

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057117.D
 Acq On : 7 Aug 2019 20:58
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:39 PM

Quant Time: Aug 08 05:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1192440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.00	114	1812143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1675416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	754143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	1798998	145.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.52%	
35) Dibromofluoromethane	6.98	113	1663917	145.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.64%	
50) Toluene-d8	9.56	98	6395657	148.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.26%	
62) 4-Bromofluorobenzene	11.92	95	2327826	168.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	1349069	145.222	ug/l	97
3) Chloromethane	2.00	50	1801736	144.928	ug/l	100
4) Vinyl Chloride	2.11	62	1768419	148.870	ug/l	100
5) Bromomethane	2.39	94	1151175	160.888	ug/l	100
6) Chloroethane	2.53	64	1049006	179.442	ug/l	98
7) Trichlorofluoromethane	2.82	101	2509528	153.143	ug/l	100
8) Diethyl Ether	3.13	74	994090	148.721	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.43	101	1491258	143.738	ug/l	98
10) Methyl Iodide	3.62	142	2458211	198.053	ug/l	99
11) Tert butyl alcohol	4.24	59	1302796	971.345	ug/l	100
12) 1,1-Dichloroethene	3.43	96	1557258	149.761	ug/l	98
13) Acrolein	3.30	56	793055	705.657	ug/l	99
14) Allyl chloride	3.91	41	2286945	146.484	ug/l	100
15) Acrylonitrile	4.44	53	3710588	849.721	ug/l	99
16) Acetone	3.47	43	2722760	720.423	ug/l	100
17) Carbon Disulfide	3.72	76	4295295	168.843	ug/l	99
18) Methyl Acetate	3.89	43	1655624	126.605	ug/l	98
19) Methyl tert-butyl Ether	4.49	73	4760387	156.327	ug/l	99
20) Methylene Chloride	4.09	84	1767994	148.033	ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	1652784	150.858	ug/l	99
22) Diisopropyl ether	5.31	45	4791866	146.174	ug/l	96
23) Vinyl Acetate	5.26	43	19585693	800.051	ug/l	99
24) 1,1-Dichloroethane	5.24	63	2913152	144.357	ug/l	99
25) 2-Butanone	6.20	43	4501209	834.928	ug/l	99
26) 2,2-Dichloropropane	6.21	77	2199951	143.013	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	1920138	150.131	ug/l	99
28) Bromochloromethane	6.58	49	1310622	146.771	ug/l	99
29) Tetrahydrofuran	6.60	42	2946165	839.998	ug/l	100
30) Chloroform	6.75	83	2978136	147.239	ug/l	99
31) Cyclohexane	7.06	56	2543020	142.345	ug/l	97
32) 1,1,1-Trichloroethane	6.97	97	2645480	156.879	ug/l	99
36) 1,1-Dichloropropene	7.20	75	2307511	146.594	ug/l	100
37) Ethyl Acetate	6.28	43	1839762	153.324	ug/l #	99
38) Carbon Tetrachloride	7.18	117	2355930	155.350	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	2741304	150.468	ug/l	97
40) Benzene	7.46	78	6987285	143.824	ug/l	99
41) Methacrylonitrile	6.54	41	1038370	205.667	ug/l	96
42) 1,2-Dichloroethane	7.54	62	2187910	143.861	ug/l	100
43) Isopropyl Acetate	7.56	43	3233730	147.763	ug/l	99
44) Trichloroethene	8.27	130	1976392	148.898	ug/l	99
45) 1,2-Dichloropropane	8.56	63	1832559	145.861	ug/l	99
46) Dibromomethane	8.65	93	1174968	150.187	ug/l	99
47) Bromodichloromethane	8.85	83	2390037	159.252	ug/l	98
48) Methyl methacrylate	8.63	41	1520913	157.929	ug/l	99
49) 1,4-Dioxane	8.64	88	623799	3187.959	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	9639347	881.884	ug/l	99
52) Toluene	9.63	92	4452531	150.955	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	2645786	168.059	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	2942017	159.377	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	1716734	152.510	ug/l	98
56) Ethyl methacrylate	9.90	69	2714260	175.996	ug/l	99
57) 1,3-Dichloropropane	10.19	76	2863143	153.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	5068123	910.865	ug/l	99
59) 2-Hexanone	10.24	43	6843570	872.695	ug/l	100
60) Dibromochloromethane	10.39	129	2017602	172.261	ug/l	100
61) 1,2-Dibromoethane	10.50	107	1843031	160.305	ug/l	100
64) Tetrachloroethene	10.11	164	1882076	133.529	ug/l	96
65) Chlorobenzene	10.93	112	5015056	148.267	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	1892900	151.883	ug/l	100
67) Ethyl Benzene	11.01	91	8804956	151.229	ug/l	100
68) m/p-Xylenes	11.12	106	6697084	305.370	ug/l	99
69) o-Xylene	11.46	106	3259668	151.296	ug/l	100
70) Styrene	11.47	104	5682867	165.404	ug/l	99
71) Bromoform	11.64	173	1553485	176.467	ug/l #	99
73) Isopropylbenzene	11.76	105	8827260	144.085	ug/l	99
74) N-amyl acetate	11.58	43	2727092	151.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	2293992	133.117	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	2102884m	147.702	ug/l	
77) Bromobenzene	12.04	156	2360524	144.684	ug/l	99
78) n-propylbenzene	12.11	91	9960095	158.524	ug/l	100
79) 2-Chlorotoluene	12.20	91	5882657	146.340	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	7558272	147.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	768790	170.348	ug/l	95
82) 4-Chlorotoluene	12.29	91	5842762	154.993	ug/l	99
83) tert-Butylbenzene	12.52	119	6666460	147.409	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	7306392	149.346	ug/l	99
85) sec-Butylbenzene	12.70	105	8641266	154.790	ug/l	99
86) p-Isopropyltoluene	12.82	119	7858196	159.264	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	3742822	148.552	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	3628768	149.761	ug/l	100
89) n-Butylbenzene	13.15	91	6097418	161.689	ug/l	99
90) Hexachloroethane	13.41	117	1355983	158.605	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	3512351	140.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	392397	160.343	ug/l	97

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VSTDICC150

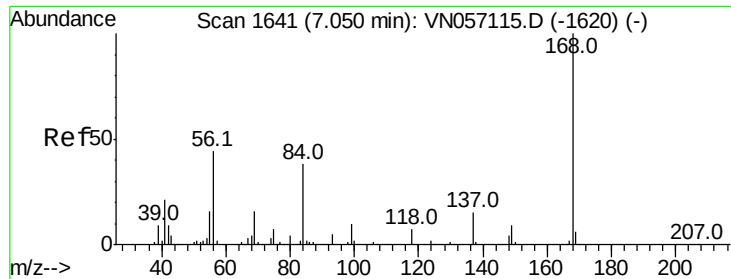
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	1862513	165.615	ug/l	100
94) Hexachlorobutadiene	14.55	225	1262512	126.213	ug/l	99
95) Naphthalene	14.66	128	4563415	199.370	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	1912448	166.043	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 1192440

Ion Ratio Lower Upper

168 100

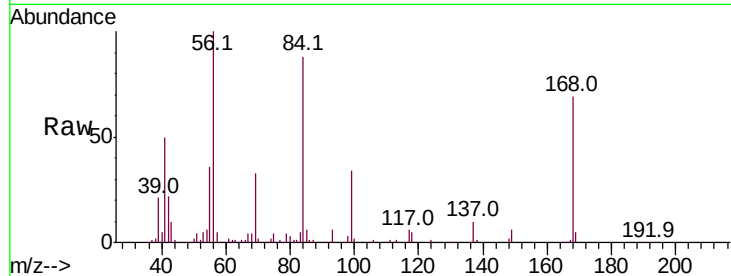
99 48.2 38.6 57.8

Manual Integrations

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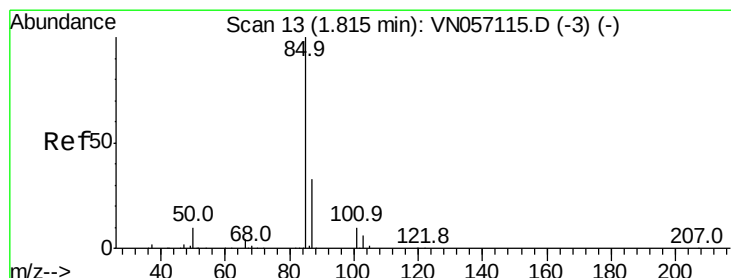
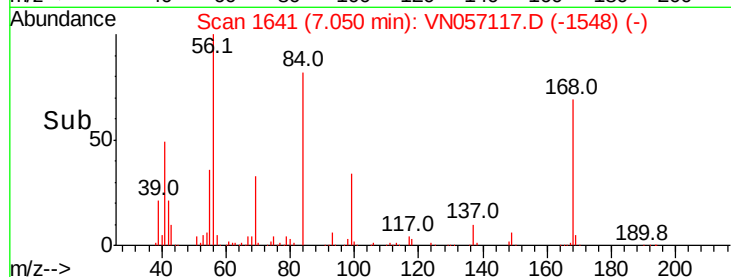
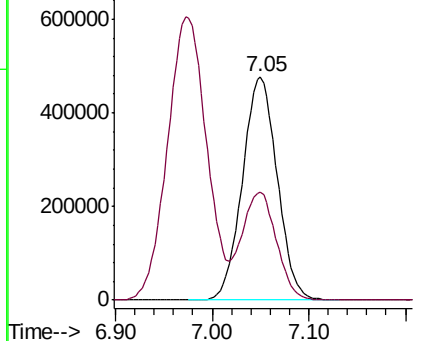
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 145.222 ug/l

RT: 1.82 min Scan# 13

Delta R.T. -0.00 min

Lab File: VN057117.D

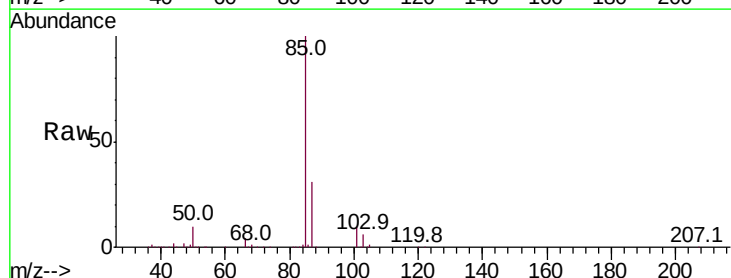
Acq: 7 Aug 2019 20:58

Tgt Ion: 85 Resp: 1349069

Ion Ratio Lower Upper

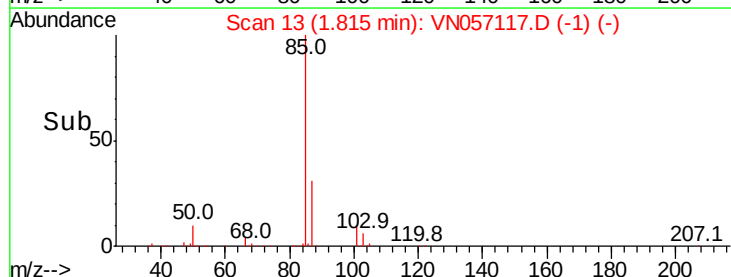
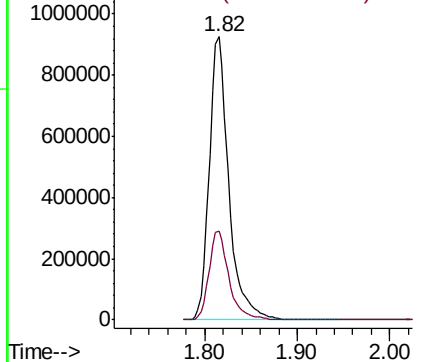
85 100

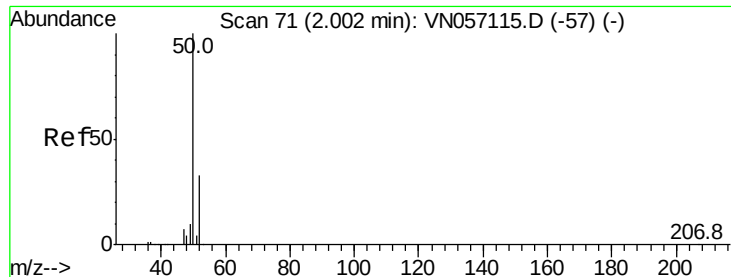
87 31.4 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 144.928 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1801736

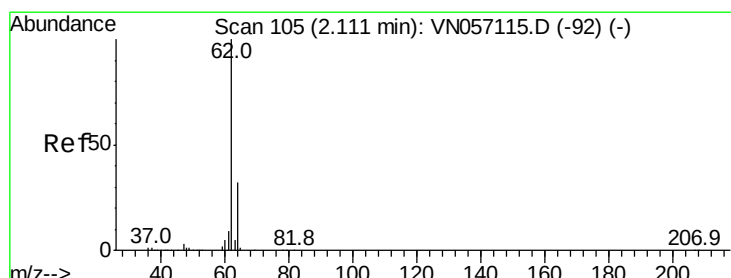
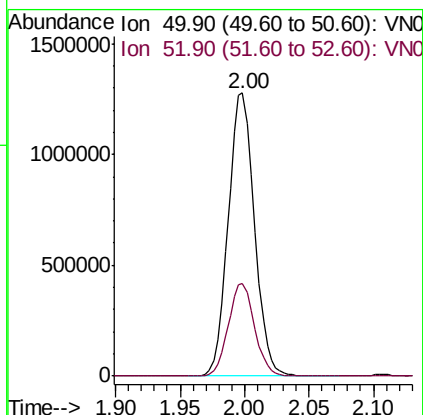
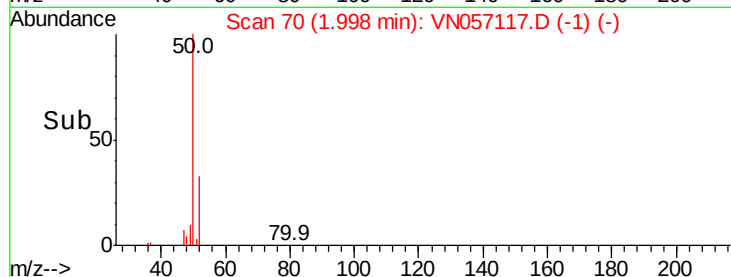
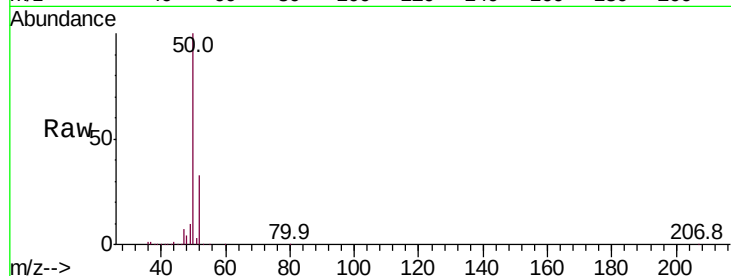
Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1

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#4

Vinyl Chloride

Concen: 148.870 ug/l

RT: 2.11 min Scan# 104

Delta R.T. -0.00 min

Lab File: VN057117.D

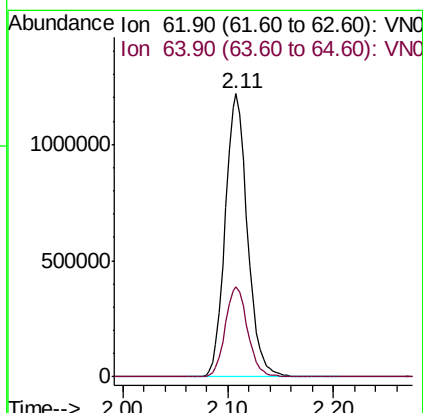
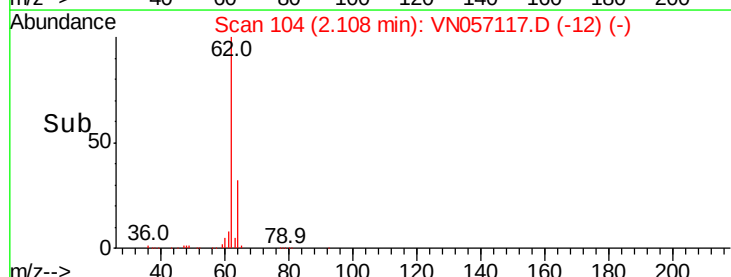
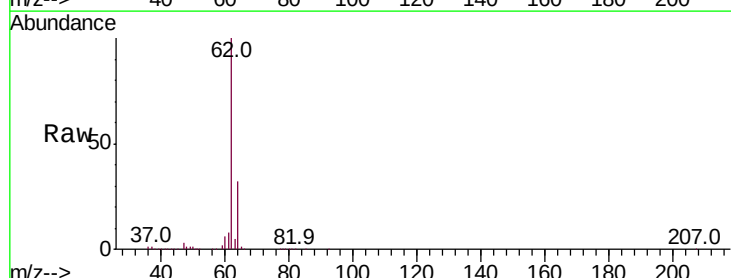
Acq: 7 Aug 2019 20:58

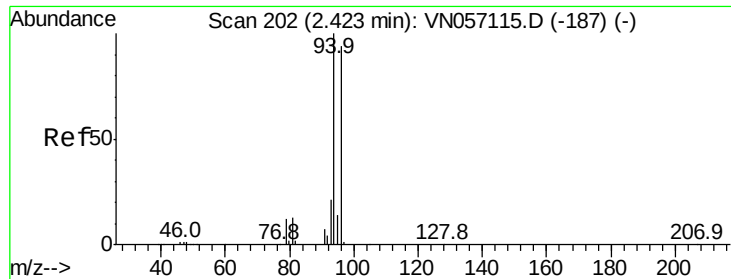
Tgt Ion: 62 Resp: 1768419

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 160.888 ug/l

RT: 2.39 min Scan# 191

Delta R.T. -0.04 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1151175

Ion	Ratio	Lower	Upper
94	100		
96	93.8	75.0	112.4

94 100

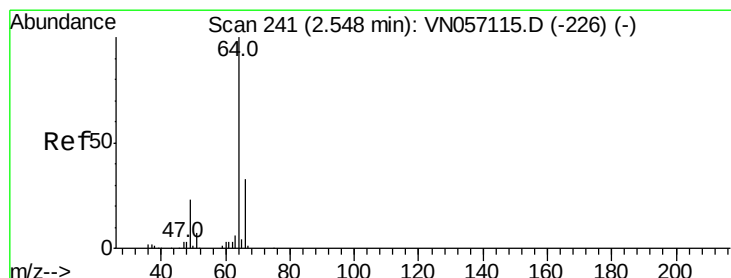
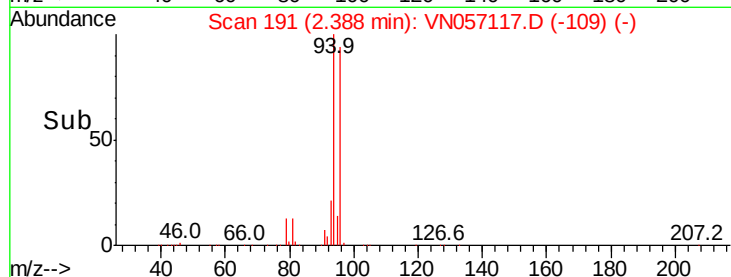
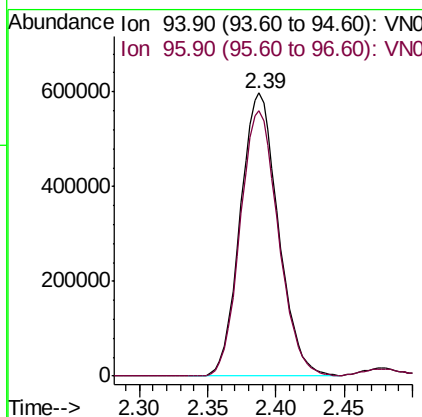
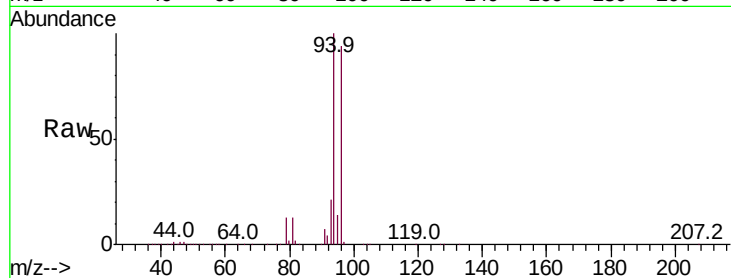
96 93.8 75.0 112.4

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#6

Chloroethane

Concen: 179.442 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN057117.D

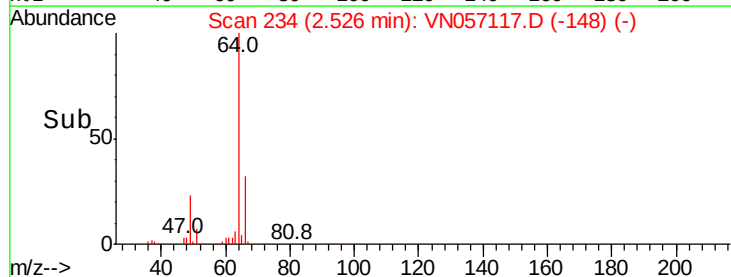
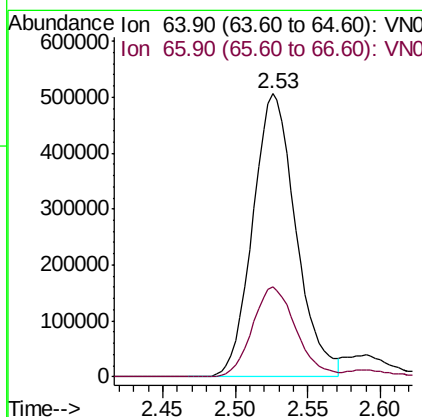
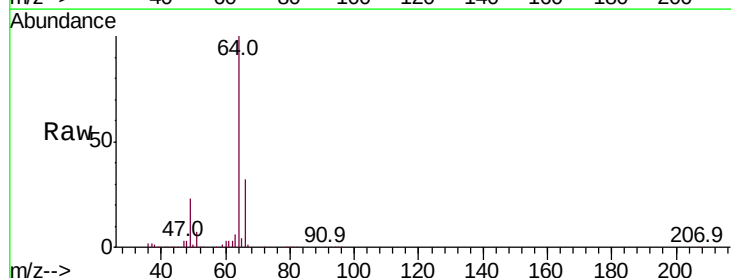
Acq: 7 Aug 2019 20:58

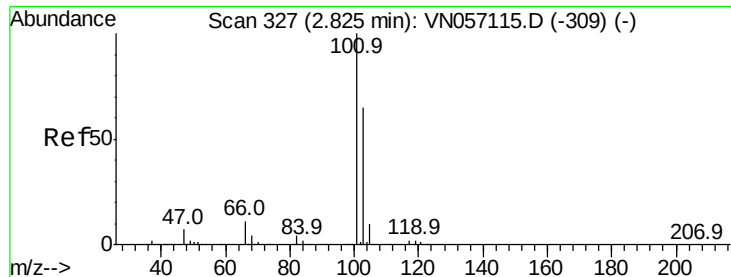
Tgt Ion: 64 Resp: 1049006

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.2	39.4

64 100

66 31.9 26.2 39.4





#7

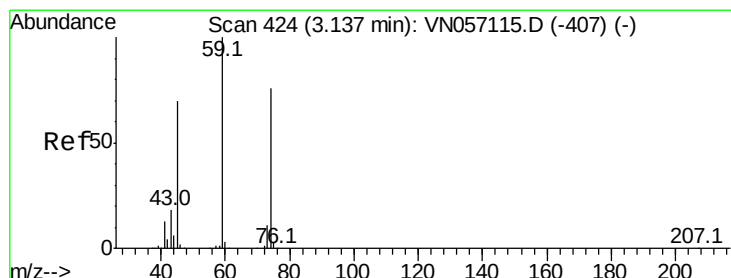
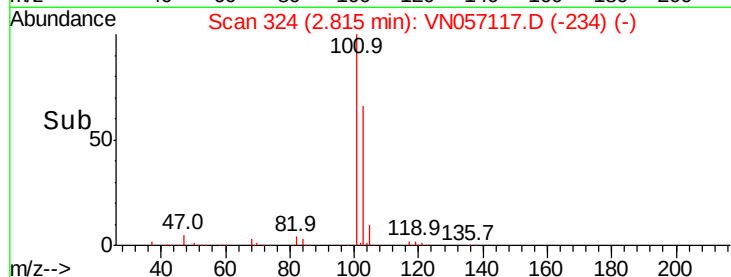
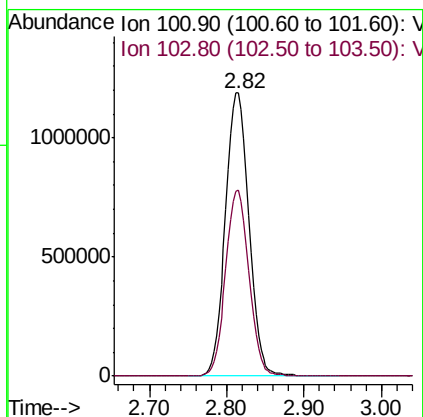
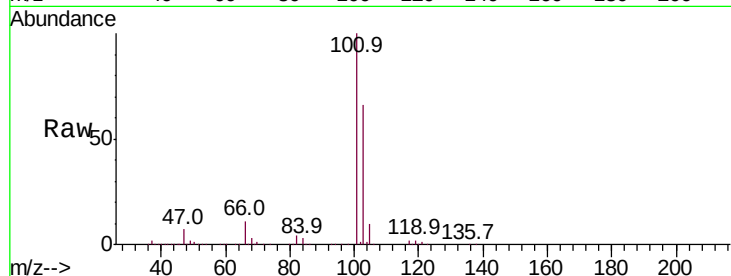
Trichlorofluoromethane
Concen: 153.143 ug/l
RT: 2.82 min Scan# 324
Delta R.T. -0.01 min
Lab File: VN057117.D
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Tot Ion:101 Resp: 2509528
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.4

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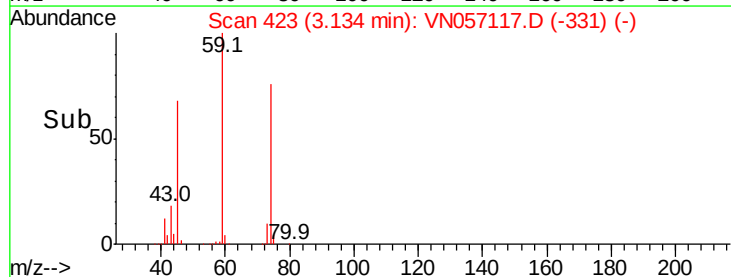
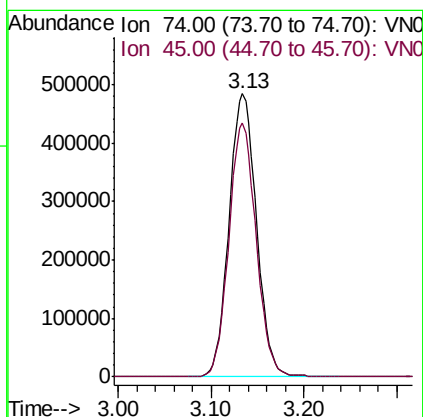
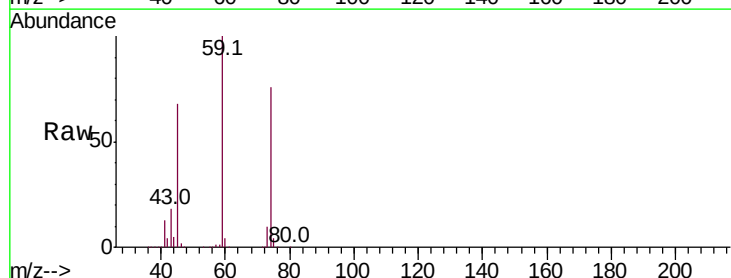
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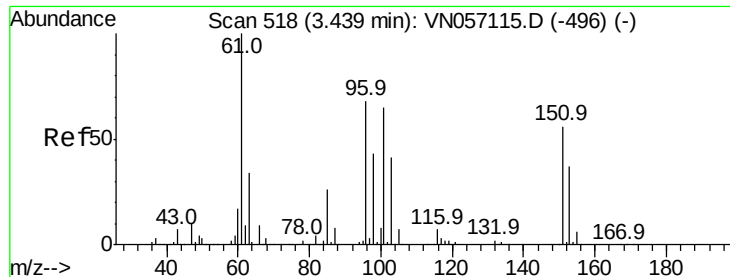


#8

Diethyl Ether
Concen: 148.721 ug/l
RT: 3.13 min Scan# 423
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 74 Resp: 994090
Ion Ratio Lower Upper
74 100
45 89.1 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.738 ug/l

RT: 3.43 min Scan# 515

Delta R.T. -0.01 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1491258

Ion Ratio Lower Upper

101 100

85 41.5 32.3 48.5

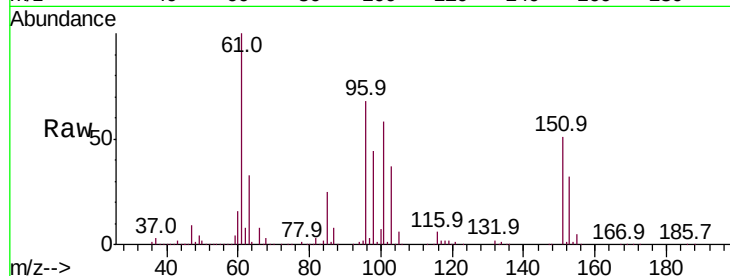
151 88.4 69.4 104.0

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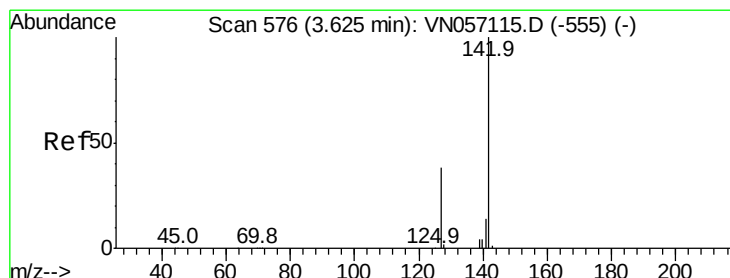
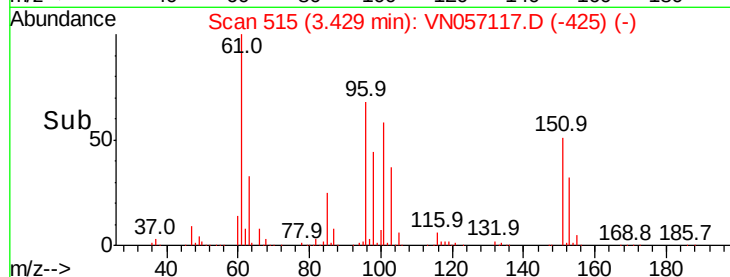
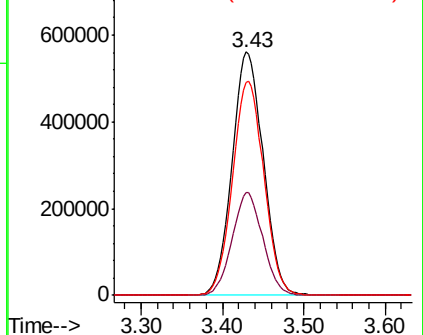
8/8/2019 2:40:39 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 198.053 ug/l

RT: 3.62 min Scan# 574

Delta R.T. -0.01 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

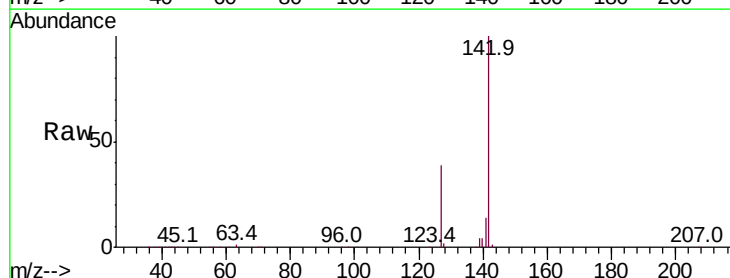
Tgt Ion:142 Resp: 2458211

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.6

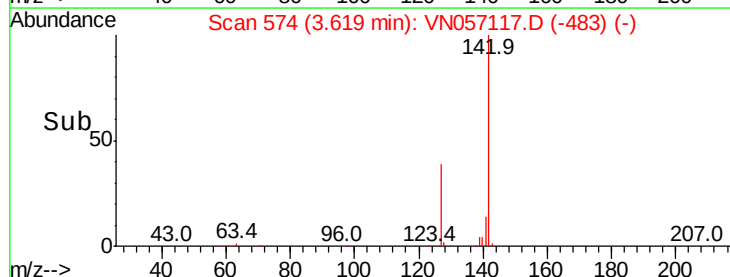
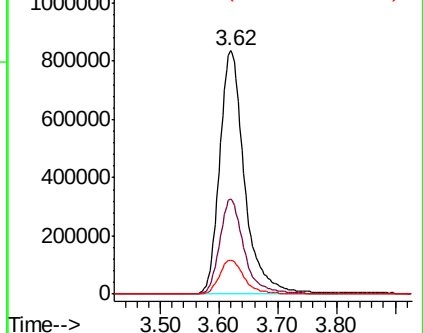
141 14.0 11.2 16.8

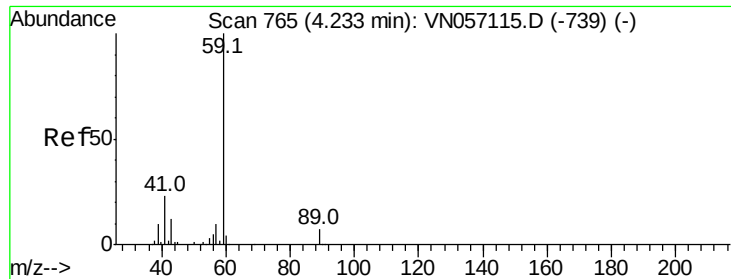


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

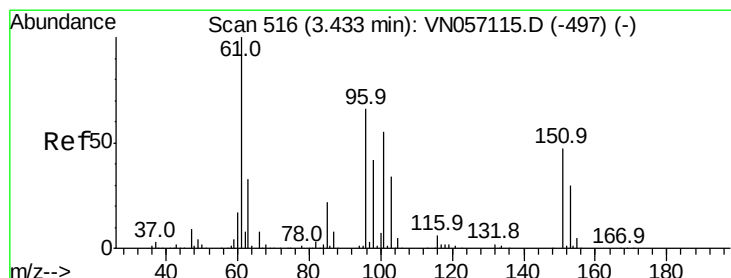
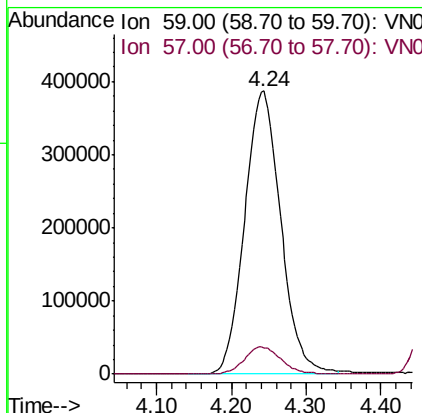
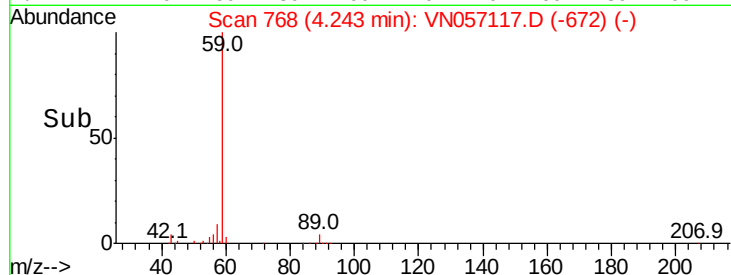
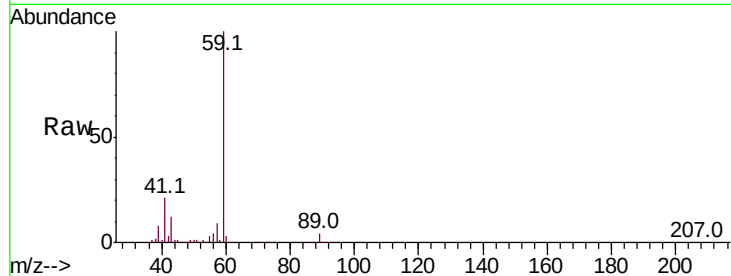
Tert butyl alcohol
Concen: 971.345 ug/l
RT: 4.24 min Scan# 768
Delta R.T. 0.01 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 1302796
Ion Ratio Lower Upper
59 100
57 9.8 7.9 11.9

Manual Integrations
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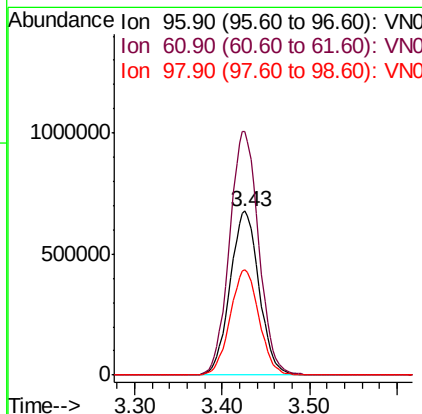
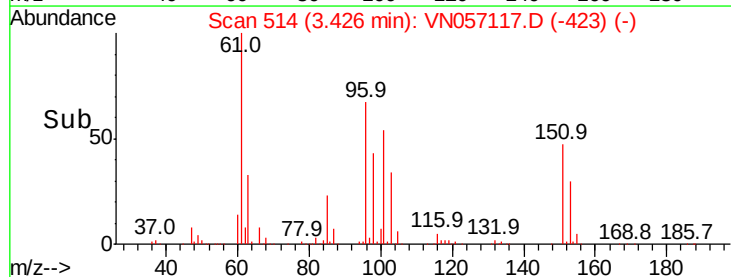
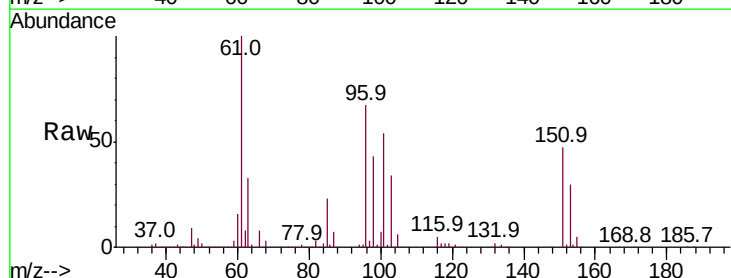
MMDadoda
8/8/2019 2:40:39 PM

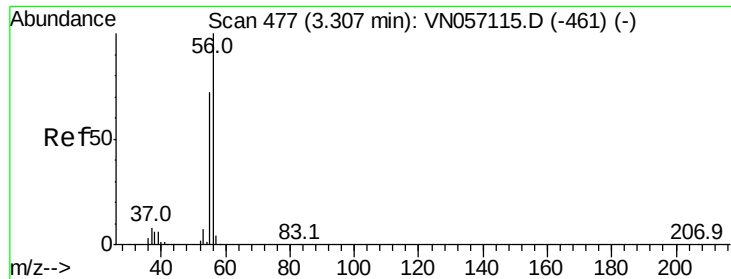


#12

1,1-Dichloroethene
Concen: 149.761 ug/l
RT: 3.43 min Scan# 514
Delta R.T. -0.01 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 96 Resp: 1557258
Ion Ratio Lower Upper
96 100
61 148.5 121.0 181.6
98 64.4 50.8 76.2





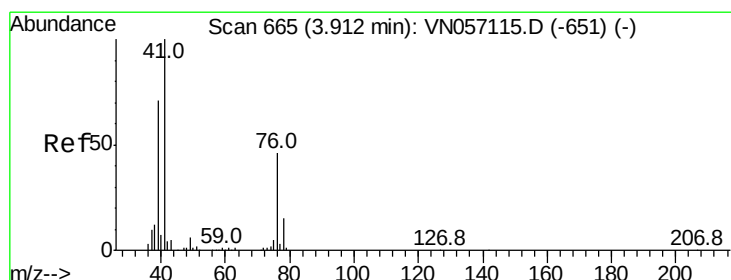
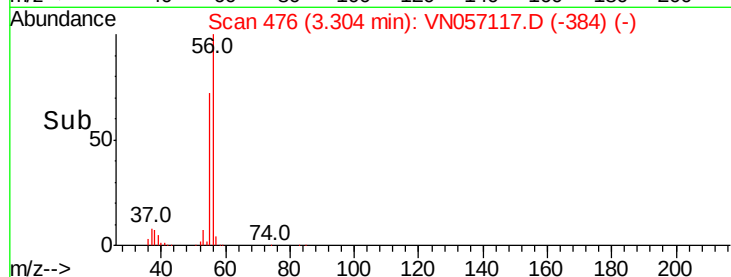
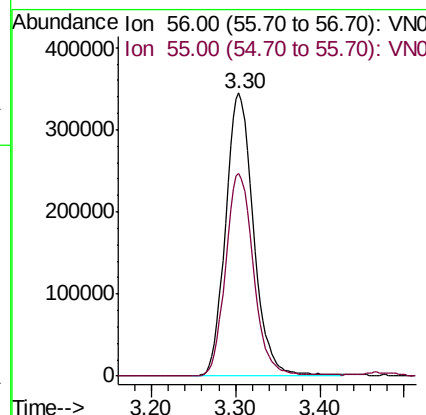
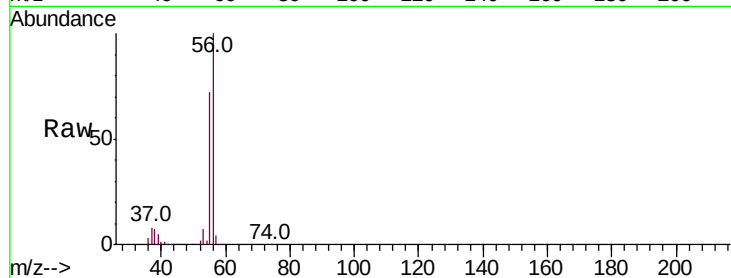
#13
Acrolein
Concen: 705.657 ug/l
RT: 3.30 min Scan# 476
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	793055
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.7	86.5

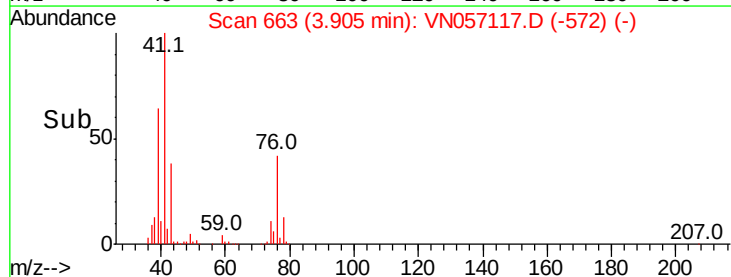
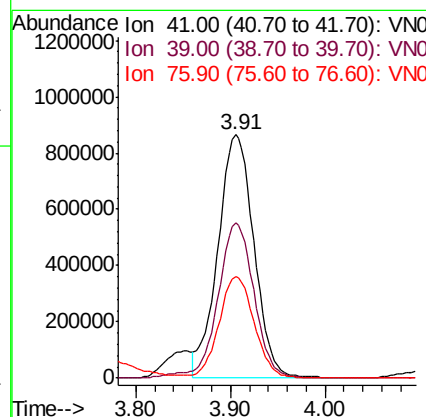
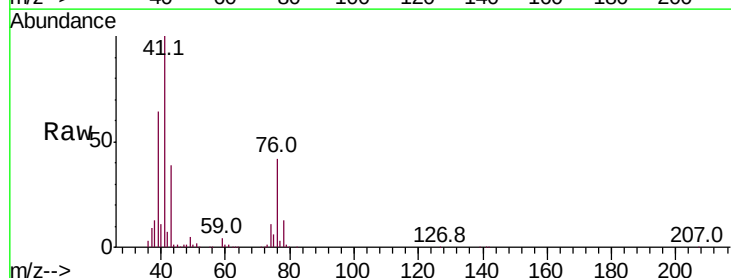
Manual Integrations
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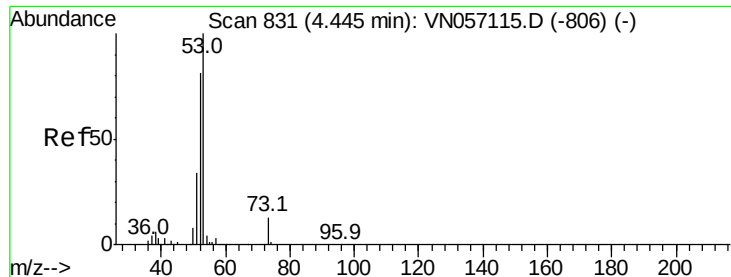
MMDadoda
8/8/2019 2:40:39 PM



#14
Allyl chloride
Concen: 146.484 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.01 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion	41	Resp	2286945
Ion	Ratio	Lower	Upper
41	100		
39	64.2	51.1	76.7
76	40.9	32.8	49.2





#15

Acrylonitrile

Concen: 849.721 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 3710588

Ion Ratio Lower Upper

53 100

52 82.5 64.9 97.3

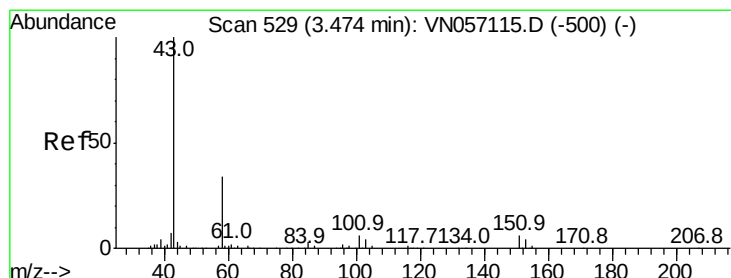
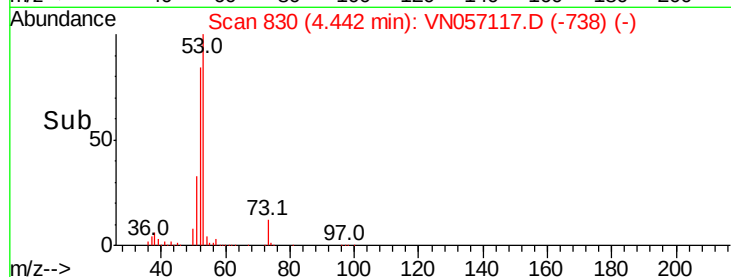
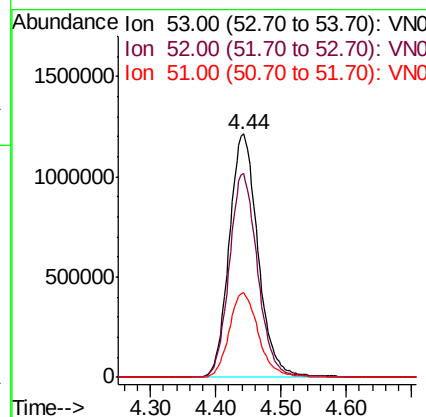
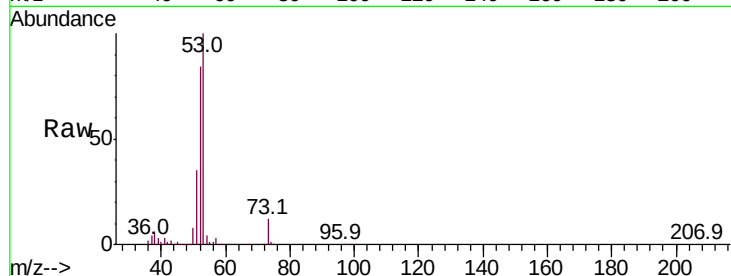
51 35.4 27.8 41.6

Manual Integrations

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#16

Acetone

Concen: 720.423 ug/l

RT: 3.47 min Scan# 528

Delta R.T. -0.00 min

Lab File: VN057117.D

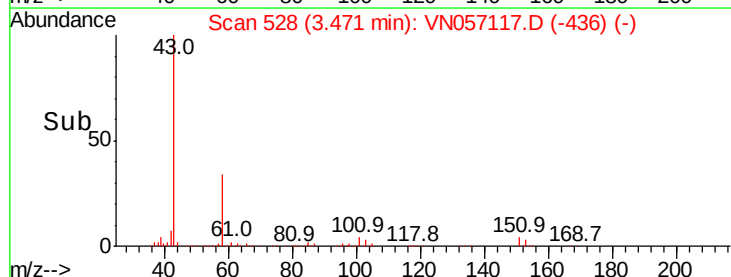
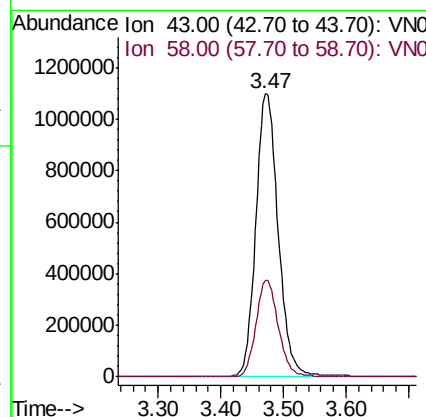
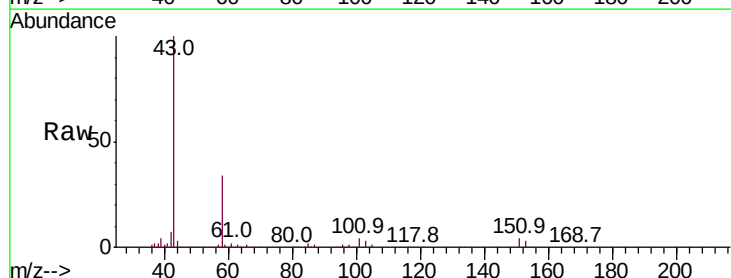
Acq: 7 Aug 2019 20:58

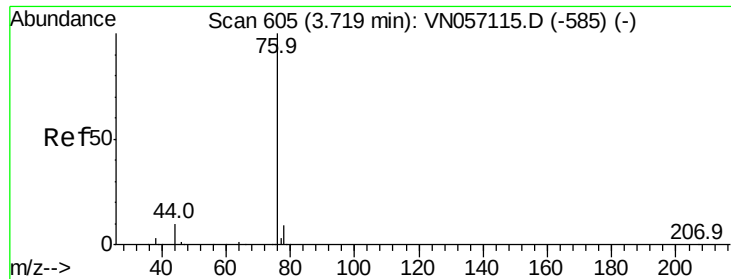
Tgt Ion: 43 Resp: 2722760

Ion Ratio Lower Upper

43 100

58 34.3 27.4 41.2





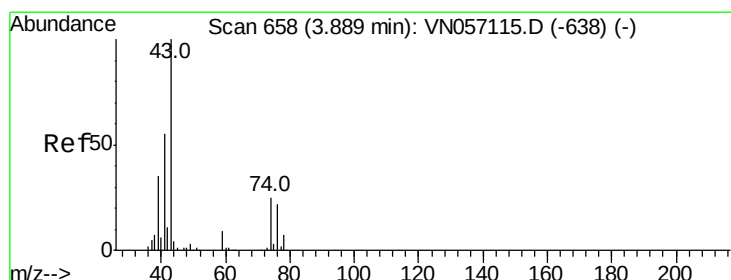
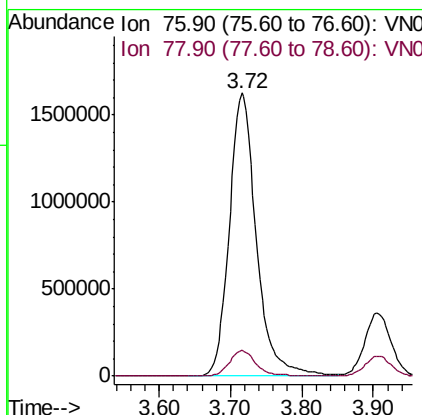
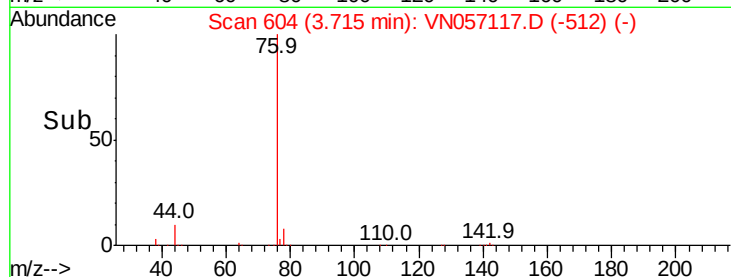
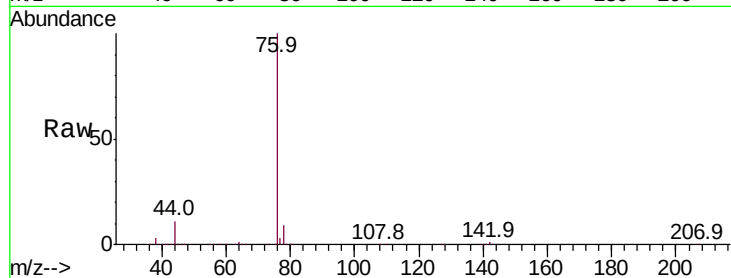
#17
Carbon Disulfide
Concen: 168.843 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 4295295
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

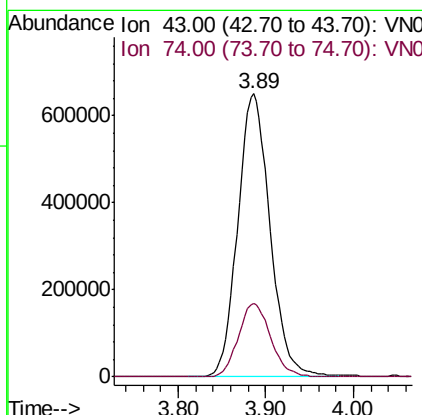
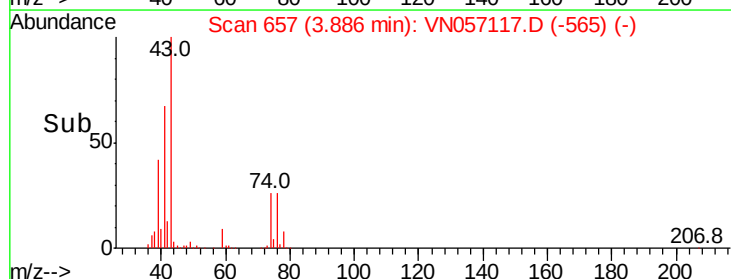
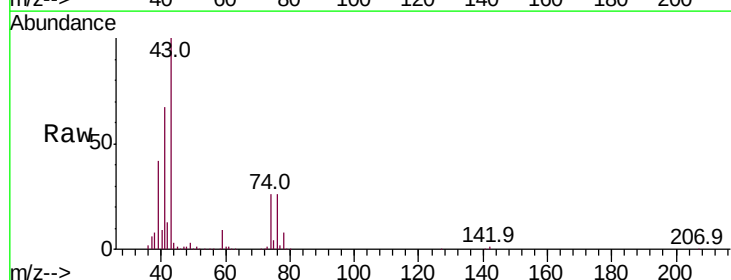
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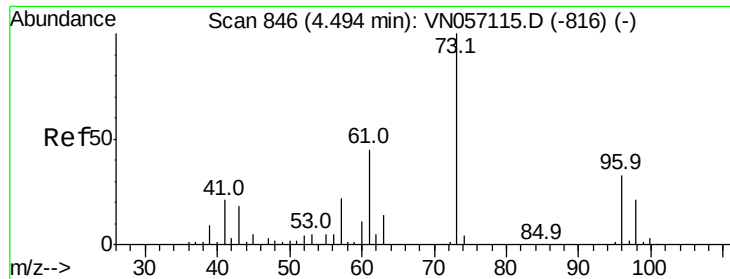
MMDadoda
8/8/2019 2:40:39 PM



#18
Methyl Acetate
Concen: 126.605 ug/l
RT: 3.89 min Scan# 657
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 43 Resp: 1655624
Ion Ratio Lower Upper
43 100
74 26.3 20.2 30.4





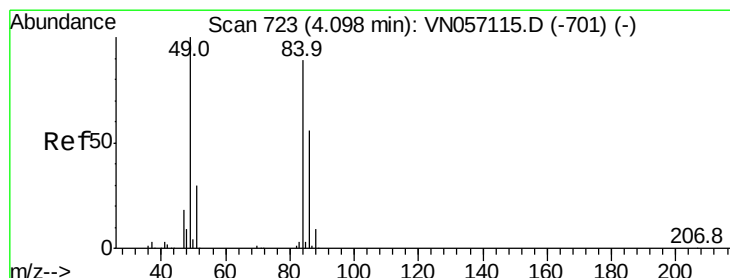
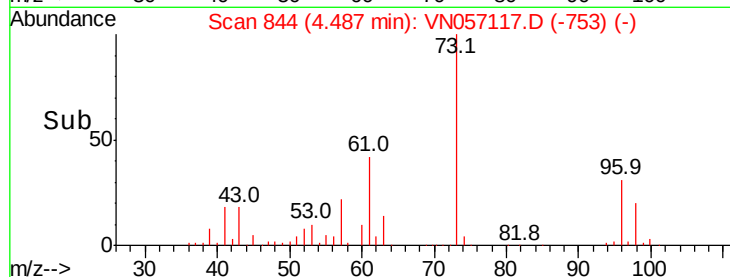
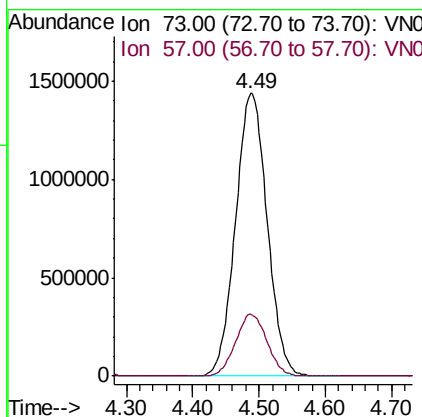
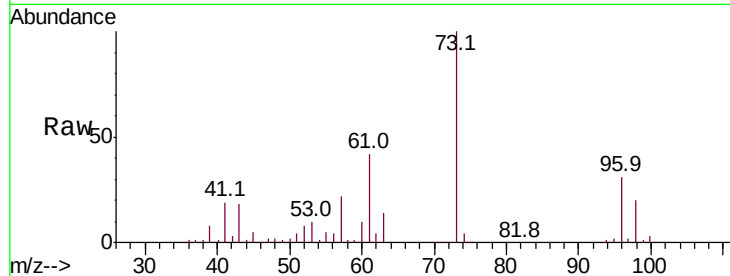
#19
Methyl tert-butyl Ether
Concen: 156.327 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.01 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 4760387
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

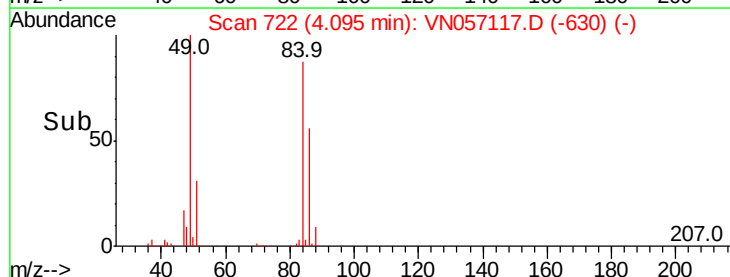
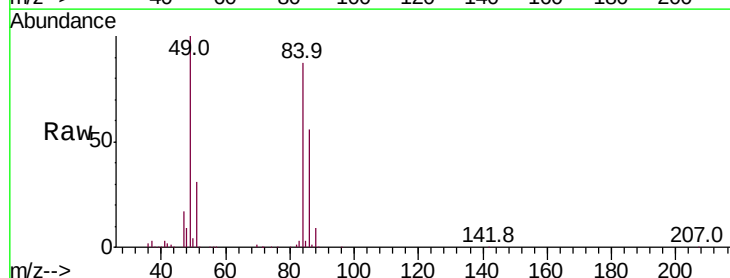
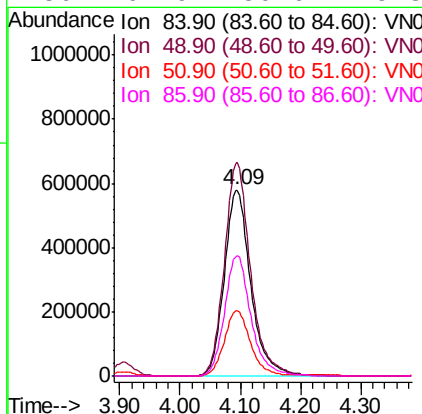
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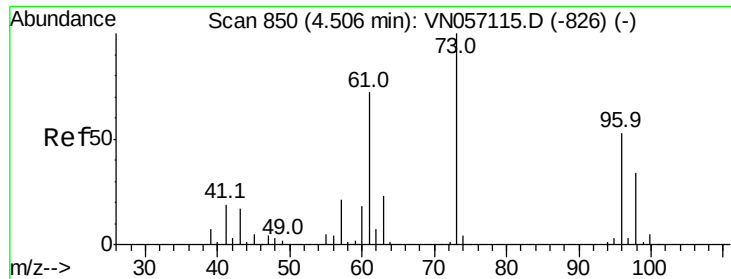
MMDadoda
8/8/2019 2:40:39 PM



#20
Methylene Chloride
Concen: 148.033 ug/l
RT: 4.09 min Scan# 722
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 84 Resp: 1767994
Ion Ratio Lower Upper
84 100
49 114.8 89.5 134.3
51 35.1 27.2 40.8
86 64.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 150.858 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 1652784

Ion Ratio Lower Upper

96 100

61 136.7 108.1 162.1

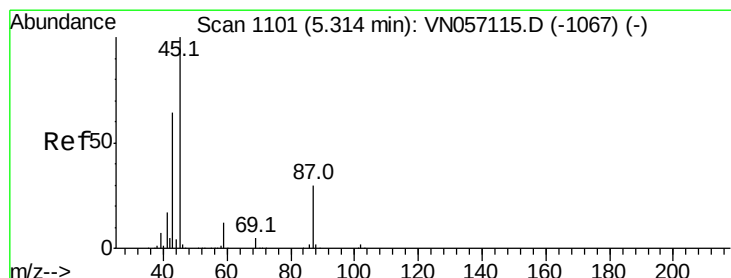
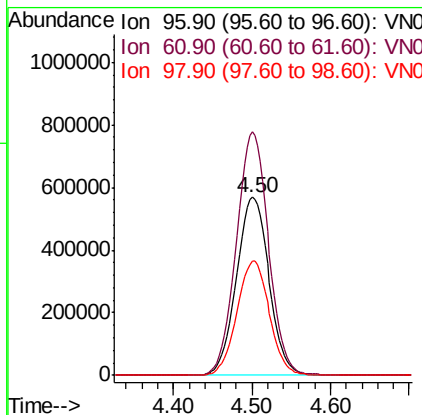
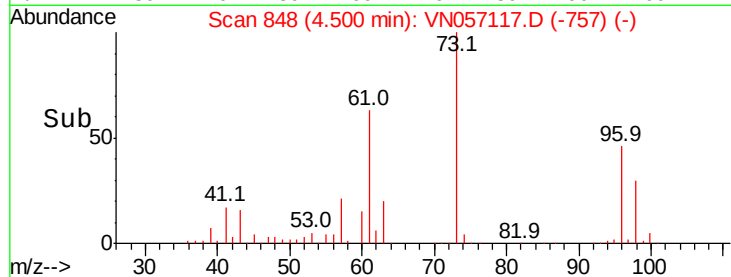
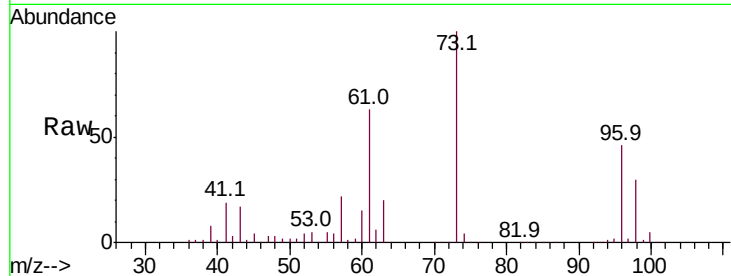
98 64.4 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

8/8/2019 2:40:39 PM



#22

Diisopropyl ether

Concen: 146.174 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tgt Ion: 45 Resp: 4791866

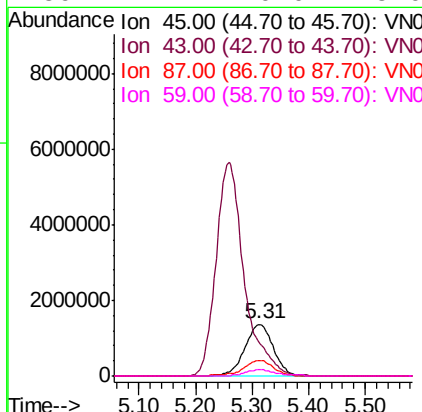
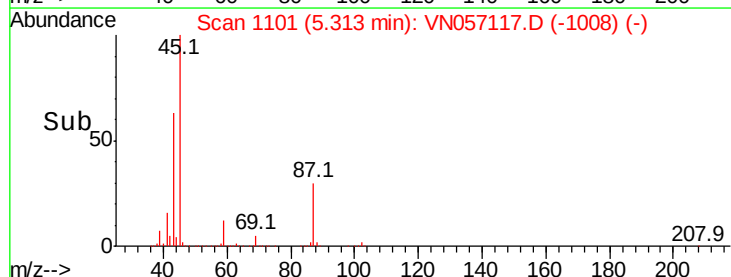
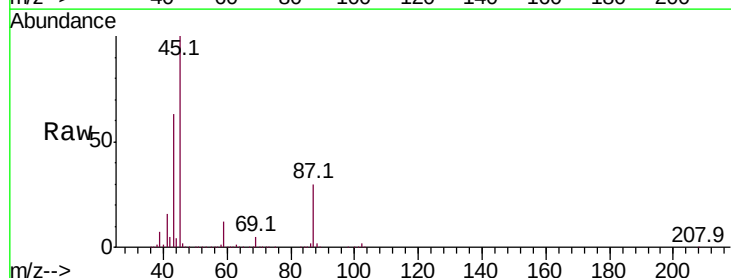
Ion Ratio Lower Upper

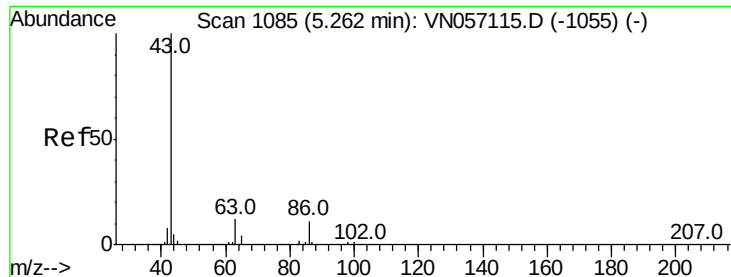
45 100

43 62.7 54.1 81.1

87 30.4 24.0 36.0

59 12.2 10.0 15.0





#23

Vinyl Acetate

Concen: 800.051 ug/l

RT: 5.26 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tot Ion: 43 Resp: 19585693

Ion Ratio Lower Upper

43 100

86 11.1 9.2 13.8

Instrument :

MSVOA_N

ClientSampleId :

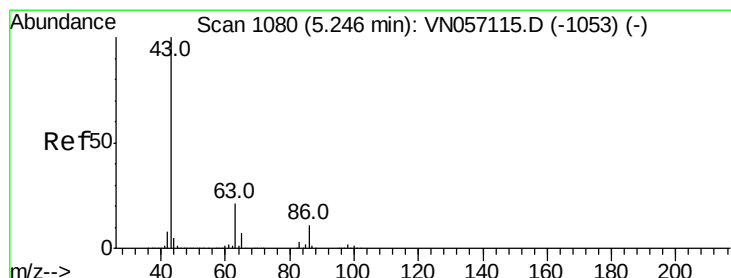
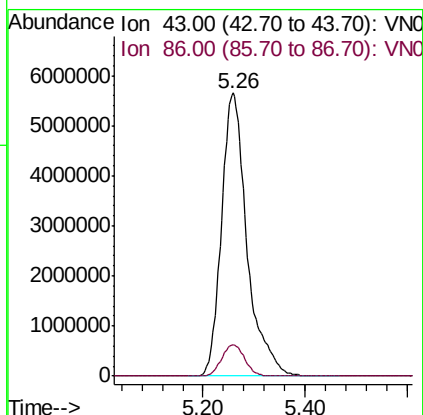
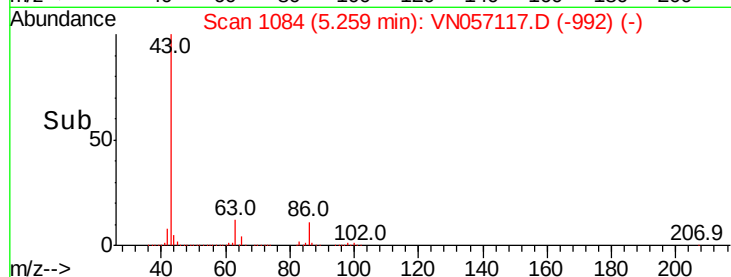
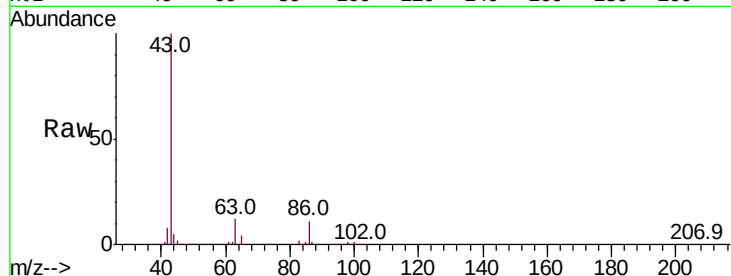
VSTDIC150

Manual Integrations

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MMDadoda

8/8/2019 2:40:39 PM



#24

1,1-Dichloroethane

Concen: 144.357 ug/l

RT: 5.24 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

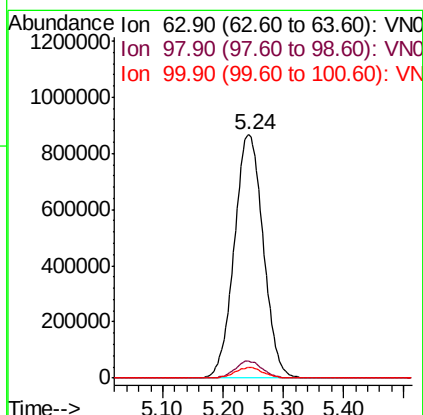
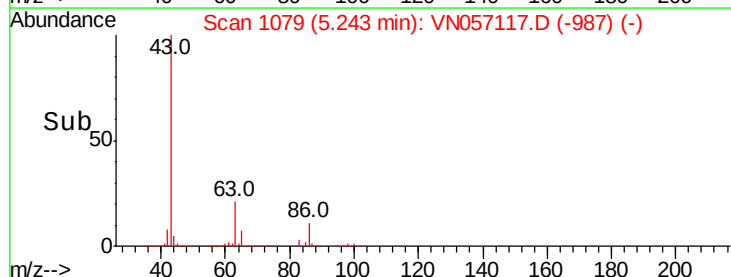
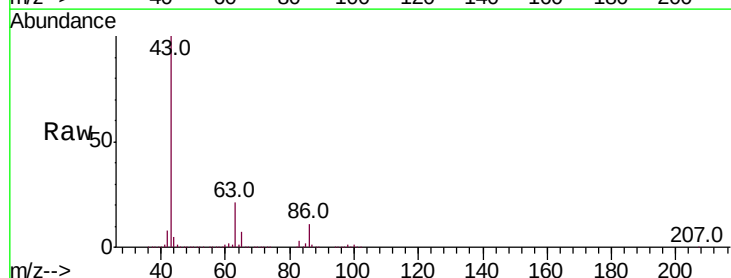
Tgt Ion: 63 Resp: 2913152

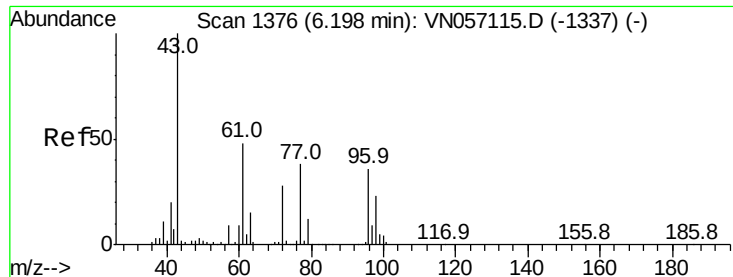
Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

100 4.3 2.1 6.3





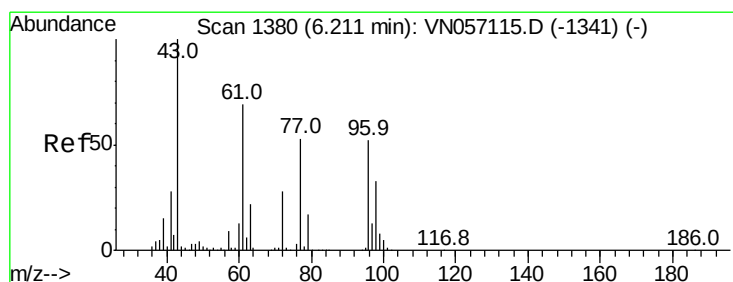
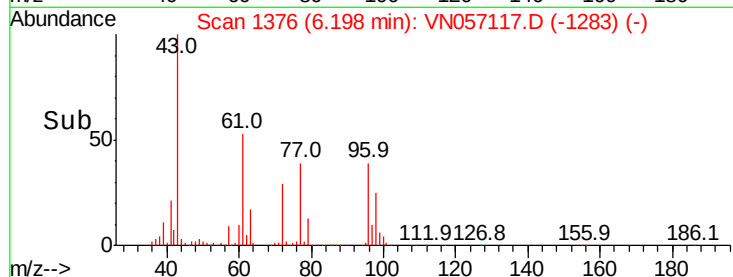
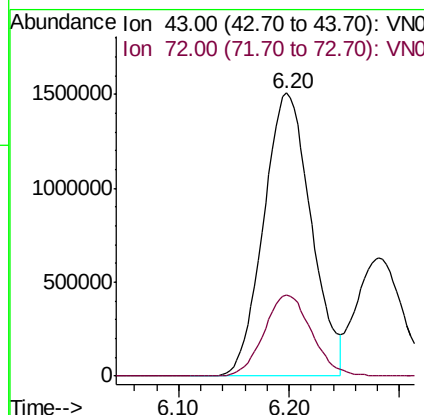
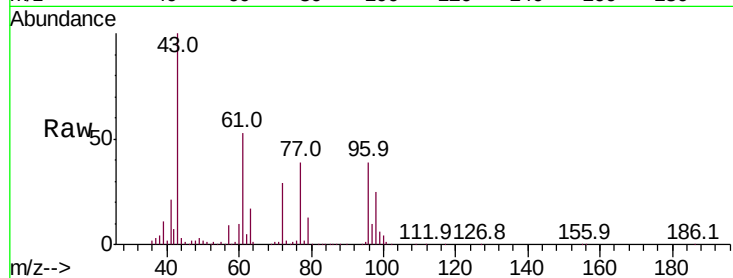
#25
2-Butanone
Concen: 834.928 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4501209
Ion Ratio Lower Upper
43 100
72 28.6 22.2 33.4

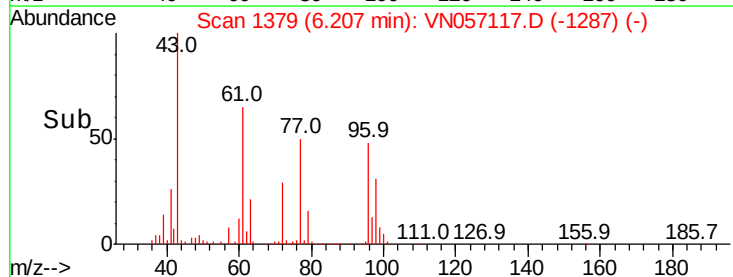
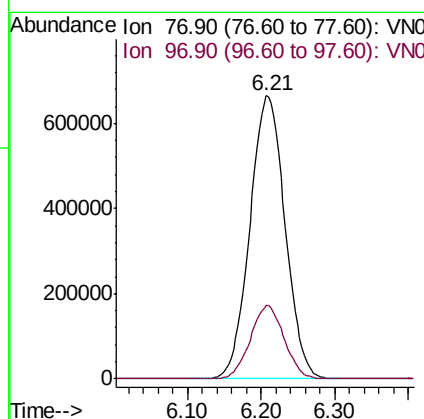
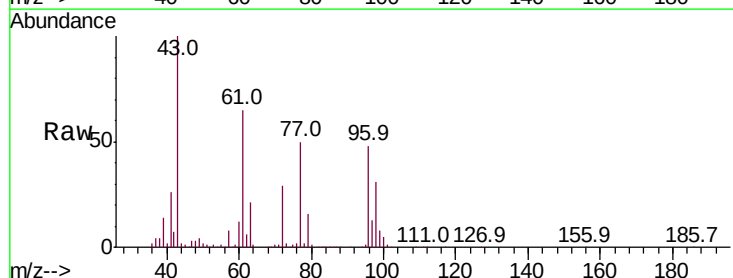
Manual Integrations
APPROVED

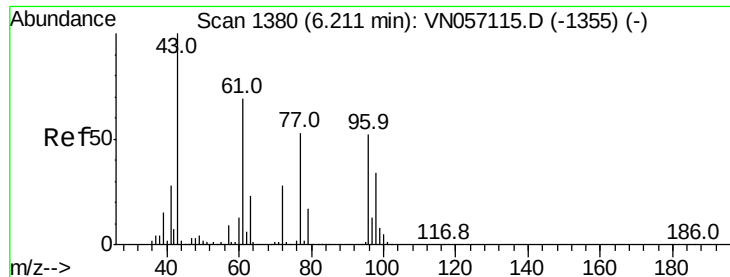
MMDadoda
8/8/2019 2:40:39 PM



#26
2,2-Dichloropropane
Concen: 143.013 ug/l
RT: 6.21 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 77 Resp: 2199951
Ion Ratio Lower Upper
77 100
97 25.1 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 150.131 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1920138

Ion Ratio Lower Upper

96 100

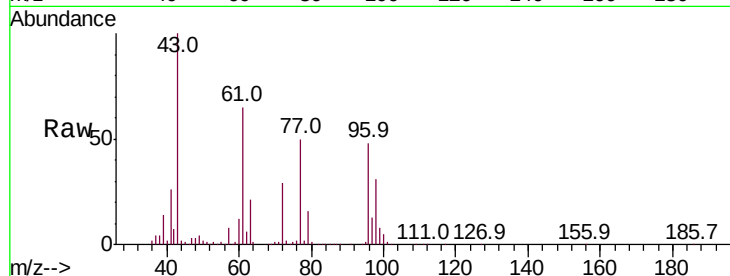
61 138.0 0.0 273.4

98 64.9 0.0 130.4

Manual Integrations
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MMDadoda

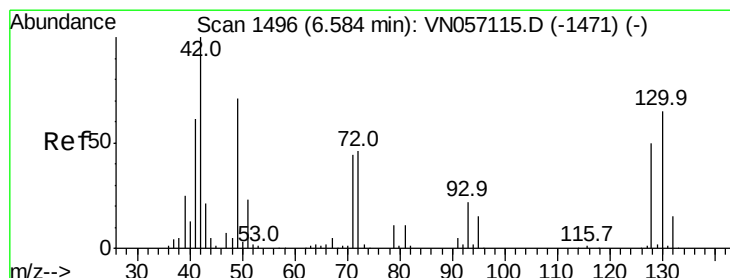
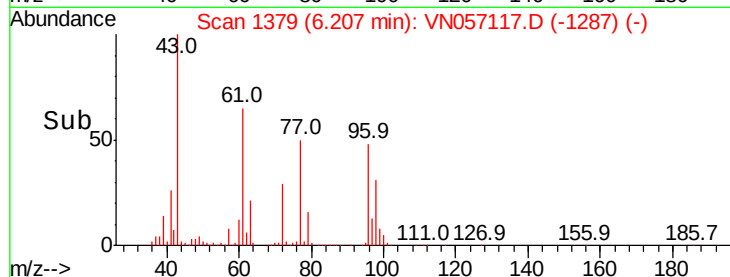
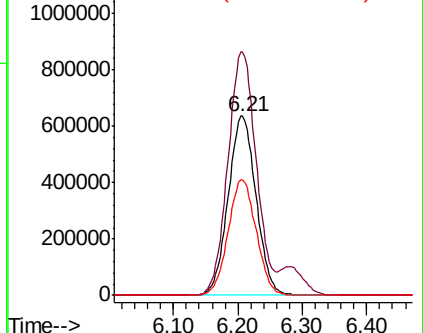
8/8/2019 2:40:39 PM



Abundance Ion 95.90 (95.60 to 96.60): VN057117.D (-1287) (-)

Ion 60.90 (60.60 to 61.60): VN057117.D (-1287) (-)

Ion 97.90 (97.60 to 98.60): VN057117.D (-1287) (-)



#28

Bromochloromethane

Concen: 146.771 ug/l

RT: 6.58 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

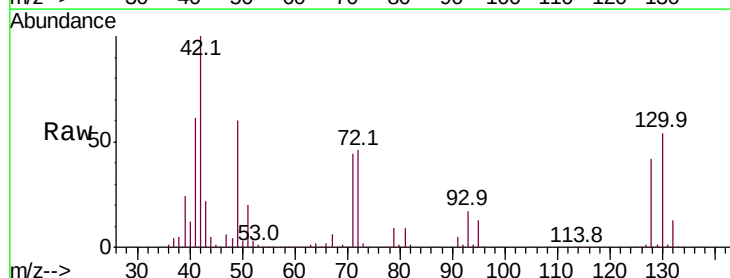
Tgt Ion: 49 Resp: 1310622

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.8

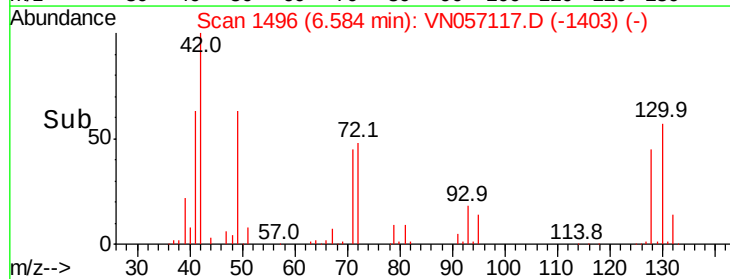
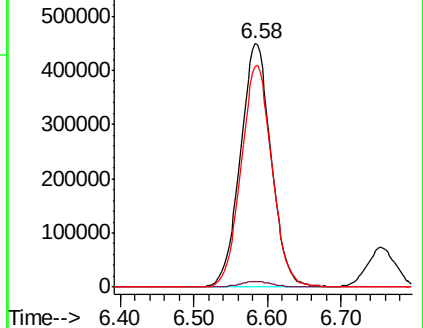
130 91.2 73.8 110.8

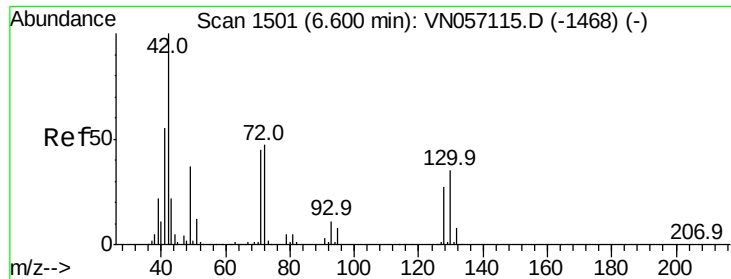


Abundance Ion 48.90 (48.60 to 49.60): VN057117.D (-1403) (-)

Ion 128.80 (128.50 to 129.50): VN057117.D (-1403) (-)

Ion 129.80 (129.50 to 130.50): VN057117.D (-1403) (-)





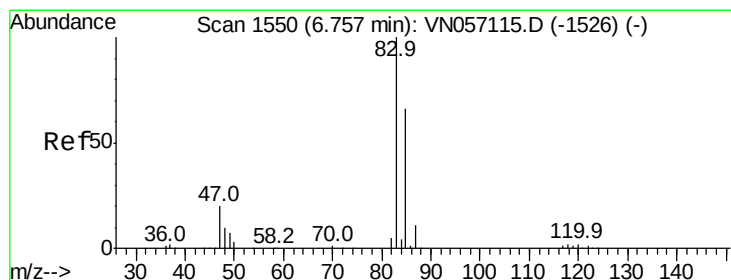
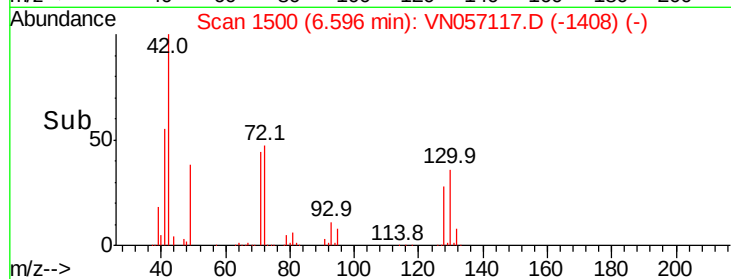
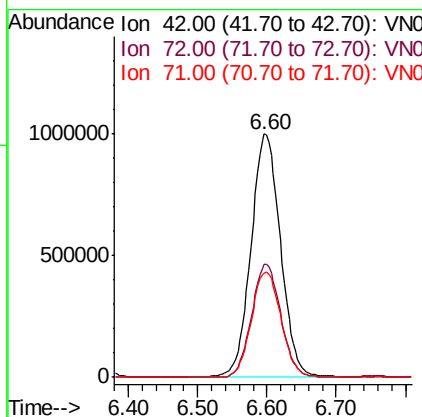
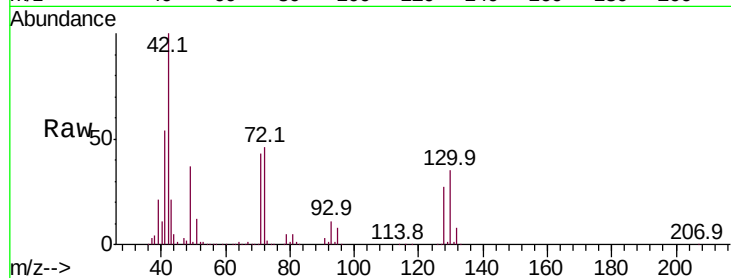
#29
Tetrahydrofuran
Concen: 839.998 ug/l
RT: 6.60 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 2946165
Ion Ratio Lower Upper
42 100
72 46.0 37.1 55.7
71 43.5 34.8 52.2

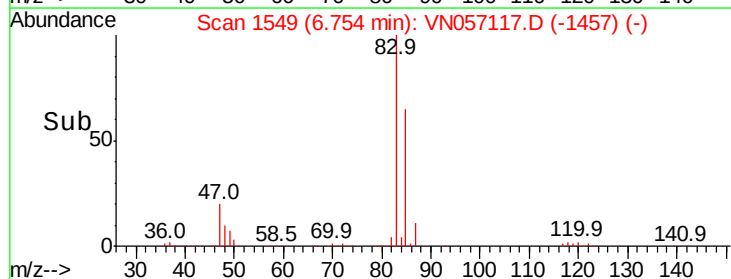
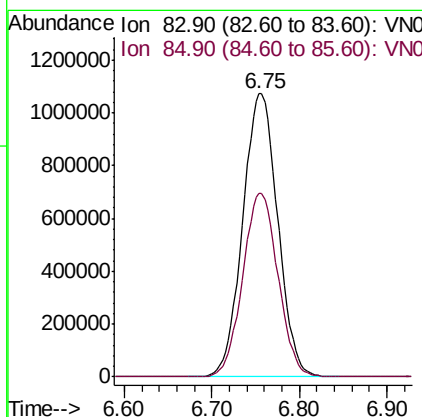
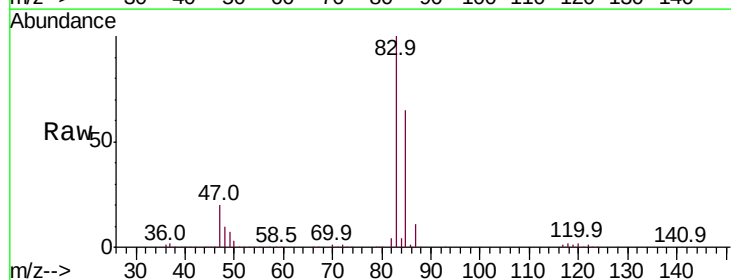
Manual Integrations
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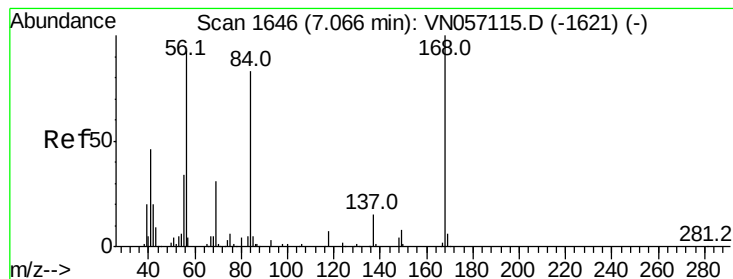
MMDadoda
8/8/2019 2:40:39 PM



#30
Chloroform
Concen: 147.239 ug/l
RT: 6.75 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 83 Resp: 2978136
Ion Ratio Lower Upper
83 100
85 65.0 52.6 78.8





#31

Cyclohexane

Concen: 142.345 ug/l

RT: 7.06 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 2543020

Ion Ratio Lower Upper

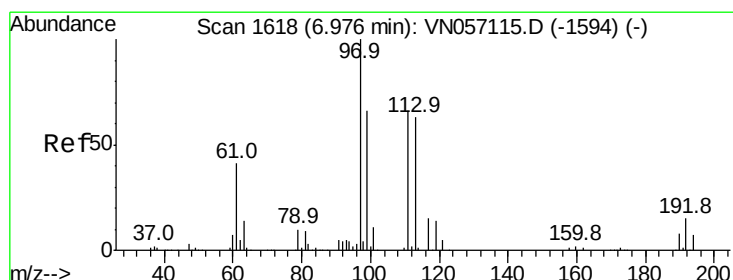
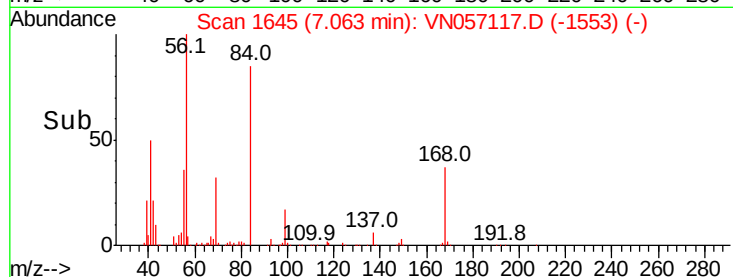
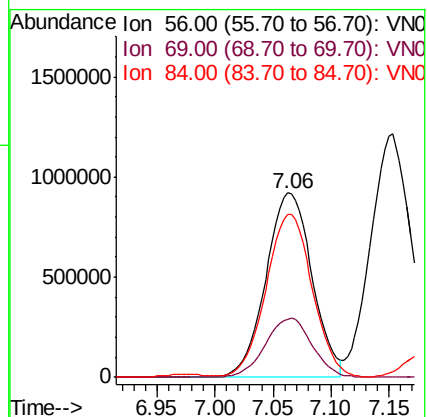
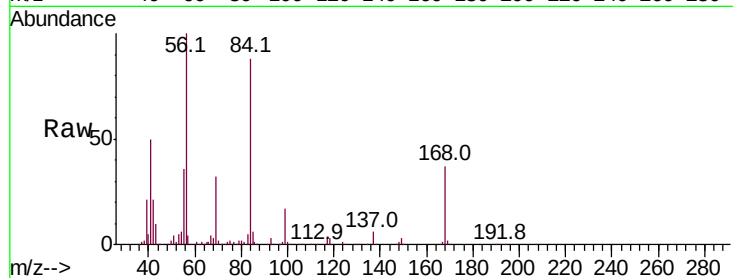
56 100

69 31.6 26.9 40.3

84 86.8 71.9 107.9

Manual Integrations
APPROVED

MMDadoda
8/8/2019 2:40:39 PM



#32

1,1,1-Trichloroethane

Concen: 156.879 ug/l

RT: 6.97 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

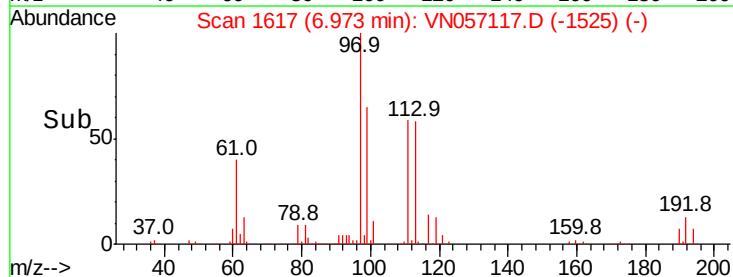
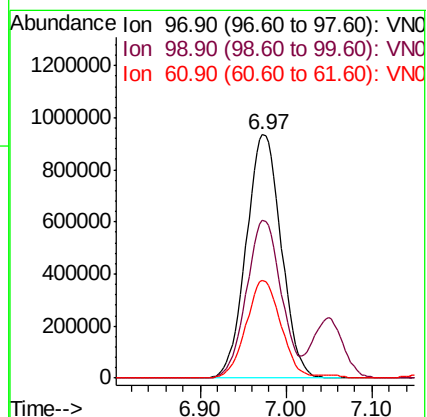
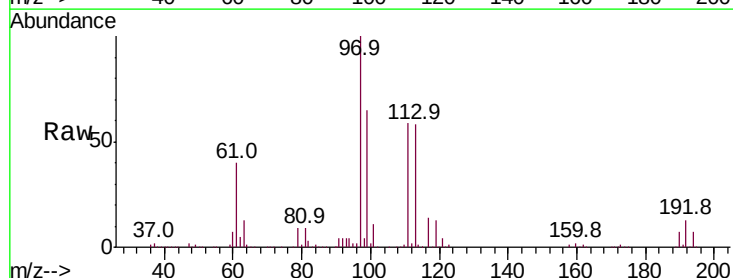
Tgt Ion: 97 Resp: 2645480

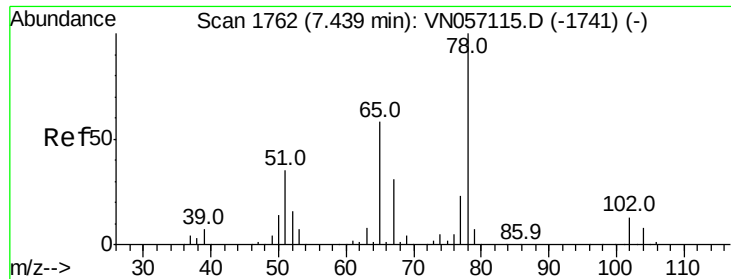
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 39.9 32.7 49.1





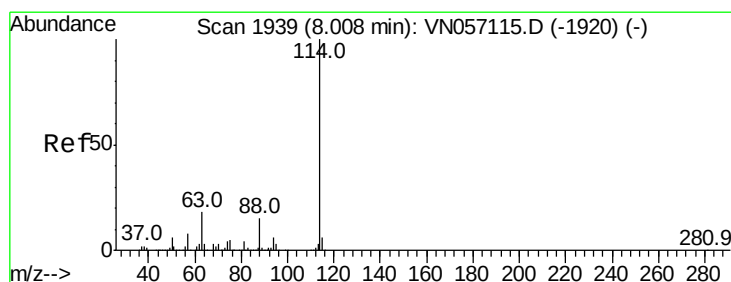
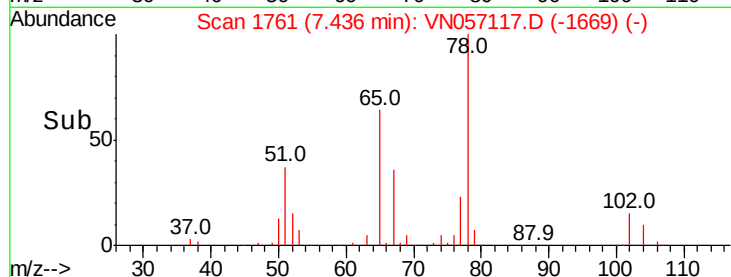
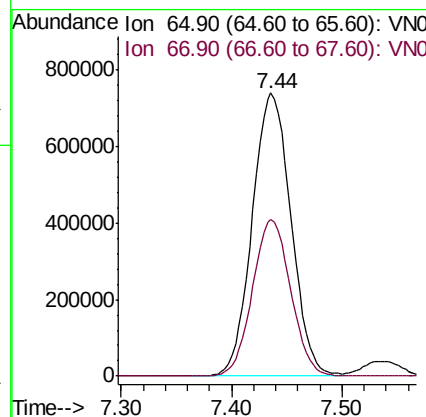
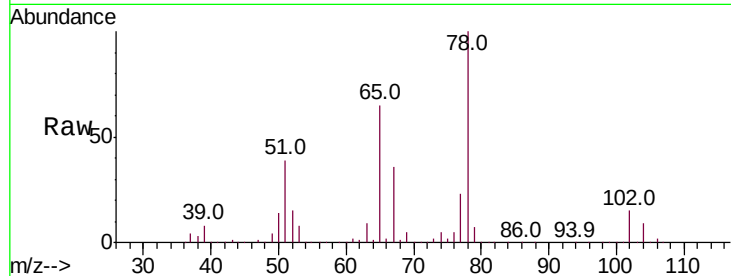
#33
 1,2-Dichloroethane-d4
 Concen: 145.759 ug/l
 RT: 7.44 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1798998
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.2

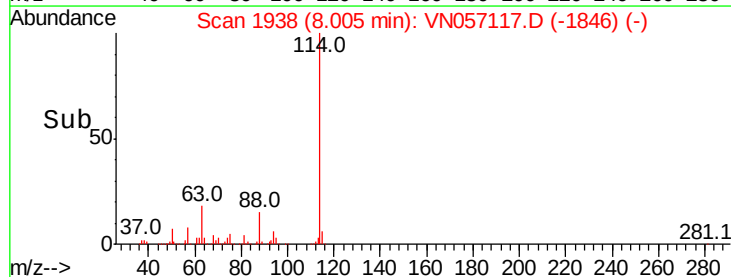
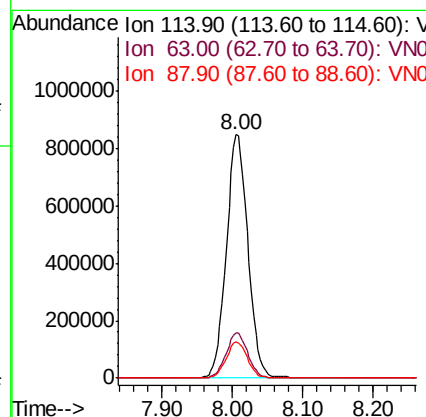
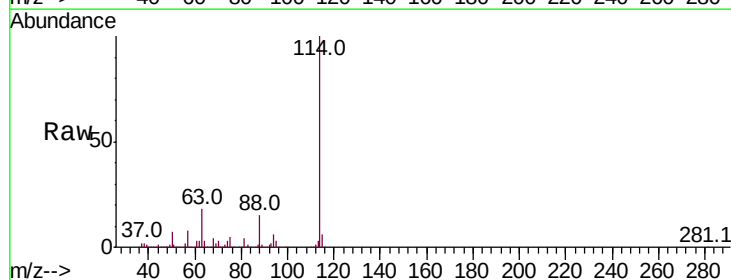
Manual Integrations
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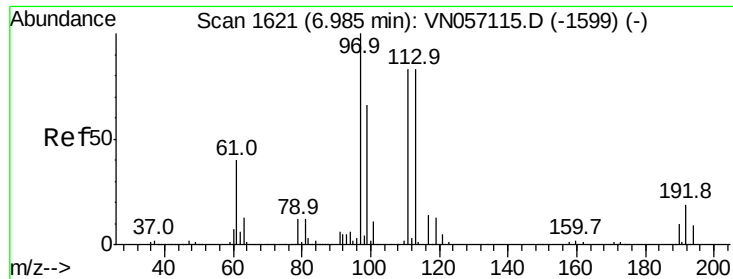
MMDadoda
 8/8/2019 2:40:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 114 Resp: 1812143
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 14.7 0.0 30.0





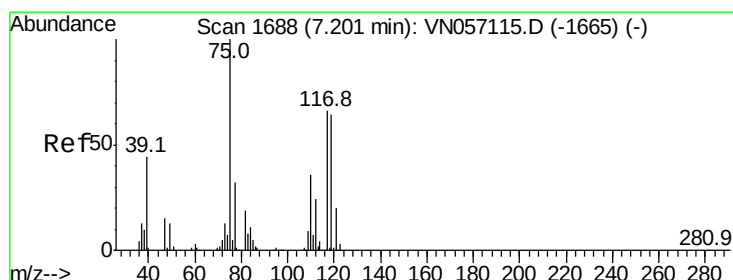
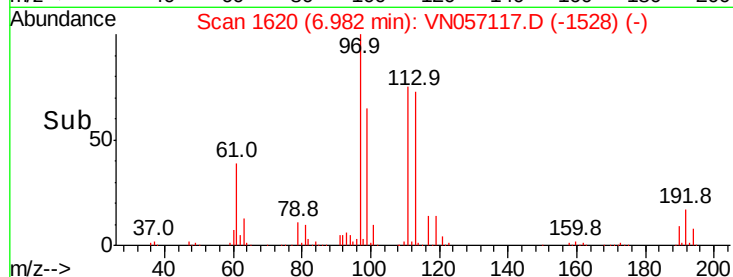
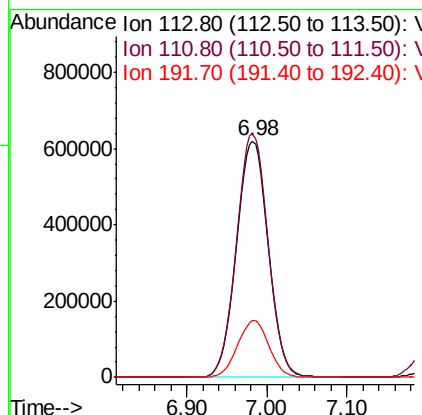
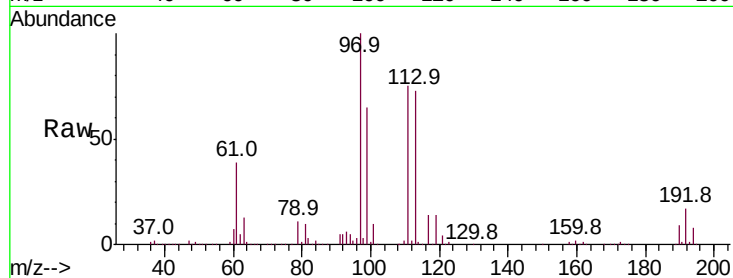
#35
 Dibromofluoromethane
 Concen: 145.819 ug/l
 RT: 6.98 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.3	121.9
192	23.6	19.0	28.4

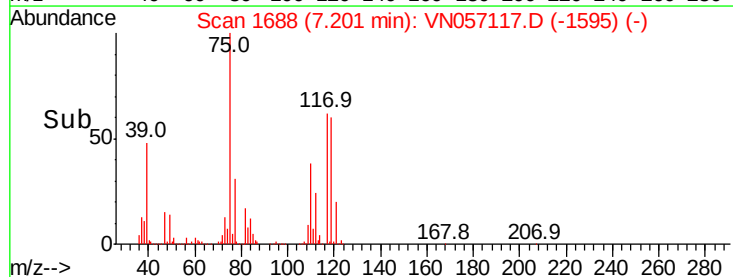
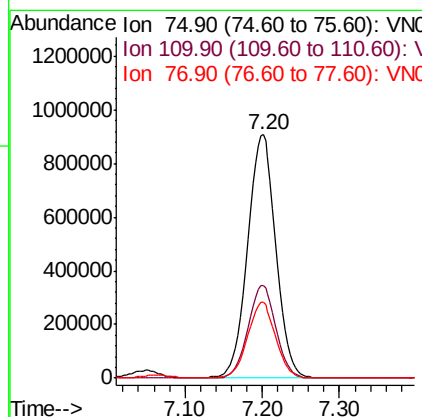
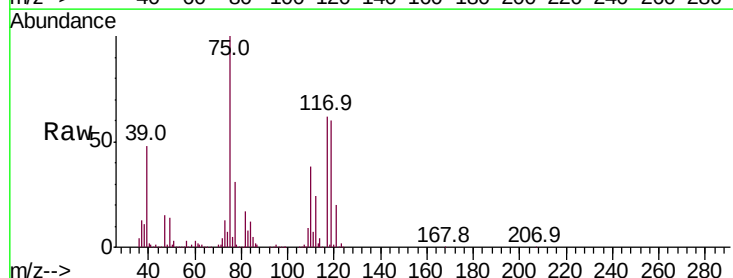
Manual Integrations
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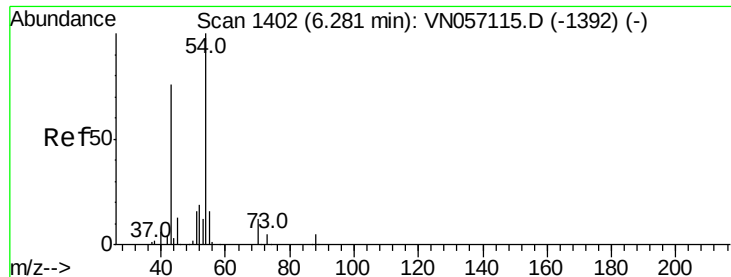
MMDadoda
 8/8/2019 2:40:39 PM



#36
 1,1-Dichloropropene
 Concen: 146.594 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.7	56.1
77	31.0	25.0	37.4





#37
Ethyl Acetate
Concen: 153.324 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

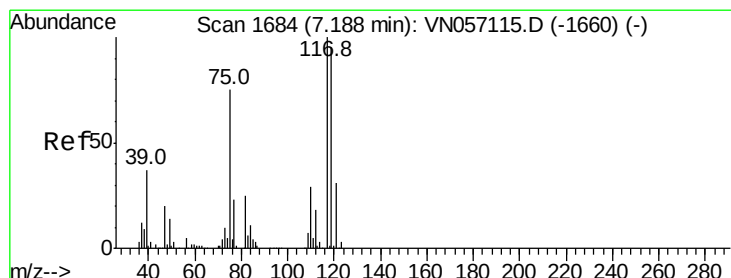
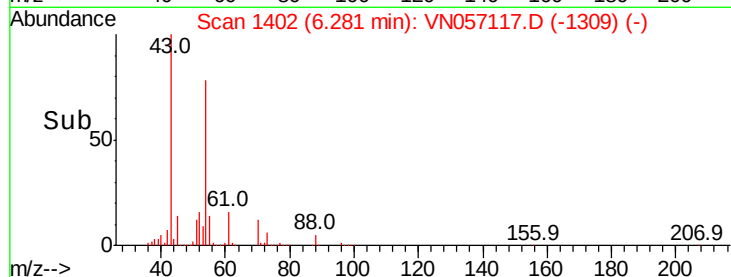
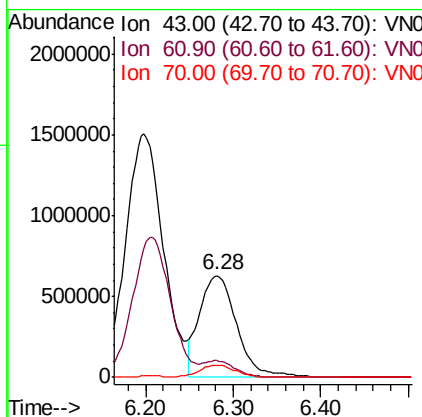
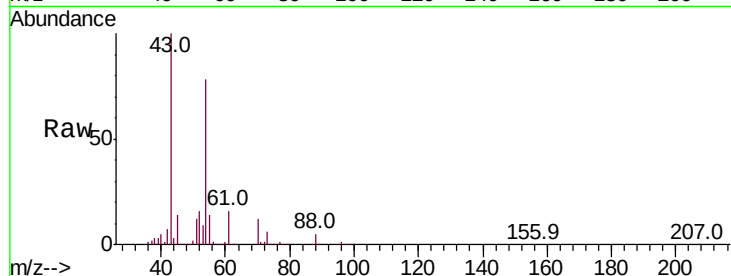
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1839762

Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	12.0	9.1	13.7

Manual Integrations
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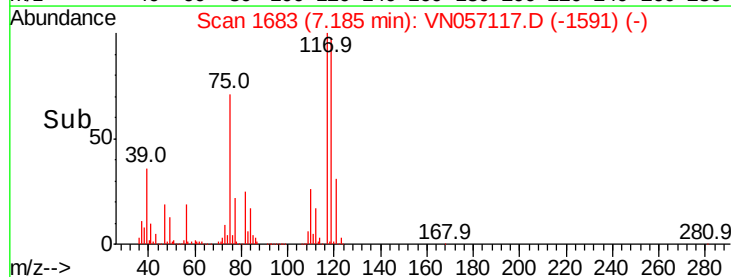
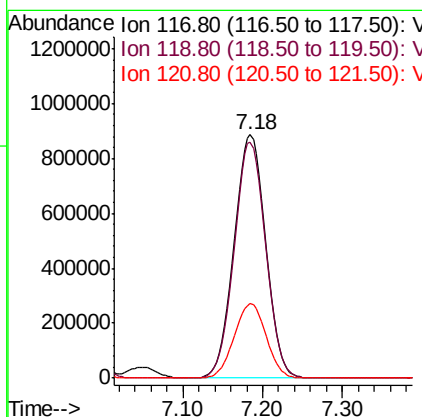
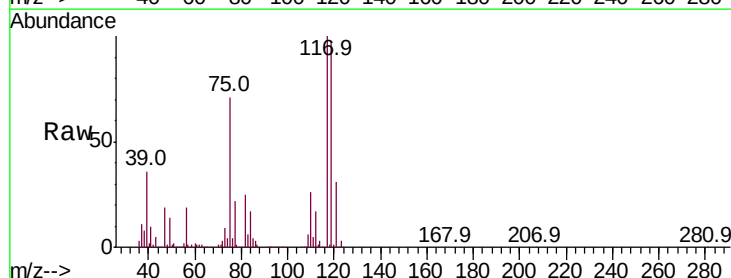
MMDadoda
8/8/2019 2:40:39 PM

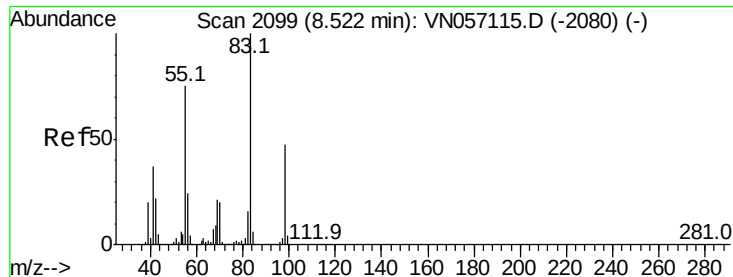


#38
Carbon Tetrachloride
Concen: 155.350 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 117 Resp: 2355930

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.6
121	30.5	24.4	36.6





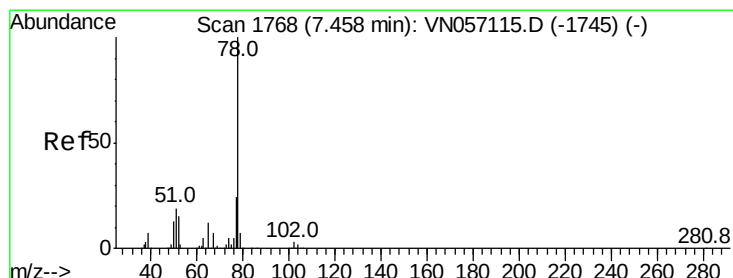
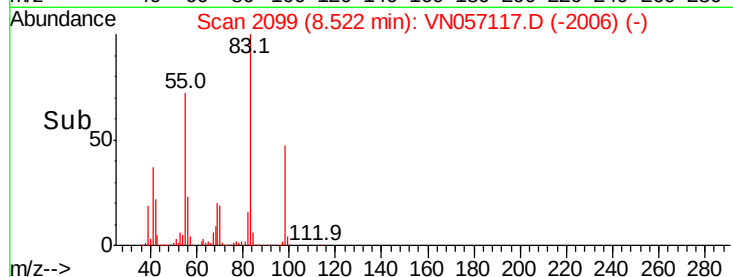
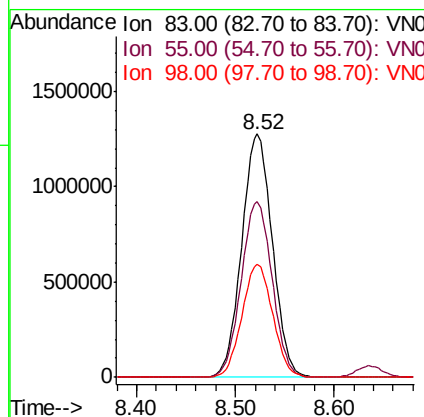
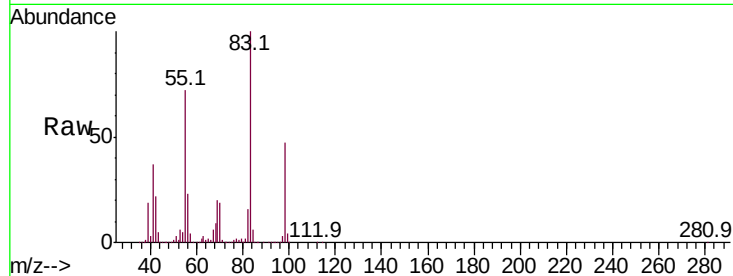
#39
Methylvlcyclohexane
Concen: 150.468 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	60.3	90.5
98	46.7	37.9	56.9

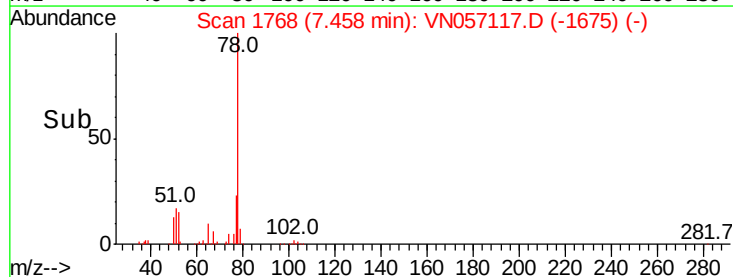
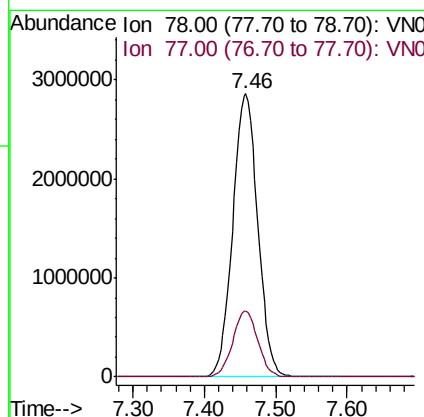
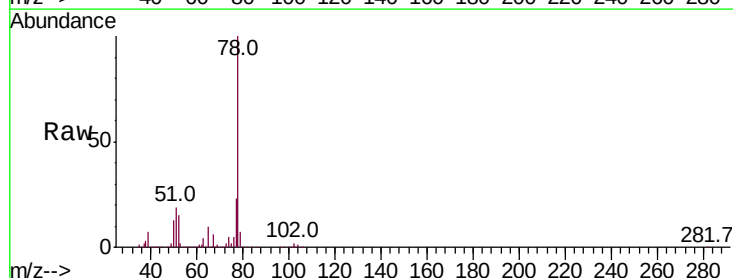
Manual Integrations
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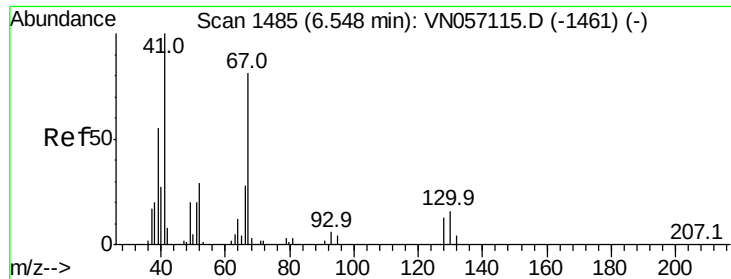
MMDadoda
8/8/2019 2:40:39 PM



#40
Benzene
Concen: 143.824 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





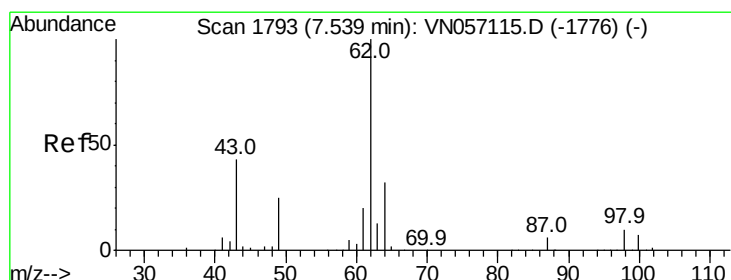
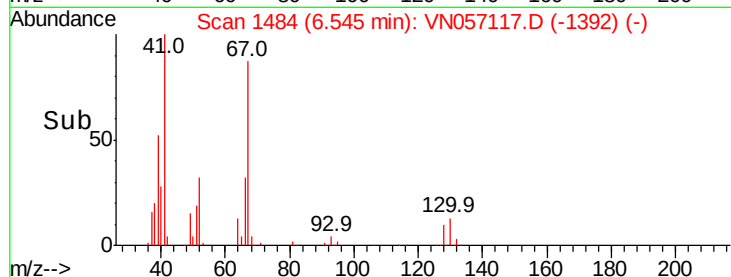
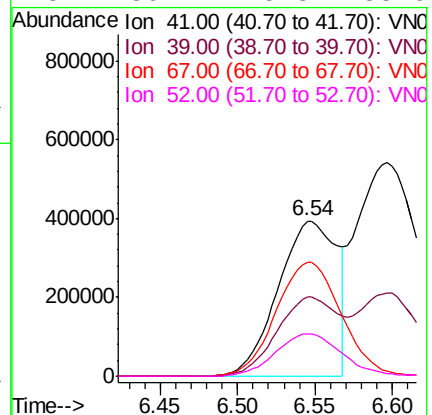
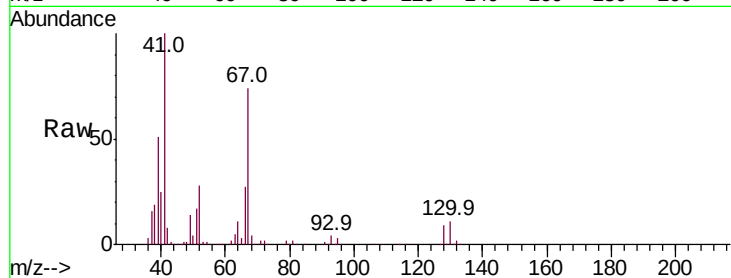
#41
Methacrylonitrile
Concen: 205.667 ug/l
RT: 6.54 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 1038370
Ion Ratio Lower Upper
41 100
39 53.9 44.9 67.3
67 81.8 69.1 103.7
52 30.4 25.8 38.6

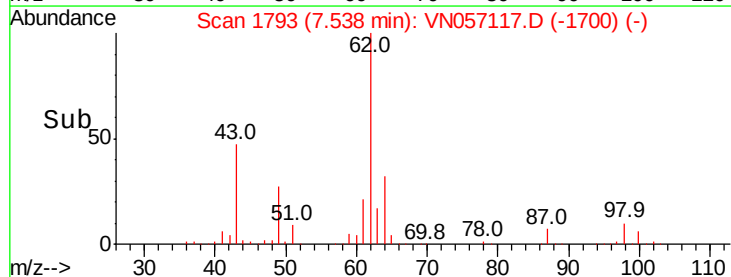
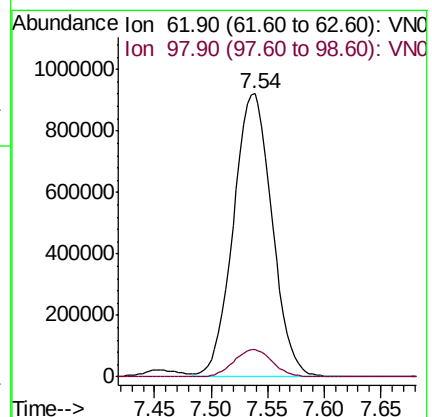
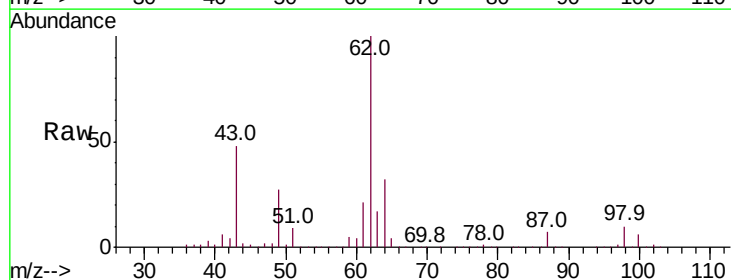
Manual Integrations
APPROVED

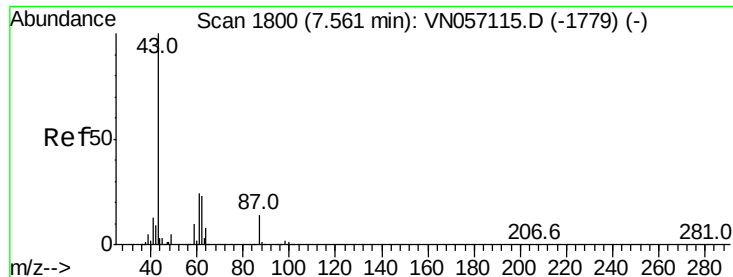
MMDadoda
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#42
1,2-Dichloroethane
Concen: 143.861 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 62 Resp: 2187910
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4





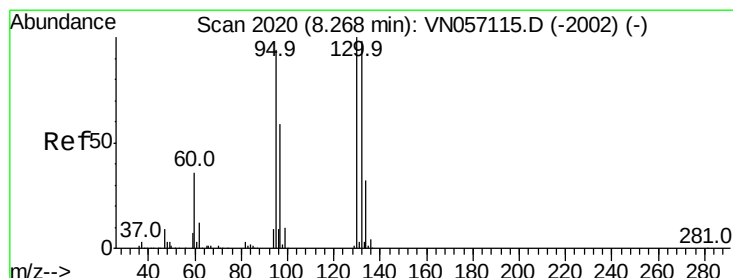
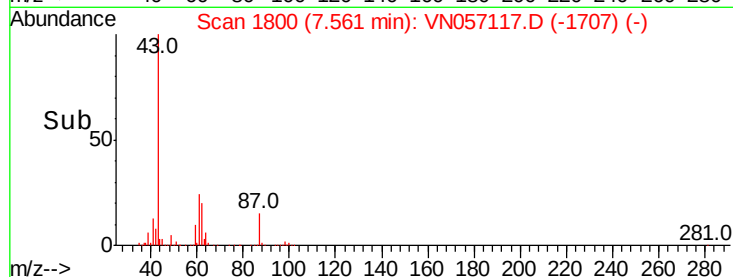
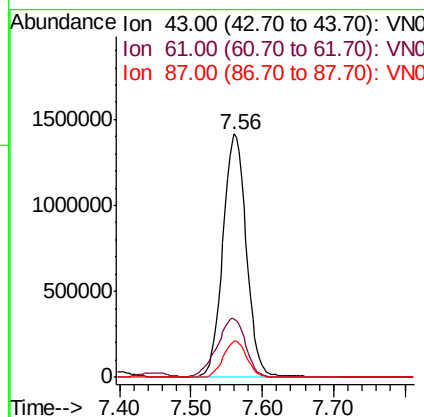
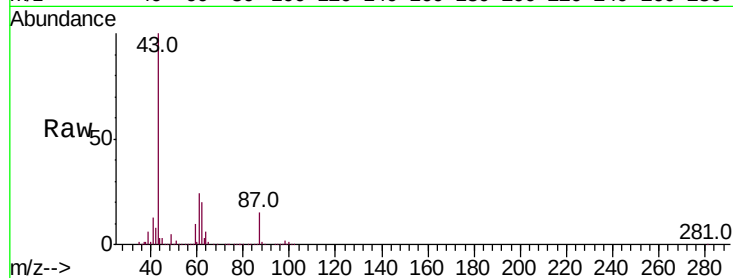
#43
Isopropyl Acetate
Concen: 147.763 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.2	36.2
87	14.9	11.8	17.8

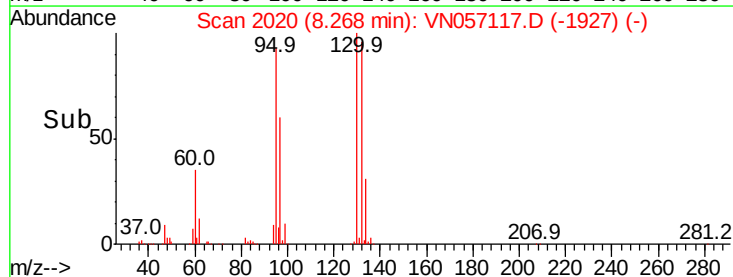
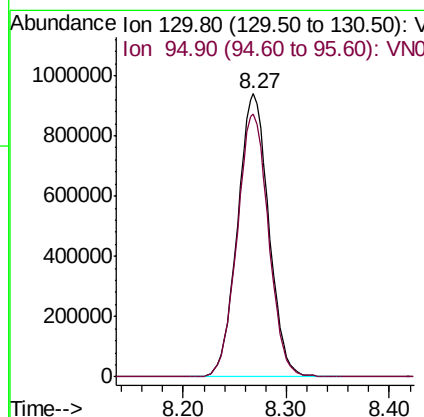
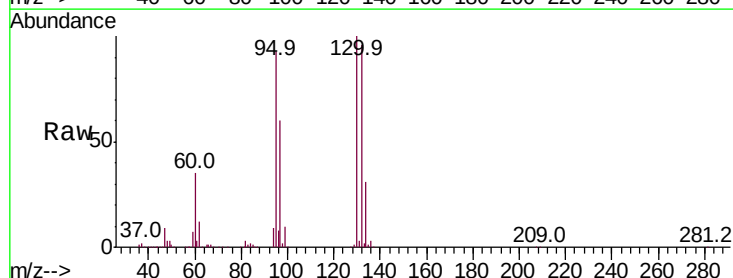
Manual Integrations
APPROVED

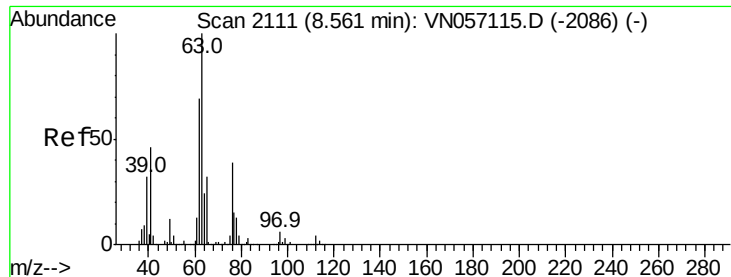
MMDadoda
8/8/2019 2:40:39 PM



#44
Trichloroethene
Concen: 148.898 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	187.4





#45

1,2-Dichloropropane

Concen: 145.861 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1832559

Ion Ratio Lower Upper

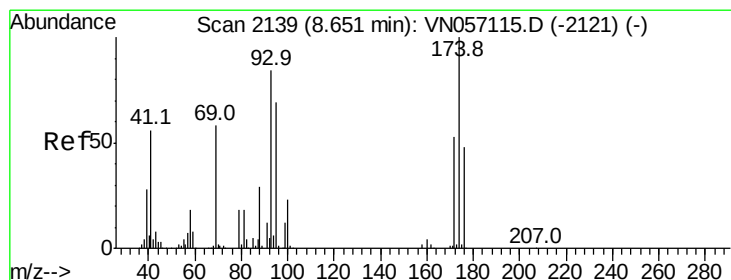
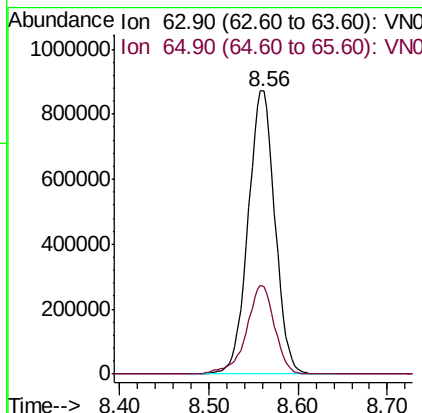
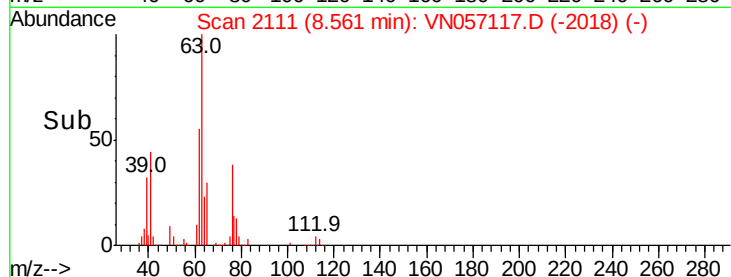
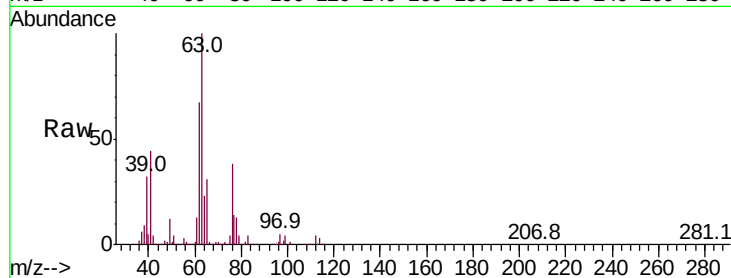
63 100

65 31.0 25.2 37.8

Manual Integrations
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MMDadoda

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#46

Dibromomethane

Concen: 150.187 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

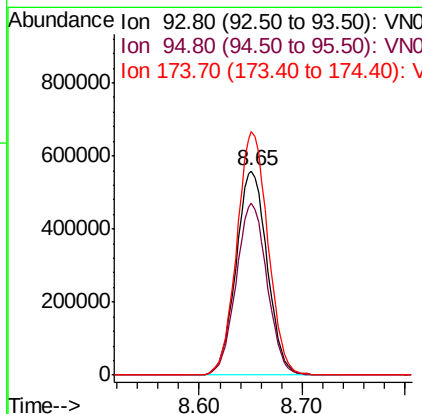
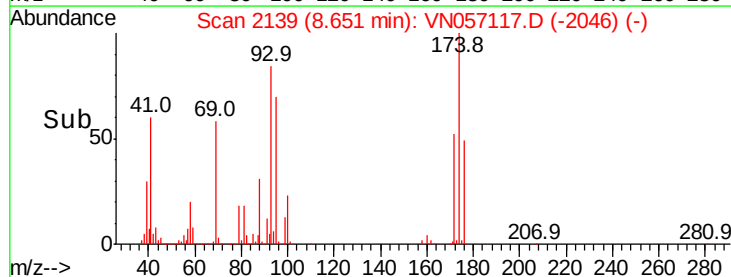
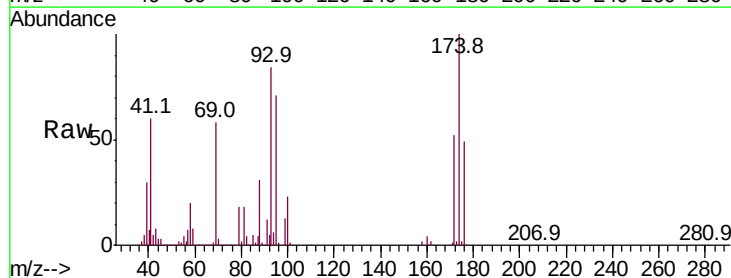
Tgt Ion: 93 Resp: 1174968

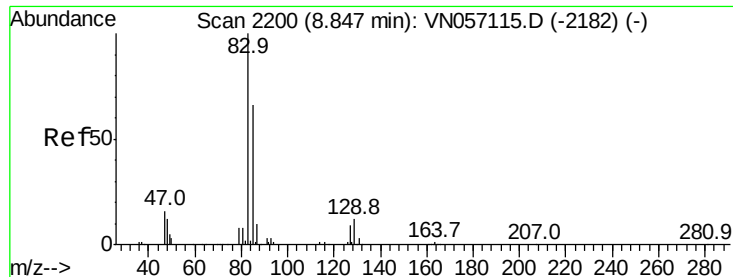
Ion Ratio Lower Upper

93 100

95 83.6 66.0 99.0

174 118.9 96.0 144.0





#47

Bromodichloromethane

Concen: 159.252 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2390037

Ion Ratio Lower Upper

83 100

85 63.6 52.6 78.8

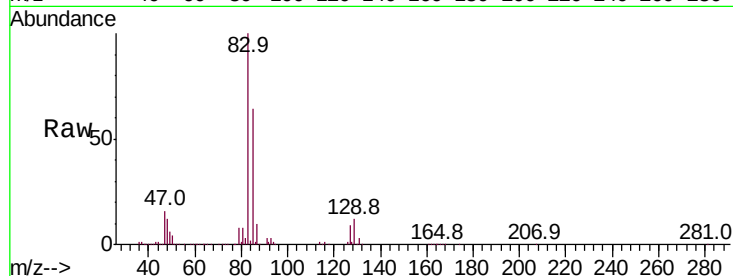
127 9.4 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

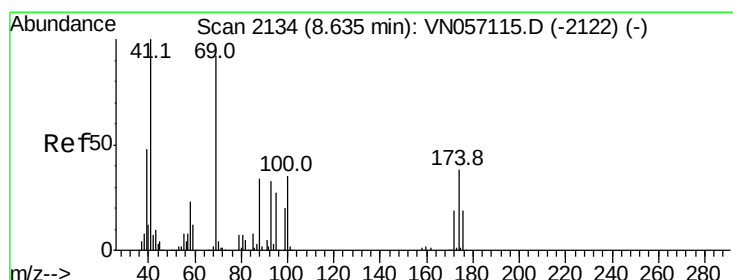
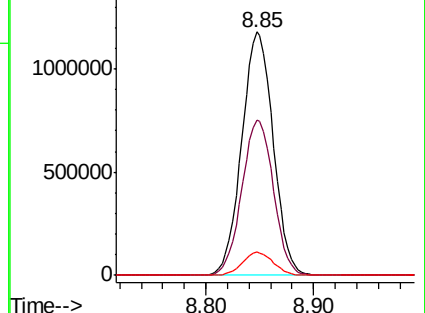
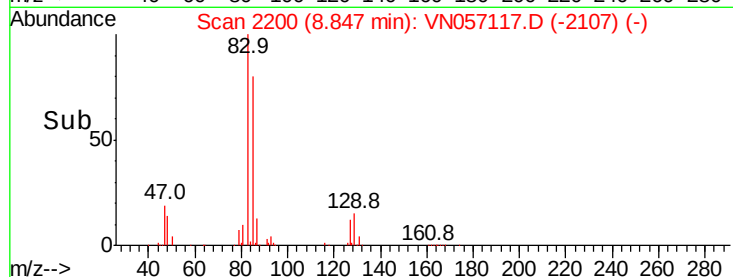
8/8/2019 2:40:39 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 157.929 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

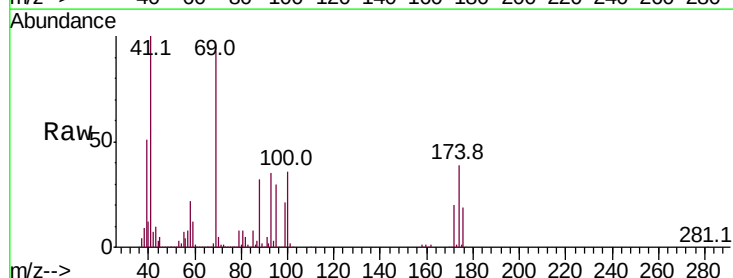
Tgt Ion: 41 Resp: 1520913

Ion Ratio Lower Upper

41 100

69 97.7 77.5 116.3

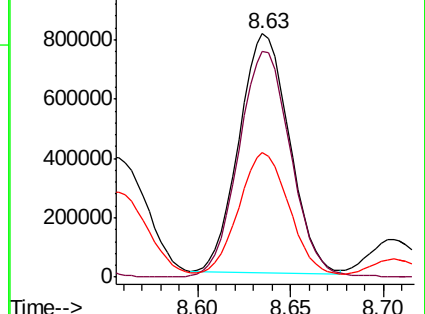
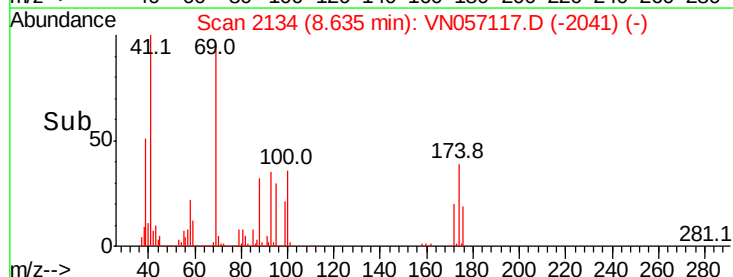
39 50.3 39.8 59.6

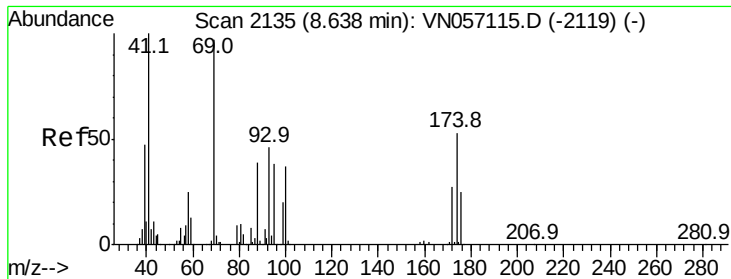


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





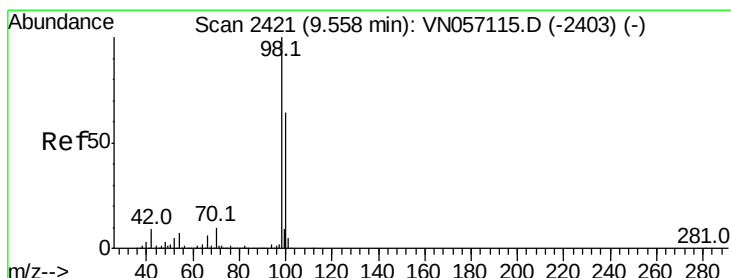
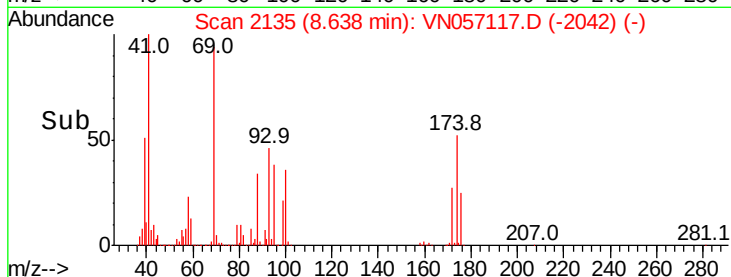
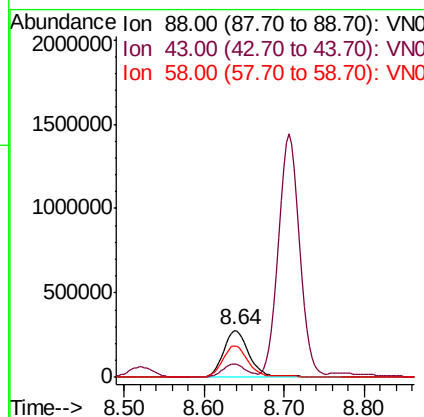
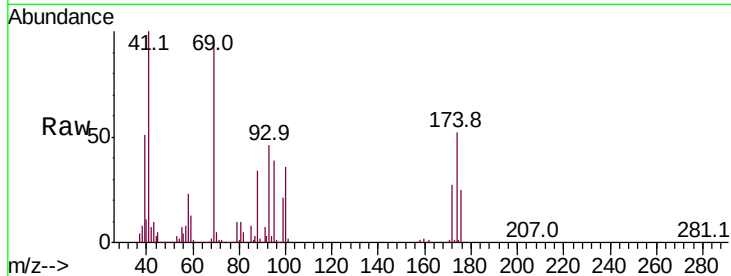
#49
1,4-Dioxane
Concen: 3187.959 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	21.7	32.5
58	65.3	51.1	76.7

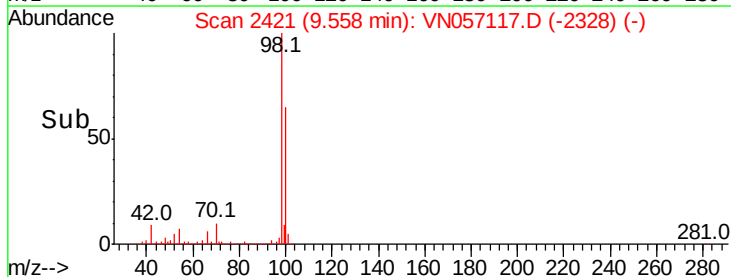
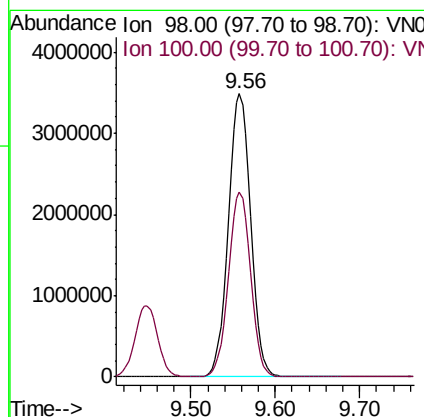
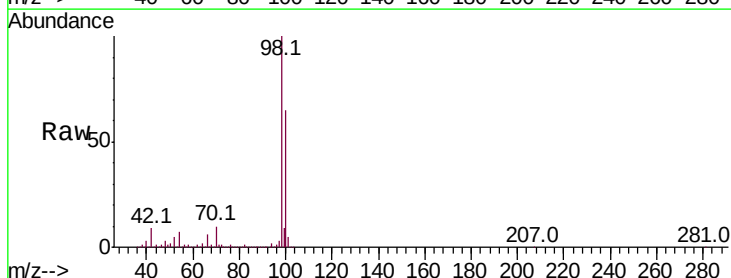
Manual Integrations
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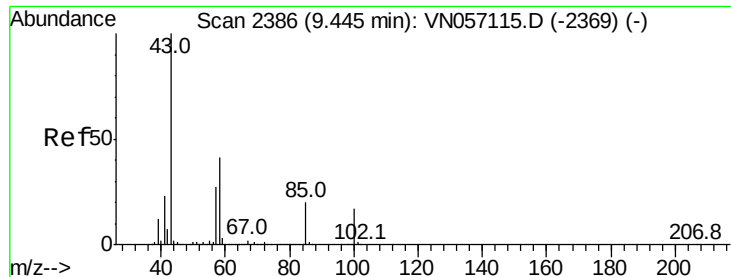
MMDadoda
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#50
Toluene-d8
Concen: 148.634 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





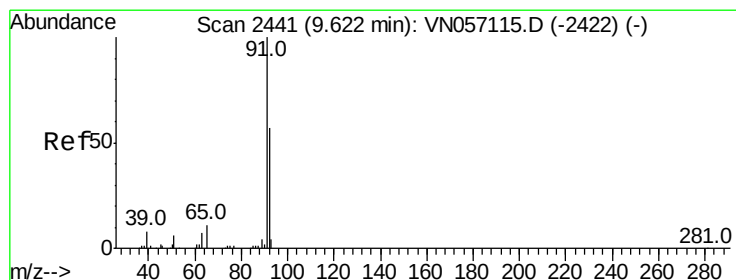
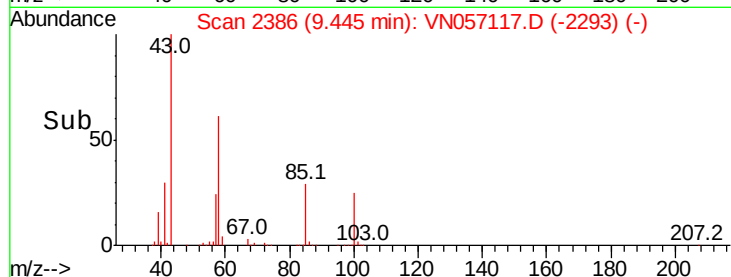
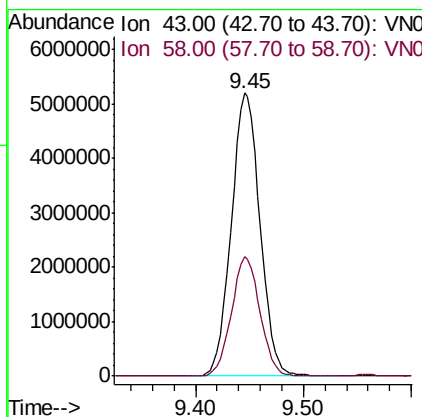
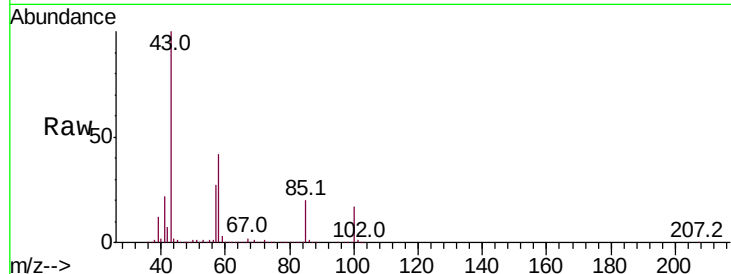
#51
 4-Methyl-2-Pentanone
 Concen: 881.884 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 9639347
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.2 49.8

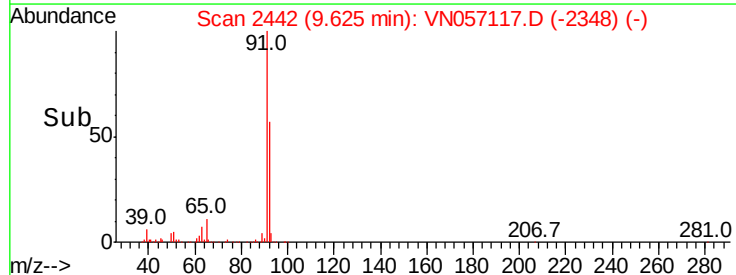
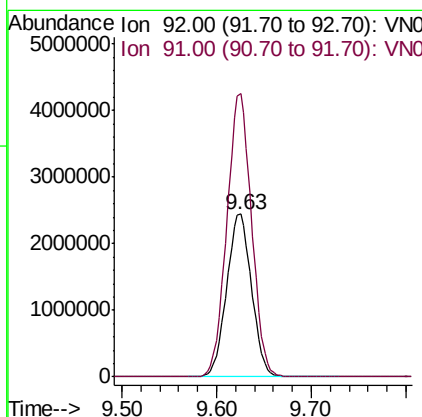
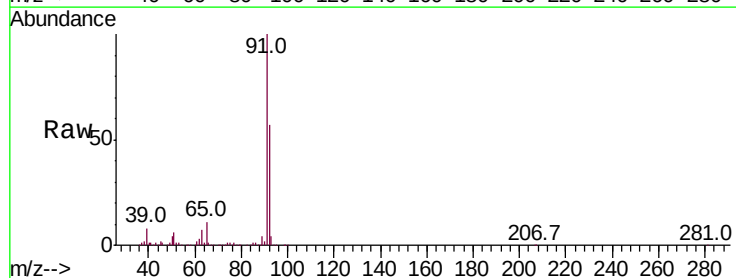
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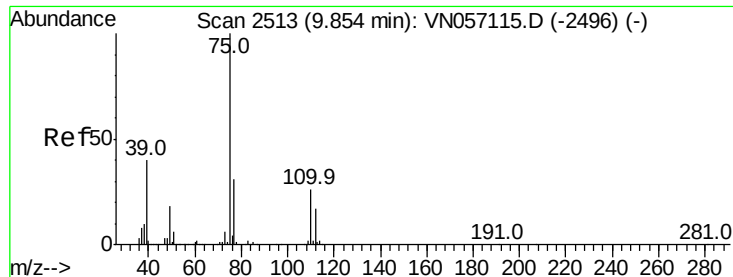
MMDadoda
 8/8/2019 2:40:39 PM



#52
 Toluene
 Concen: 150.955 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 92 Resp: 4452531
 Ion Ratio Lower Upper
 92 100
 91 173.1 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 168.059 ug/l

RT: 9.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tot Ion: 75 Resp: 2645786

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

Instrument :

MSVOA_N

ClientSampleId :

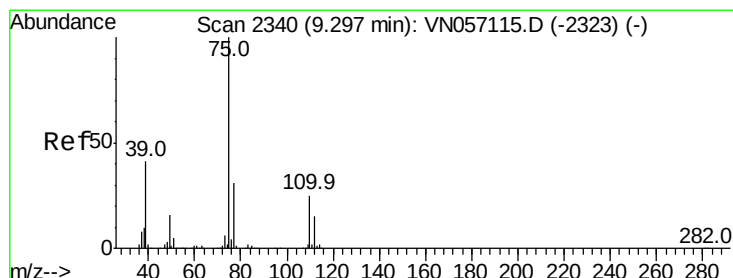
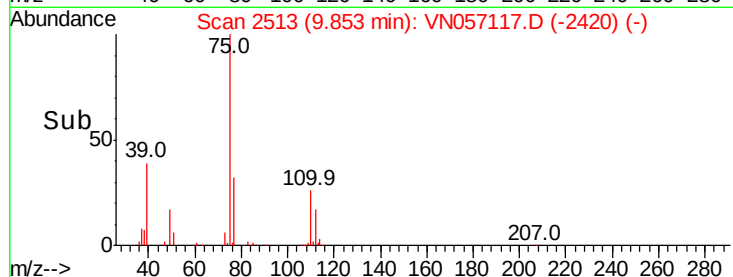
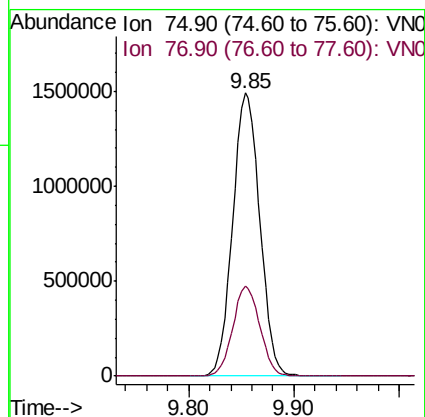
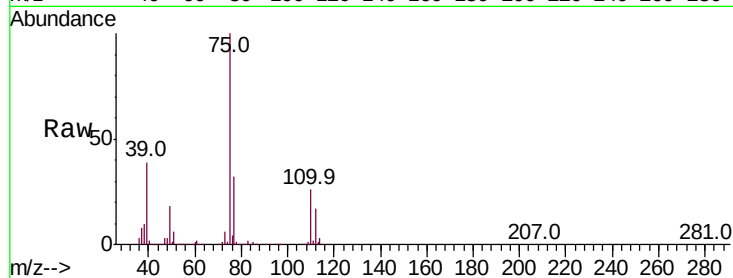
VSTDIC150

Manual Integrations

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8/8/2019 2:40:39 PM



#54

cis-1,3-Dichloropropene

Concen: 159.377 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

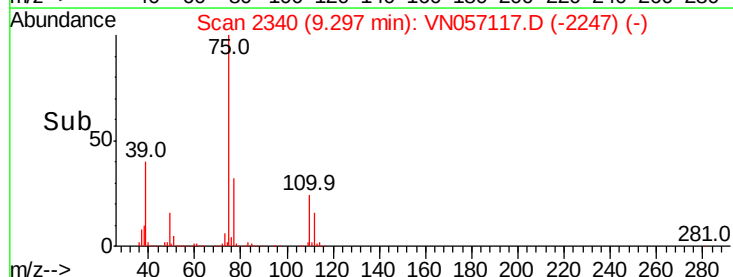
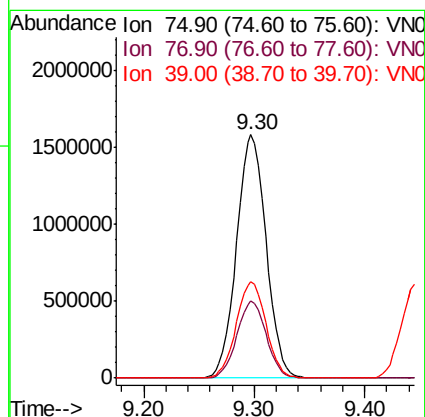
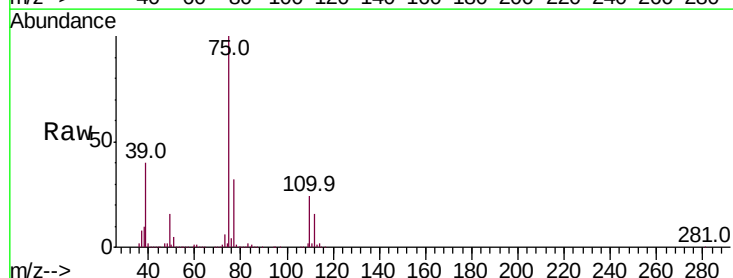
Tgt Ion: 75 Resp: 2942017

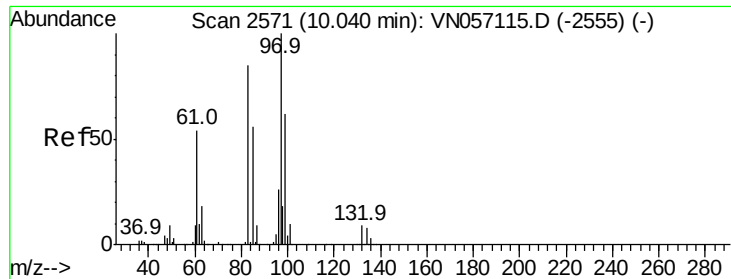
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 39.6 32.5 48.7





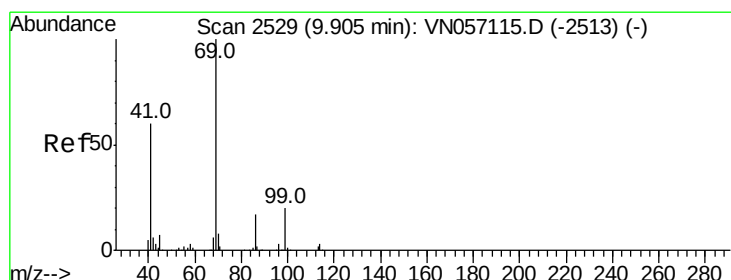
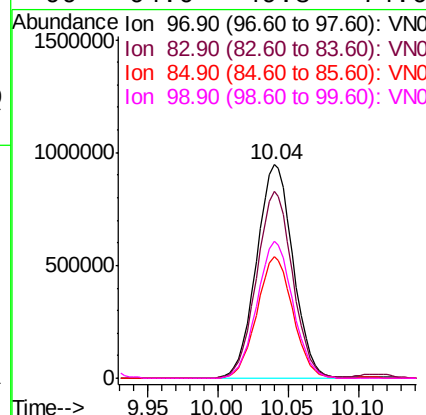
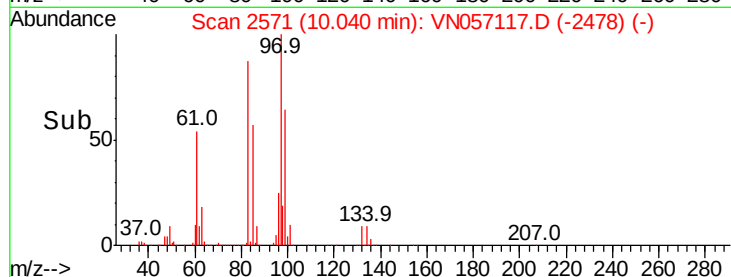
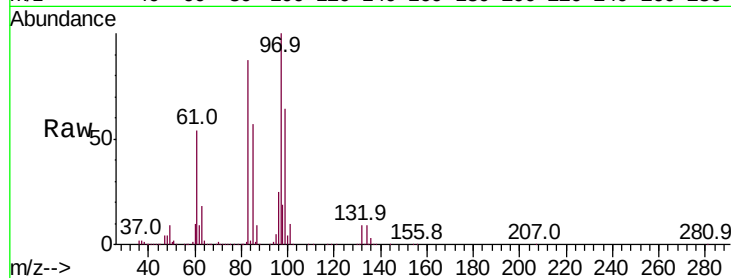
#55
 1,1,2-Trichloroethane
 Concen: 152.510 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	1716734
Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.8	101.8
85	56.8	44.4	66.6
99	64.0	49.8	74.6

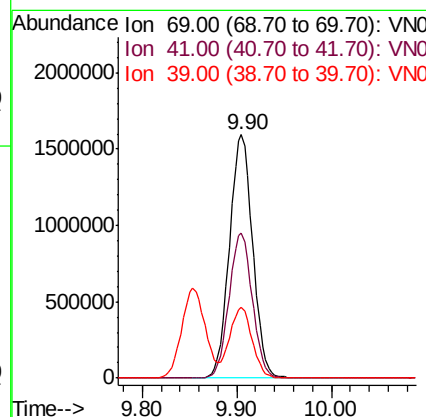
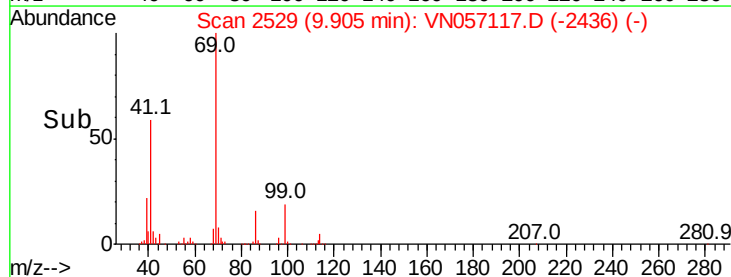
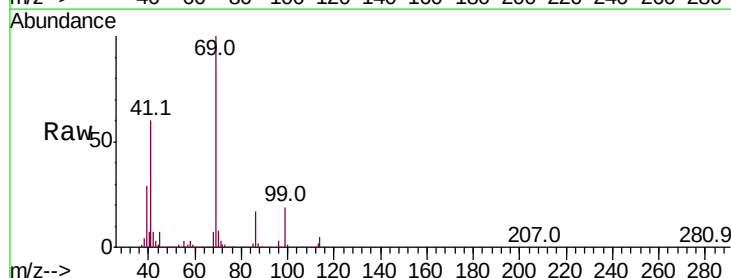
Manual Integrations
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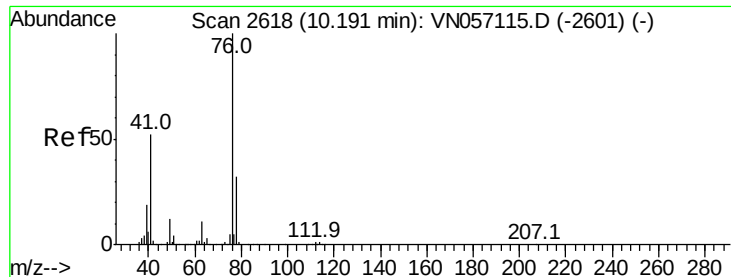
MMDadoda
 8/8/2019 2:40:39 PM



#56
 Ethyl methacrylate
 Concen: 175.996 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion	69	Resp	2714260
Ion	Ratio	Lower	Upper
69	100		
41	59.7	48.1	72.1
39	28.8	23.6	35.4





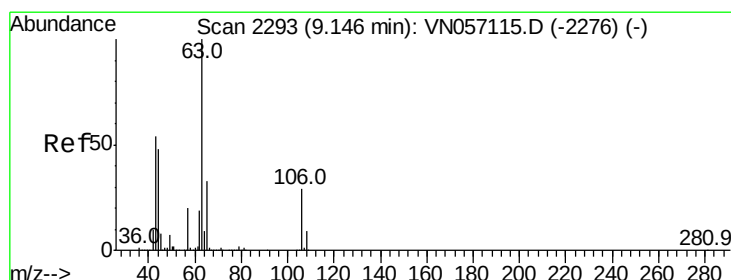
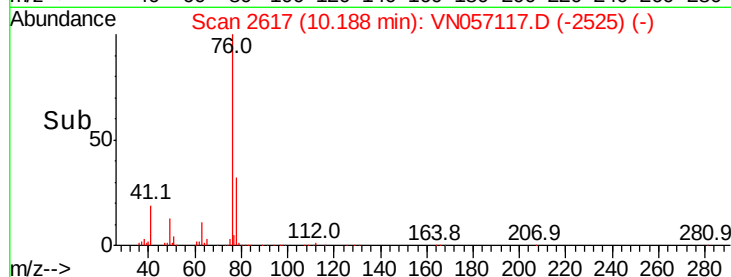
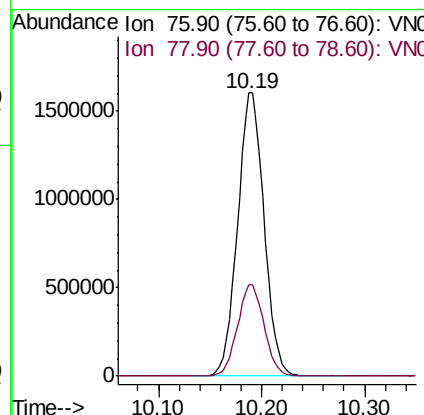
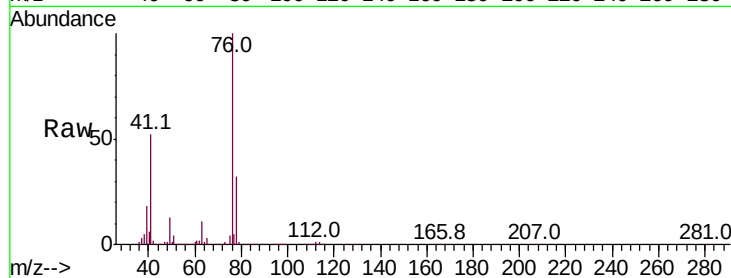
#57
 1,3-Dichloropropane
 Concen: 153.206 ug/l
 RT: 10.19 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 2863143
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

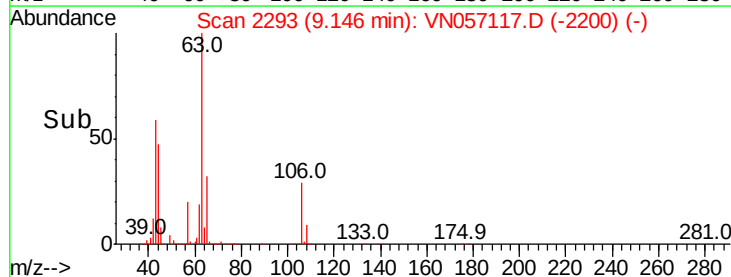
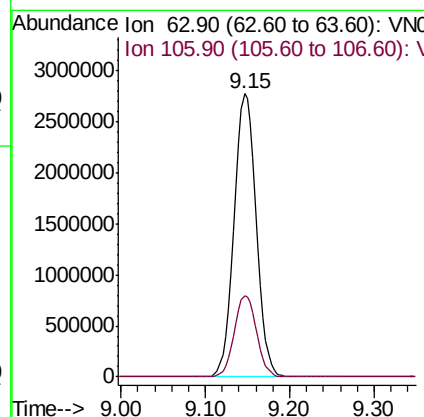
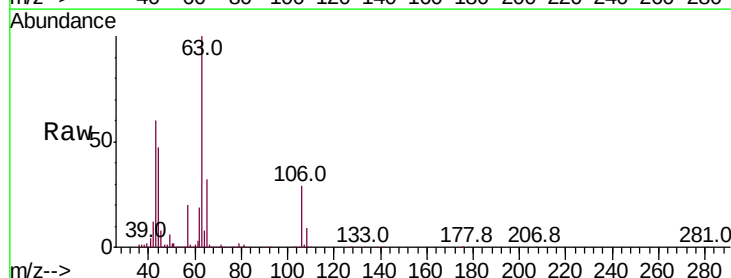
Manual Integrations
 APPROVED

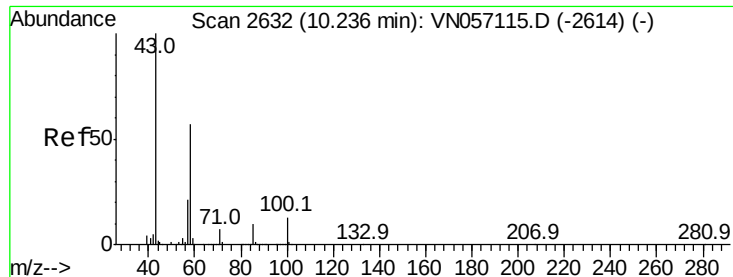
MMDadoda
 8/8/2019 2:40:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 910.865 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion: 63 Resp: 5068123
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.6 33.8





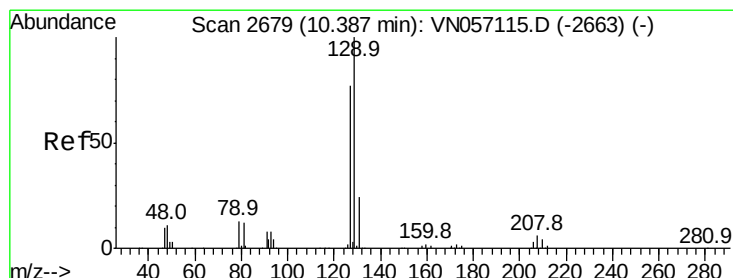
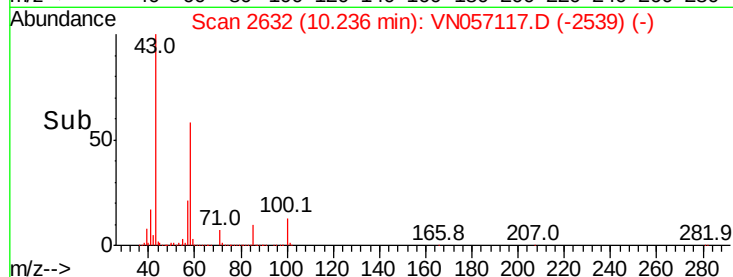
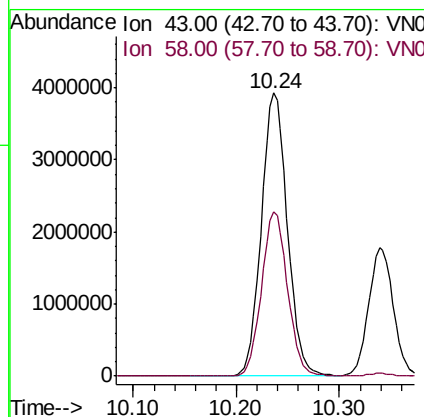
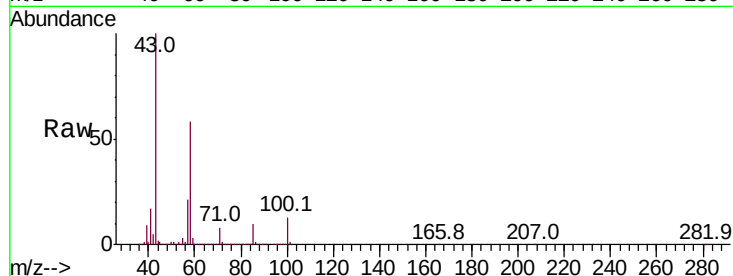
#59
2-Hexanone
Concen: 872.695 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 6843570
Ion Ratio Lower Upper
43 100
58 58.1 29.2 87.6

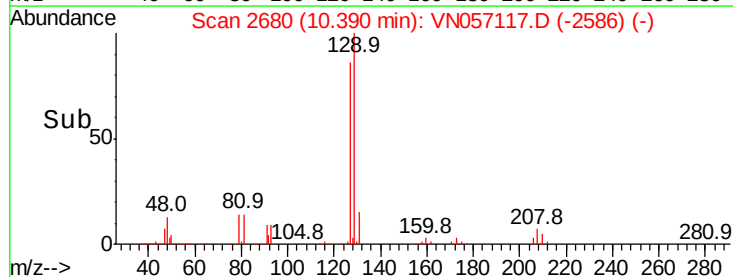
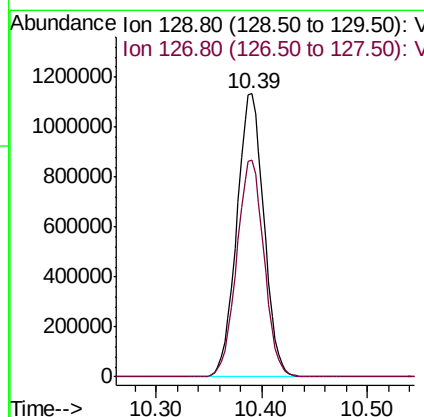
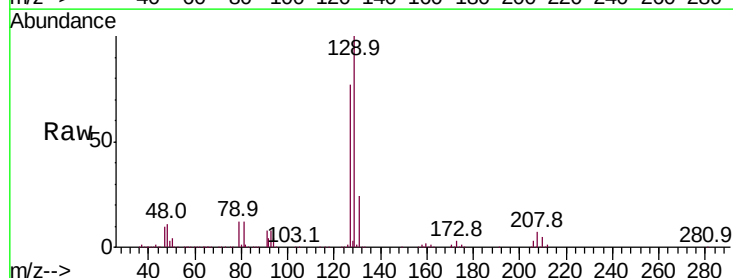
Manual Integrations
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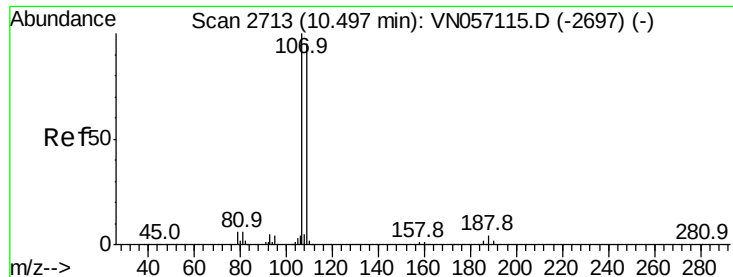
MMDadoda
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#60
Dibromochloromethane
Concen: 172.261 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 129 Resp: 2017602
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 160.305 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1843031

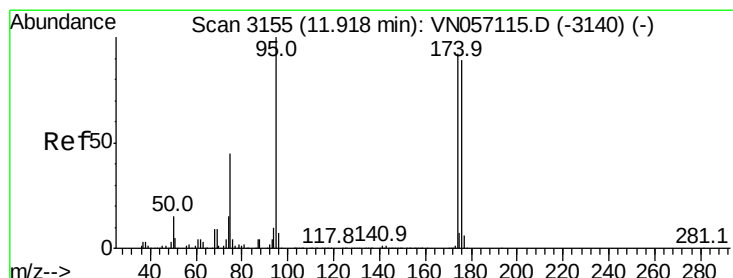
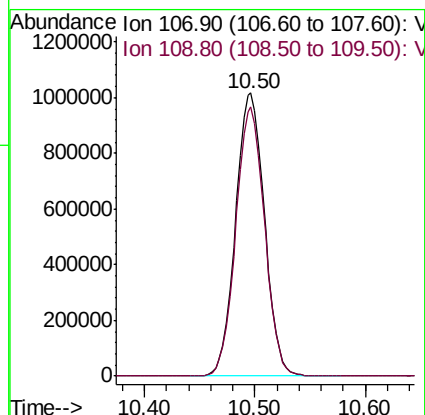
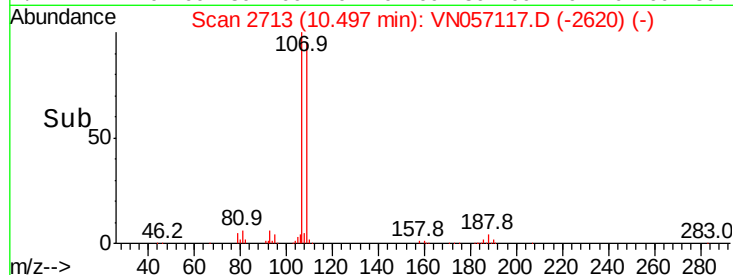
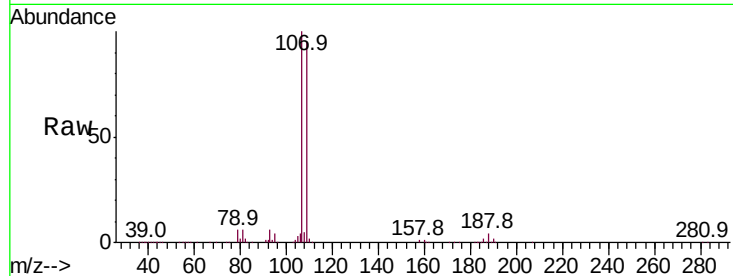
Ion Ratio Lower Upper

107 100

109 94.6 75.6 113.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 168.199 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

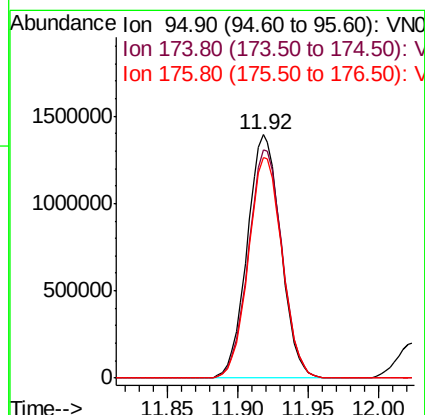
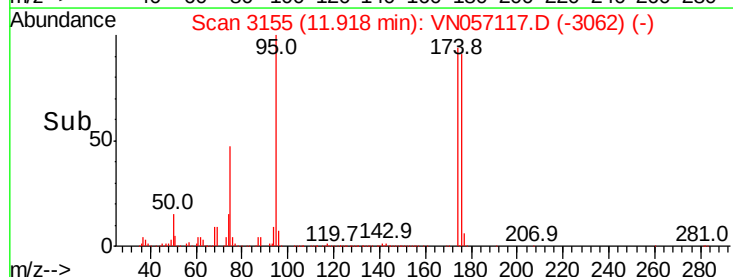
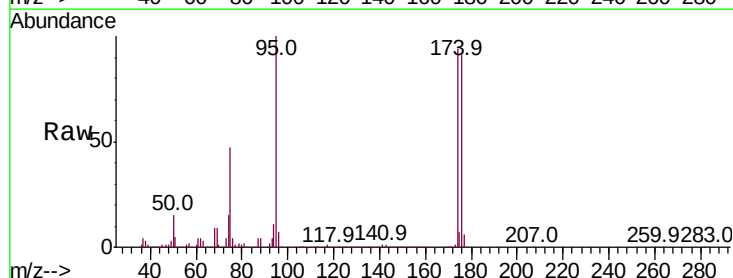
Tgt Ion: 95 Resp: 2327826

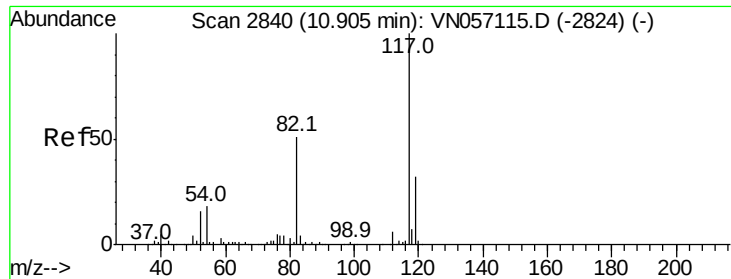
Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.0

176 91.1 0.0 181.2





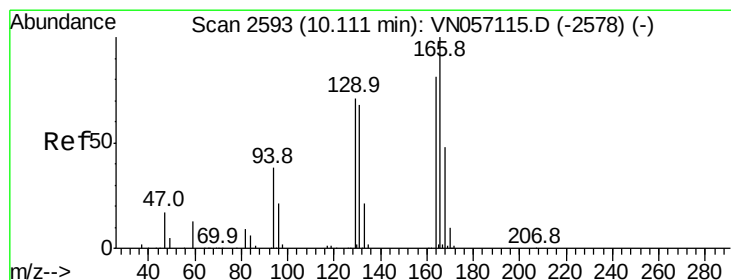
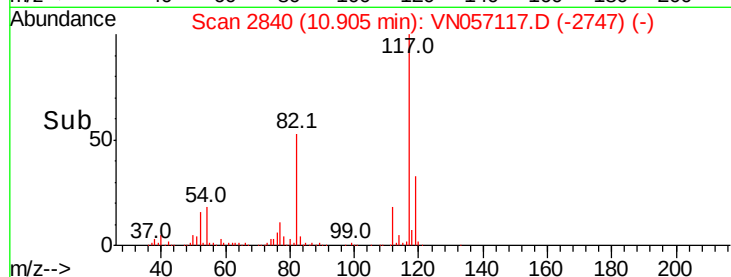
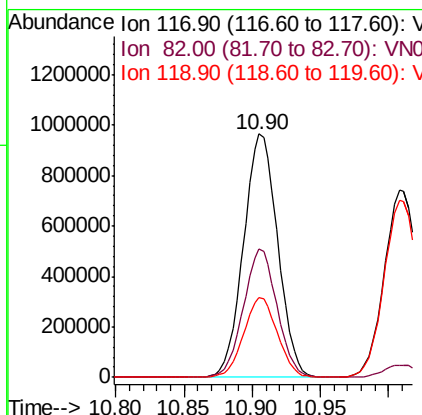
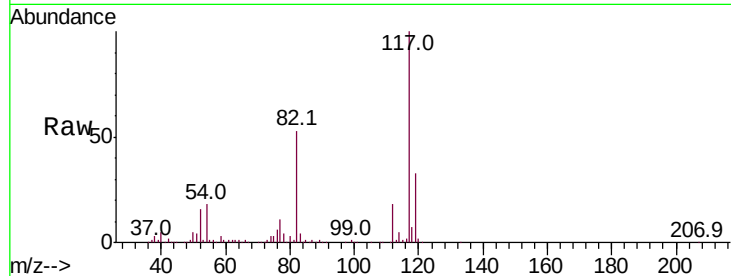
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1675416
Ion Ratio Lower Upper
117 100
82 52.6 40.8 61.2
119 32.8 25.7 38.5

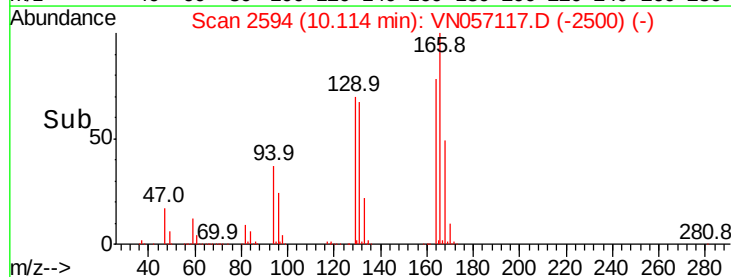
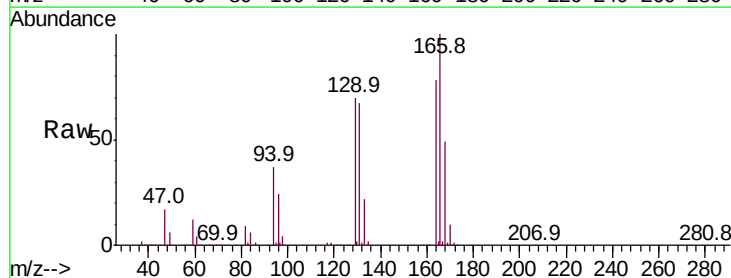
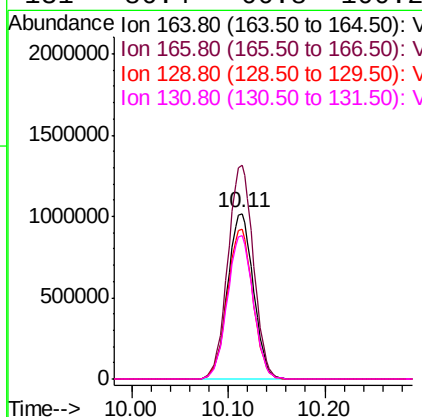
Manual Integrations
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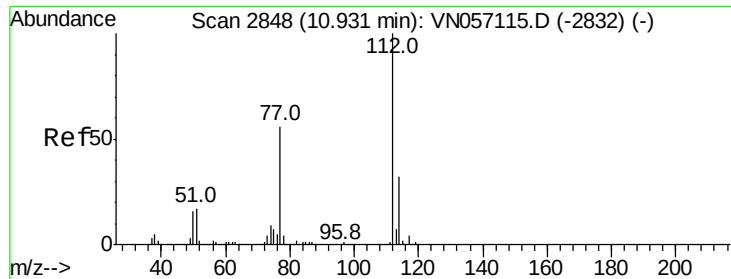
MMDadoda
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#64
Tetrachloroethene
Concen: 133.529 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion:164 Resp: 1882076
Ion Ratio Lower Upper
164 100
166 129.0 98.3 147.5
129 90.2 69.8 104.6
131 86.4 66.8 100.2





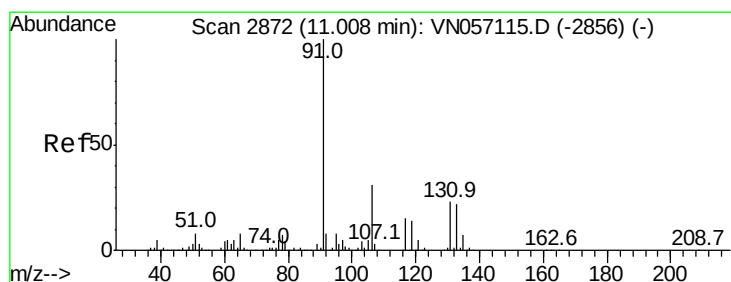
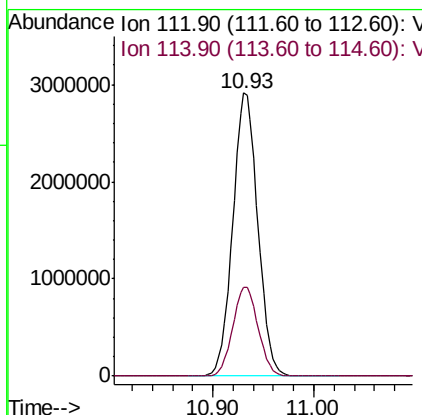
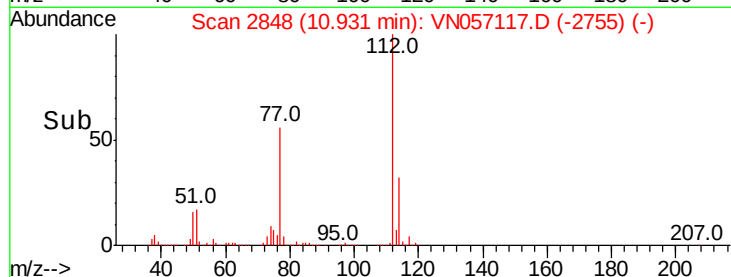
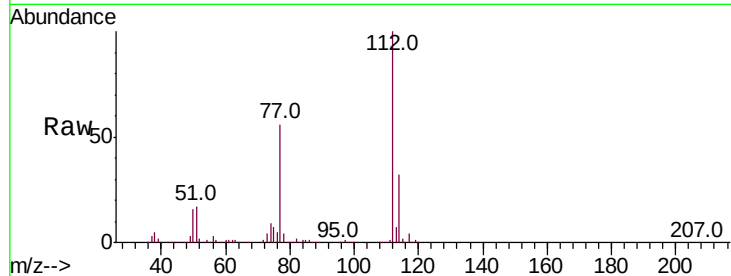
#65
Chlorobenzene
Concen: 148.267 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 5015056
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

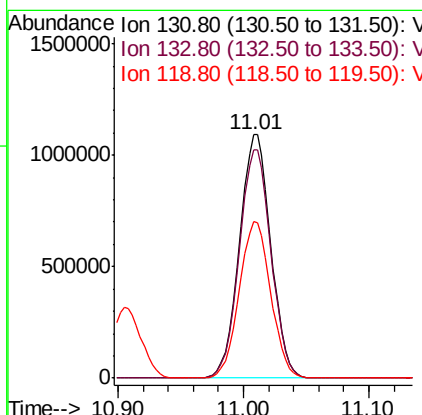
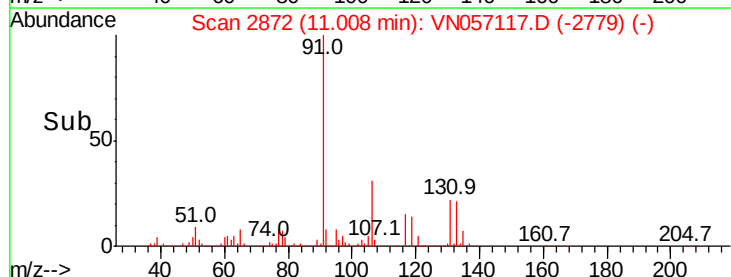
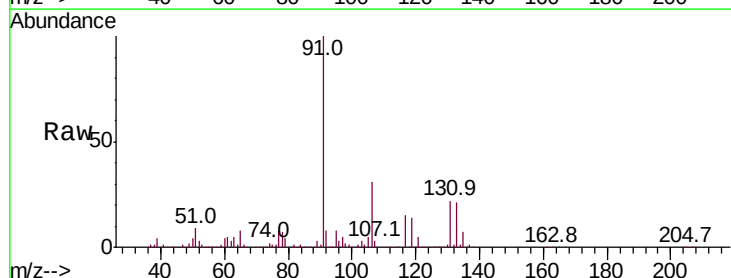
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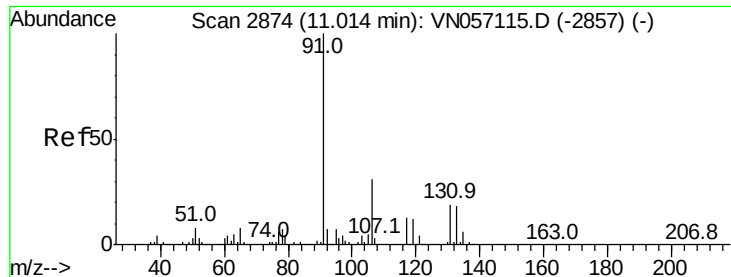
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#66
1,1,1,2-Tetrachloroethane
Concen: 151.883 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion:131 Resp: 1892900
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.8
119 64.7 32.6 97.7





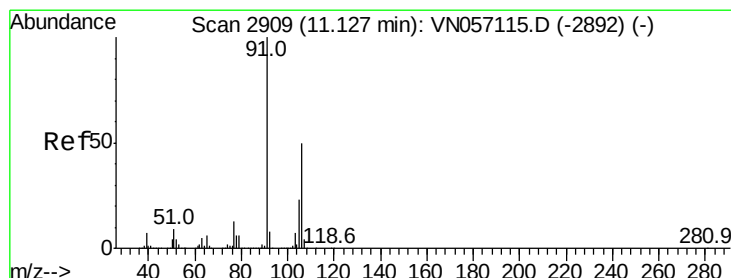
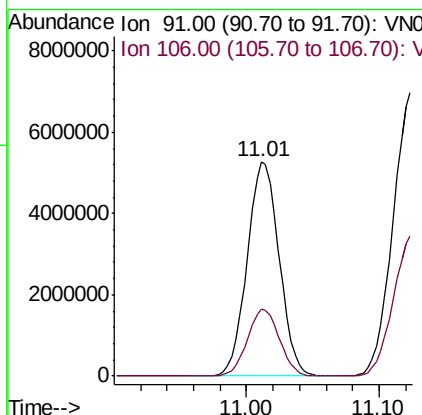
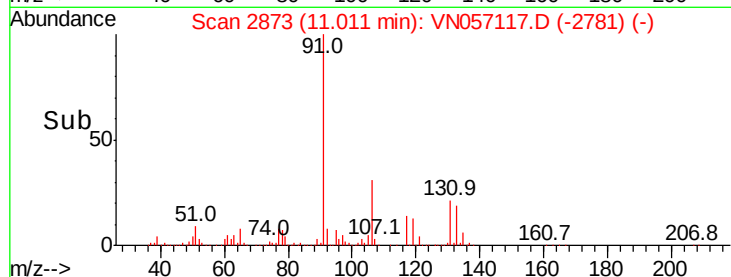
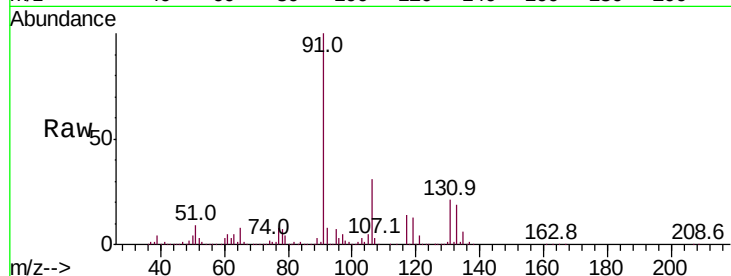
#67
Ethyl Benzene
Concen: 151.229 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 8804956
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

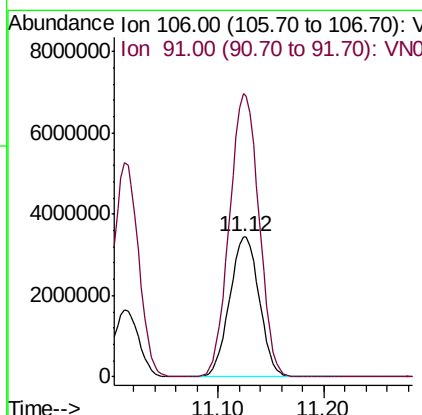
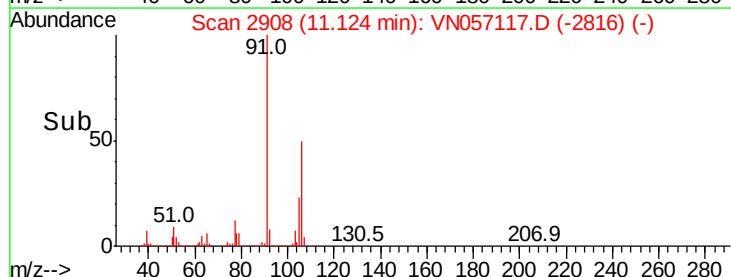
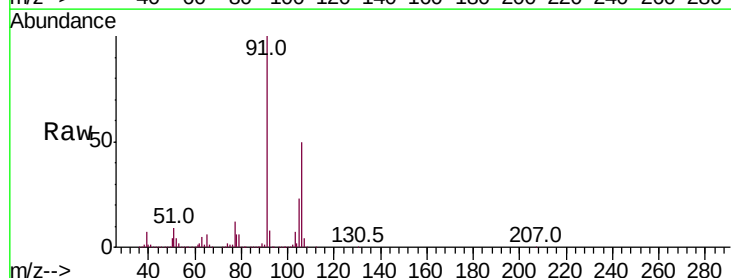
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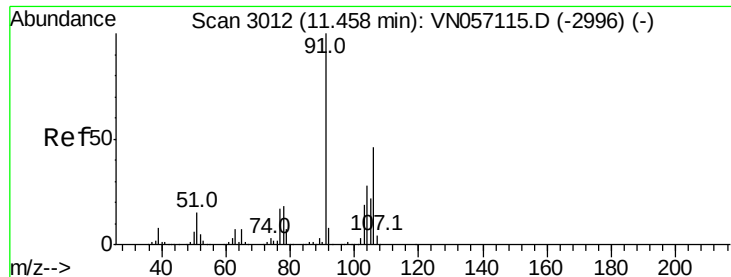
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#68
m/p-Xylenes
Concen: 305.370 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 106 Resp: 6697084
Ion Ratio Lower Upper
106 100
91 201.5 159.8 239.8





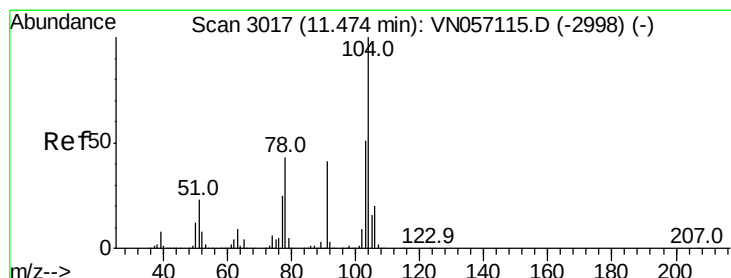
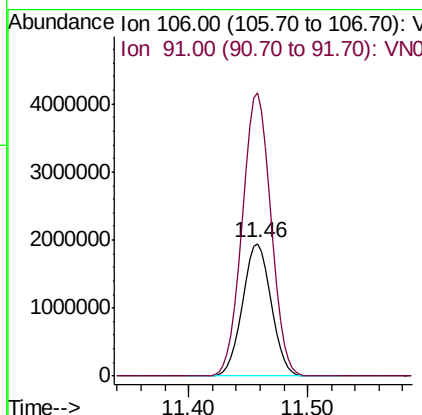
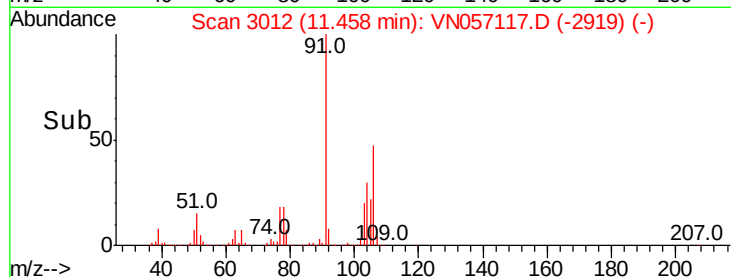
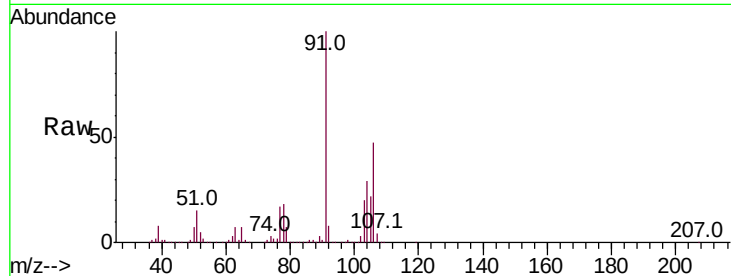
#69
o-Xylene
Concen: 151.296 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 3259668
Ion Ratio Lower Upper
106 100
91 213.2 106.8 320.5

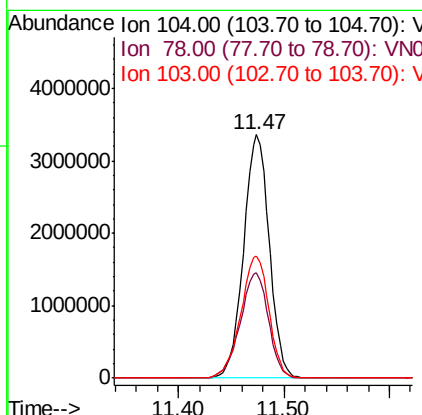
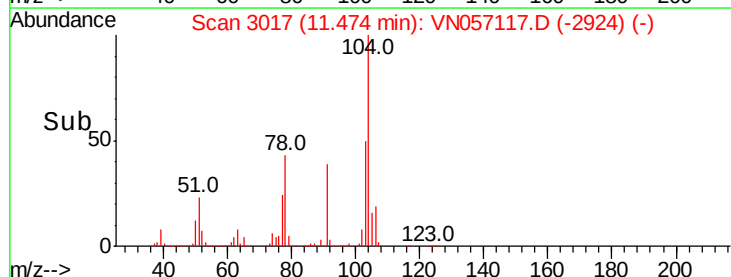
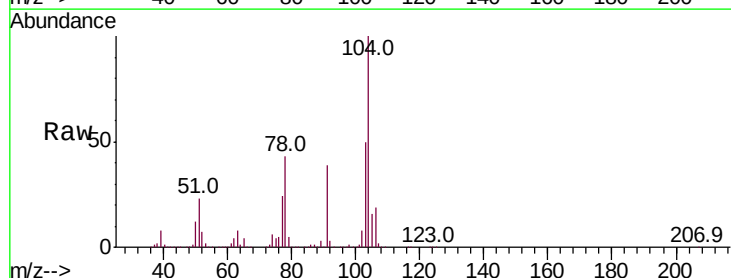
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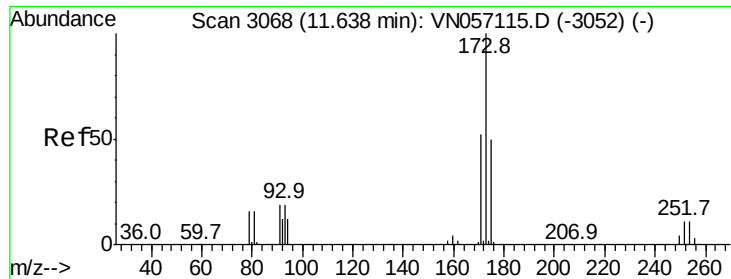
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#70
Styrene
Concen: 165.404 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion:104 Resp: 5682867
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 54.8 44.6 66.8





#71

Bromoform

Concen: 176.467 ug/l

RT: 11.64 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1553485

Ion Ratio Lower Upper

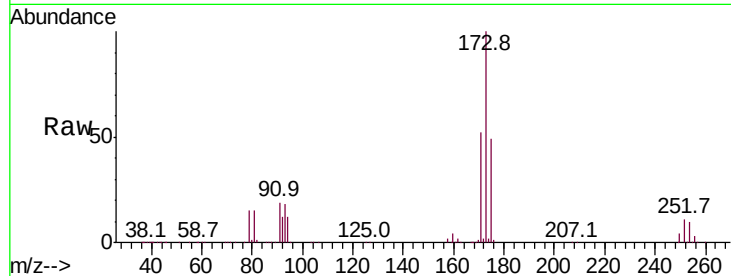
173 100

175 48.7 24.6 73.8

254 0.1 0.1 0.1#

Manual Integrations
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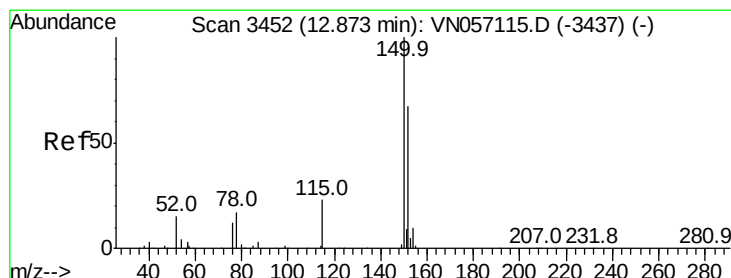
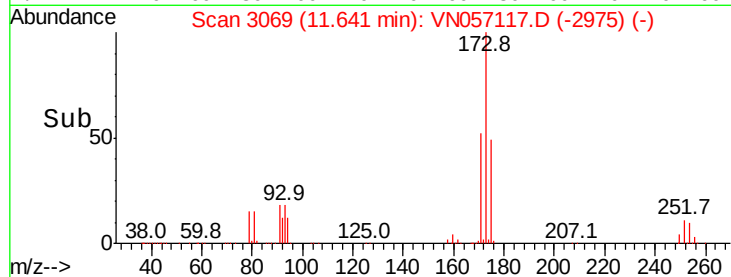
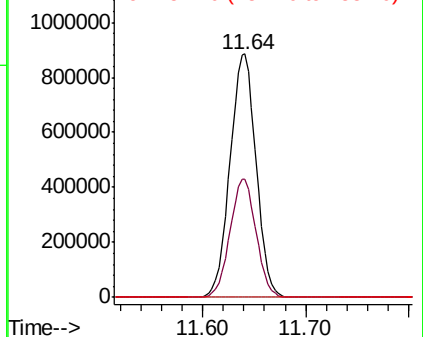
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

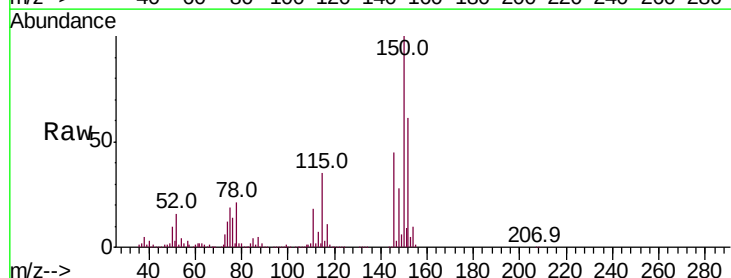
Tgt Ion:152 Resp: 754143

Ion Ratio Lower Upper

152 100

115 56.3 27.5 82.5

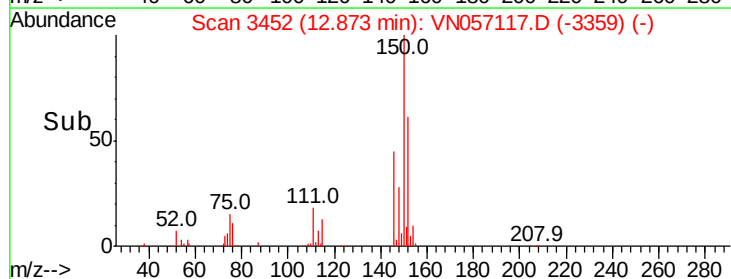
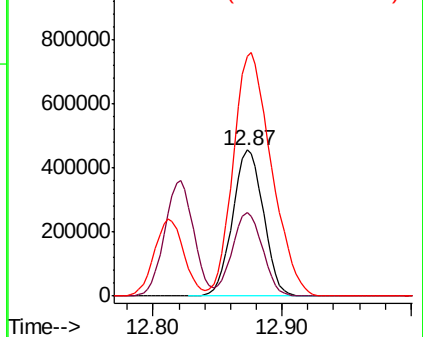
150 206.8 0.0 341.6

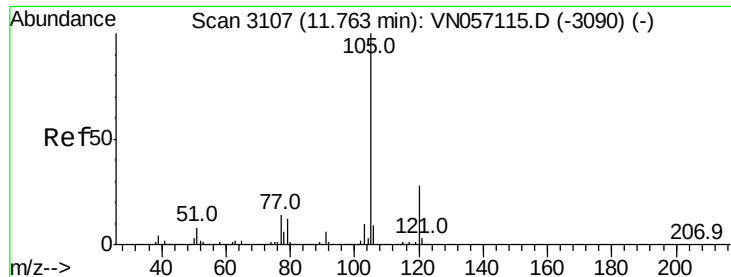


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 144.085 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 8827260

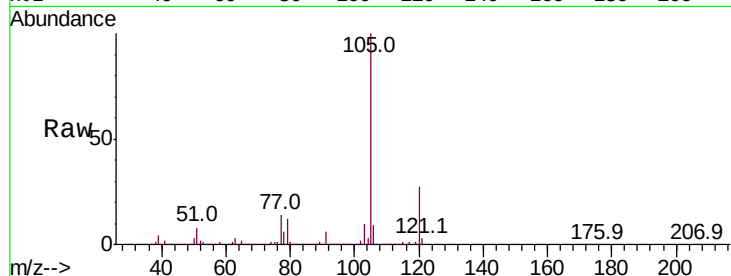
Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.0

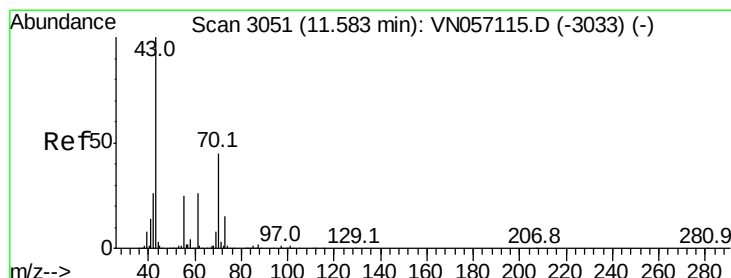
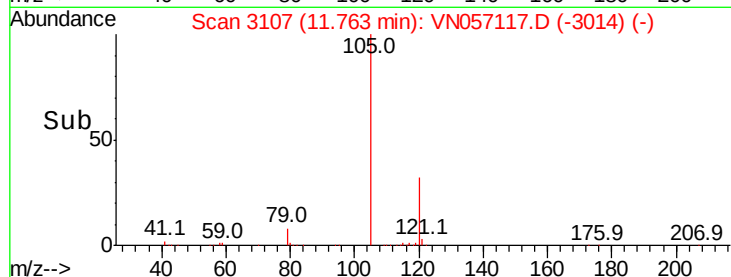
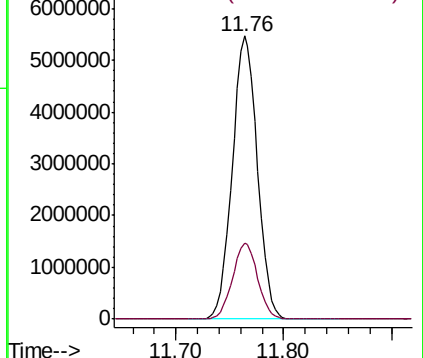
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 151.680 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tgt Ion: 43 Resp: 2727092

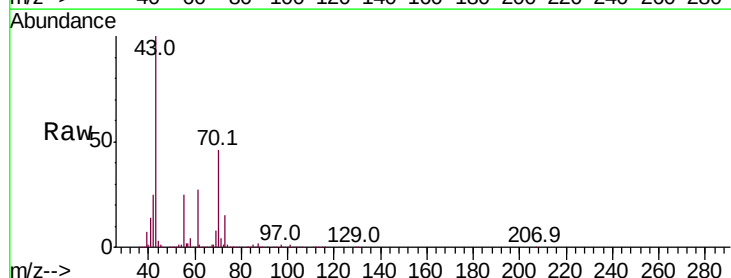
Ion Ratio Lower Upper

43 100

70 46.2 36.8 55.2

55 25.2 20.6 31.0

61 26.7 21.0 31.4

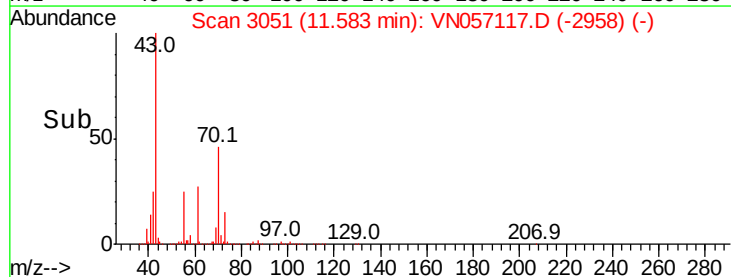
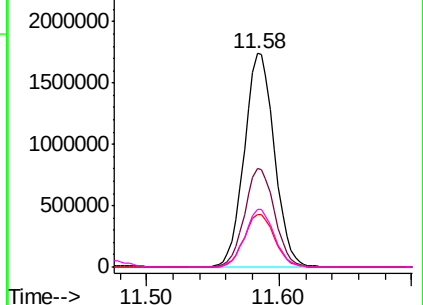


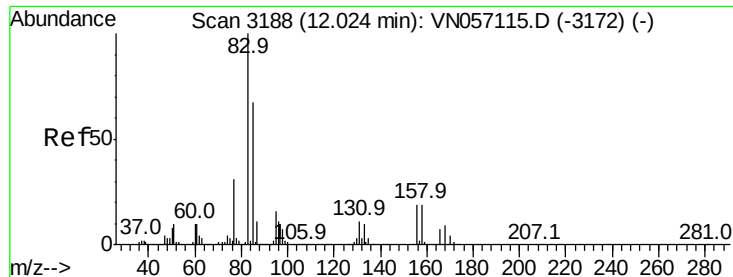
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 133.117 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2293992

Ion Ratio Lower Upper

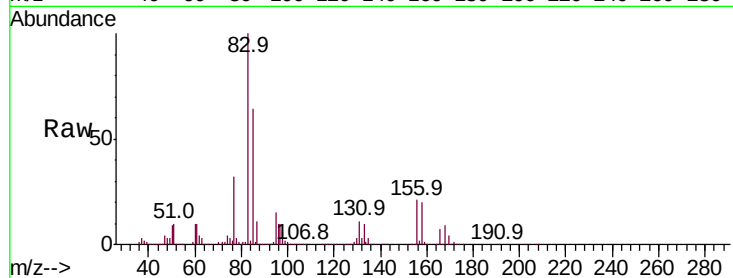
83 100

131 11.0 5.5 16.4

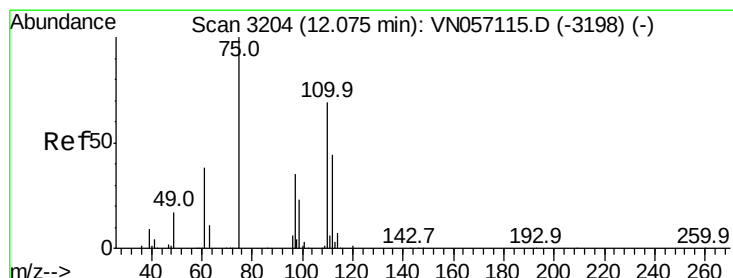
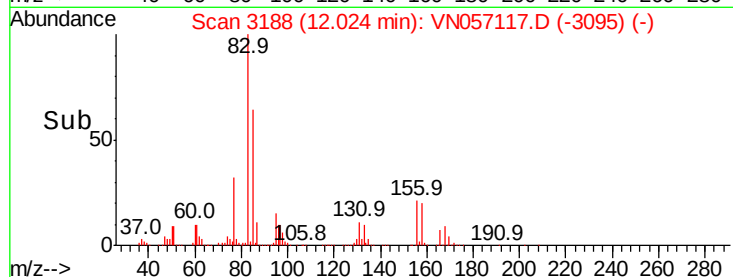
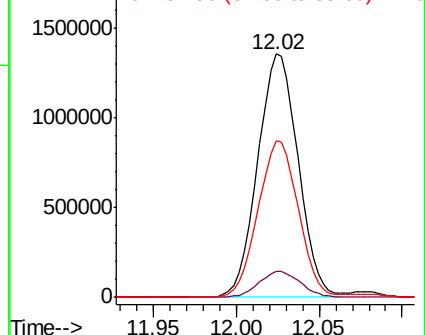
85 64.3 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 147.702 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN057117.D

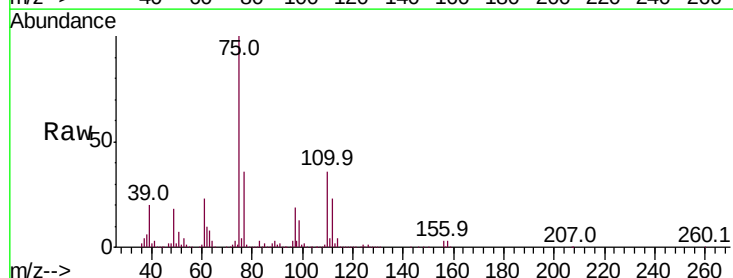
Acq: 7 Aug 2019 20:58

Tgt Ion: 75 Resp: 2102884

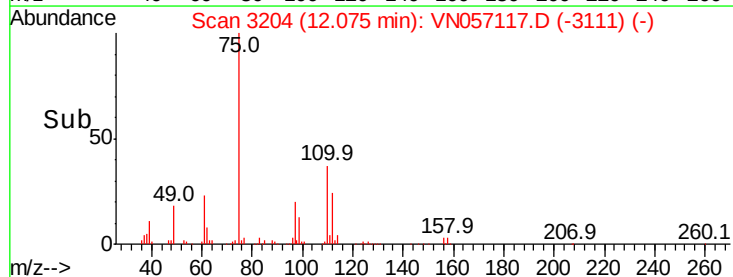
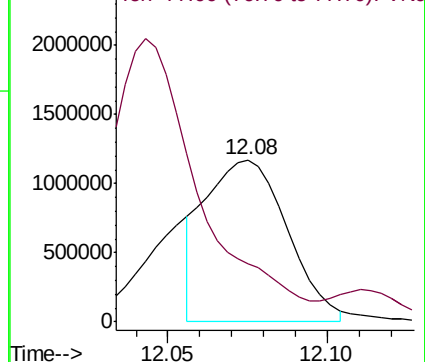
Ion Ratio Lower Upper

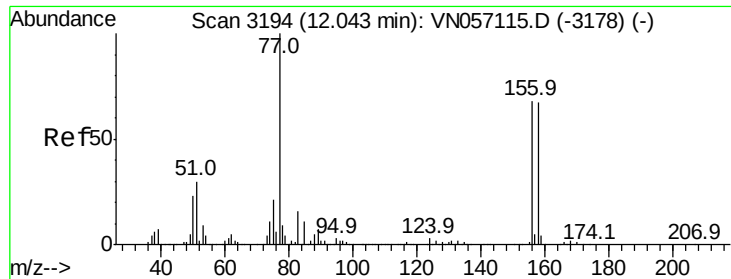
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 144.684 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 2360524

Ion Ratio Lower Upper

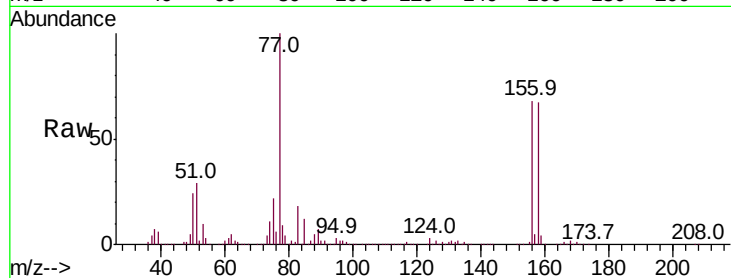
156 100

77 176.9 88.7 266.1

158 97.8 49.3 147.8

Manual Integrations
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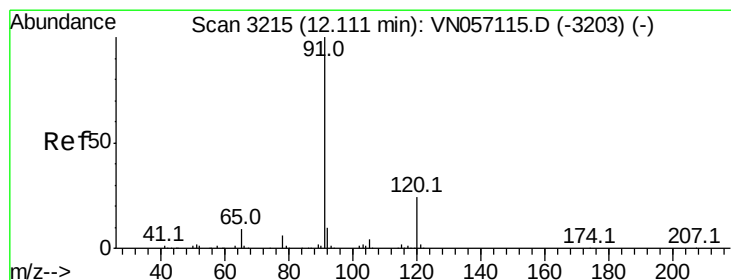
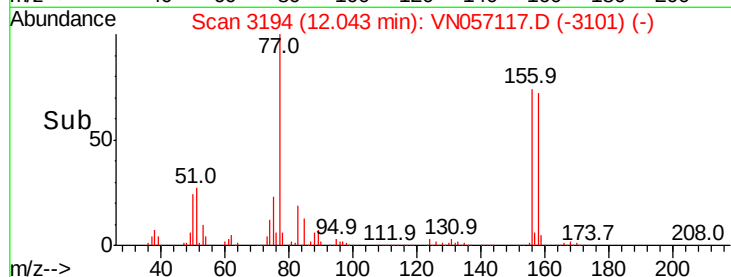
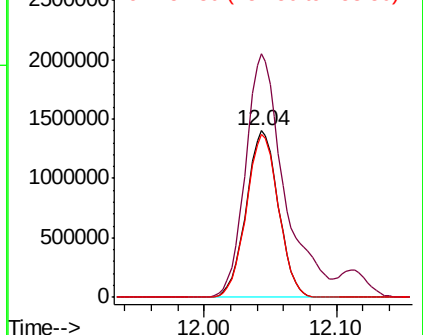
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 158.524 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. -0.00 min

Lab File: VN057117.D

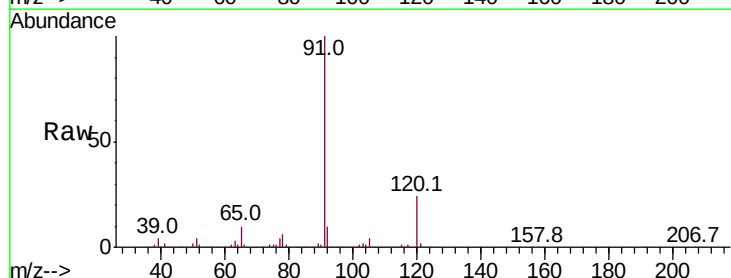
Acq: 7 Aug 2019 20:58

Tgt Ion: 91 Resp: 9960095

Ion Ratio Lower Upper

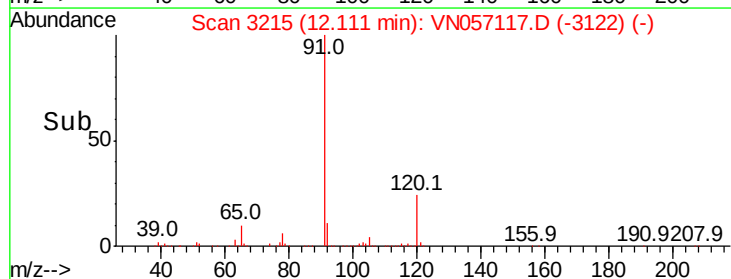
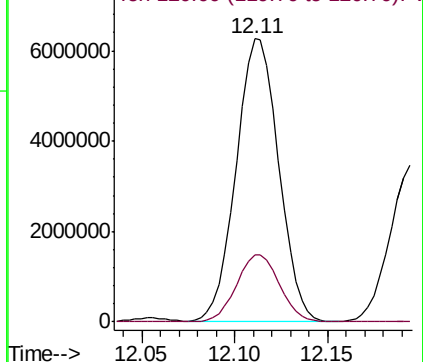
91 100

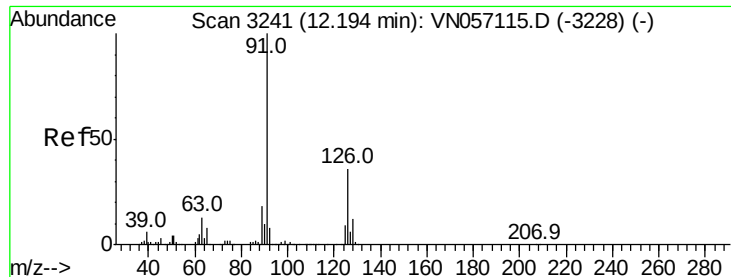
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.340 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 5882657

Ion Ratio Lower Upper

91 100

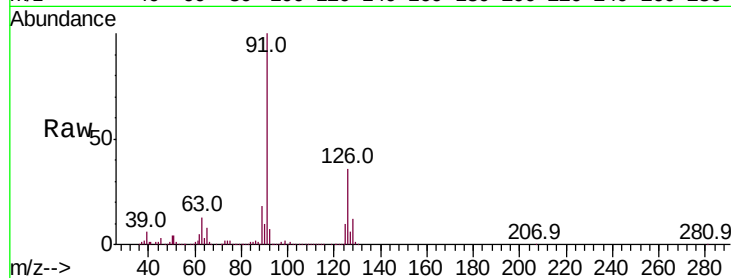
126 35.9 18.1 54.3

Manual Integrations

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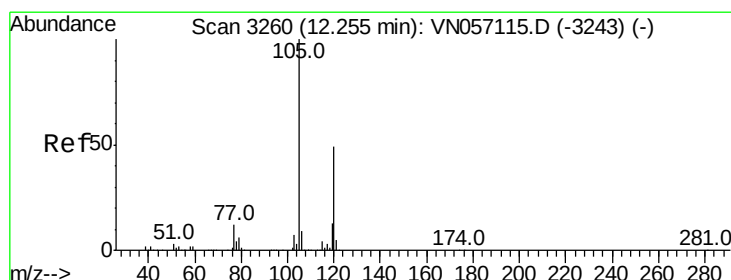
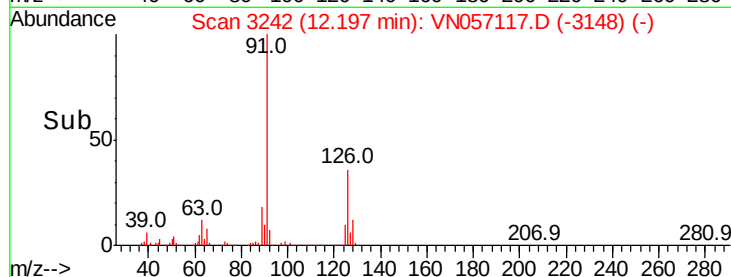
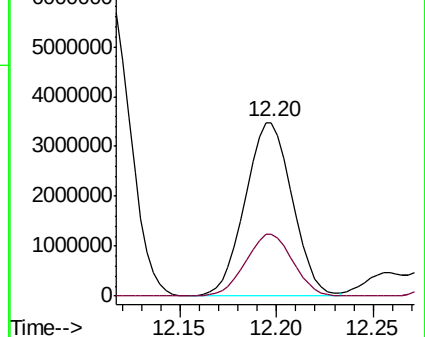
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Abundance Ion 91.00 (90.70 to 91.70): VN057117.D (-3241) (-)

Ion 125.90 (125.60 to 126.60): VN057117.D (-3241) (-)



#80

1,3,5-Trimethylbenzene

Concen: 147.714 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057117.D

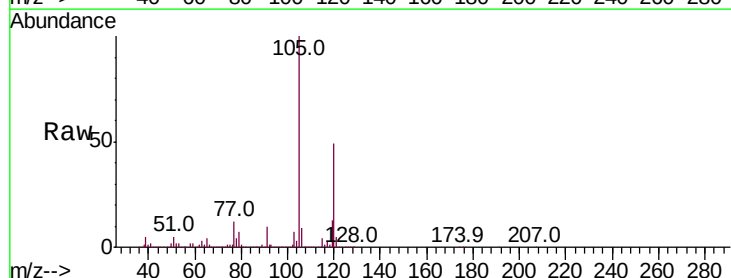
Acq: 7 Aug 2019 20:58

Tgt Ion:105 Resp: 7558272

Ion Ratio Lower Upper

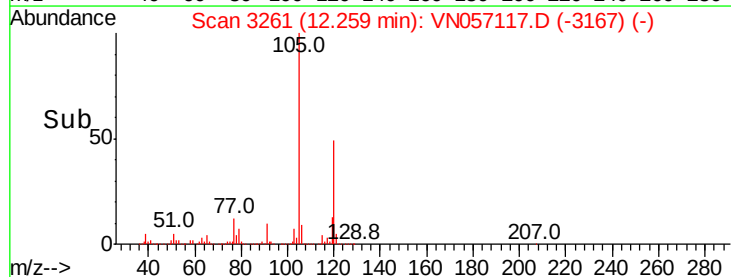
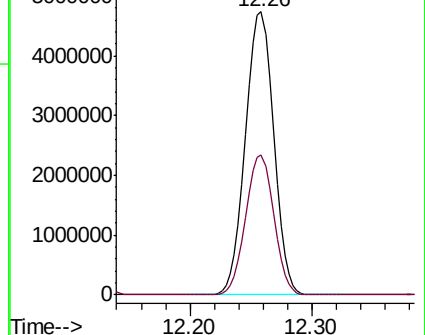
105 100

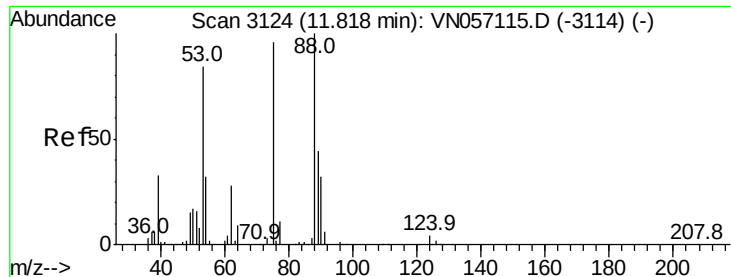
120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057117.D (-3260) (-)

Ion 120.00 (119.70 to 120.70): VN057117.D (-3260) (-)





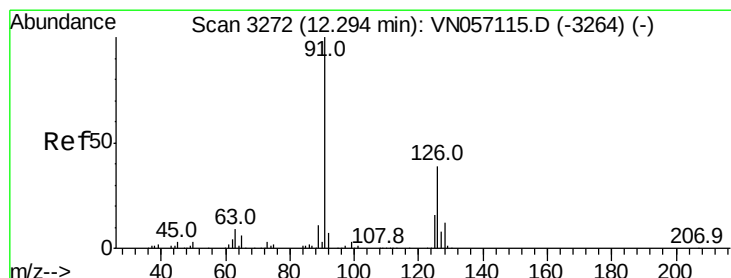
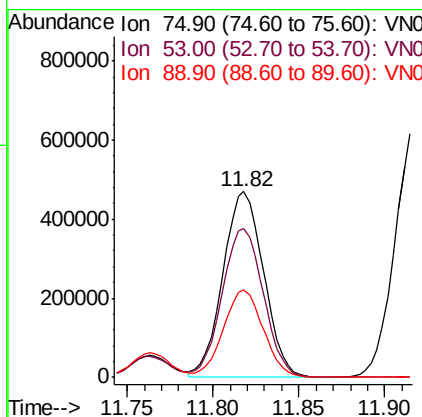
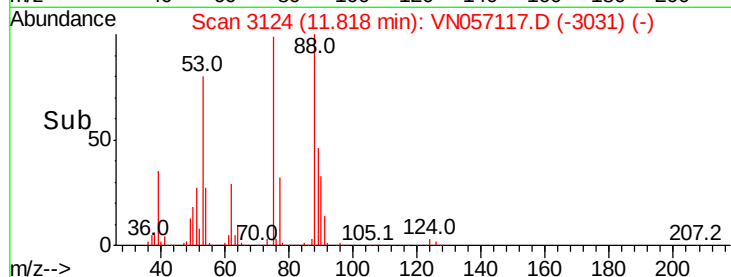
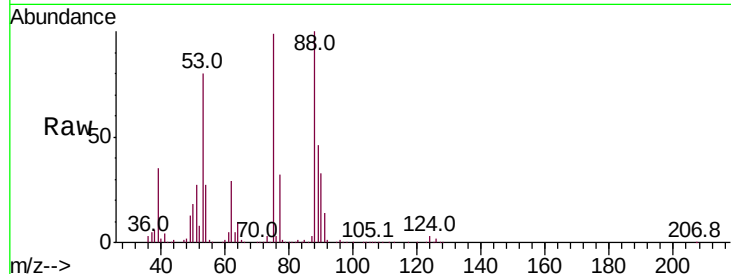
#81
trans-1,4-Dichloro-2-butene
Concen: 170.348 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	70.6	106.0
89	46.7	36.4	54.6

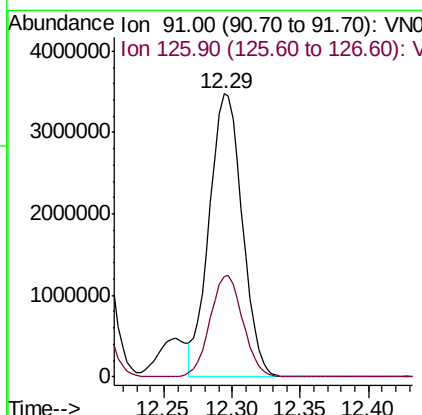
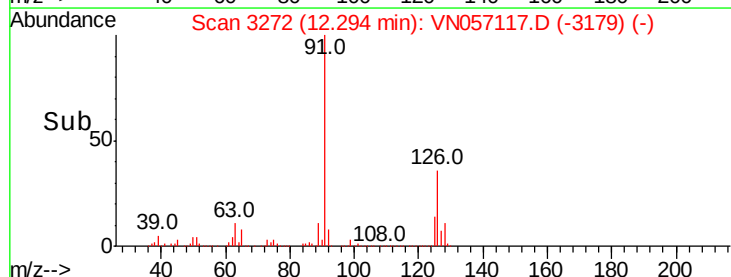
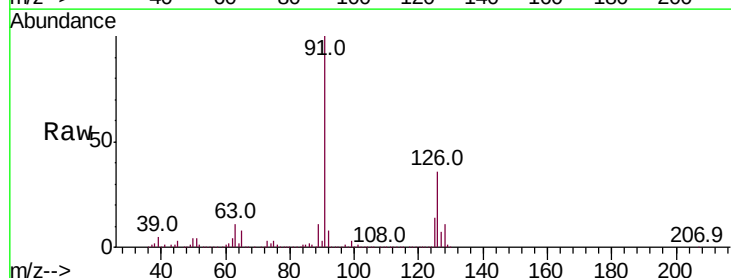
Manual Integrations
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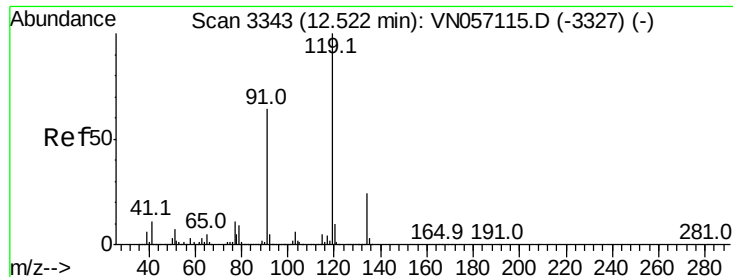
MMDadoda
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#82
4-Chlorotoluene
Concen: 154.993 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.7





#83

tert-Butylbenzene

Concen: 147.409 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

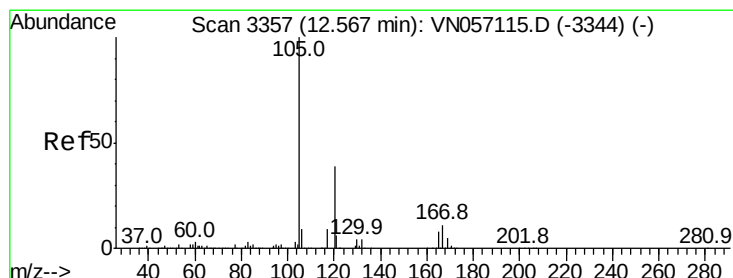
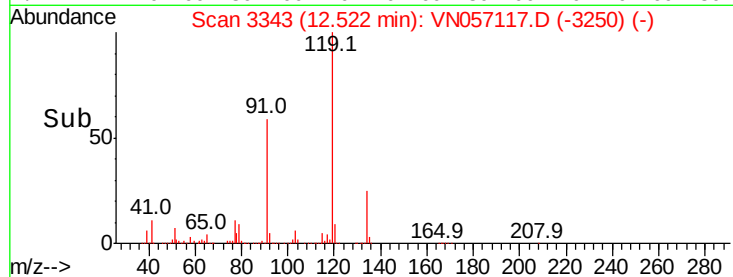
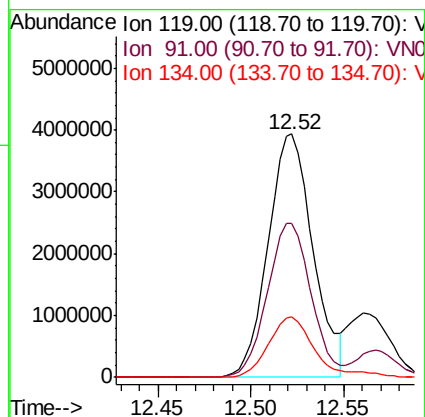
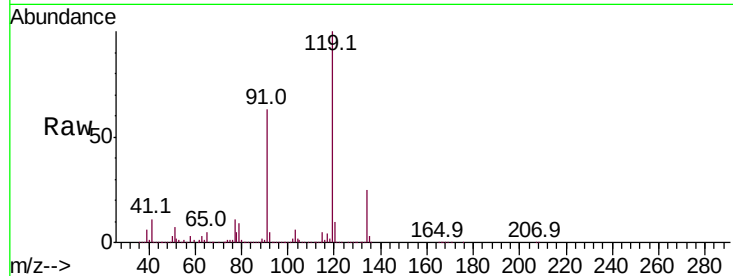
ClientSampled :

VSTDIC150

Tot Ion:	119	Resp:	6666460
Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.4	94.2
134	25.7	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 149.346 ug/l

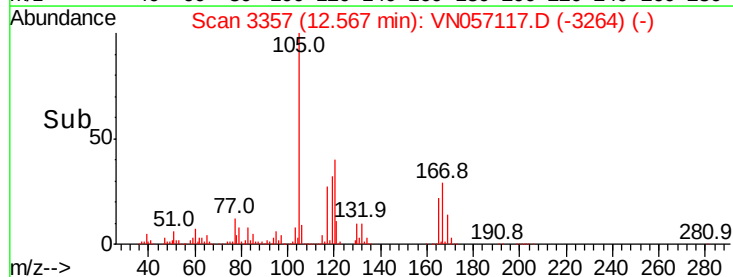
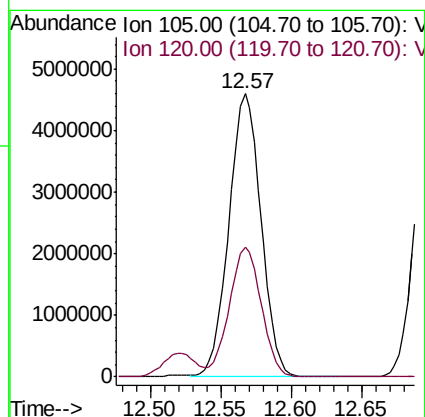
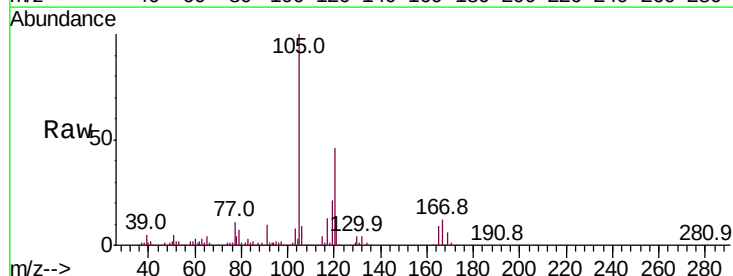
RT: 12.57 min Scan# 3357

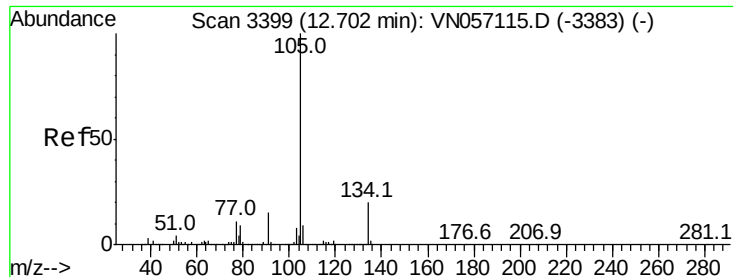
Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tgt Ion:	105	Resp:	7306392
Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.3	69.8





#85

sec-Butylbenzene

Concen: 154.790 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 8641266

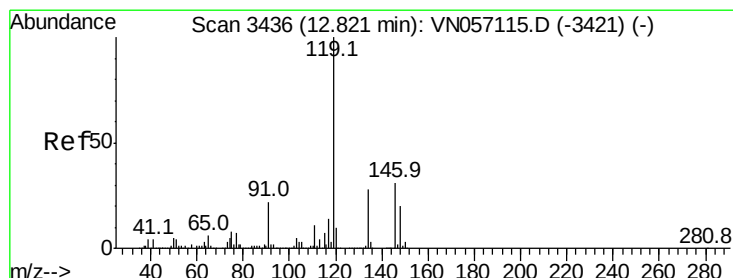
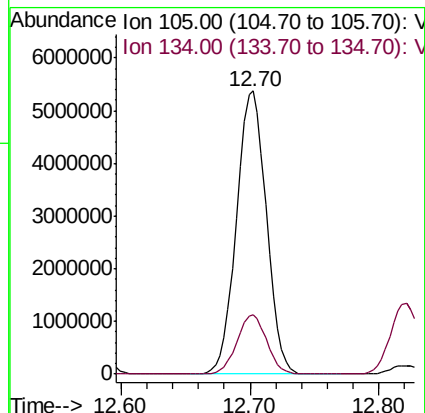
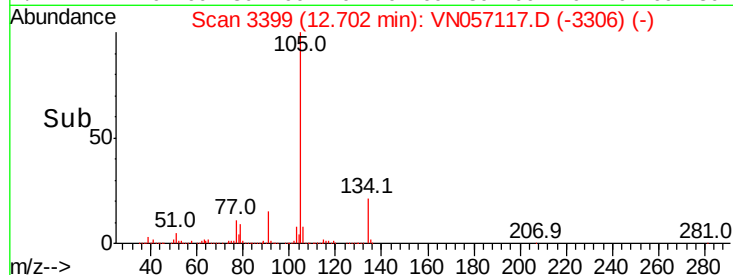
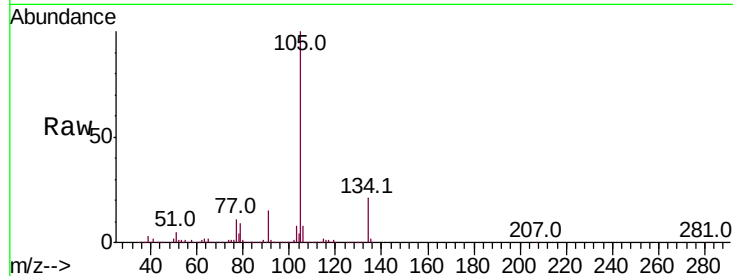
Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 159.264 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

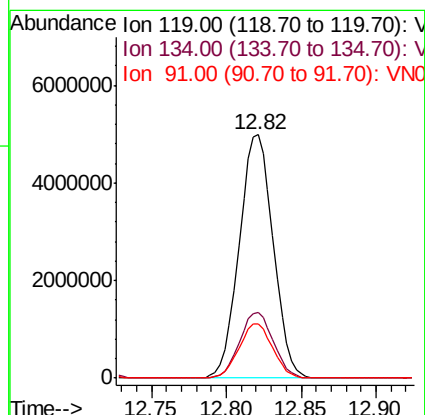
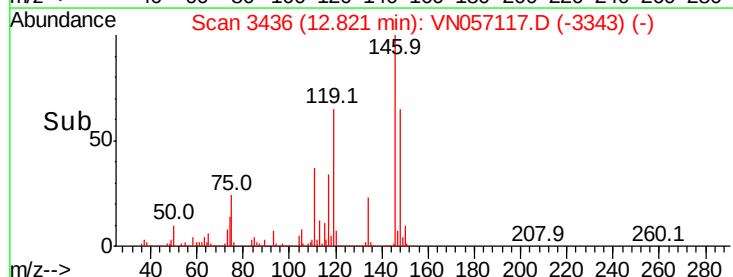
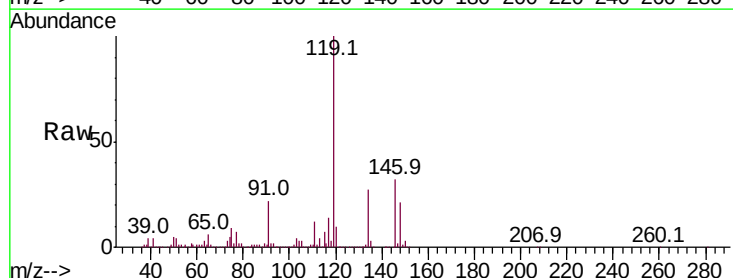
Tgt Ion:119 Resp: 7858196

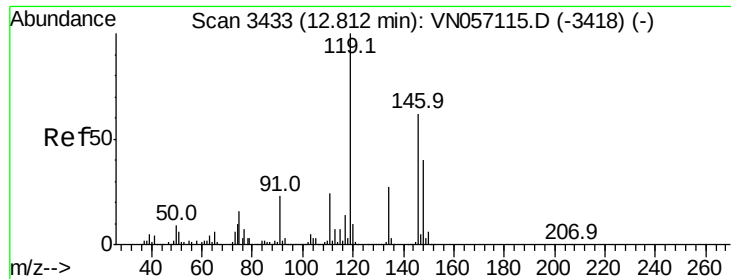
Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

91 22.0 11.0 33.0





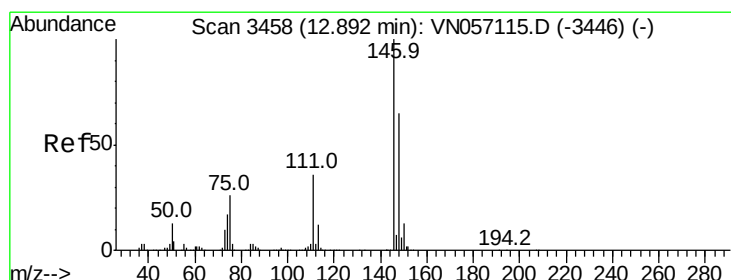
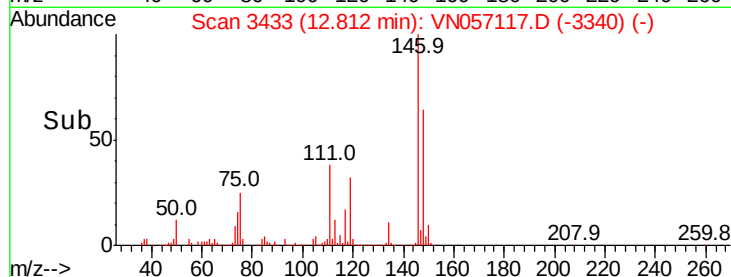
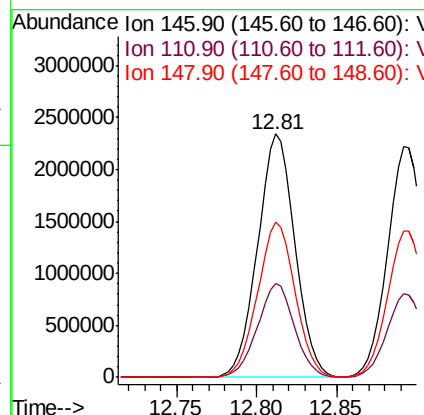
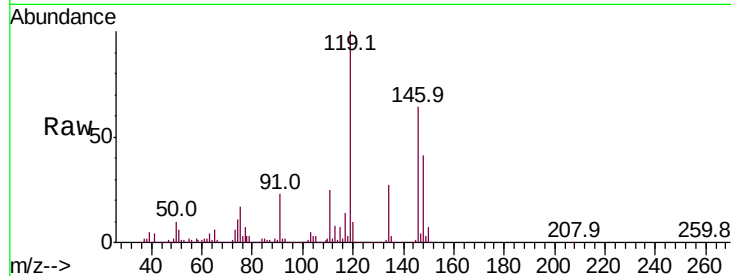
#87
 1,3-Dichlorobenzene
 Concen: 148.552 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.2	32.4	97.0

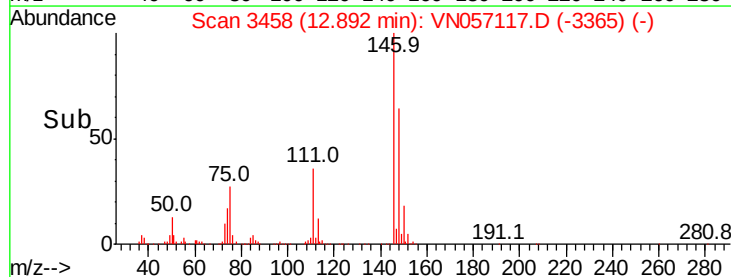
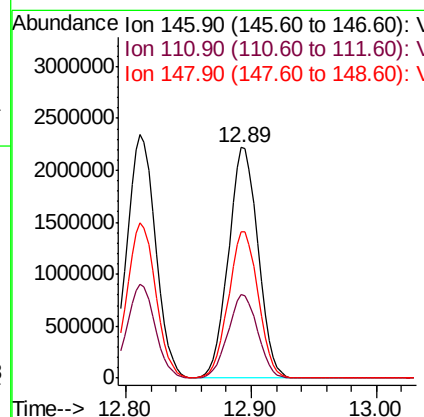
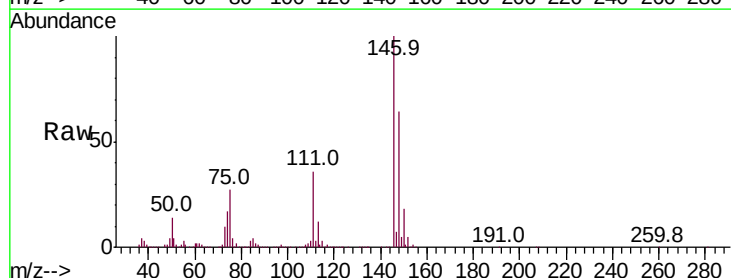
Manual Integrations
 APPROVED

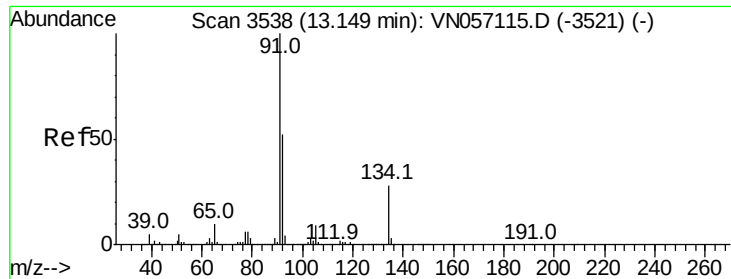
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#88
 1,4-Dichlorobenzene
 Concen: 149.761 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.2	54.6
148	64.0	32.0	96.2





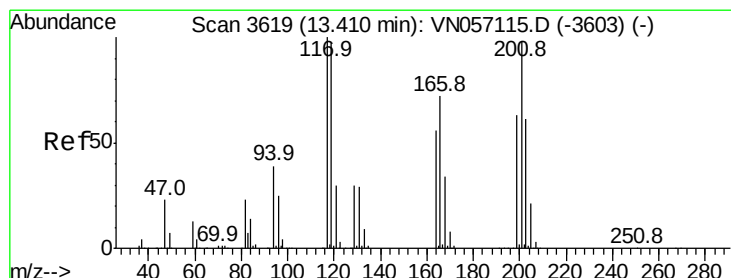
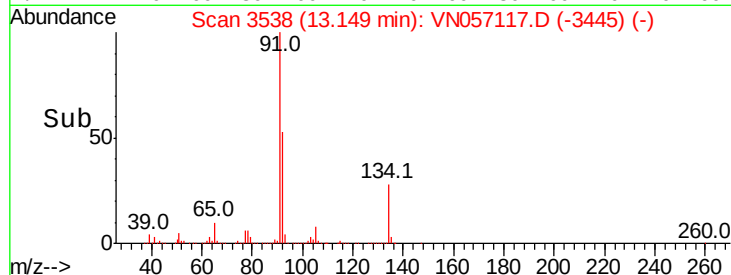
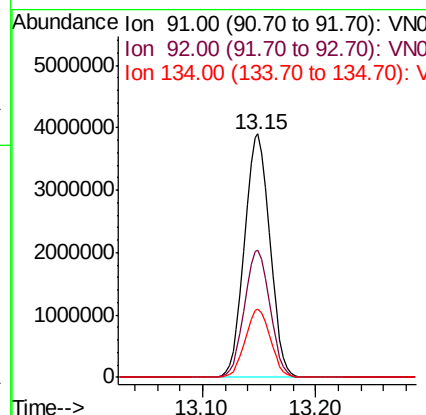
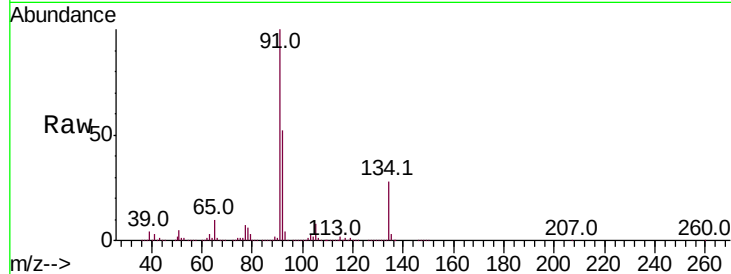
#89
n-Butylbenzene
Concen: 161.689 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 6097418
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.4
134 28.0 14.1 42.3

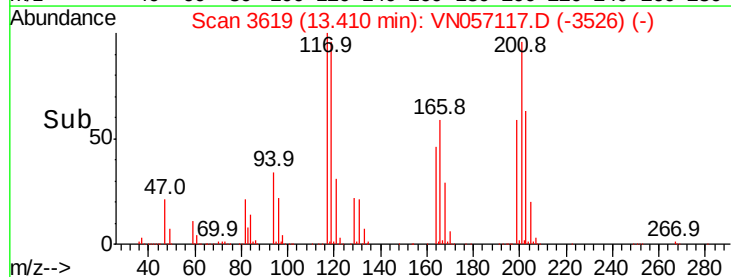
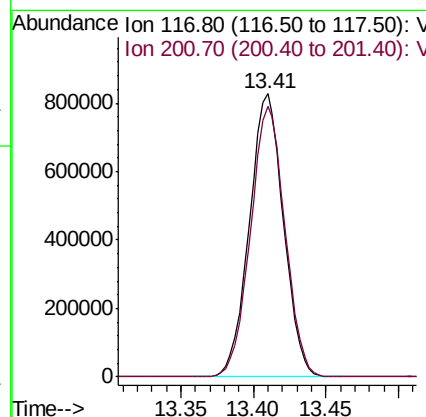
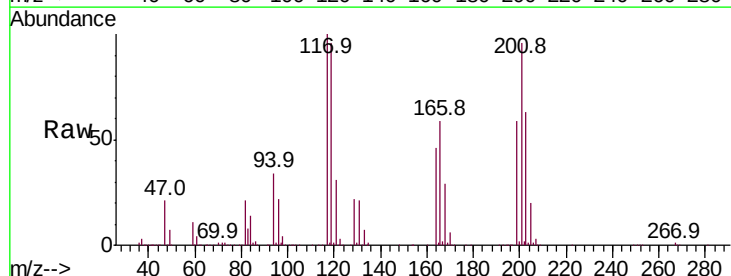
Manual Integrations
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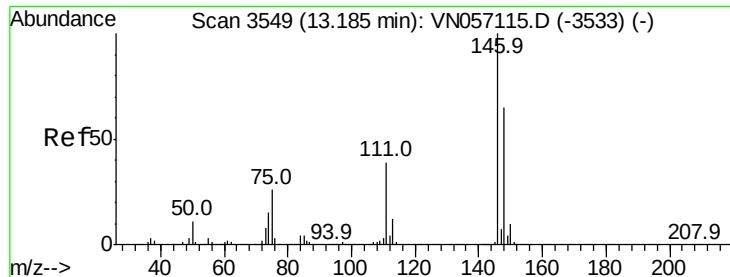
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#90
Hexachloroethane
Concen: 158.605 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VN057117.D
Acq: 7 Aug 2019 20:58

Tgt Ion: 117 Resp: 1355983
Ion Ratio Lower Upper
117 100
201 96.3 49.3 147.8





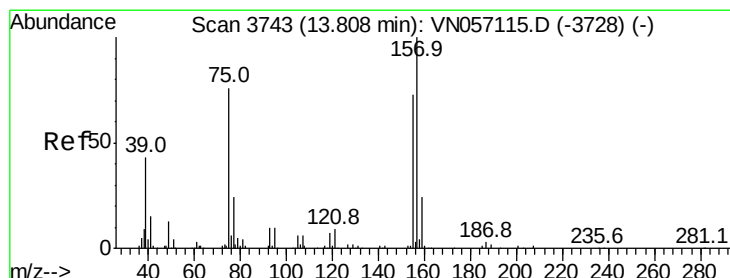
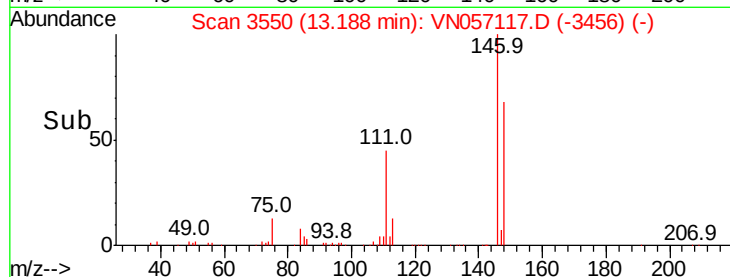
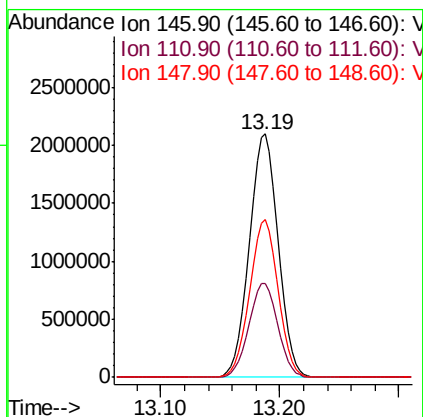
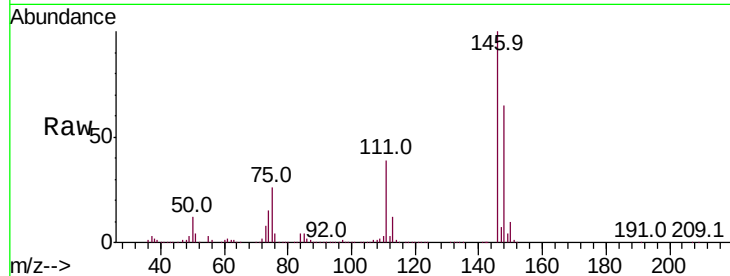
#91
 1,2-Dichlorobenzene
 Concen: 140.401 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	64.0	32.4	97.0

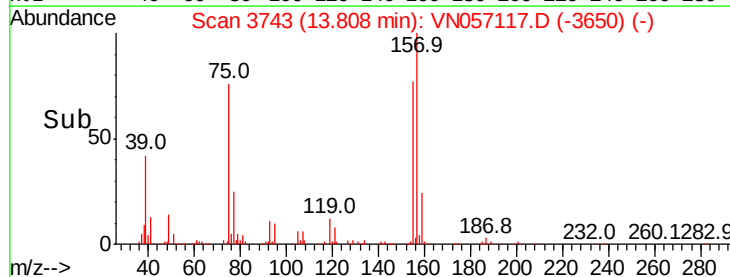
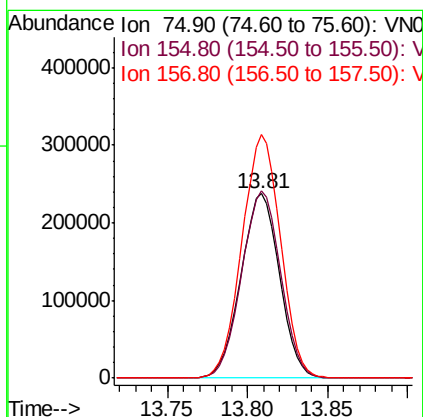
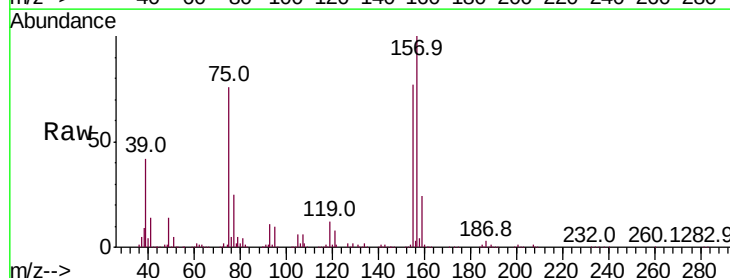
Manual Integrations
 APPROVED

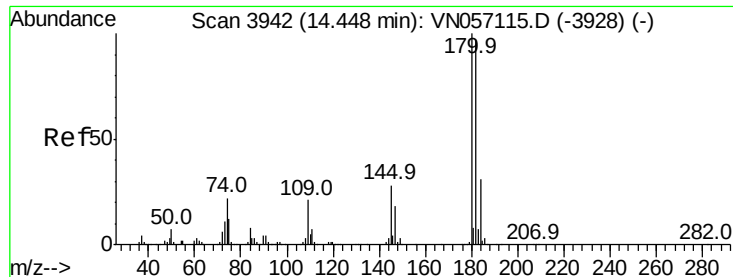
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.343 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	49.3	147.9
157	132.1	65.3	195.8





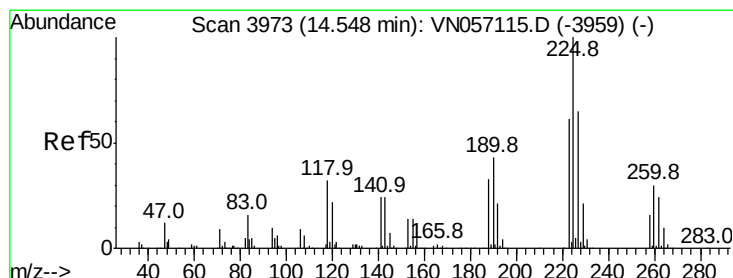
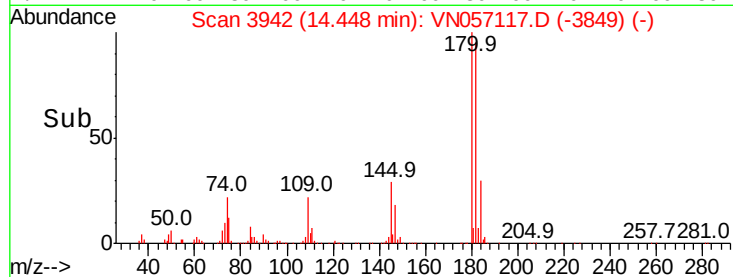
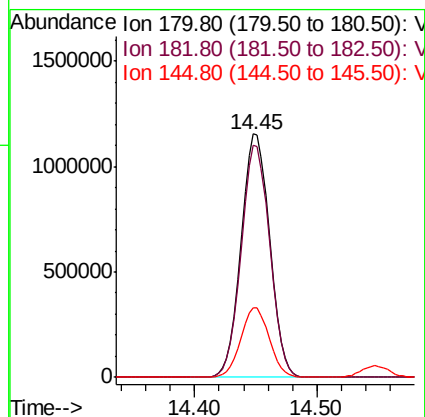
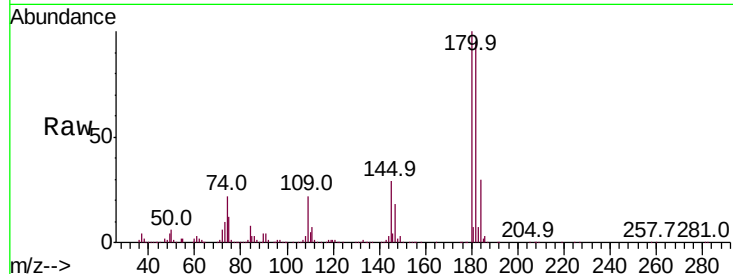
#93
 1,2,4-Trichlorobenzene
 Concen: 165.615 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	28.5	14.1	42.2

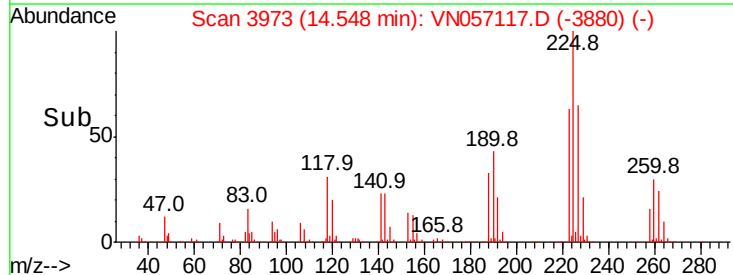
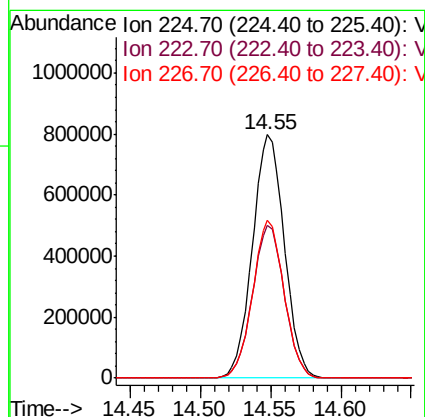
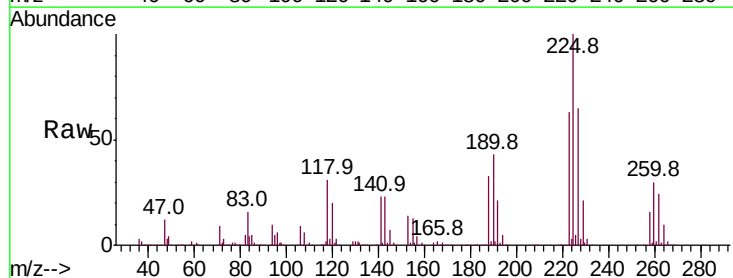
Manual Integrations
 APPROVED

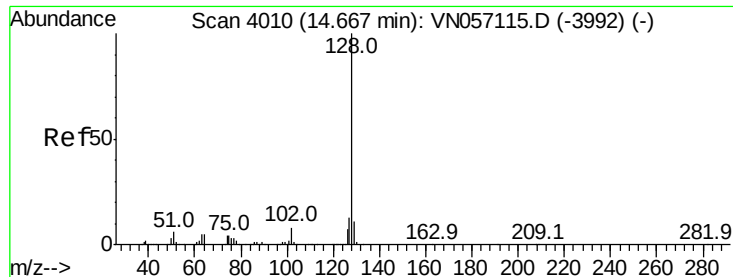
MMDadoda
 8/8/2019 2:40:39 PM



#94
 Hexachlorobutadiene
 Concen: 126.213 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VN057117.D
 Acq: 7 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.8
227	63.8	32.4	97.0





#95

Naphthalene

Concen: 199.370 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Instrument :

MSVOA_N

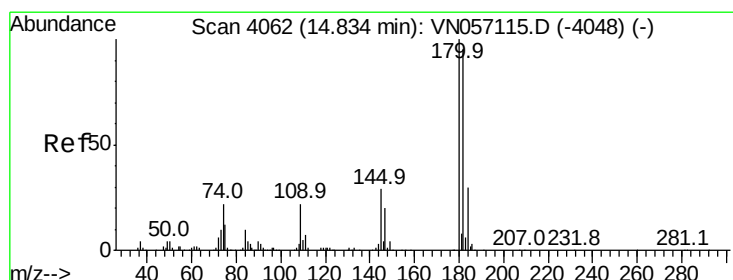
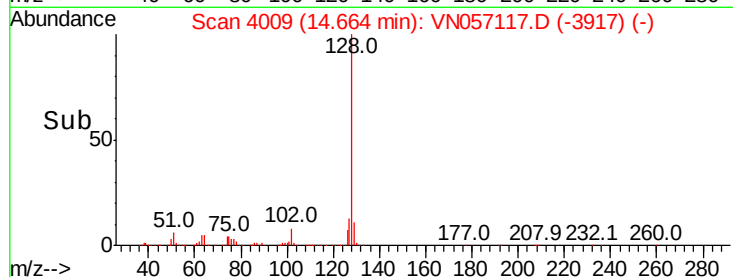
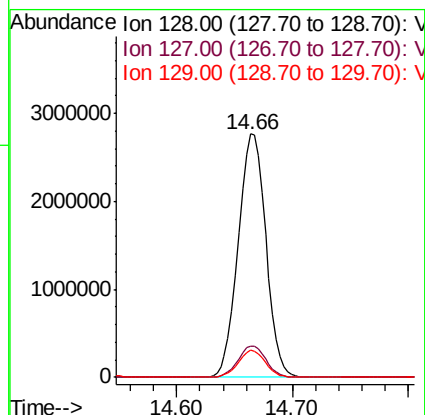
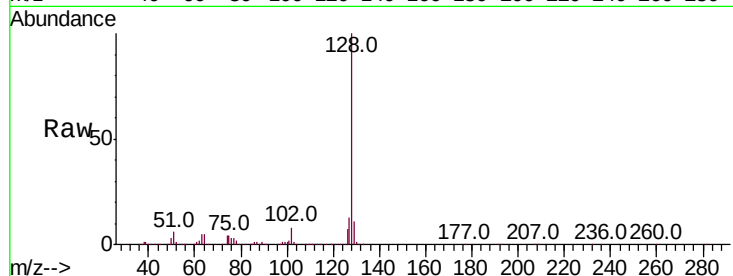
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	4563415
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2019 2:40:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 166.043 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057117.D

Acq: 7 Aug 2019 20:58

Tgt Ion:	180	Resp:	1912448
Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.8
145	29.6	14.9	44.5

