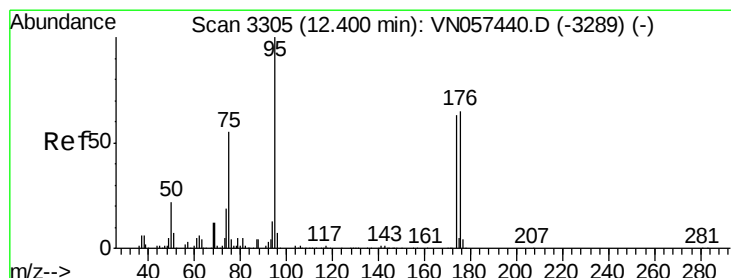
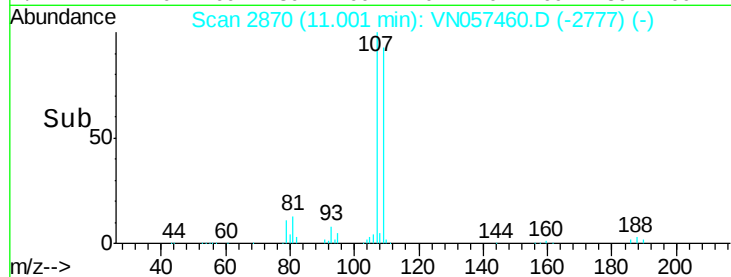
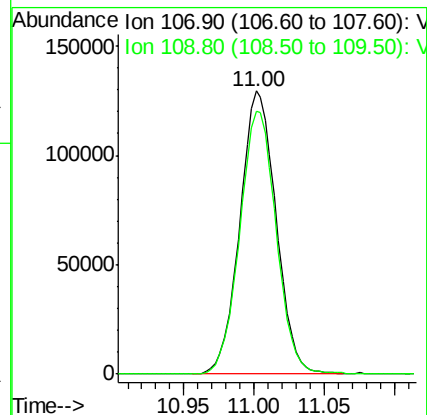
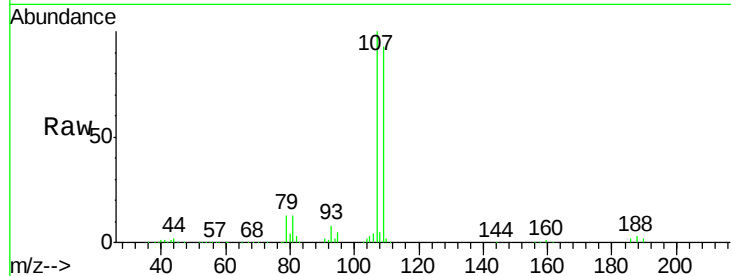
109 93.6 73.8 110.8

Manual Integrations

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MMDadoda

8/23/2019 2:39:53 PM



#62

4-Bromofluorobenzene

Concen: 51.158 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

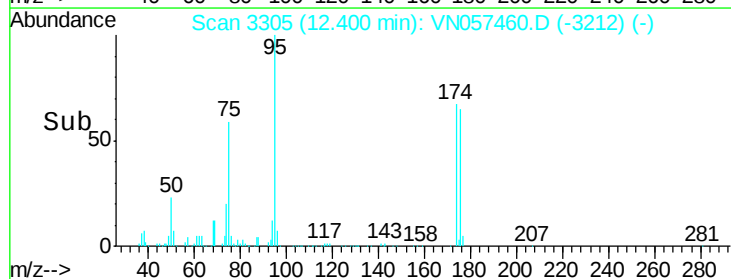
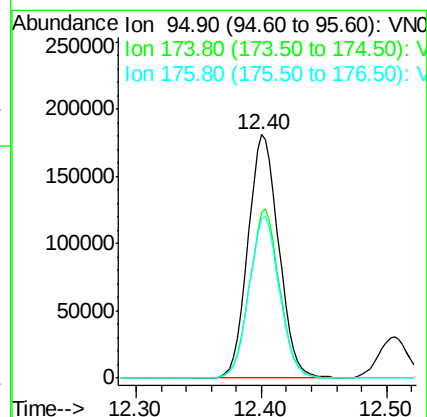
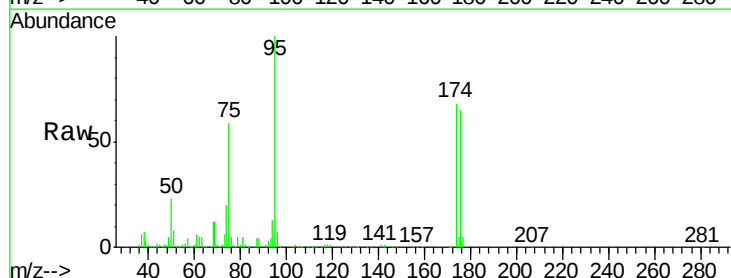
Tgt Ion: 95 Resp: 309417

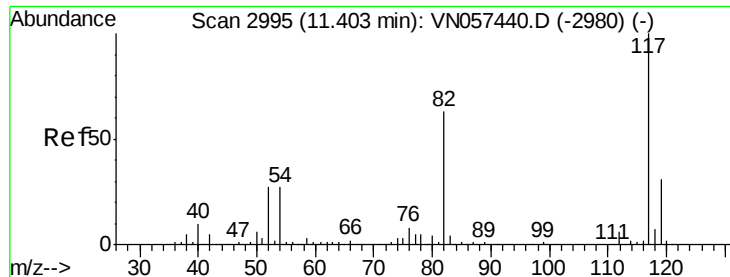
Ion Ratio Lower Upper

95 100

174 67.9 0.0 133.0

176 65.3 0.0 130.8





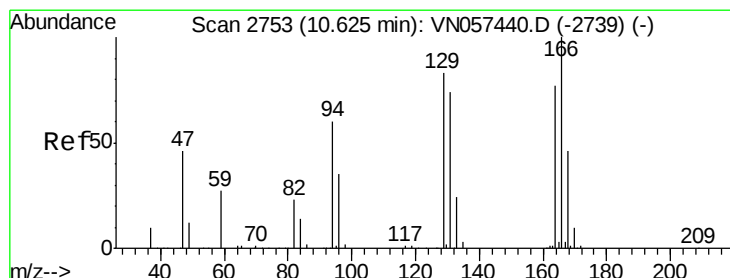
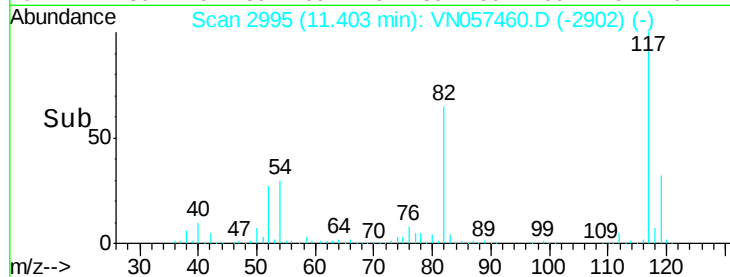
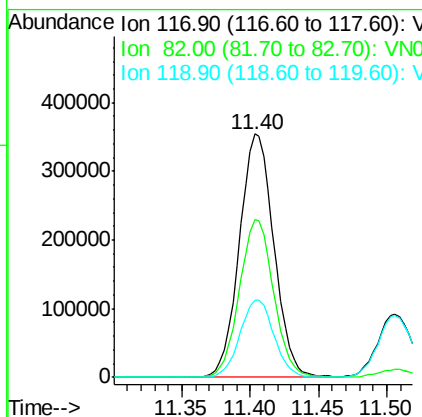
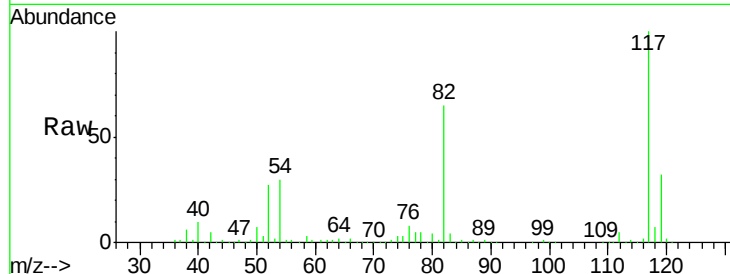
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.6	50.6	75.8
119	31.7	24.6	36.8

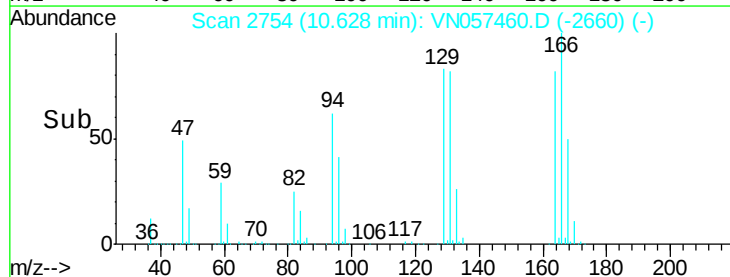
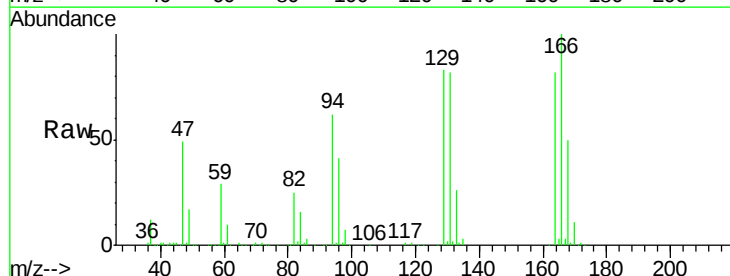
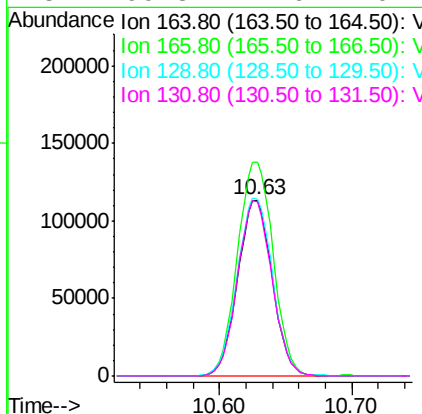
Manual Integrations
APPROVED

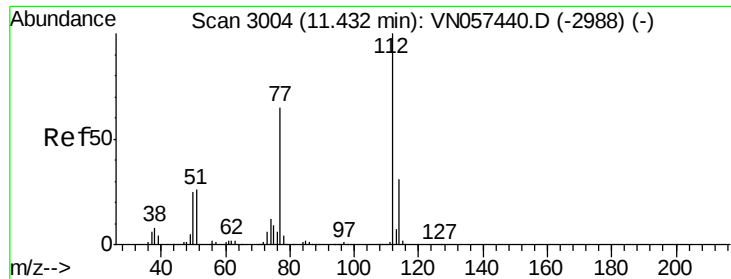
MMDadoda
8/23/2019 2:39:53 PM



#64
Tetrachloroethene
Concen: 47.118 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	104.4	156.6
129	100.8	86.6	130.0
131	99.3	77.6	116.4





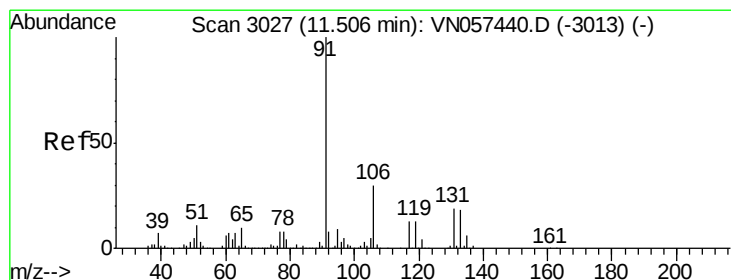
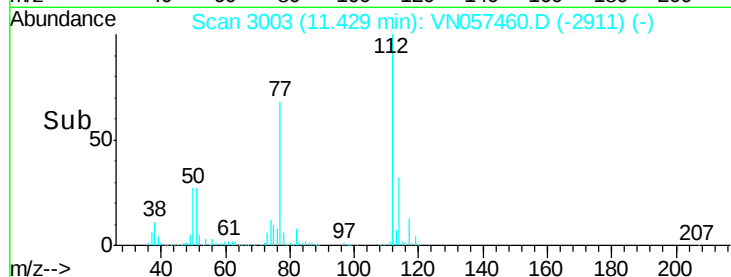
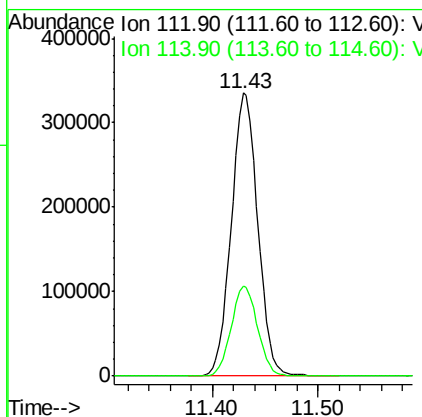
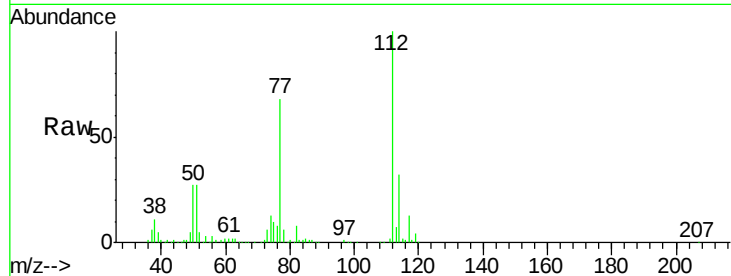
#65
Chlorobenzene
Concen: 46.215 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.8	37.2

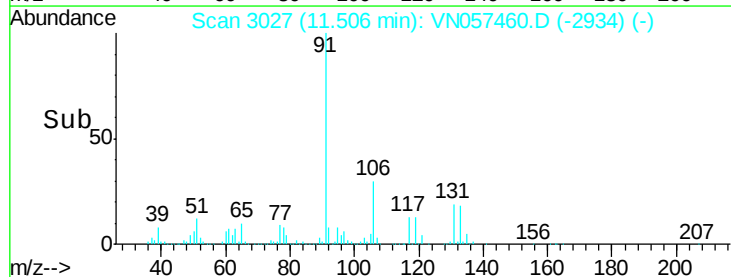
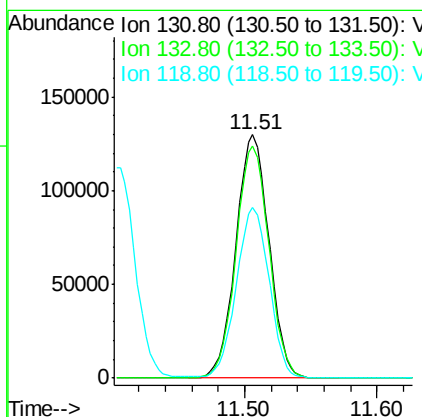
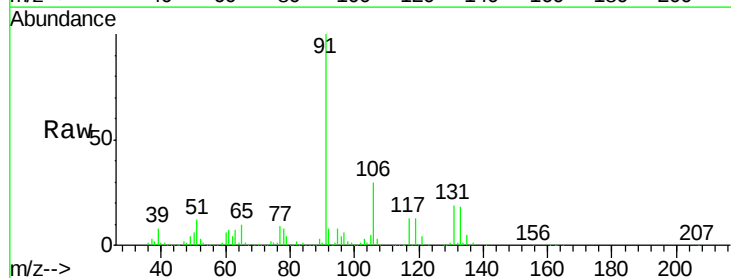
Manual Integrations
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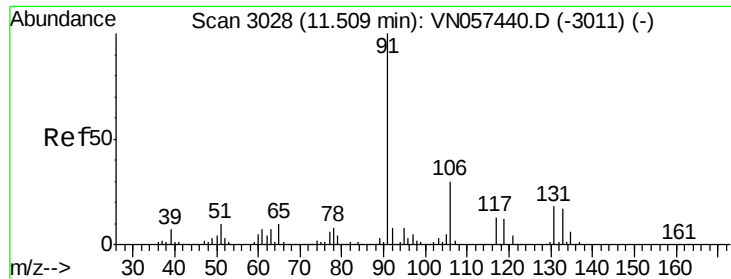
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.681 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.8
119	69.2	34.4	103.2





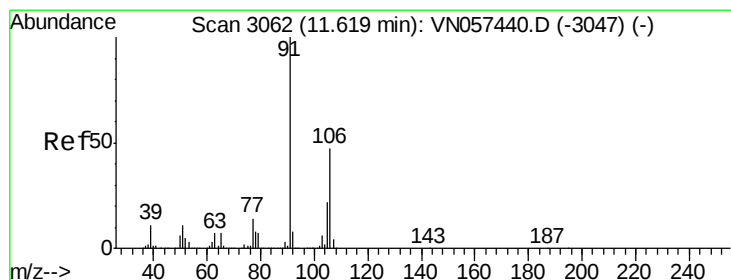
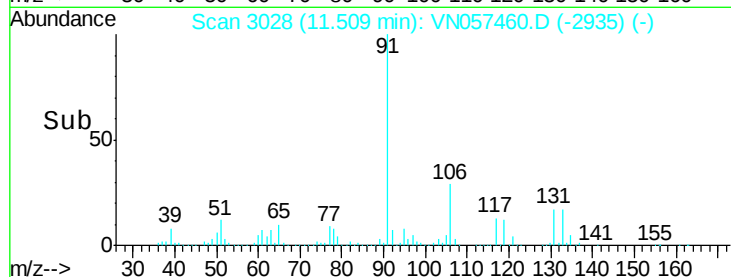
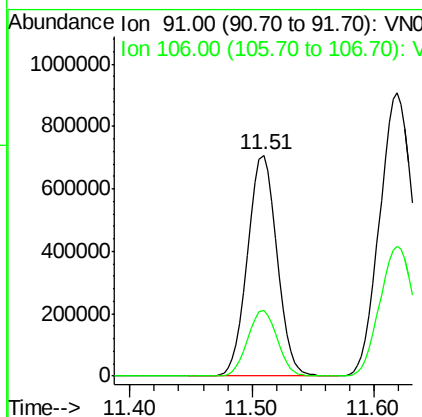
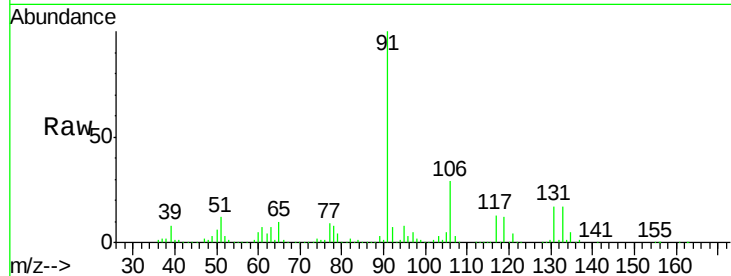
#67
Ethyl Benzene
Concen: 48.194 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1173319
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

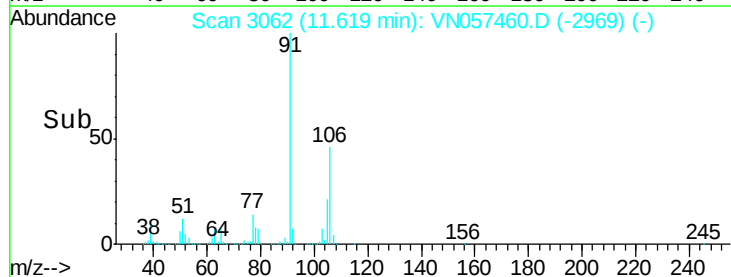
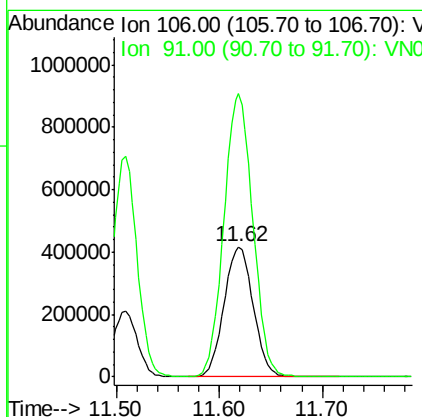
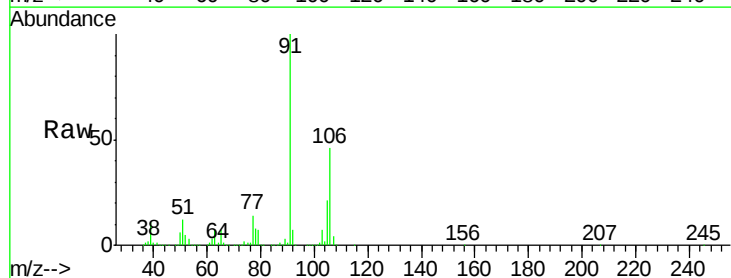
Manual Integrations
APPROVED

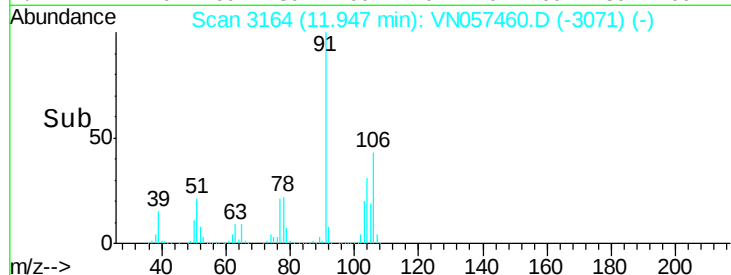
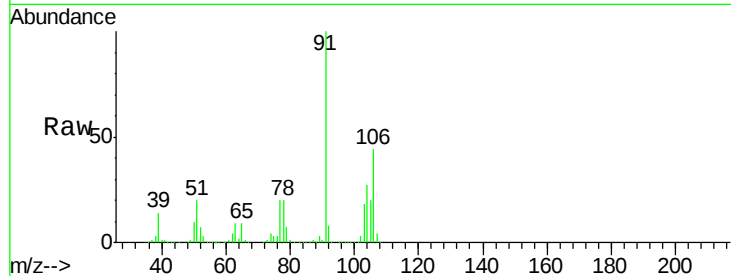
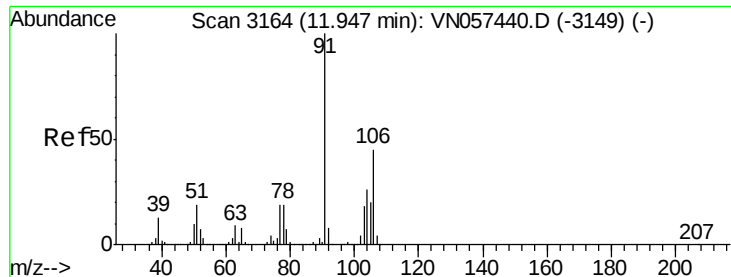
MMDadoda
8/23/2019 2:39:53 PM



#68
m/p-Xylenes
Concen: 99.230 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 106 Resp: 821574
Ion Ratio Lower Upper
106 100
91 215.1 171.8 257.6





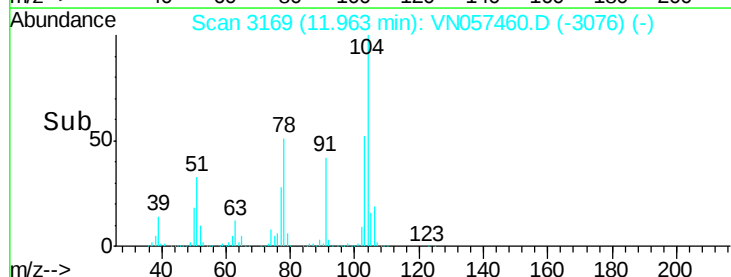
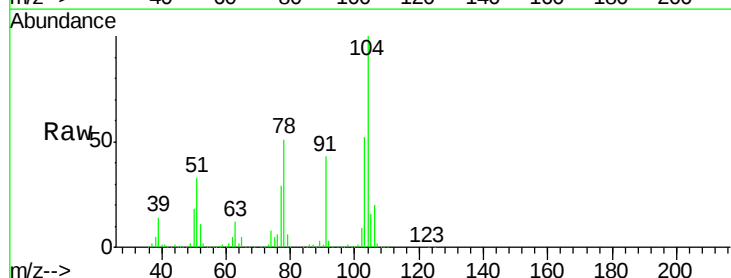
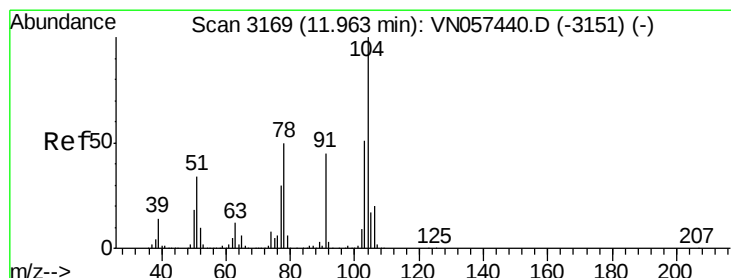
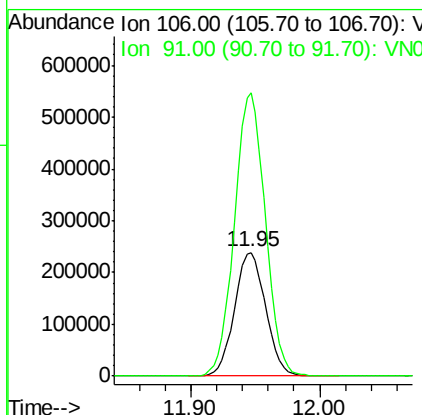
#69
o-Xylene
Concen: 48.790 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	400167		
91	91	227.4	112.3	336.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

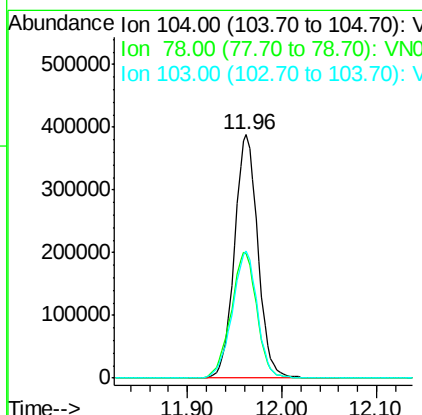
Manual Integrations
APPROVED

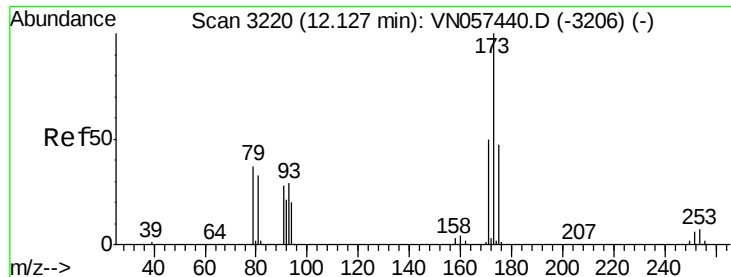
MMDadoda
8/23/2019 2:39:53 PM



#70
Styrene
Concen: 51.322 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	666528		
78	78	57.0	44.7	67.1	
103	103	55.7	44.4	66.6	





#71

Bromoform

Concen: 47.055 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

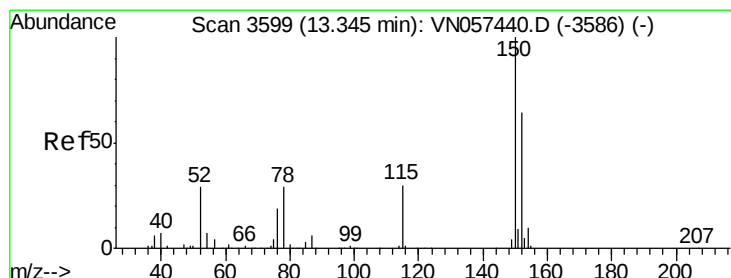
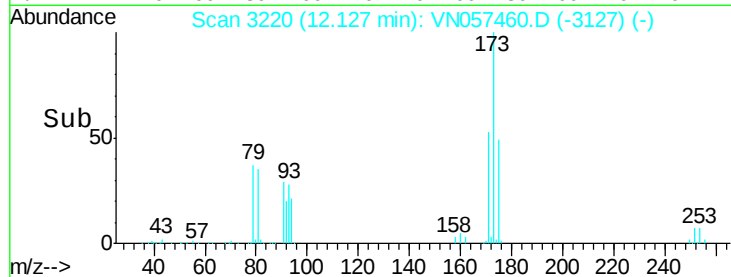
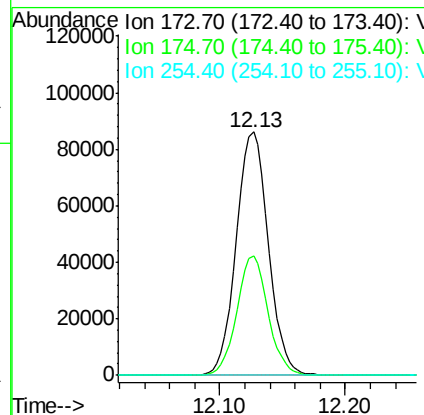
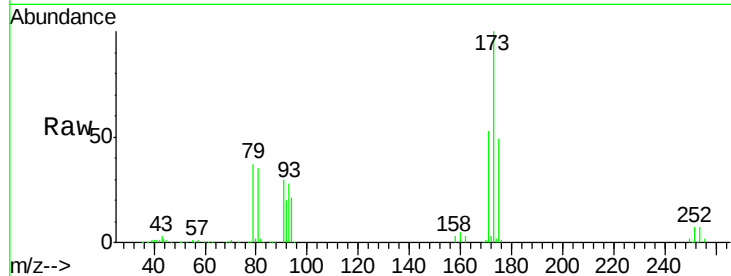
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
173	100	153439		
175	47.5	23.9	71.8	
254	0.1	0.1	0.1#	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

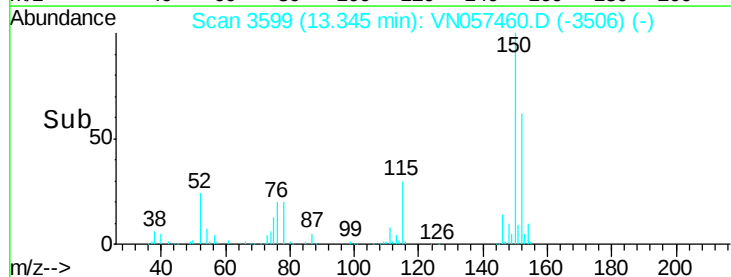
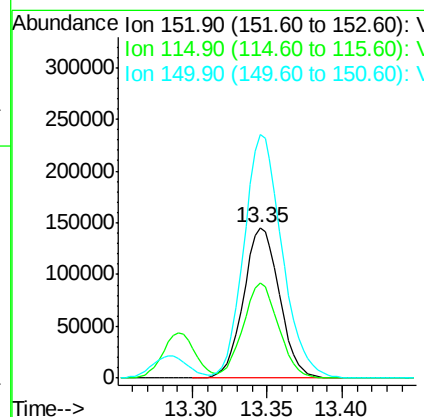
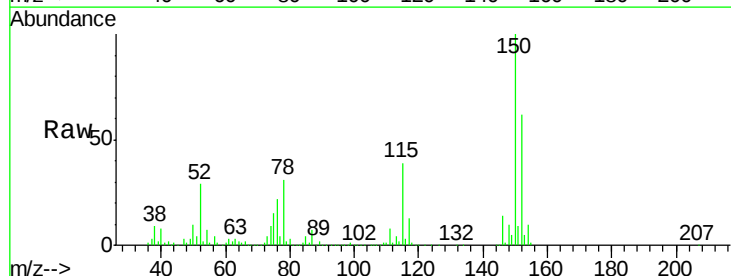
RT: 13.35 min Scan# 3599

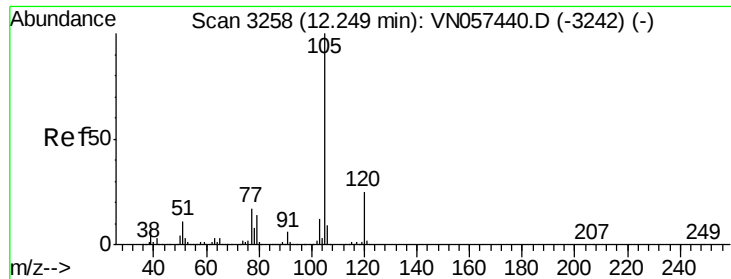
Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	242165		
115	62.5	32.0	96.0	
150	172.6	0.0	346.6	





#73

Isopropylbenzene

Concen: 50.845 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1091192

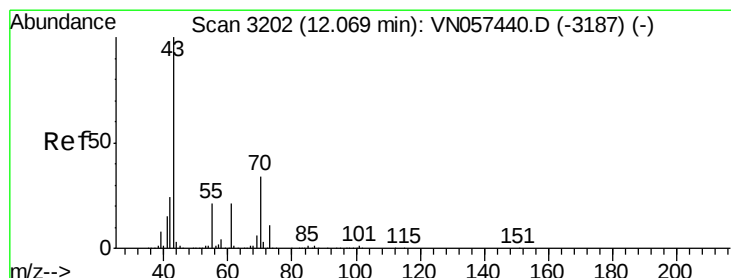
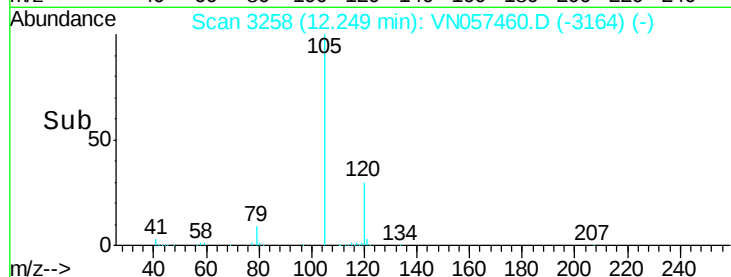
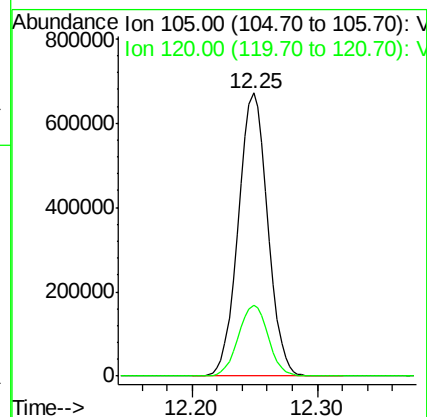
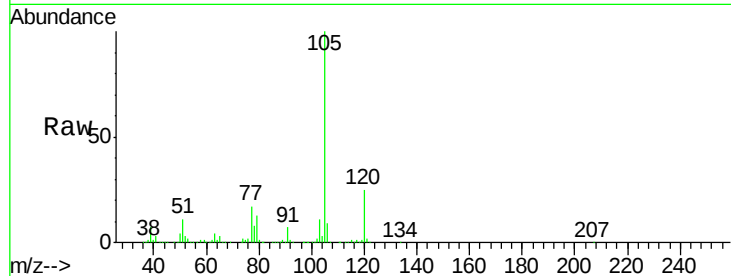
Ion Ratio Lower Upper

105 100

120 25.5 12.7 38.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.989 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion: 43 Resp: 505787

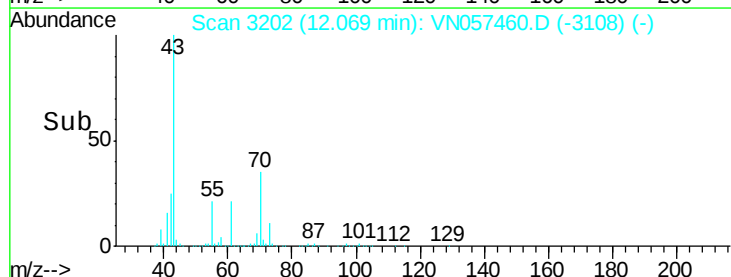
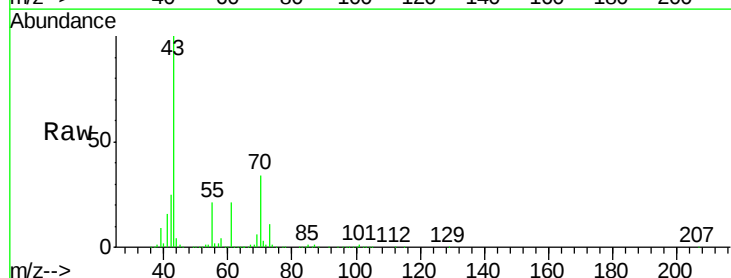
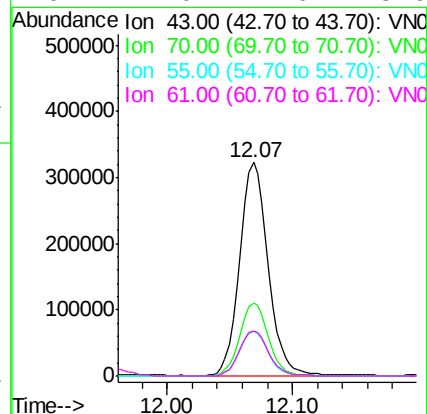
Ion Ratio Lower Upper

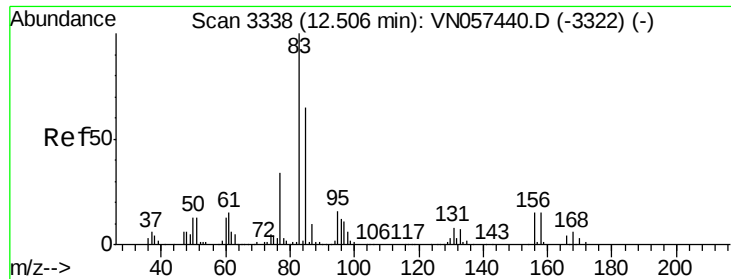
43 100

70 35.0 27.8 41.6

55 21.1 17.0 25.4

61 22.0 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.691 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 313328

Ion Ratio Lower Upper

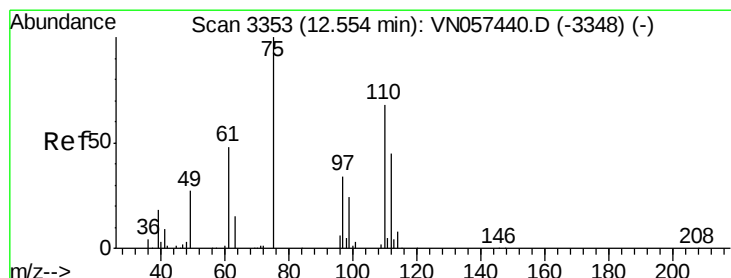
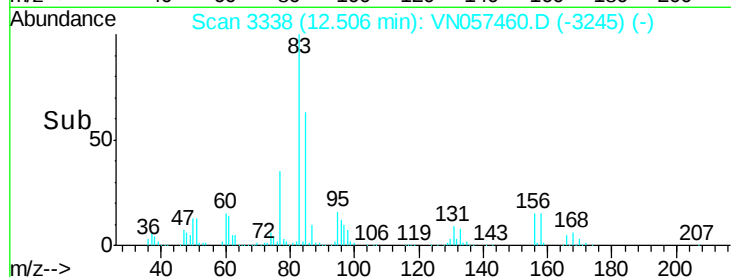
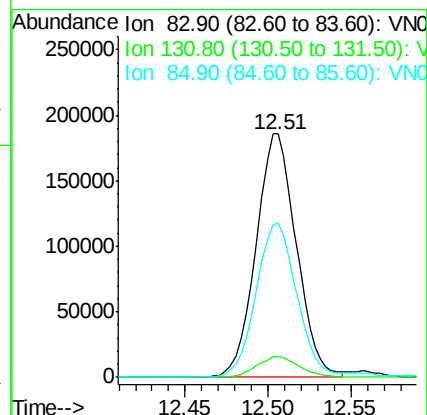
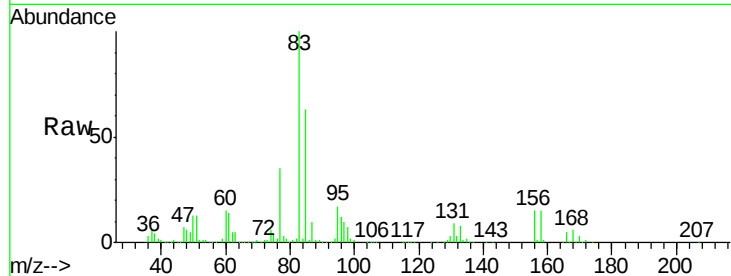
83 100

131 9.1 4.3 13.1

85 64.2 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.579 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057460.D

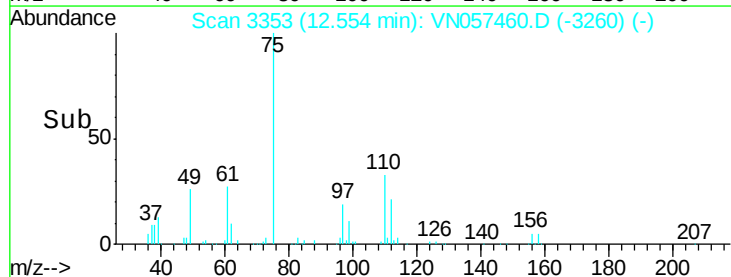
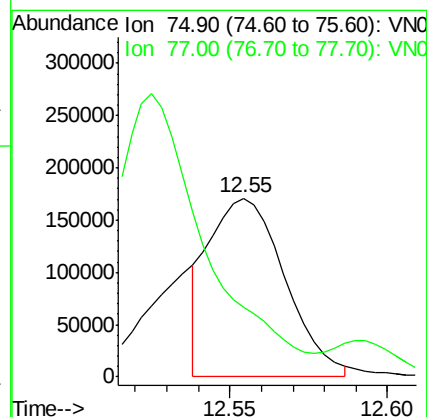
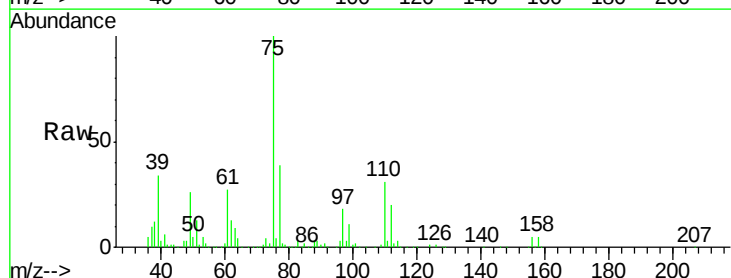
Acq: 23 Aug 2019 3:13

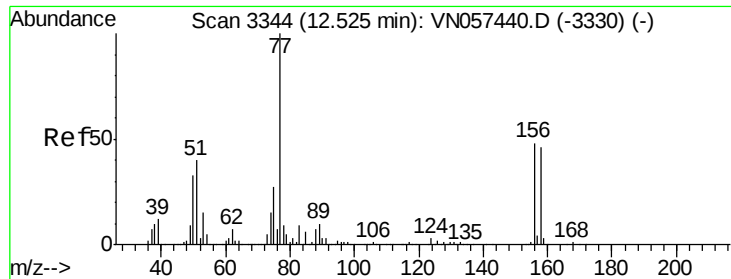
Tgt Ion: 75 Resp: 285759

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.502 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

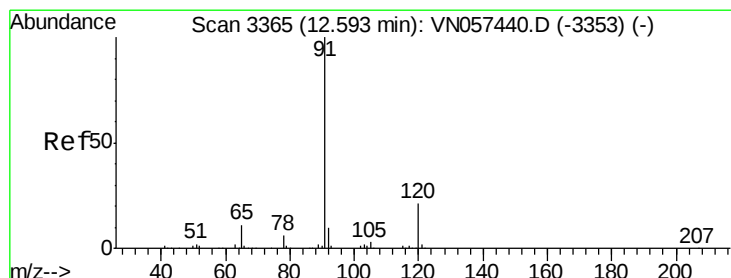
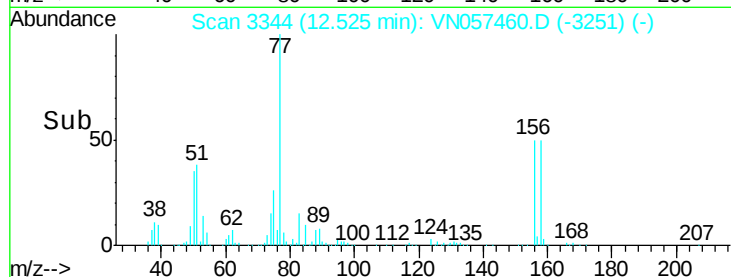
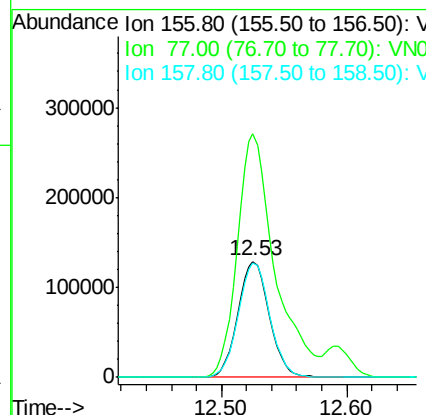
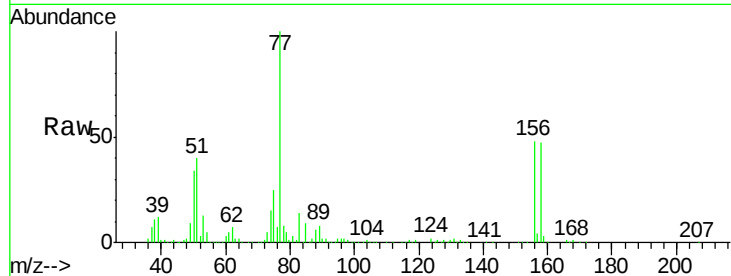
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	250.1	124.4	373.3
158	99.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 49.875 ug/l

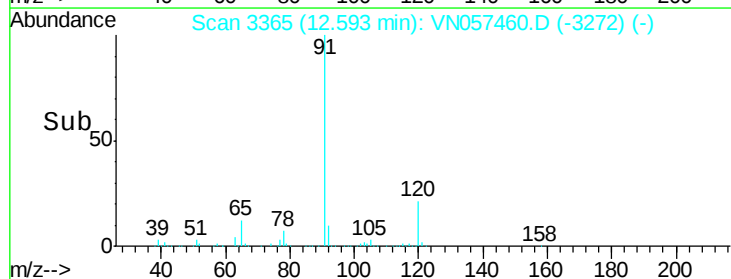
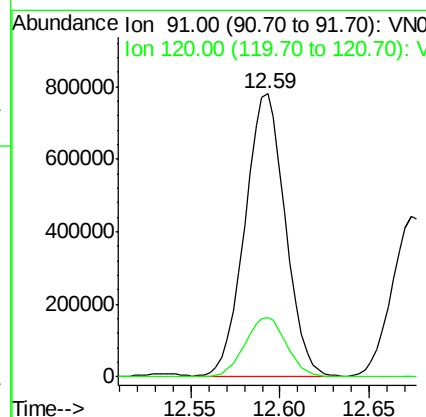
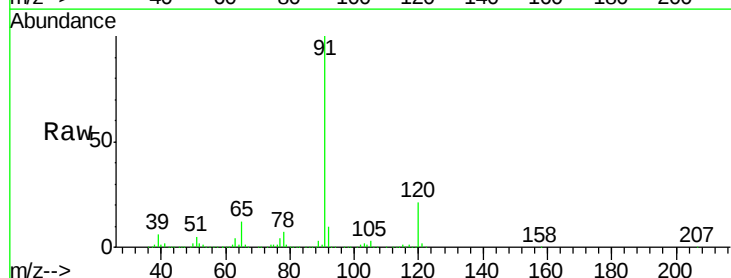
RT: 12.59 min Scan# 3365

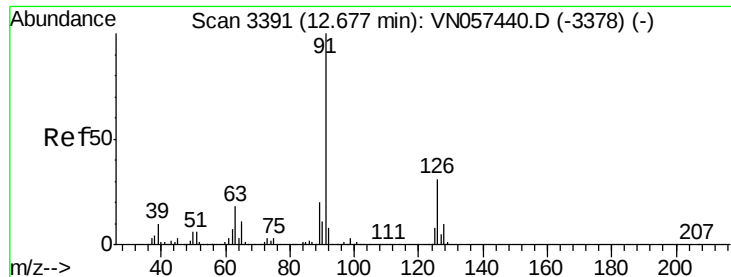
Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.7	32.1





#79

2-Chlorotoluene

Concen: 51.040 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 736484

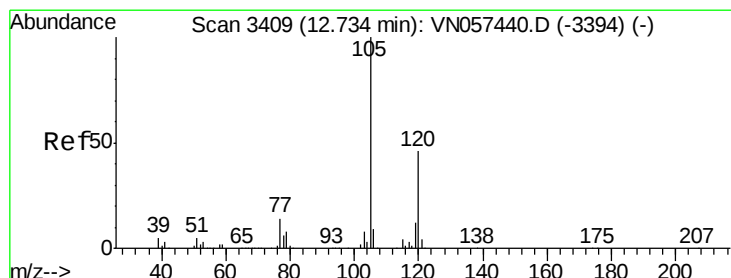
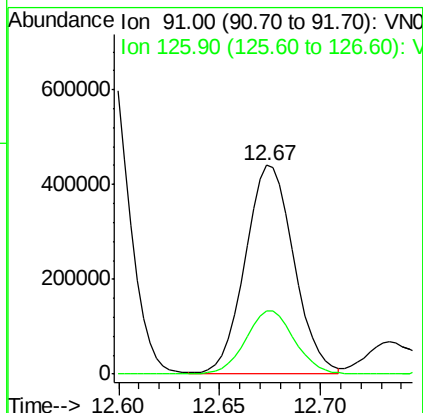
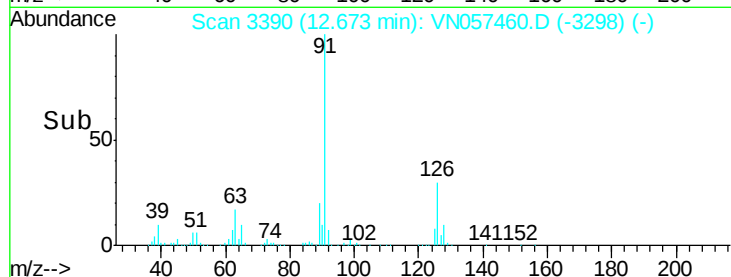
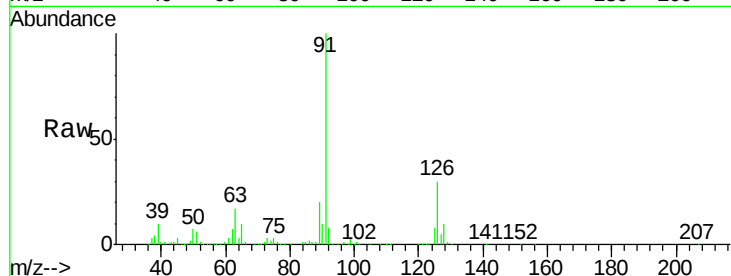
Ion Ratio Lower Upper

91 100

126 30.7 15.3 45.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 51.127 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057460.D

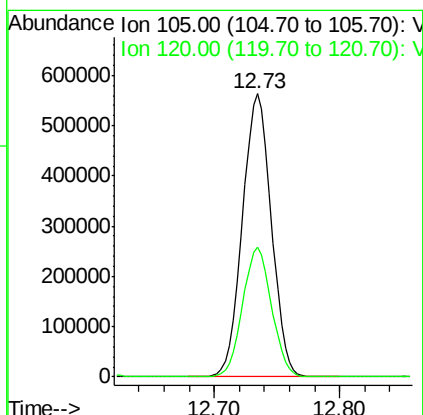
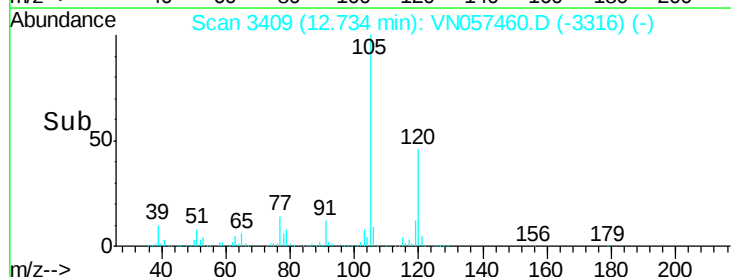
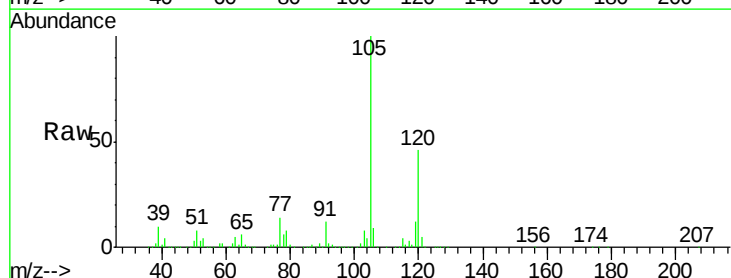
Acq: 23 Aug 2019 3:13

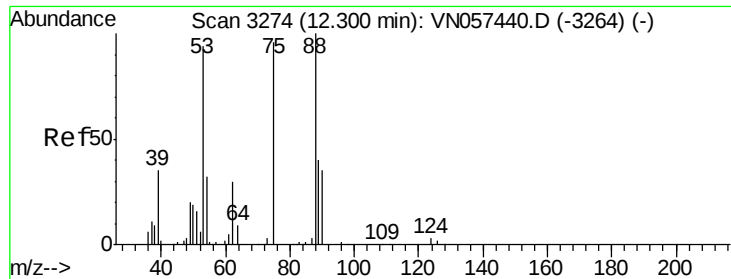
Tgt Ion: 105 Resp: 901422

Ion Ratio Lower Upper

105 100

120 46.0 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.270 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

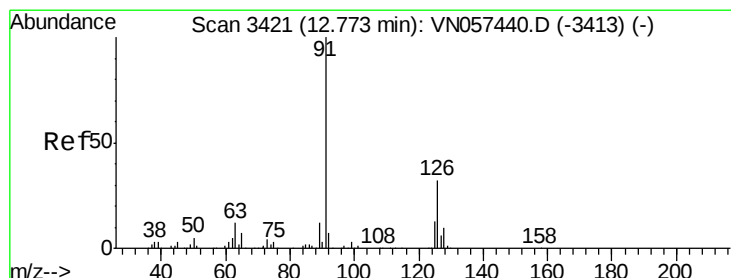
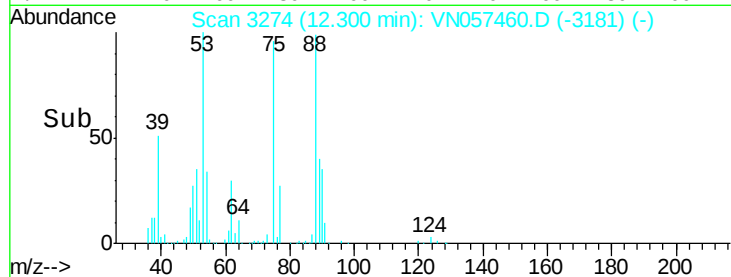
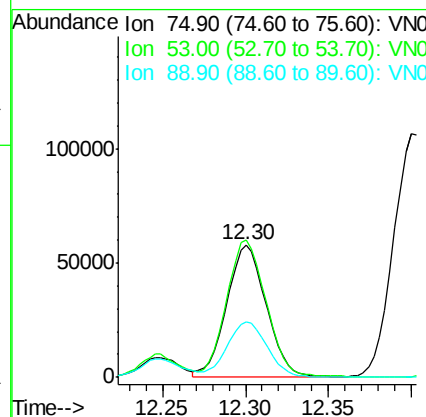
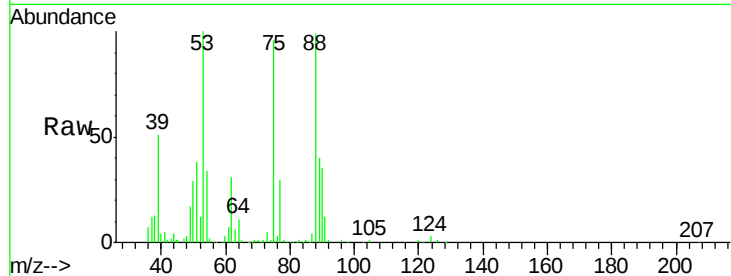
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	95361
Ion Ratio	Lower	Upper	
75	100		
53	105.5	82.7	124.1
89	43.2	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.122 ug/l

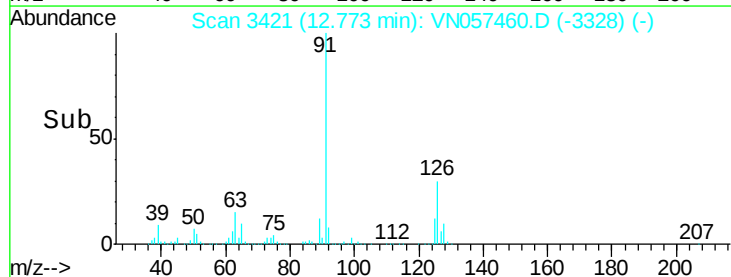
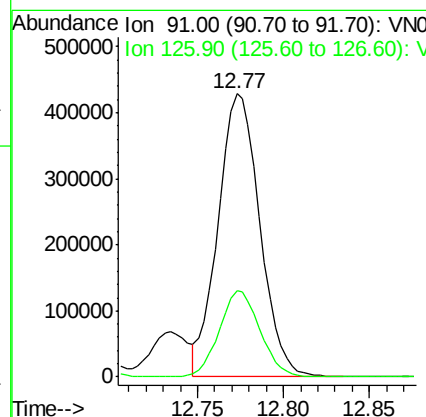
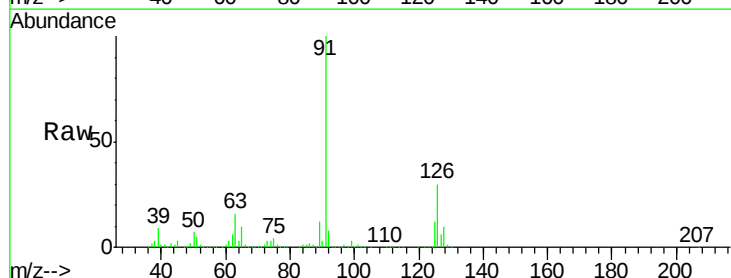
RT: 12.77 min Scan# 3421

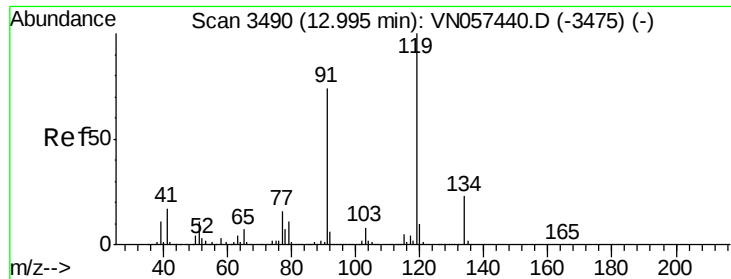
Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion:	91	Resp:	722944
Ion Ratio	Lower	Upper	
91	100		
126	29.8	15.0	45.0





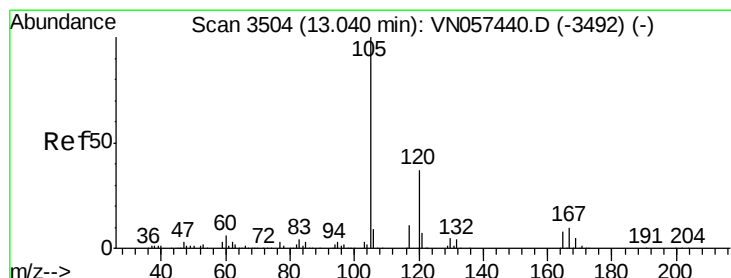
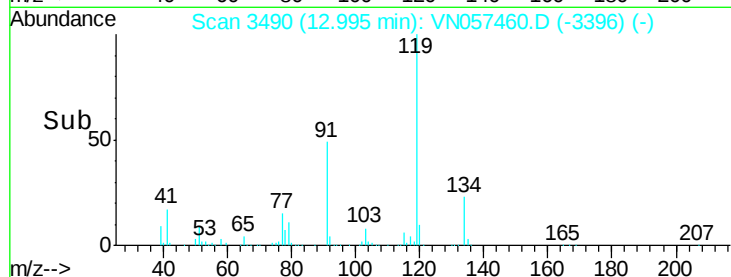
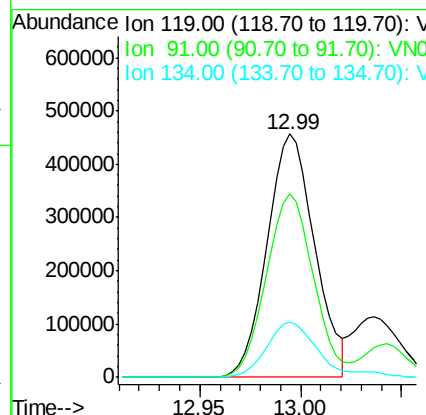
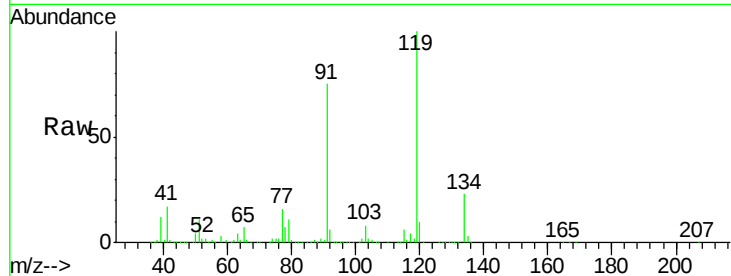
#83
 tert-Butylbenzene
 Concen: 50.795 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.9	37.0	111.0
134	24.8	12.2	36.6

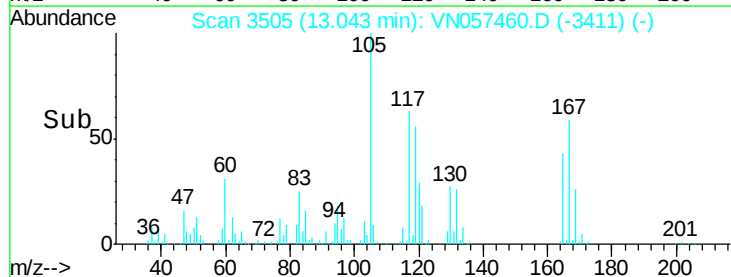
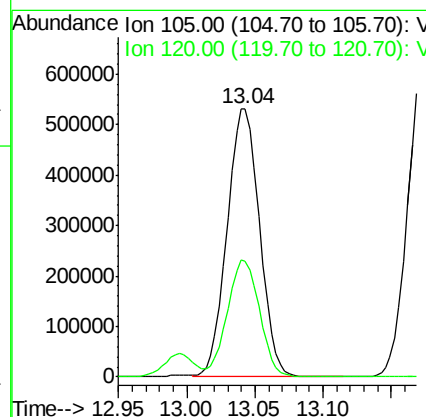
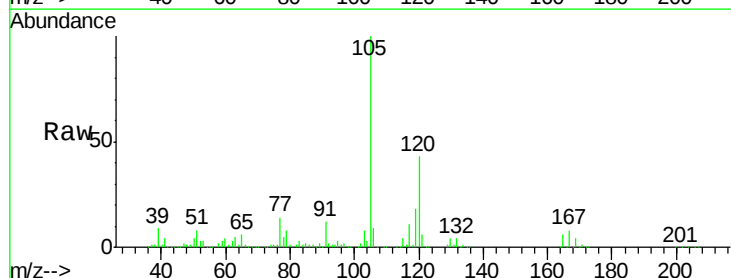
Manual Integrations
 APPROVED

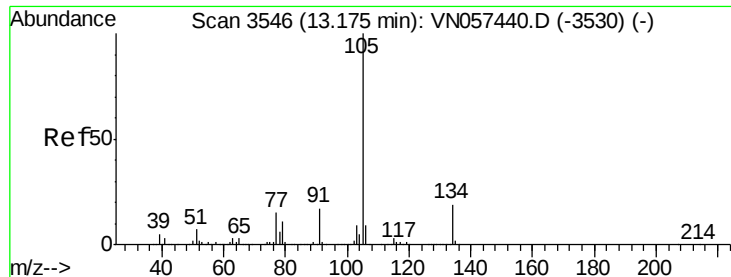
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.700 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.7





#85

sec-Butylbenzene

Concen: 50.435 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1008799

Ion Ratio Lower Upper

105 100

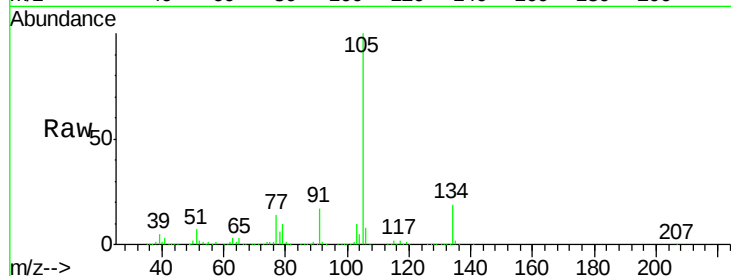
134 18.6 9.3 27.9

Manual Integrations

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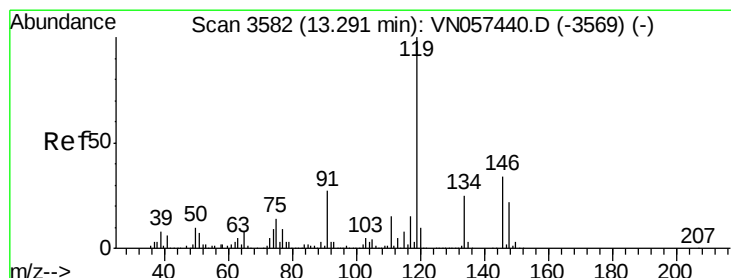
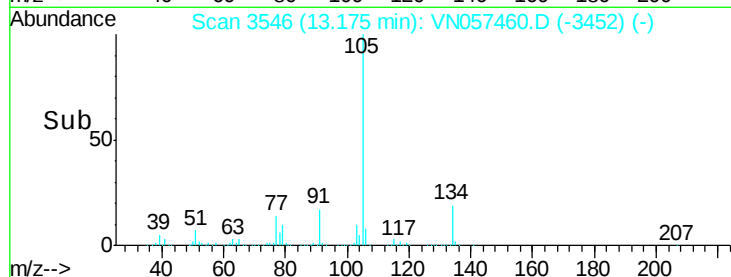
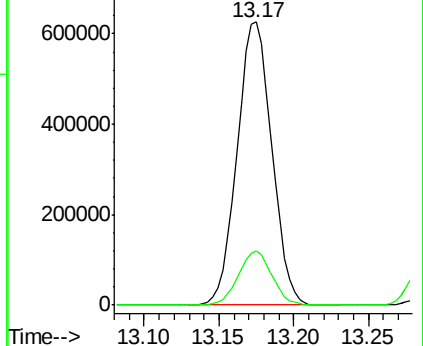
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.673 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

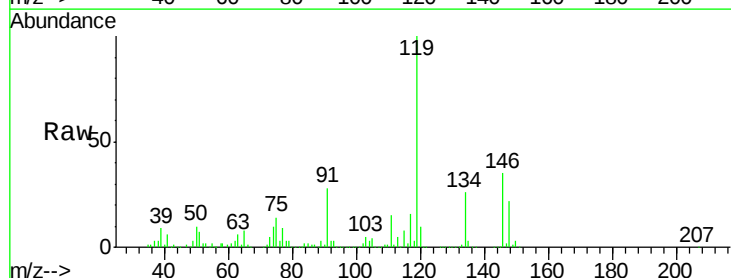
Tgt Ion:119 Resp: 845604

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

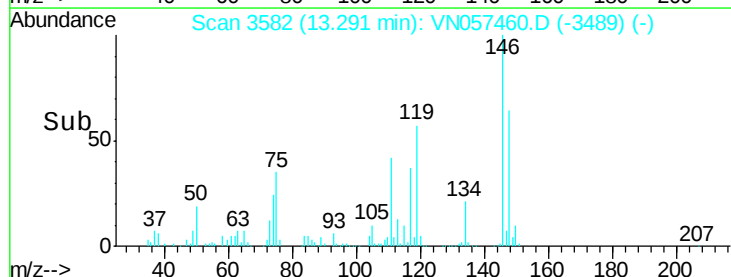
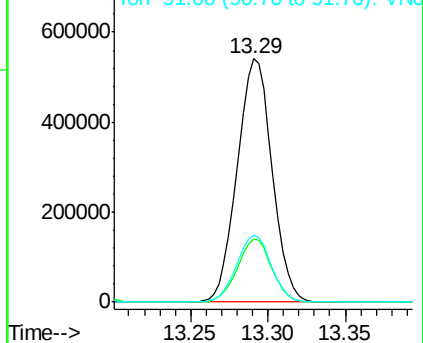
91 27.4 13.9 41.6

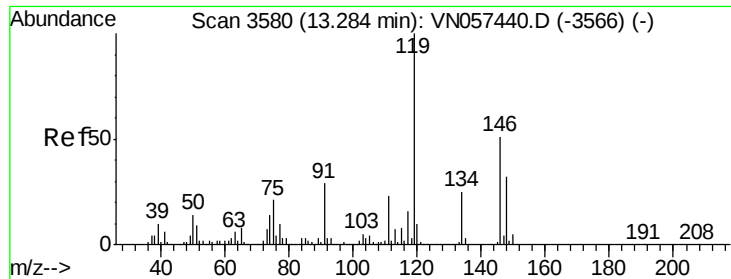


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.936 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

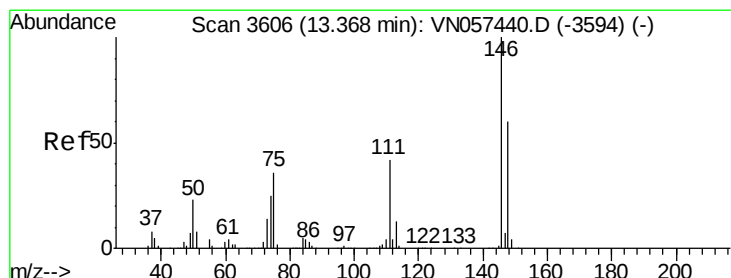
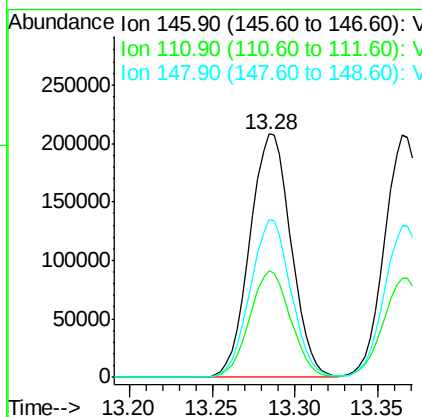
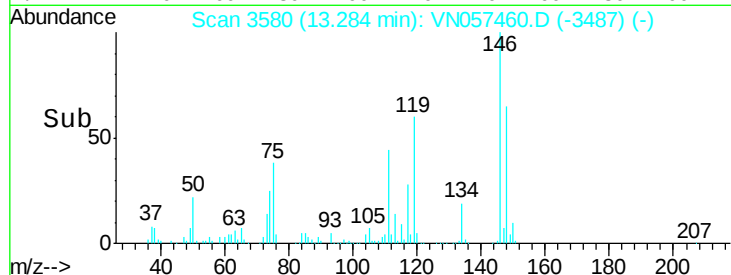
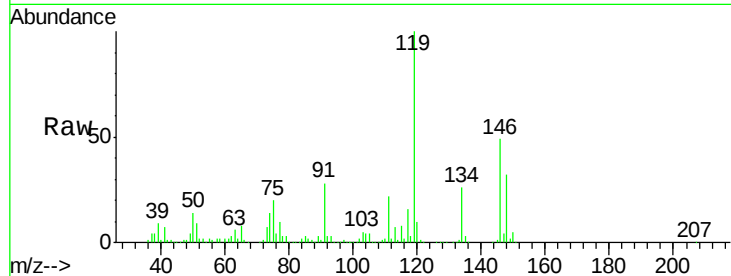
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	359322
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.1	66.1
148	64.3	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.321 ug/l

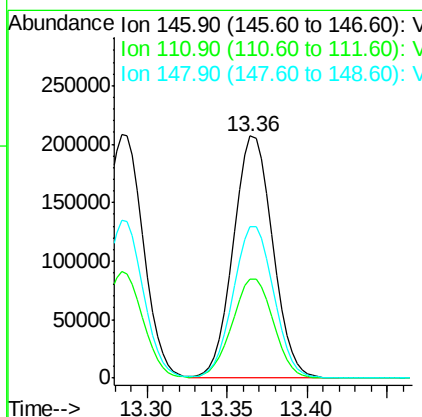
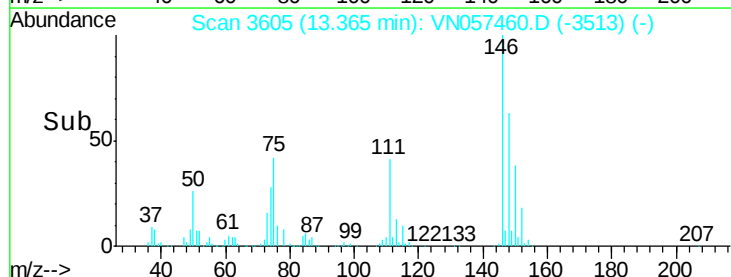
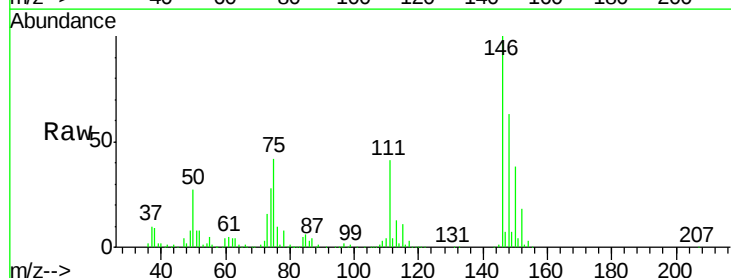
RT: 13.36 min Scan# 3605

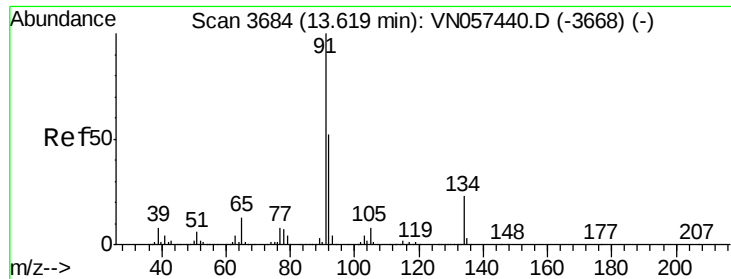
Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion:	146	Resp:	347173
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.9	65.5
148	64.3	31.1	93.2





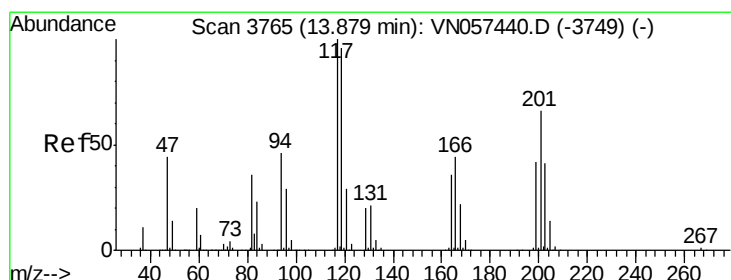
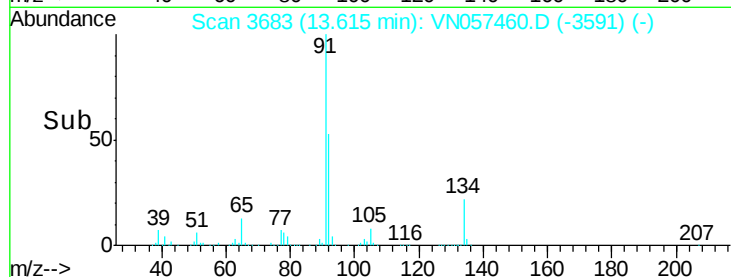
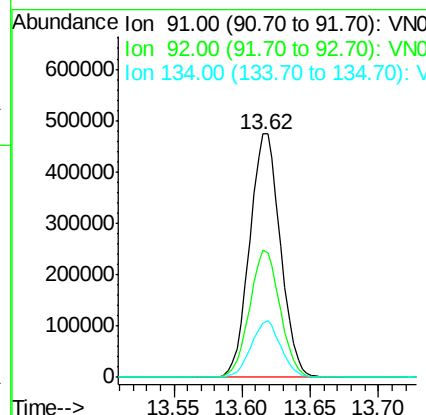
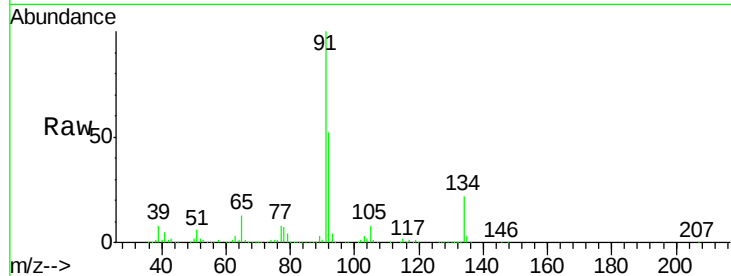
#89
n-Butylbenzene
Concen: 46.237 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.0
134	22.4	11.4	34.1

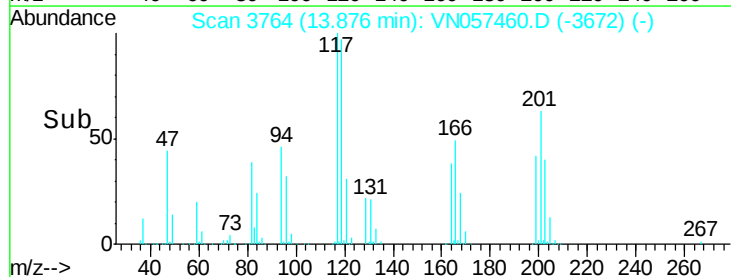
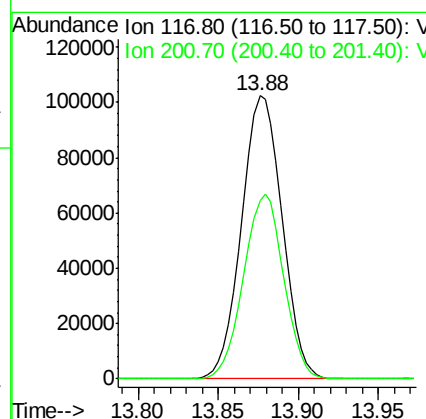
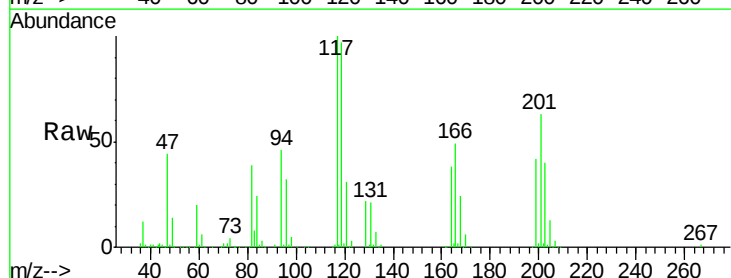
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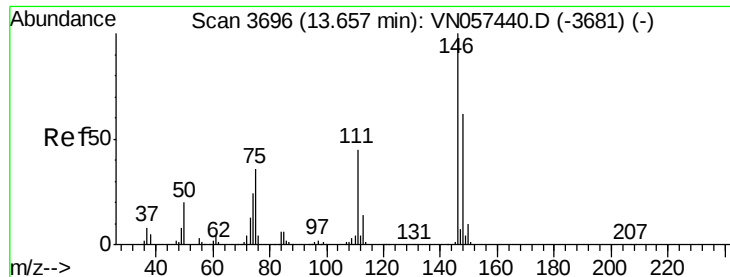
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#90
Hexachloroethane
Concen: 50.020 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.3	33.1	99.3





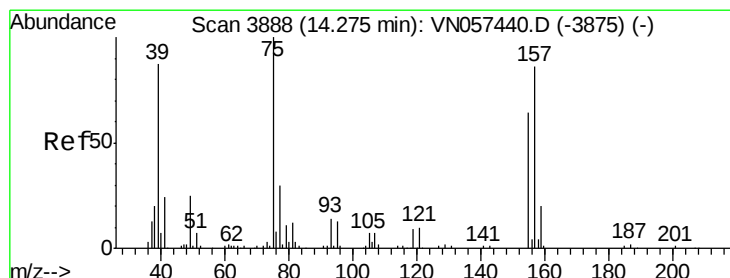
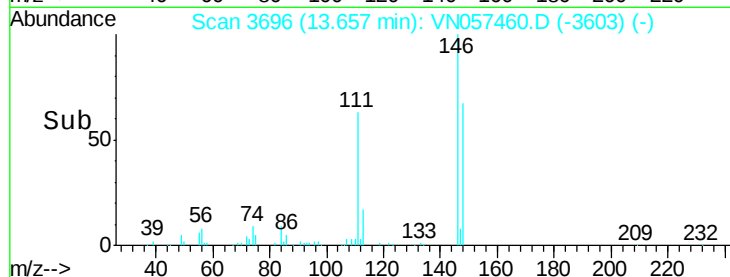
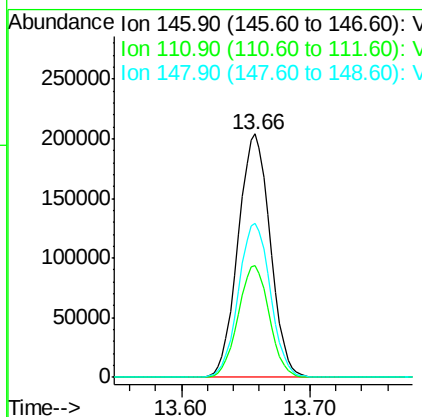
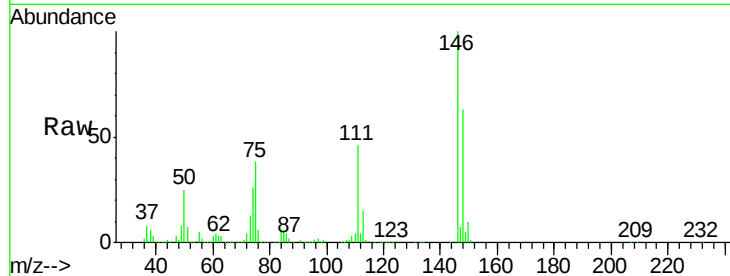
#91
 1,2-Dichlorobenzene
 Concen: 47.480 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.1	69.2
148	63.0	31.8	95.4

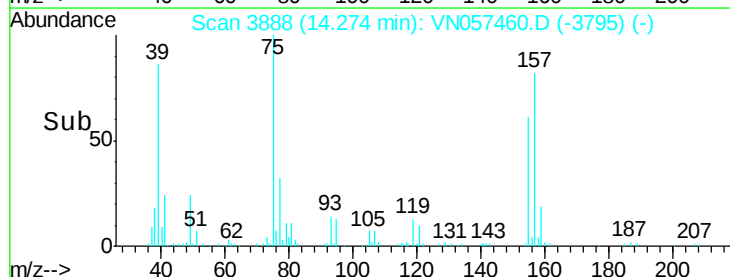
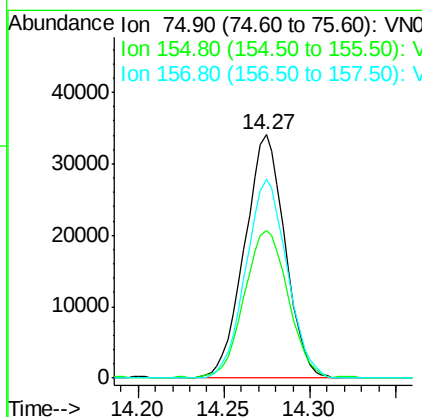
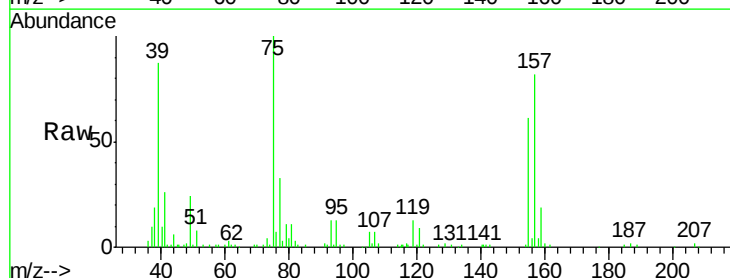
Manual Integrations
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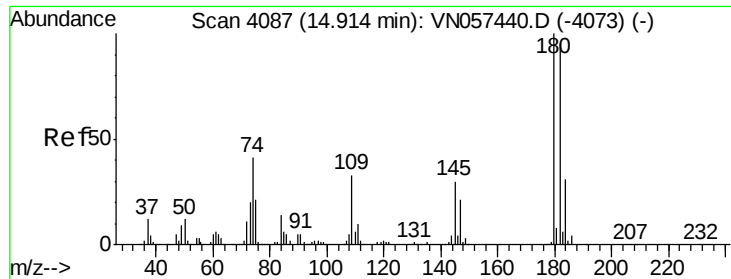
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.989 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.7	31.6	94.7
157	83.4	43.3	129.8





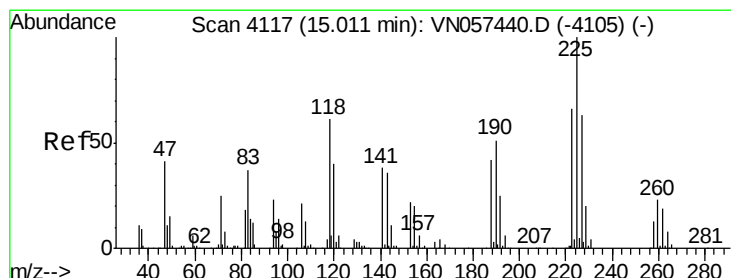
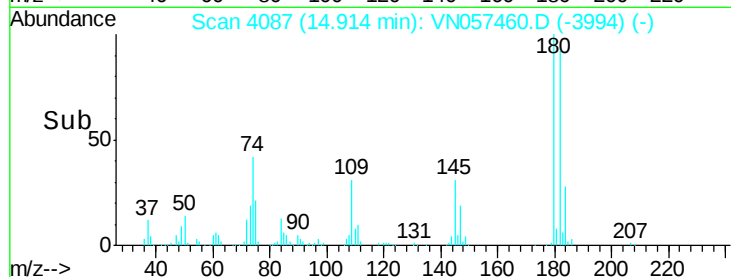
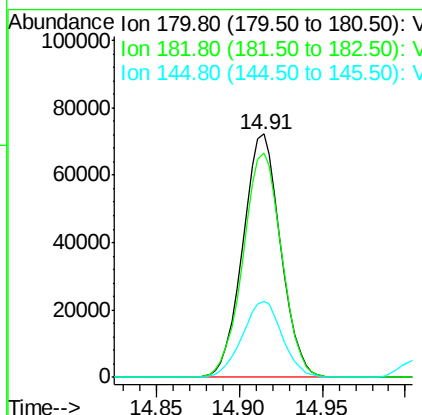
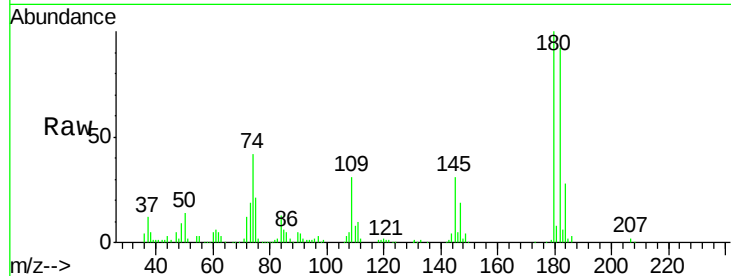
#93
 1,2,4-Trichlorobenzene
 Concen: 39.262 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114717		
182	94.1	46.7	140.1	
145	33.1	15.6	46.8	

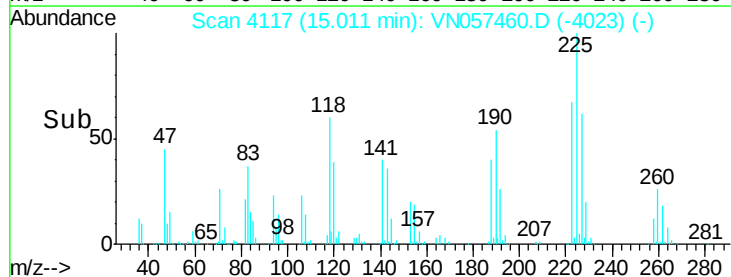
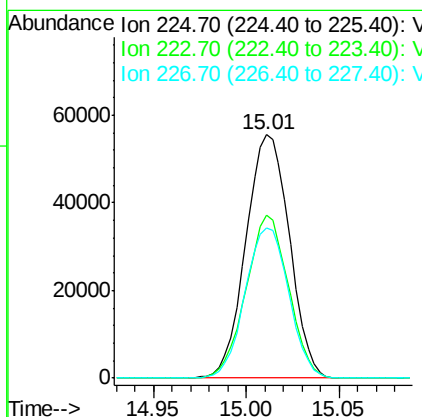
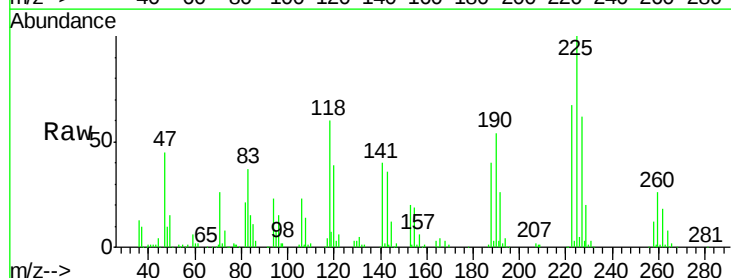
Manual Integrations
 APPROVED

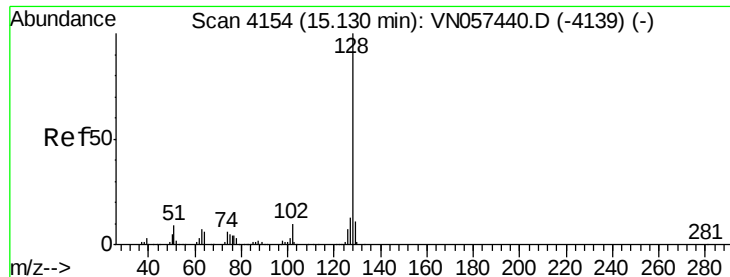
MMDadoda
 8/23/2019 2:39:53 PM



#94
 Hexachlorobutadiene
 Concen: 47.436 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90548		
223	65.1	32.0	96.2	
227	61.7	31.5	94.5	





#95

Naphthalene

Concen: 41.972 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

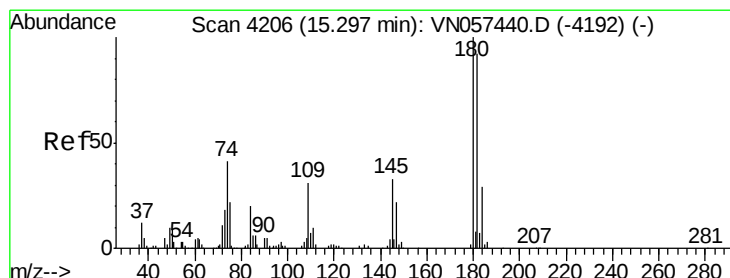
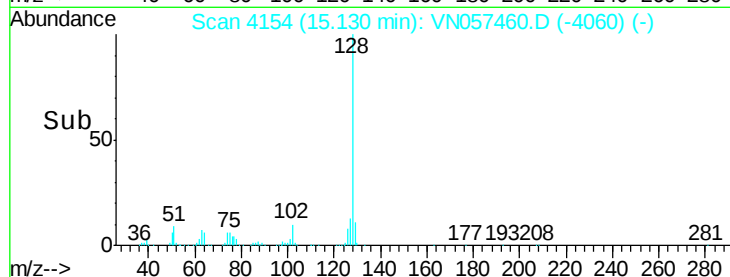
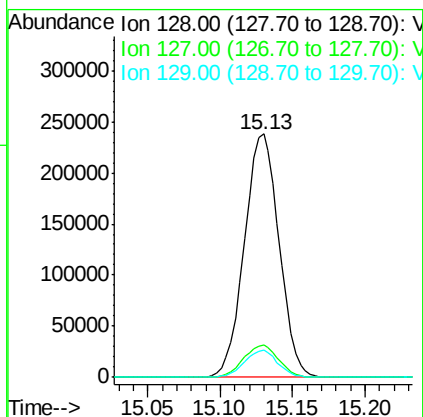
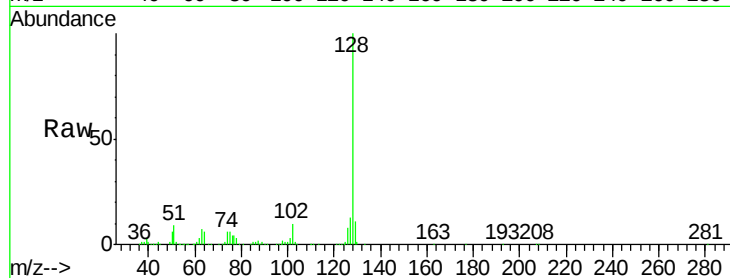
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	397000
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 40.329 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion:	180	Resp:	118420
Ion Ratio	Lower	Upper	
180	100		
182	92.9	46.7	140.1
145	34.5	16.8	50.3

