

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057113.D
 Acq On : 7 Aug 2019 19:18
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:20 PM

Quant Time: Aug 08 05:23:14 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	1208341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1801002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1523155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	418065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	62501	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
35) Dibromofluoromethane	6.99	113	55589	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	9.56	98	208389	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	11.92	95	56053	4.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	54243	5.762	ug/l	99
3) Chloromethane	2.00	50	69268	5.498	ug/l	99
4) Vinyl Chloride	2.11	62	63719	5.293	ug/l	99
5) Bromomethane	2.42	94	46537	6.418	ug/l	95
6) Chloroethane	2.55	64	39739	6.708	ug/l	96
7) Trichlorofluoromethane	2.82	101	92142	5.549	ug/l	96
8) Diethyl Ether	3.14	74	33661	4.970	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	55320	5.262	ug/l	98
10) Methyl Iodide	3.63	142	73047	5.808	ug/l	97
11) Tert butyl alcohol	4.24	59	52942	38.953	ug/l	97
12) 1,1-Dichloroethene	3.43	96	53054	5.035	ug/l	98
13) Acrolein	3.31	56	32589	28.616	ug/l	92
14) Allyl chloride	3.91	41	75615	4.780	ug/l	98
15) Acrylonitrile	4.45	53	122308	27.640	ug/l	99
16) Acetone	3.48	43	97247	25.392	ug/l	97
17) Carbon Disulfide	3.72	76	128655	4.991	ug/l	96
18) Methyl Acetate	3.90	43	68959	5.204	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	155147	5.028	ug/l	97
20) Methylene Chloride	4.09	84	62055	5.127	ug/l	94
21) trans-1,2-Dichloroethene	4.50	96	57773	5.204	ug/l	99
22) Diisopropyl ether	5.32	45	167819	5.052	ug/l	96
23) Vinyl Acetate	5.26	43	611241	24.640	ug/l	100
24) 1,1-Dichloroethane	5.24	63	104330	5.102	ug/l	95
25) 2-Butanone	6.20	43	144564	26.462	ug/l	94
26) 2,2-Dichloropropane	6.21	77	72714	4.665	ug/l #	75
27) cis-1,2-Dichloroethene	6.21	96	67192	5.184	ug/l	94
28) Bromochloromethane	6.59	49	47369	5.235	ug/l	96
29) Tetrahydrofuran	6.60	42	97087	27.317	ug/l	99
30) Chloroform	6.76	83	104325	5.090	ug/l	100
31) Cyclohexane	7.07	56	105776	5.843	ug/l #	88
32) 1,1,1-Trichloroethane	6.98	97	87298	5.109	ug/l	95
36) 1,1-Dichloropropene	7.20	75	75624	4.834	ug/l	99
37) Ethyl Acetate	6.29	43	65810	5.518	ug/l #	98
38) Carbon Tetrachloride	7.18	117	74422	4.938	ug/l	97

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.52	83	91997	5.081	ug/l	94
40) Benzene	7.46	78	244643	5.067	ug/l	98
41) Methacrylonitrile	6.55	41	26106	5.203	ug/l #	84
42) 1,2-Dichloroethane	7.54	62	76893	5.087	ug/l	100
43) Isopropyl Acetate	7.56	43	104800	4.818	ug/l	99
44) Trichloroethene	8.27	130	66385	5.032	ug/l	98
45) 1,2-Dichloropropane	8.56	63	62464	5.003	ug/l	92
46) Dibromomethane	8.65	93	38636	4.969	ug/l	97
47) Bromodichloromethane	8.85	83	72765	4.878	ug/l	99
48) Methyl methacrylate	8.63	41	48640	5.082	ug/l	97
49) 1,4-Dioxane	8.64	88	19727	101.440	ug/l #	95
51) 4-Methyl-2-Pentanone	9.45	43	295526	27.204	ug/l	99
52) Toluene	9.63	92	144589	4.932	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	71650	4.579	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	85745	4.674	ug/l	95
55) 1,1,2-Trichloroethane	10.04	97	58375	5.218	ug/l	97
56) Ethyl methacrylate	9.91	69	72244	4.713	ug/l	97
57) 1,3-Dichloropropane	10.19	76	97802	5.266	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.15	63	119781	21.661	ug/l	100
59) 2-Hexanone	10.24	43	195231	25.050	ug/l	98
60) Dibromochloromethane	10.39	129	55538	4.771	ug/l	99
61) 1,2-Dibromoethane	10.49	107	55850	4.888	ug/l	96
64) Tetrachloroethene	10.11	164	68013	5.308	ug/l	97
65) Chlorobenzene	10.93	112	151388	4.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	57669	5.090	ug/l	96
67) Ethyl Benzene	11.01	91	263935	4.986	ug/l	100
68) m/p-Xylenes	11.12	106	188225	9.441	ug/l	98
69) o-Xylene	11.46	106	95385	4.870	ug/l	99
70) Styrene	11.47	104	133185	4.264	ug/l	99
71) Bromoform	11.64	173	37205	4.649	ug/l #	96
73) Isopropylbenzene	11.76	105	242326	7.135	ug/l	100
74) N-amyl acetate	11.58	43	62217	6.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.02	83	72255	7.563	ug/l	100
76) 1,2,3-Trichloropropane	12.07	75	63679m	8.068	ug/l	
77) Bromobenzene	12.04	156	58714	6.492	ug/l	97
78) n-propylbenzene	12.11	91	230729	6.624	ug/l	98
79) 2-Chlorotoluene	12.19	91	148483	6.663	ug/l	96
80) 1,3,5-Trimethylbenzene	12.26	105	197106	6.949	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.81	75	15142	6.052	ug/l	87
82) 4-Chlorotoluene	12.29	91	128575	6.153	ug/l	97
83) tert-Butylbenzene	12.52	119	183591	7.323	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	184055	6.787	ug/l	98
85) sec-Butylbenzene	12.70	105	219212	7.083	ug/l	99
86) p-Isopropyltoluene	12.82	119	182163	6.660	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	73052	5.230	ug/l	98
88) 1,4-Dichlorobenzene	12.89	146	67980	5.061	ug/l	95
89) n-Butylbenzene	13.15	91	117803	5.635	ug/l	98
90) Hexachloroethane	13.41	117	32166	6.787	ug/l	96
91) 1,2-Dichlorobenzene	13.18	146	72953	5.260	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.81	75	6496	4.788	ug/l	92

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MSVOA_N
ClientSampleId :
VSTDICC005

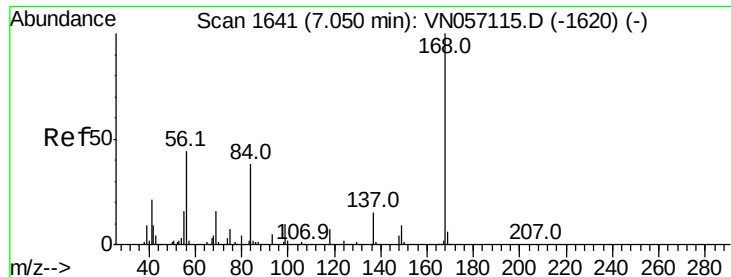
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 08 04:56:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	14457	2.319	ug/l	99
94) Hexachlorobutadiene	14.55	225	37227	6.713	ug/l	99
95) Naphthalene	14.66	128	34608	2.727	ug/l	97
96) 1,2,3-Trichlorobenzene	14.83	180	17699	2.772	ug/l	92

(#) = 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: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 1208341

Ion Ratio Lower Upper

168 100

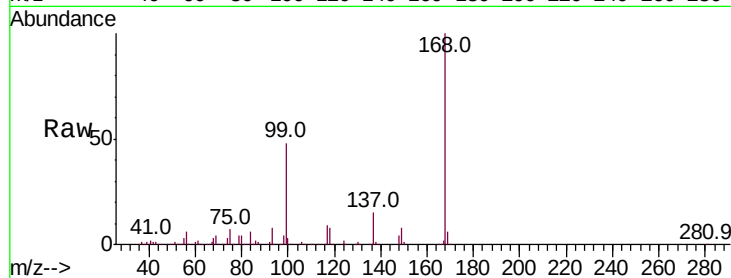
99 48.3 38.6 57.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

500000

400000

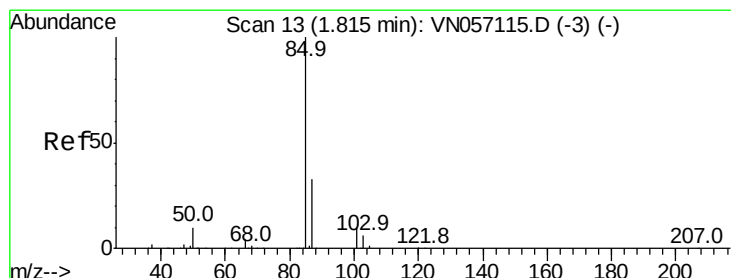
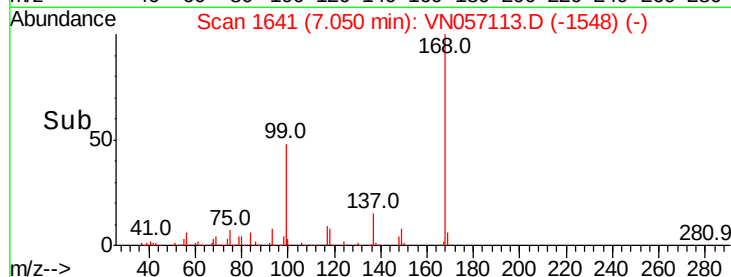
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.762 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057113.D

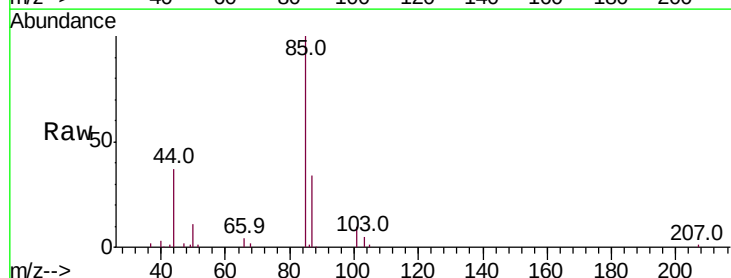
Acq: 7 Aug 2019 19:18

Tgt Ion: 85 Resp: 54243

Ion Ratio Lower Upper

85 100

87 33.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

40000

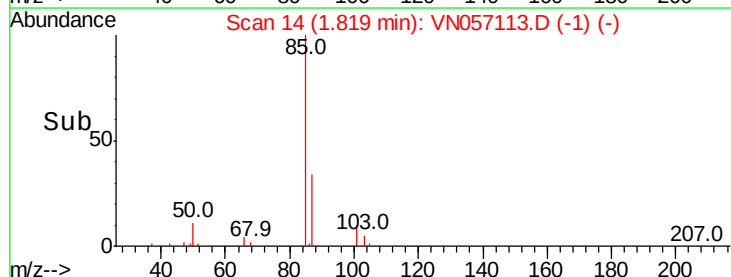
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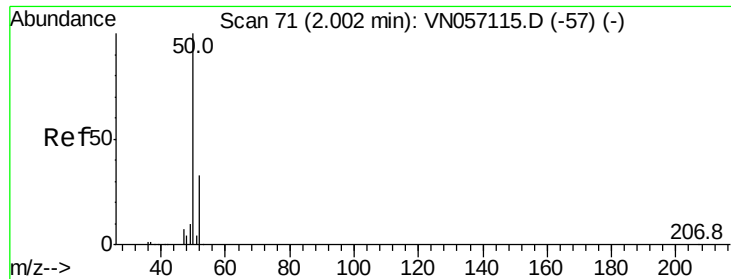
20000

10000

0

Time-->





#3

Chloromethane

Concen: 5.498 ug/l

RT: 2.00 min Scan# 71

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 69268

Ion Ratio Lower Upper

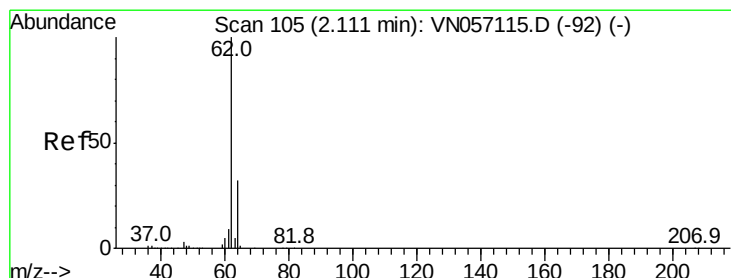
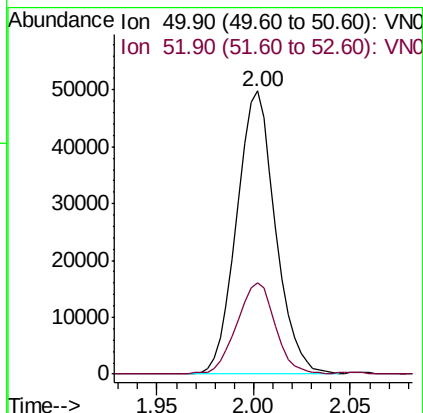
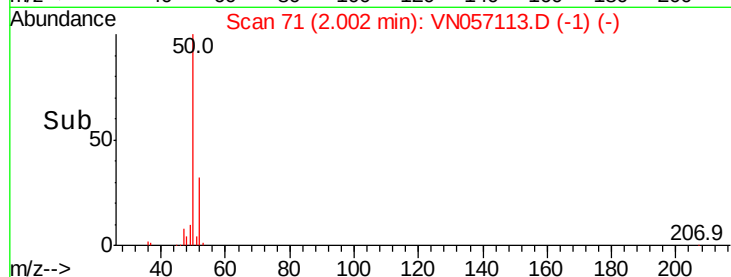
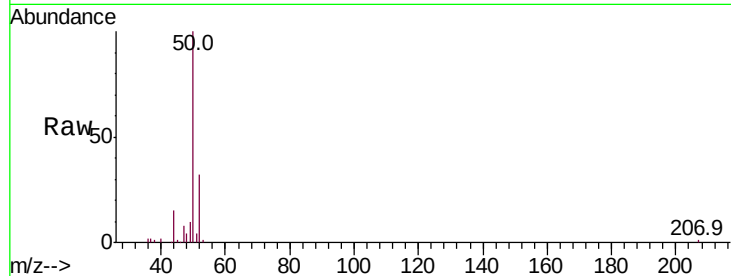
50 100

52 31.9 26.1 39.1

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#4

Vinyl Chloride

Concen: 5.293 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057113.D

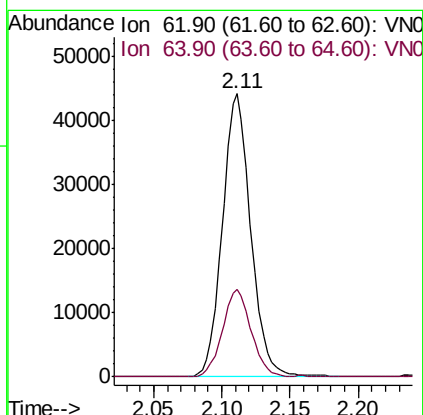
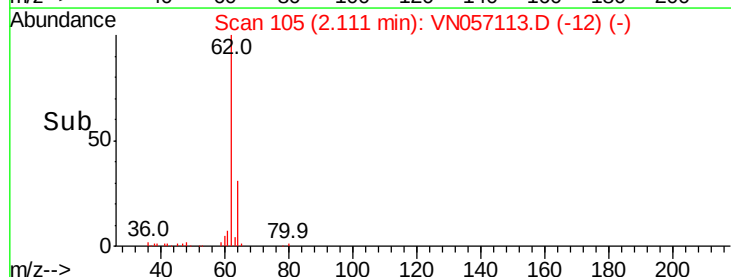
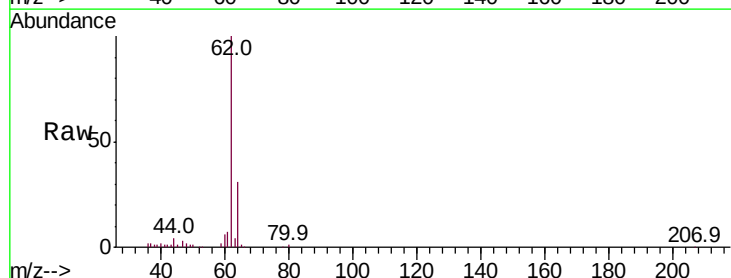
Acq: 7 Aug 2019 19:18

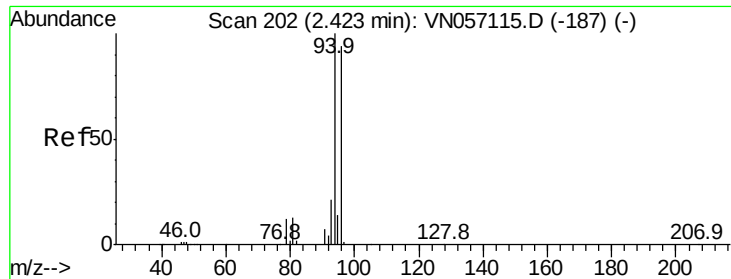
Tgt Ion: 62 Resp: 63719

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 6.418 ug/l

RT: 2.42 min Scan# 202

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 46537

Ion Ratio Lower Upper

94 100

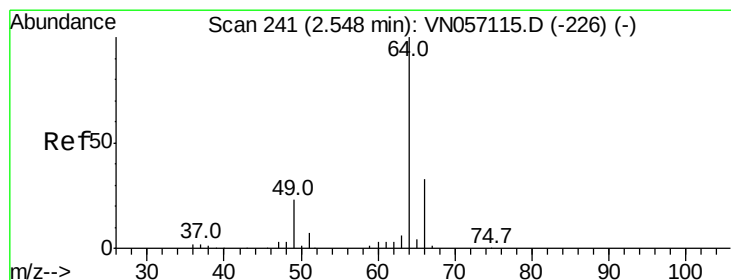
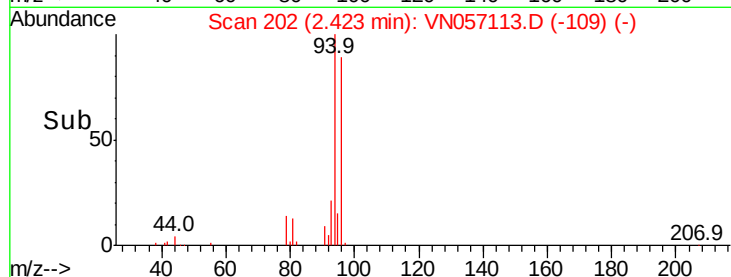
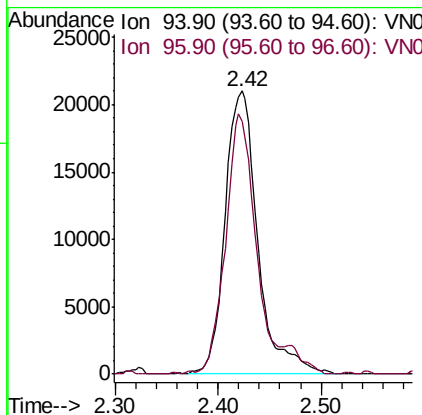
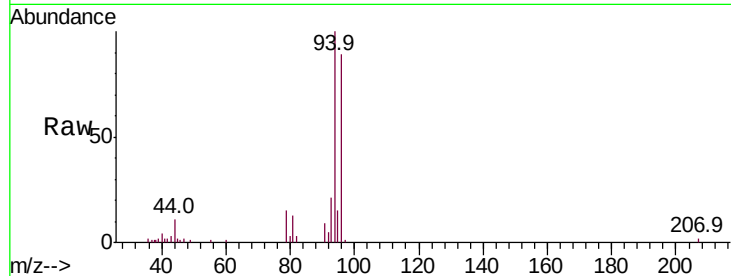
96 89.3 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 6.708 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057113.D

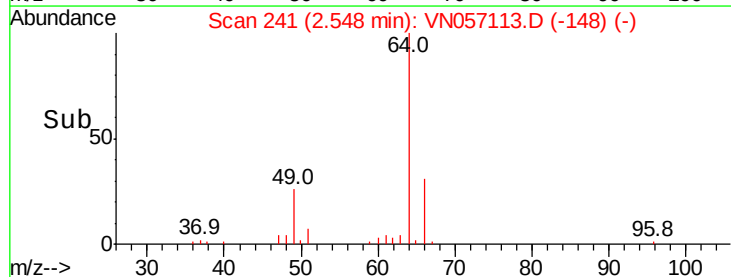
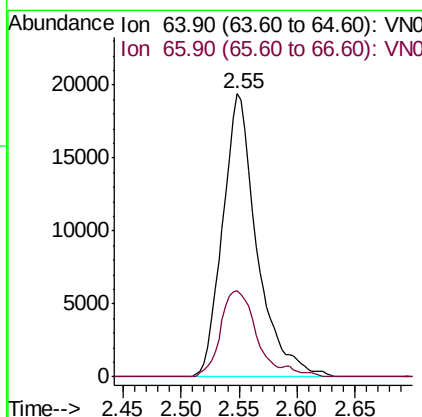
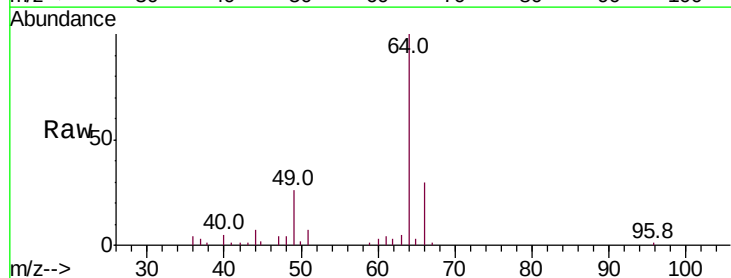
Acq: 7 Aug 2019 19:18

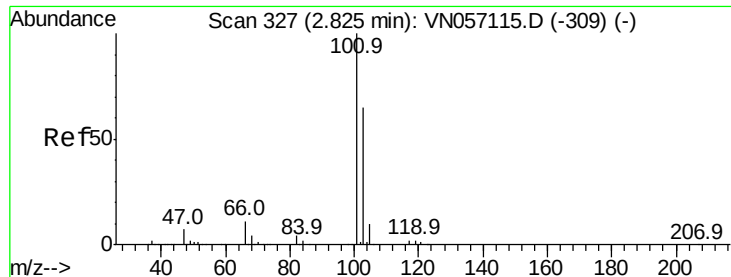
Tgt Ion: 64 Resp: 39739

Ion Ratio Lower Upper

64 100

66 30.3 26.2 39.4





#7

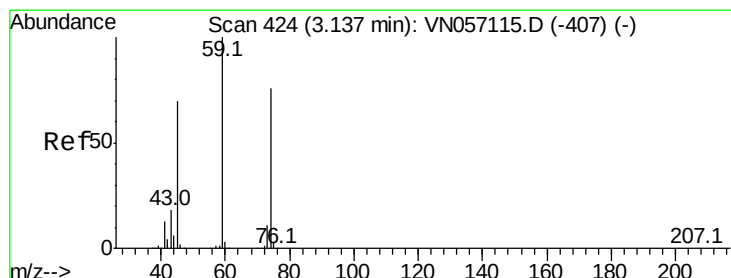
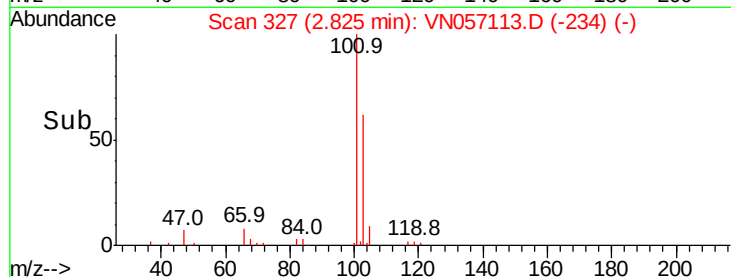
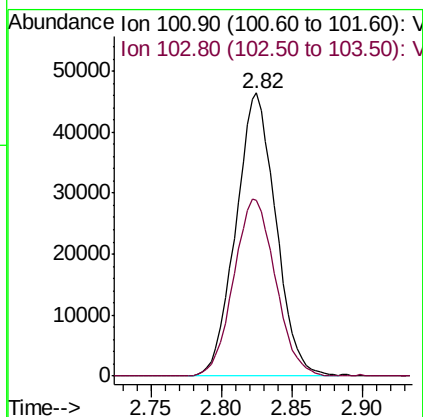
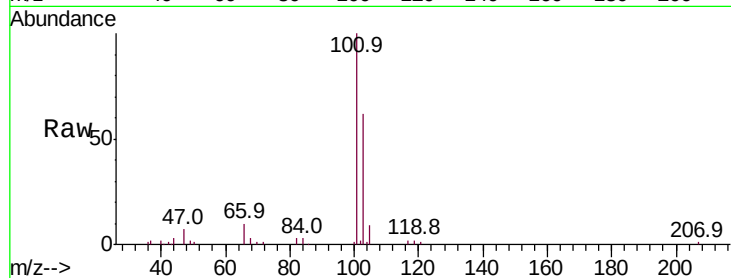
Trichlorofluoromethane
 Concen: 5.549 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.2	78.4

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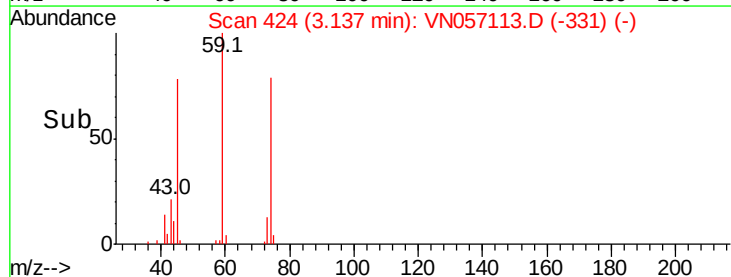
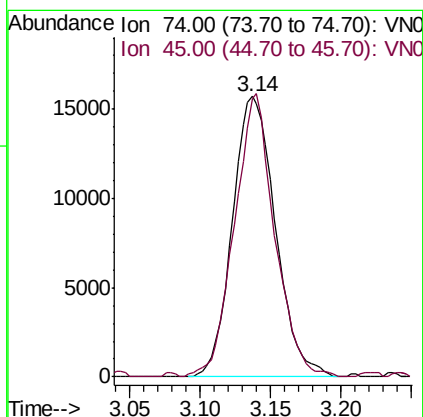
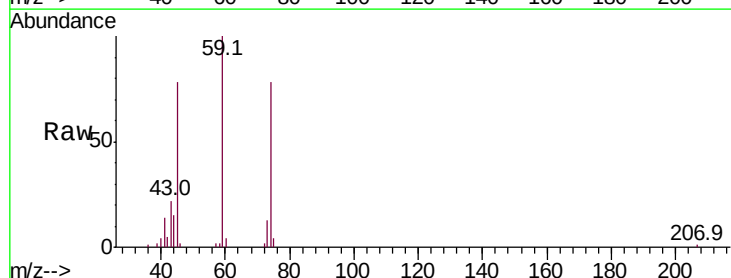
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 8/8/2019 2:40:20 PM

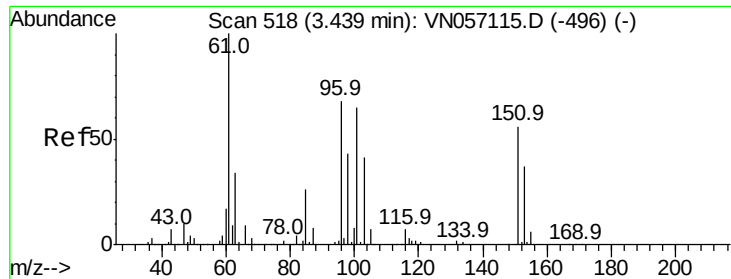


#8

Diethyl Ether
 Concen: 4.970 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.262 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

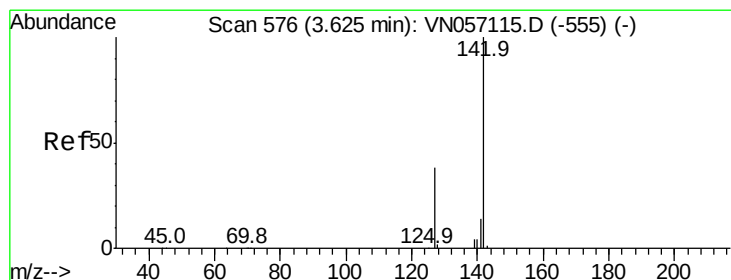
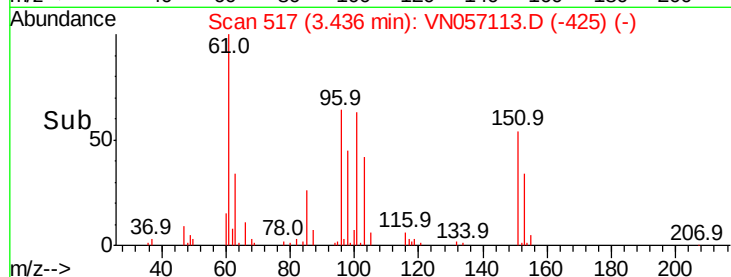
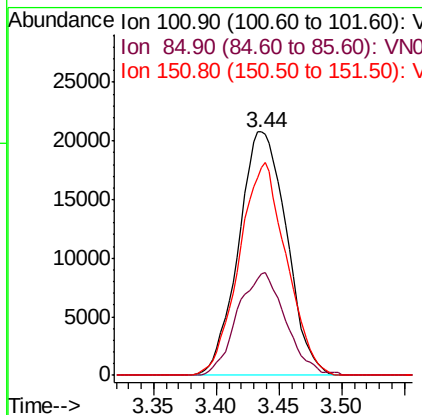
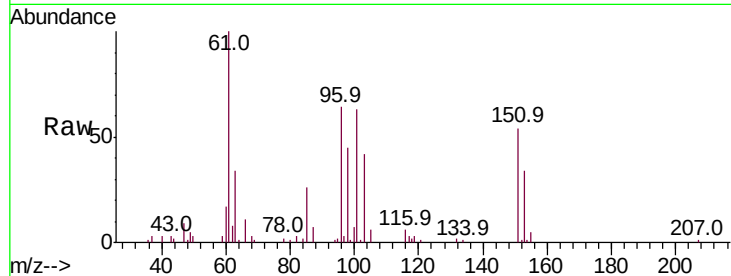
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	55320
Ion Ratio	Lower	Upper	
101	100		
85	42.2	32.3	48.5
151	85.8	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 5.808 ug/l

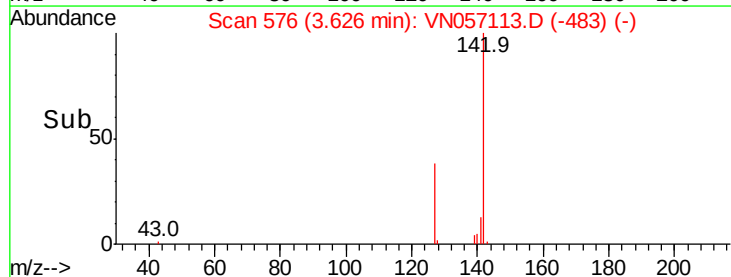
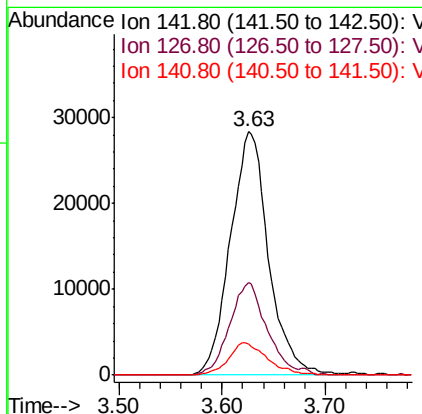
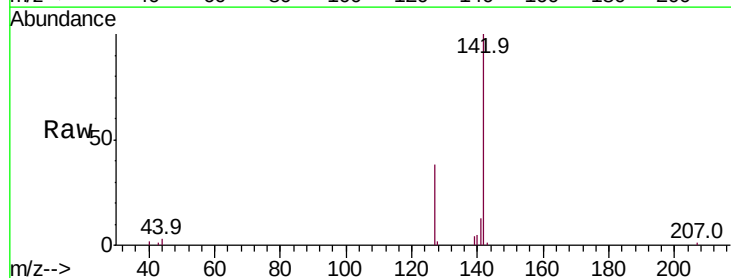
RT: 3.63 min Scan# 576

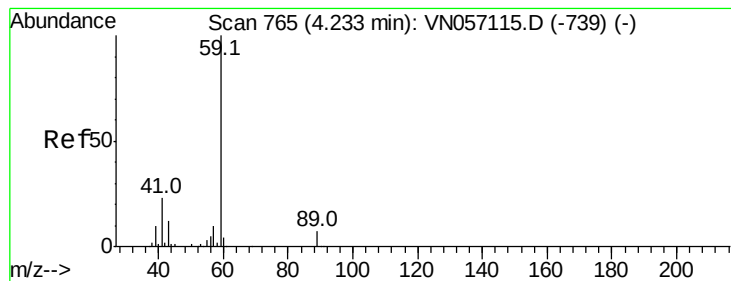
Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	142	Resp:	73047
Ion Ratio	Lower	Upper	
142	100		
127	36.7	31.0	46.6
141	13.4	11.2	16.8





#11

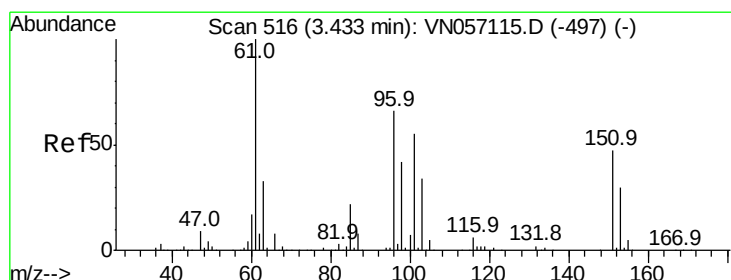
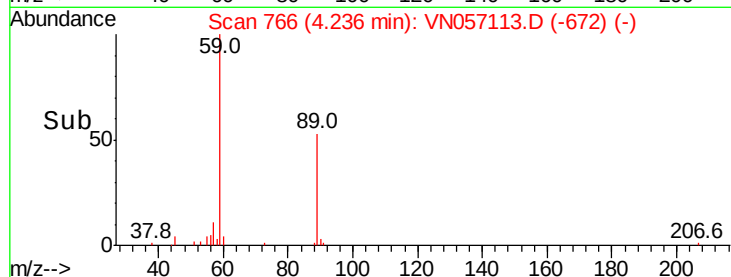
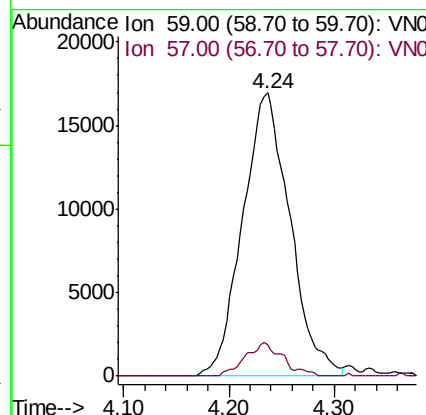
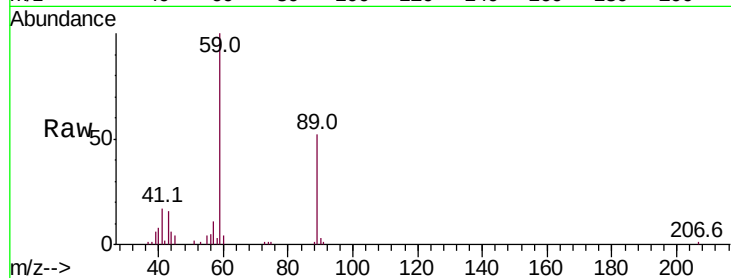
Tert butyl alcohol
Concen: 38.953 ug/l
RT: 4.24 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	7.9	11.9

Manual Integrations
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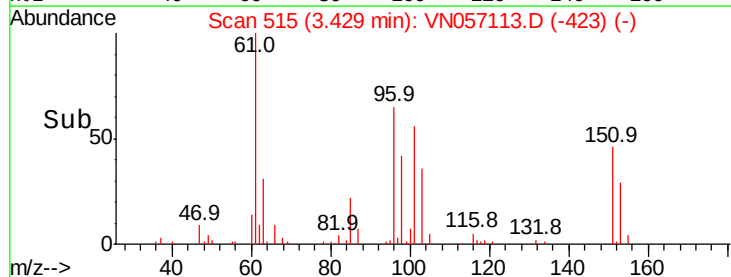
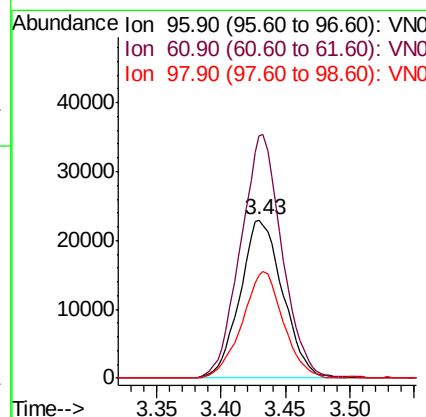
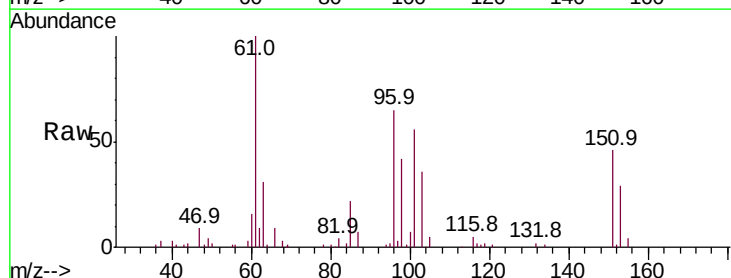
MMDadoda
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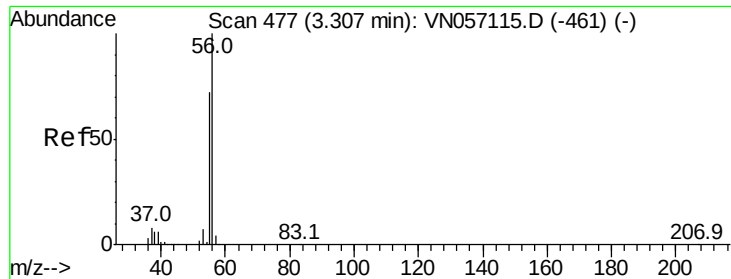


#12

1,1-Dichloroethene
Concen: 5.035 ug/l
RT: 3.43 min Scan# 515
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	121.0	181.6
98	64.8	50.8	76.2





#13

Acrolein

Concen: 28.616 ug/l

RT: 3.31 min Scan# 477

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 32589

Ion Ratio Lower Upper

56 100

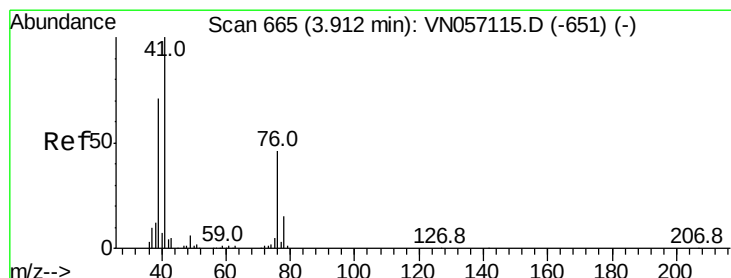
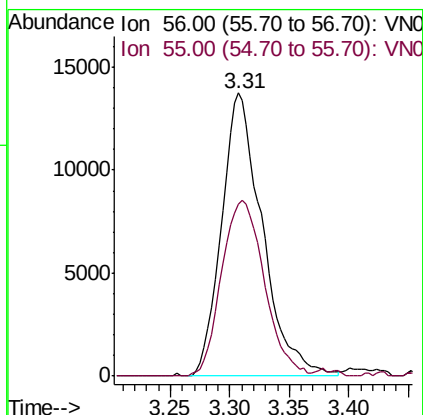
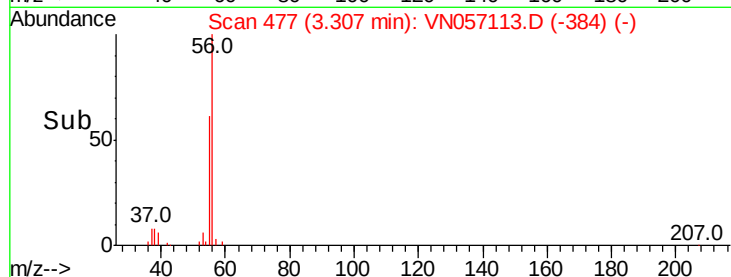
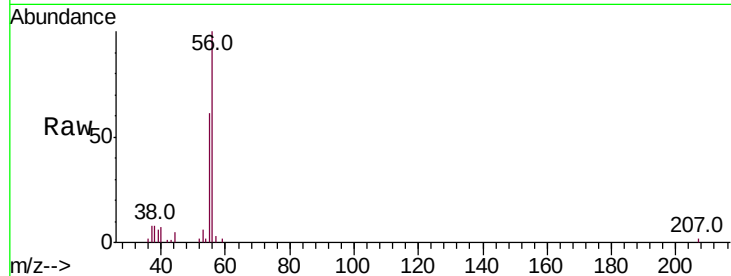
55 65.3 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 4.780 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

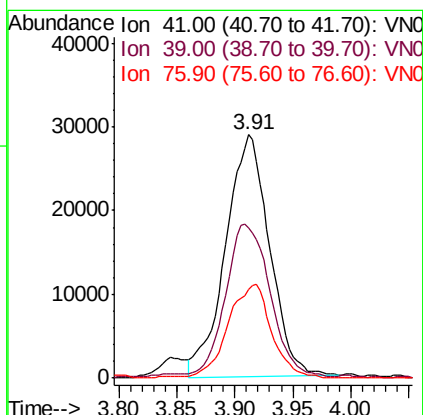
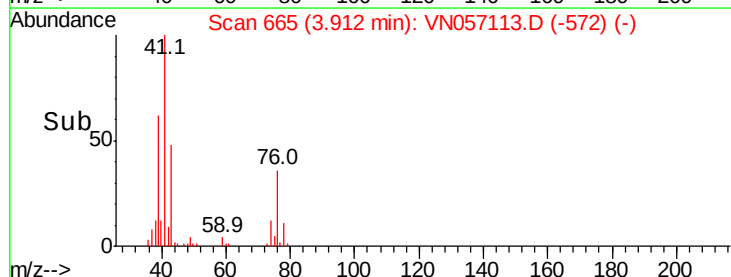
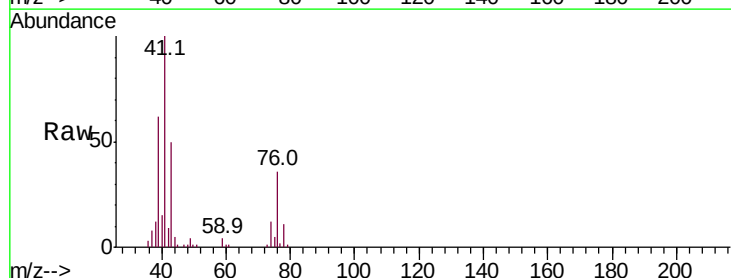
Tgt Ion: 41 Resp: 75615

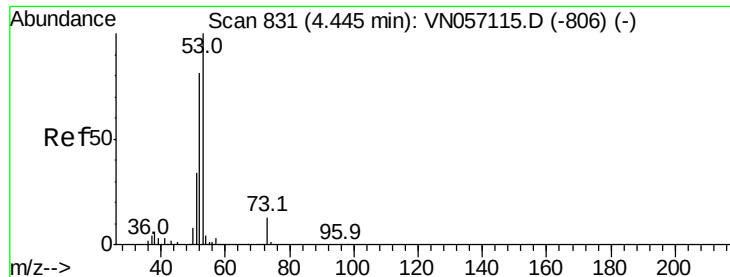
Ion Ratio Lower Upper

41 100

39 63.7 51.1 76.7

76 38.4 32.8 49.2





#15

Acrylonitrile

Concen: 27.640 ug/l

RT: 4.45 min Scan# 832

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

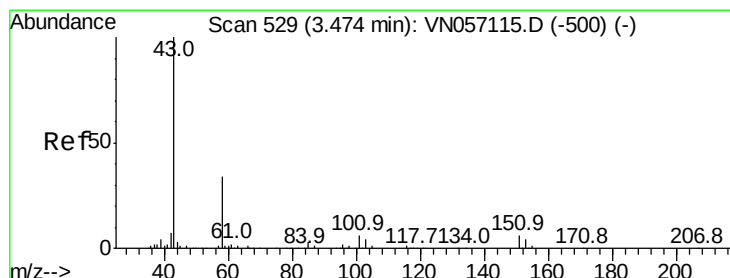
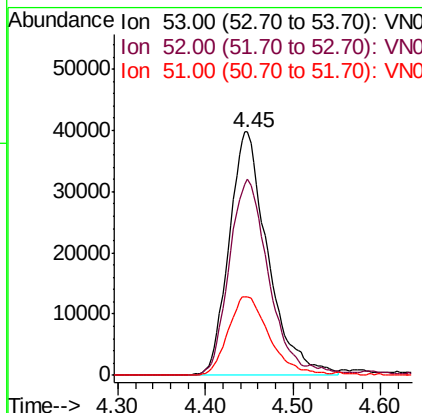
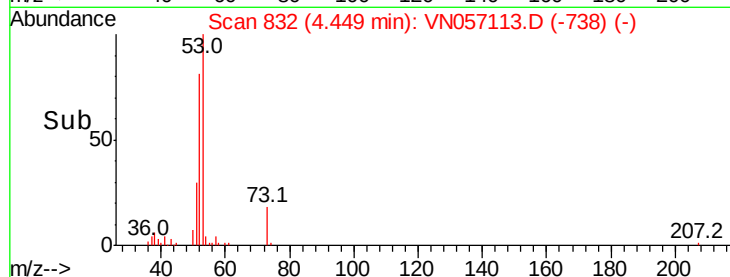
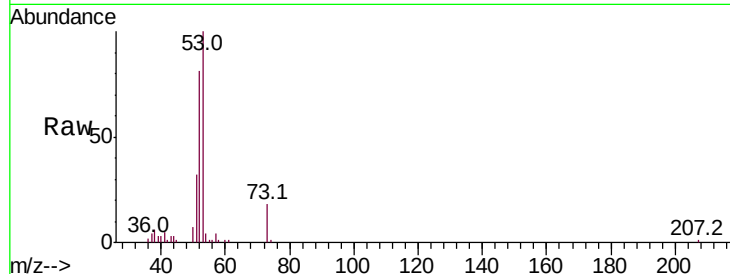
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	122308
Ion Ratio	Lower	Upper	
53	100		
52	80.4	64.9	97.3
51	34.2	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 25.392 ug/l

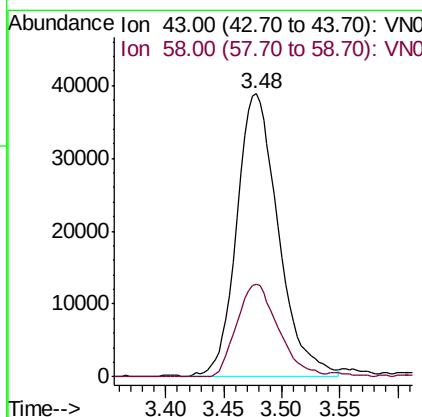
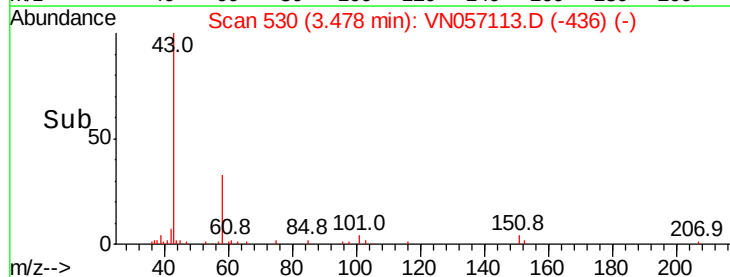
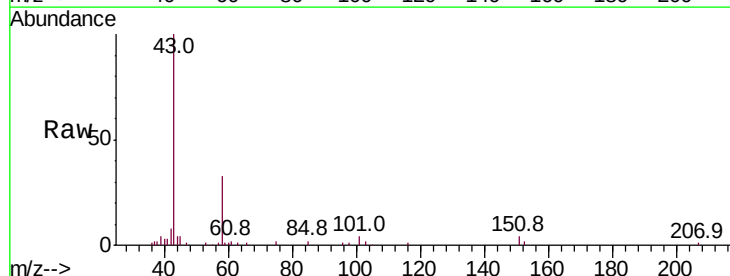
RT: 3.48 min Scan# 530

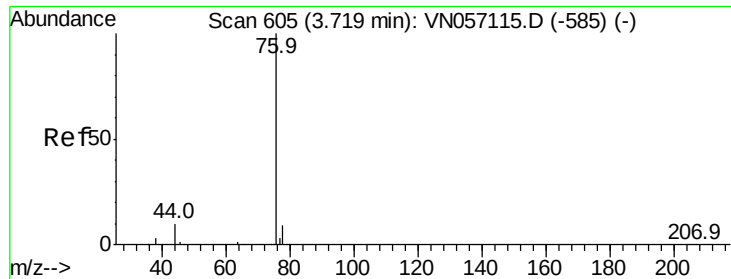
Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	43	Resp:	97247
Ion Ratio	Lower	Upper	
43	100		
58	32.9	27.4	41.2





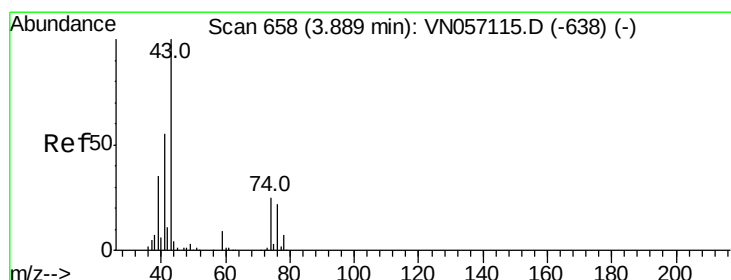
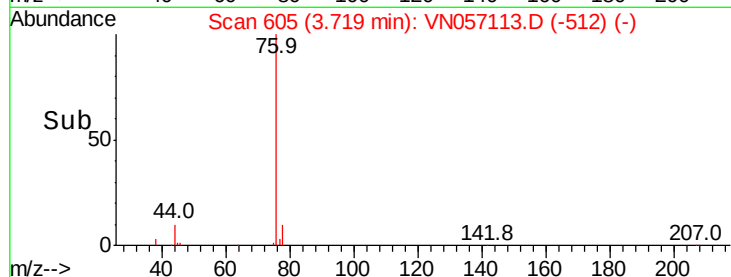
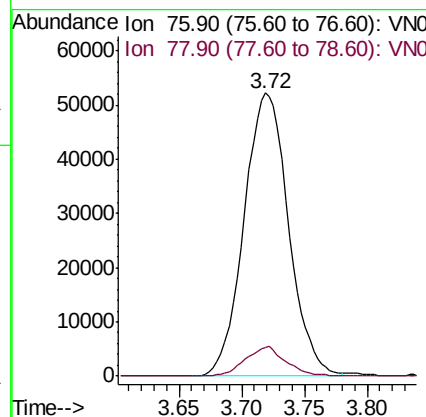
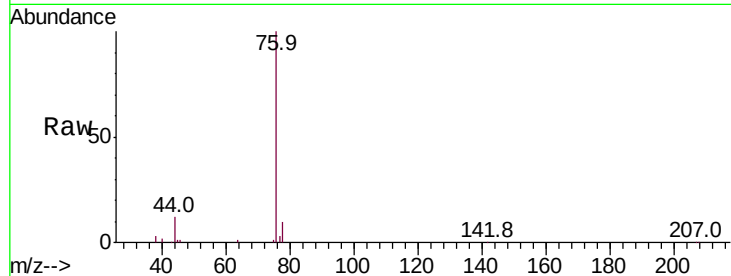
#17
Carbon Disulfide
Concen: 4.991 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.0	10.6

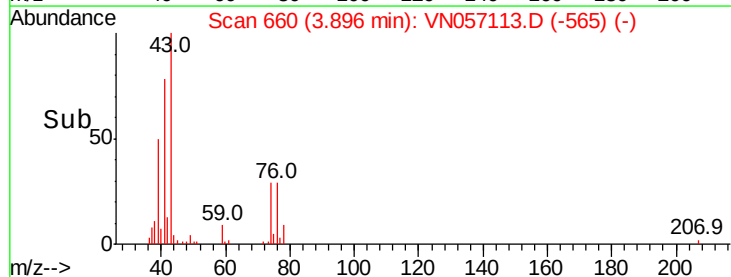
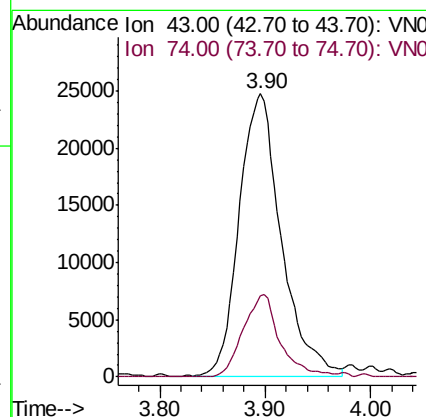
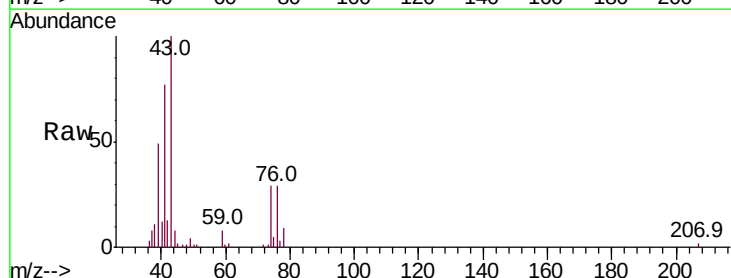
Manual Integrations
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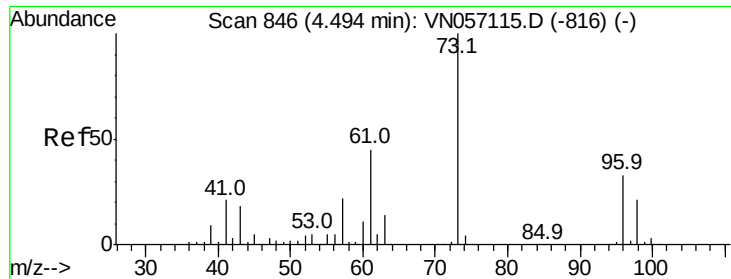
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#18
Methyl Acetate
Concen: 5.204 ug/l
RT: 3.90 min Scan# 660
Delta R.T. 0.01 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.2	30.4





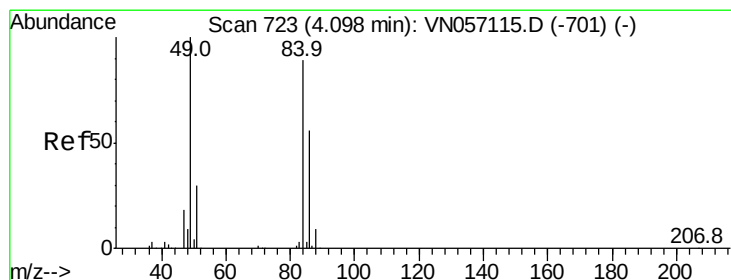
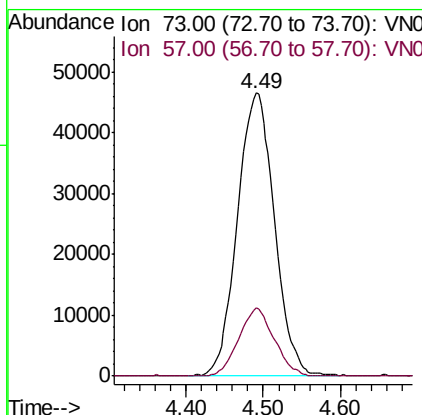
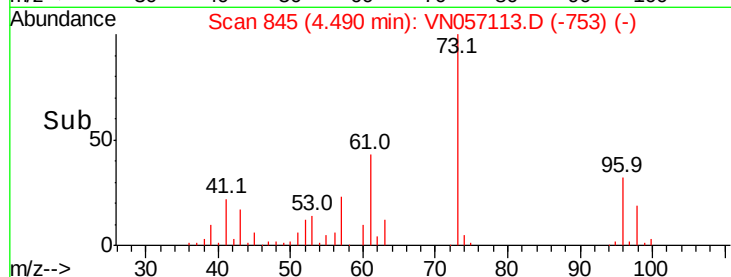
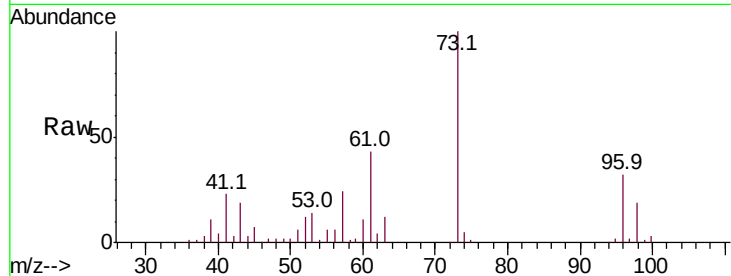
#19
Methyl tert-butyl Ether
Concen: 5.028 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 155147
Ion Ratio Lower Upper
73 100
57 23.9 18.0 27.0

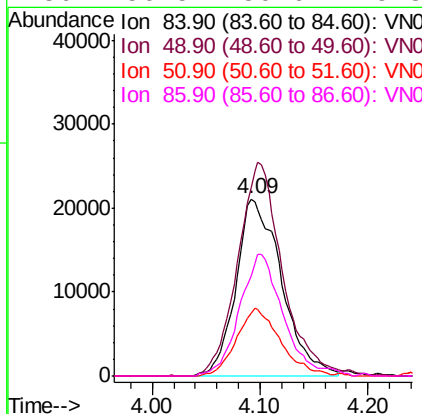
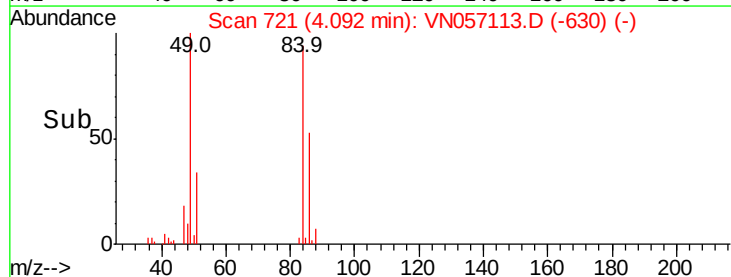
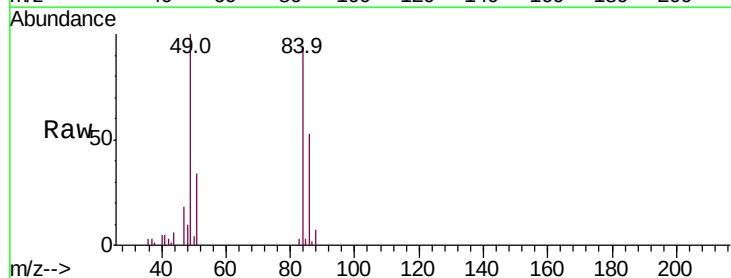
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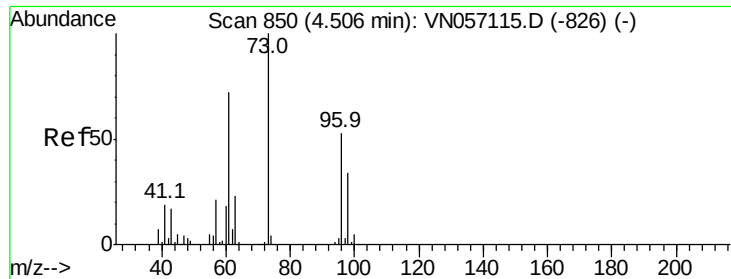
MMDadoda
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#20
Methylene Chloride
Concen: 5.127 ug/l
RT: 4.09 min Scan# 721
Delta R.T. -0.01 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 84 Resp: 62055
Ion Ratio Lower Upper
84 100
49 106.8 89.5 134.3
51 35.9 27.2 40.8
86 56.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 5.204 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 57773

Ion Ratio Lower Upper

96 100

61 135.6 108.1 162.1

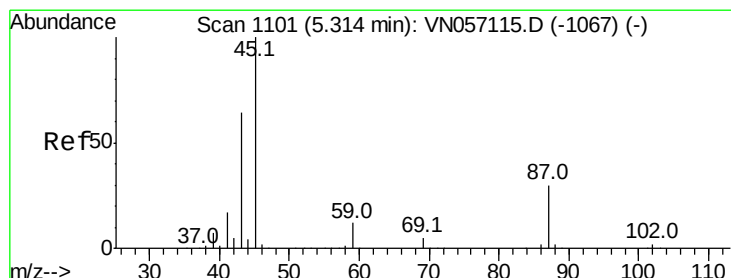
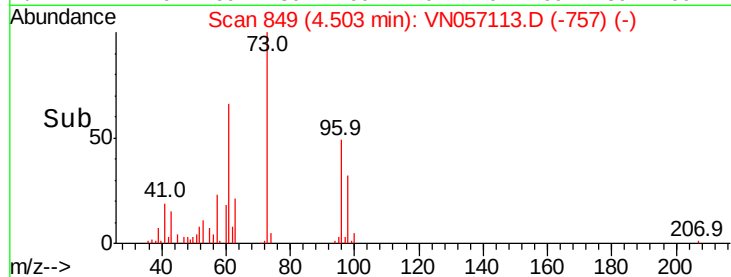
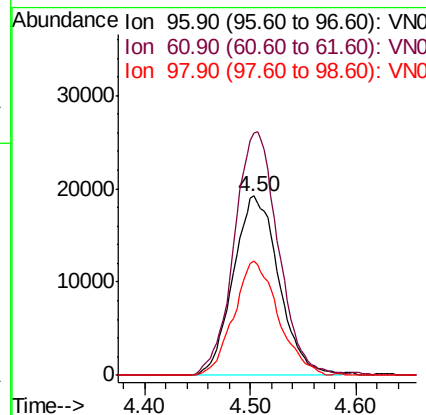
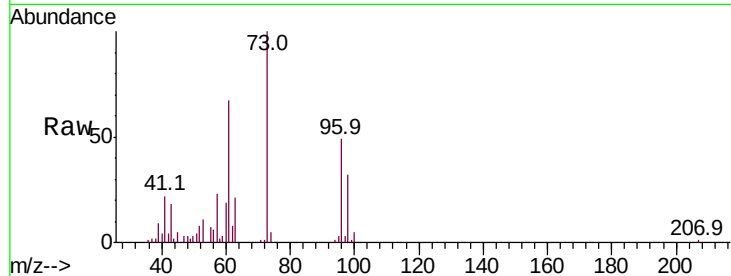
98 64.1 50.5 75.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 5.052 ug/l

RT: 5.32 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion: 45 Resp: 167819

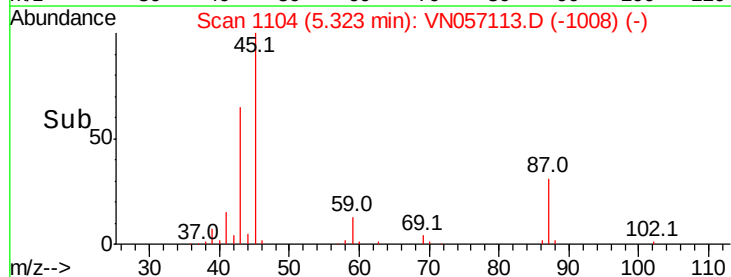
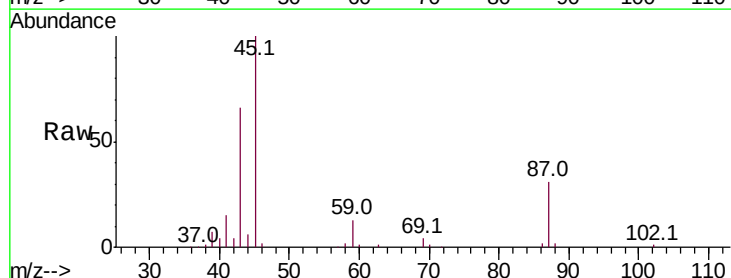
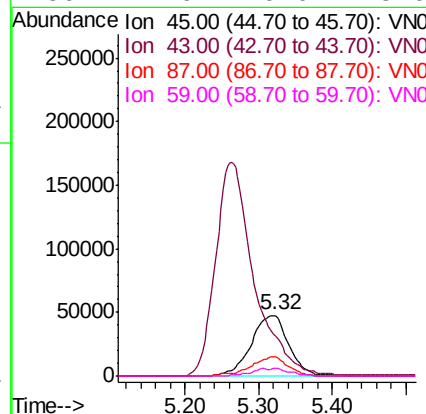
Ion Ratio Lower Upper

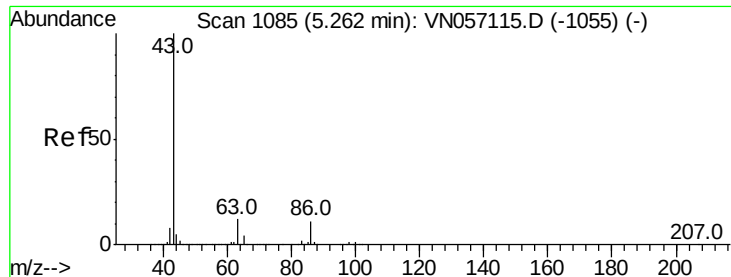
45 100

43 62.9 54.1 81.1

87 31.4 24.0 36.0

59 12.6 10.0 15.0





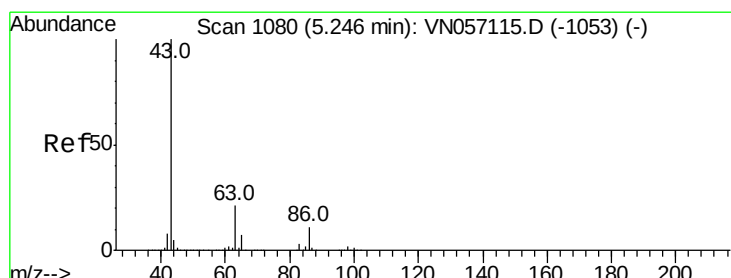
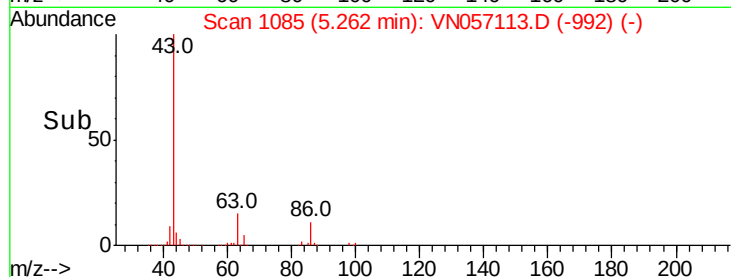
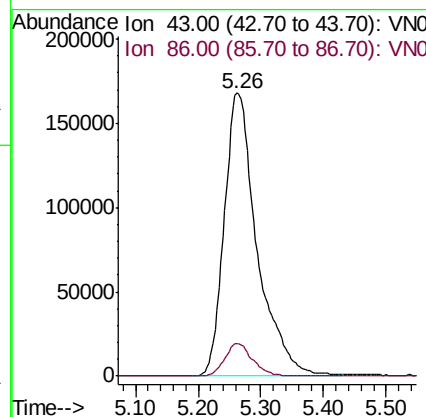
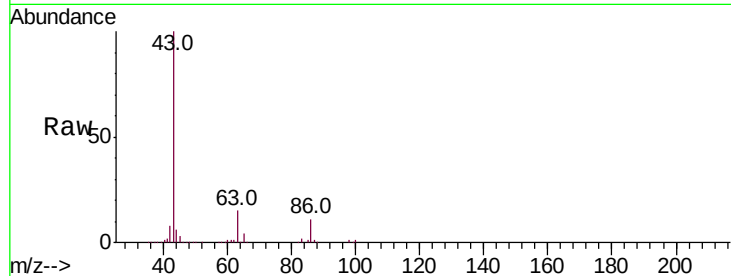
#23
 Vinyl Acetate
 Concen: 24.640 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.2	13.8

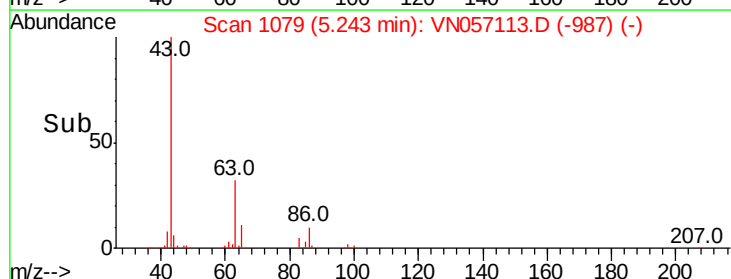
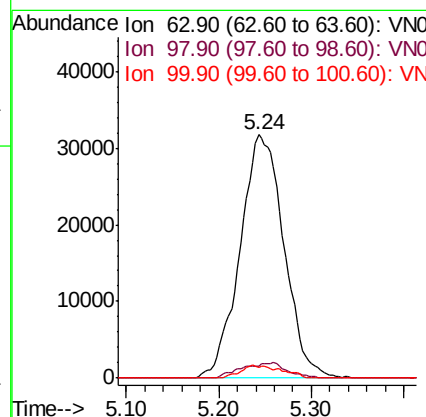
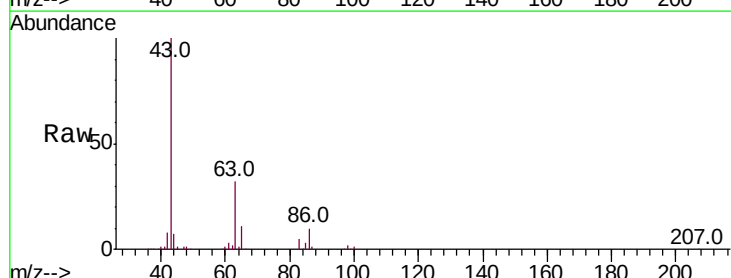
Manual Integrations
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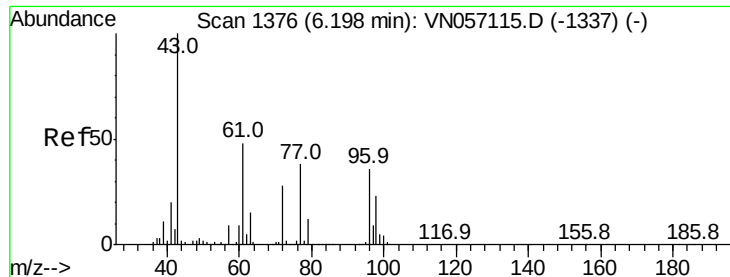
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#24
 1,1-Dichloroethane
 Concen: 5.102 ug/l
 RT: 5.24 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.8	11.2
100	4.5	2.1	6.3





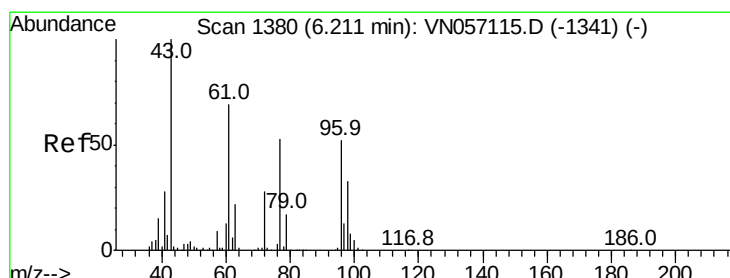
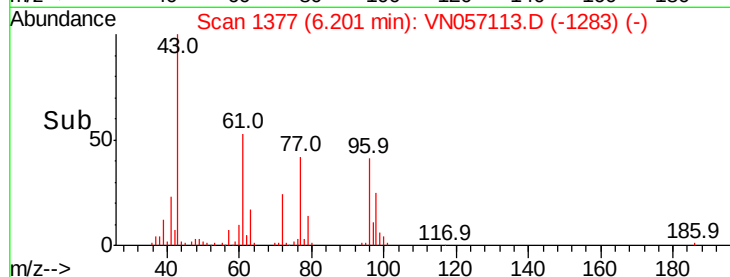
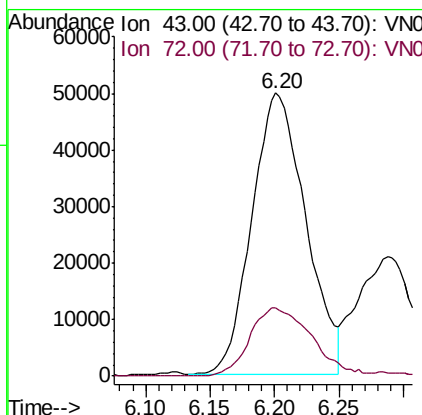
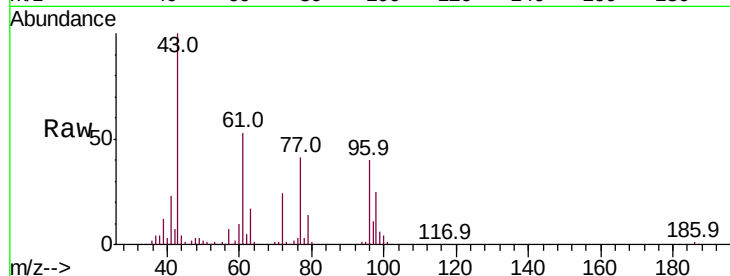
#25
2-Butanone
Concen: 26.462 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	72	Ratio	100	24.5	Resp	144564	Lower	22.2	Upper	33.4
Ion	43	72	Ratio	100	24.5	Resp	144564	Lower	22.2	Upper	33.4

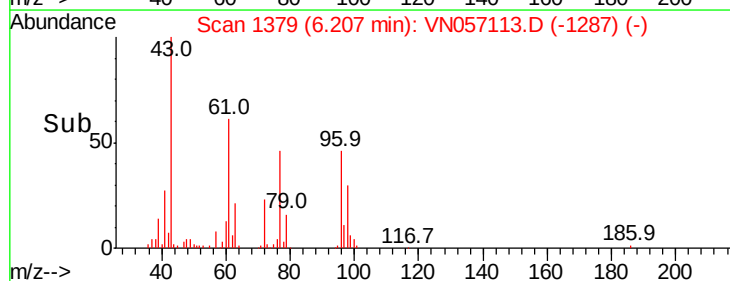
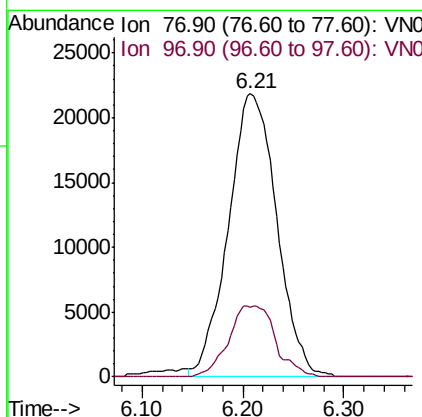
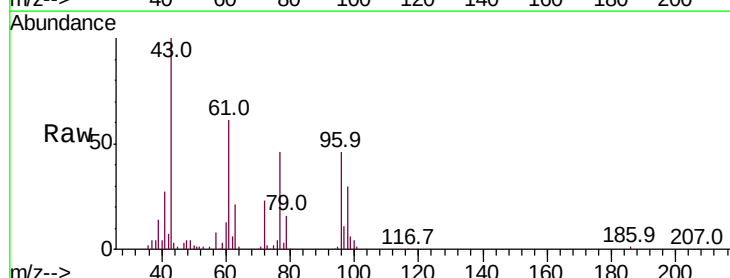
Manual Integrations
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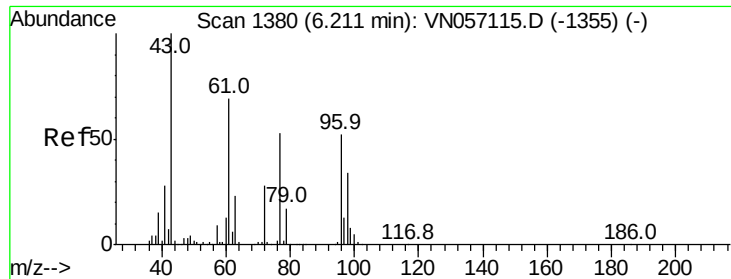
MMDadoda
8/8/2019 2:40:20 PM



#26
2,2-Dichloropropane
Concen: 4.665 ug/l
RT: 6.21 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	77	97	Ratio	100	12.0	Resp	72714	Lower	12.3	Upper	36.8#
Ion	77	97	Ratio	100	12.0	Resp	72714	Lower	12.3	Upper	36.8#





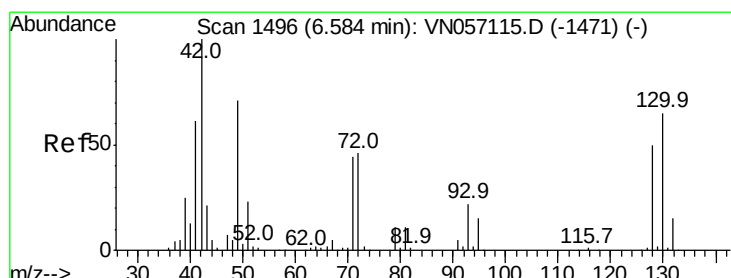
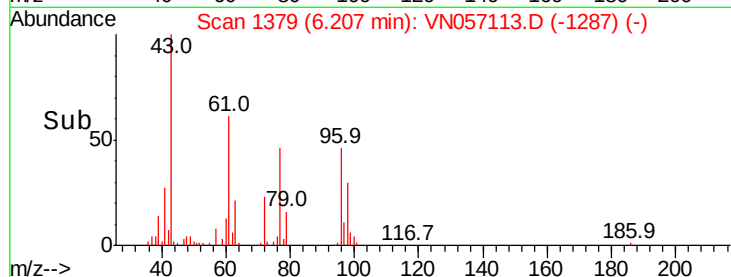
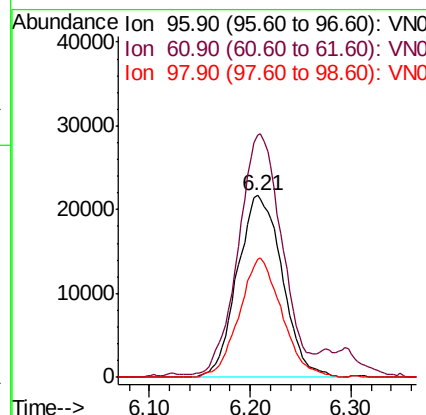
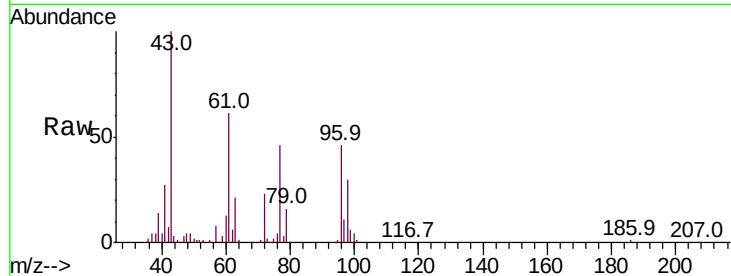
#27
 cis-1,2-Dichloroethene
 Concen: 5.184 ug/l
 RT: 6.21 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	67192		
61	128.4		0.0	273.4
98	62.2		0.0	130.4

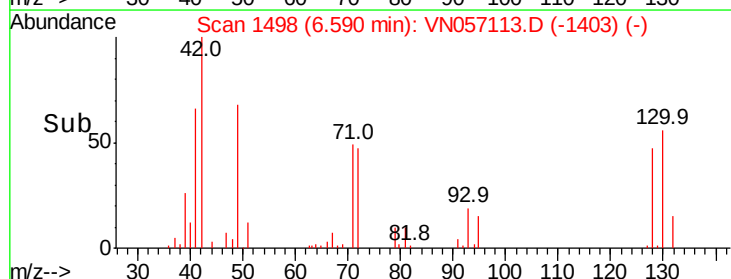
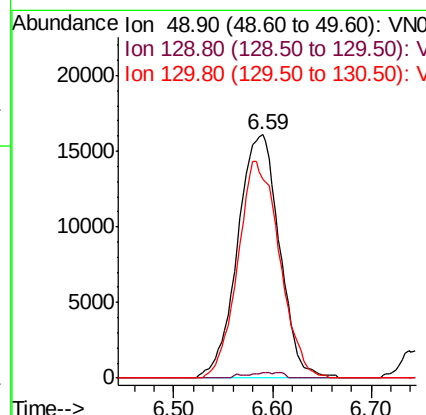
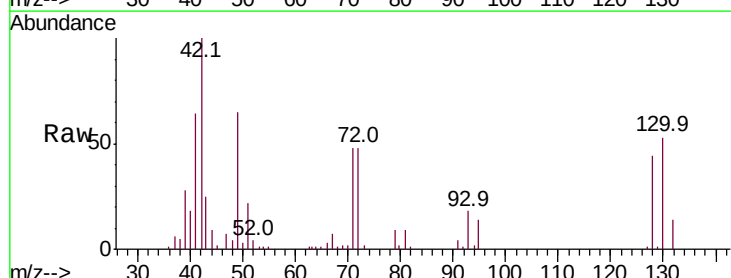
Manual Integrations
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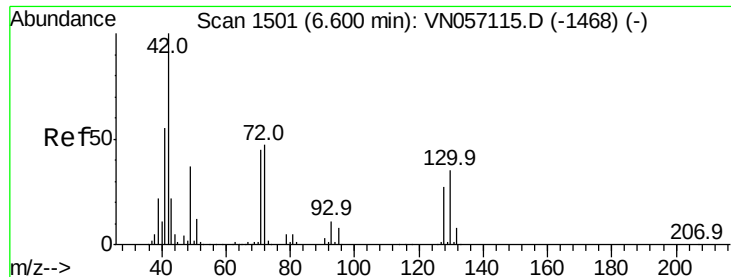
MMDadoda
 8/8/2019 2:40:20 PM



#28
 Bromochloromethane
 Concen: 5.235 ug/l
 RT: 6.59 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47369		
129	1.0		0.0	4.8
130	88.7		73.8	110.8





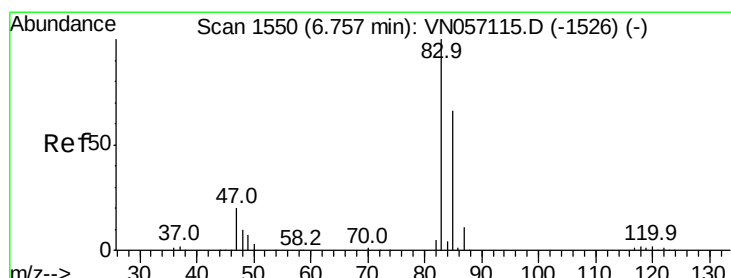
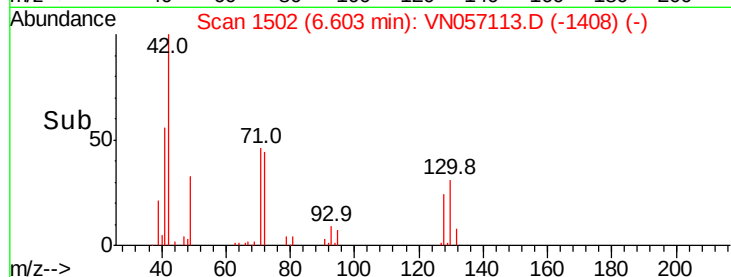
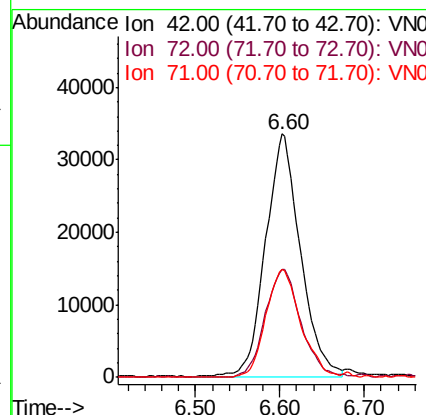
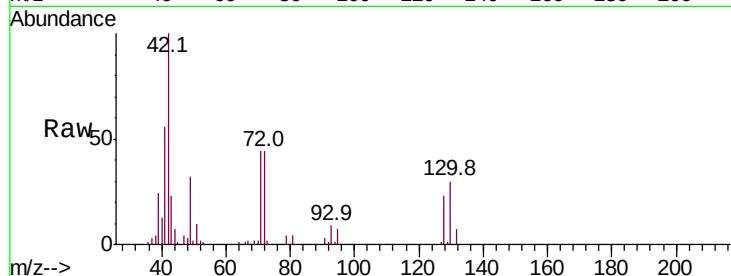
#29
Tetrahydrofuran
Concen: 27.317 ug/l
RT: 6.60 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	37.1	55.7
71	43.7	34.8	52.2

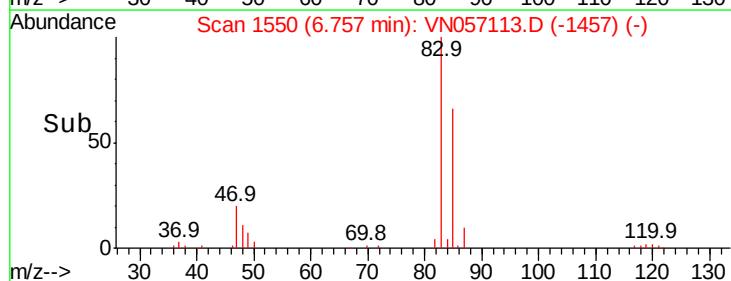
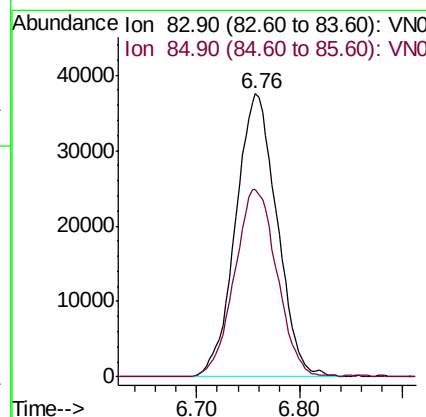
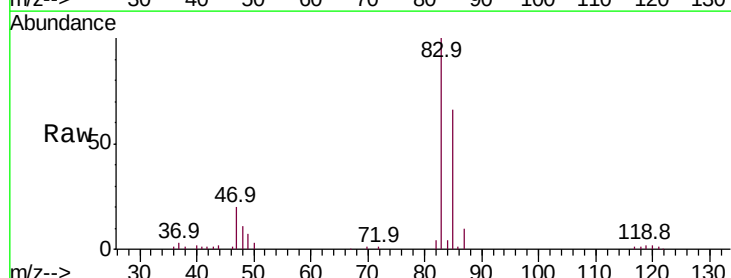
Manual Integrations
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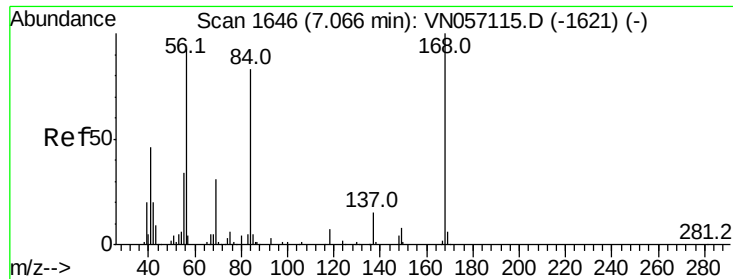
MMDadoda
8/8/2019 2:40:20 PM



#30
Chloroform
Concen: 5.090 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	78.8





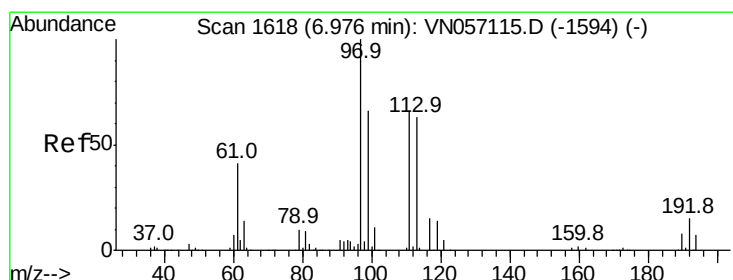
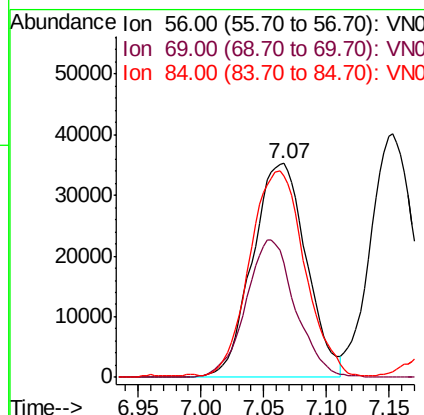
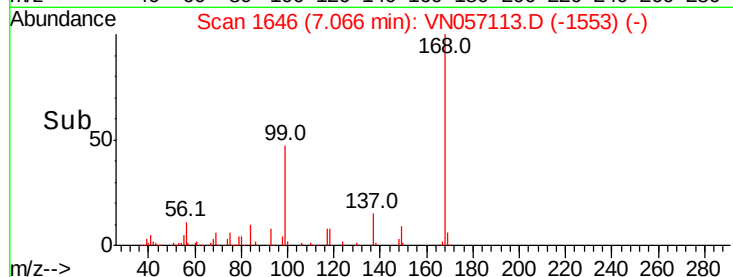
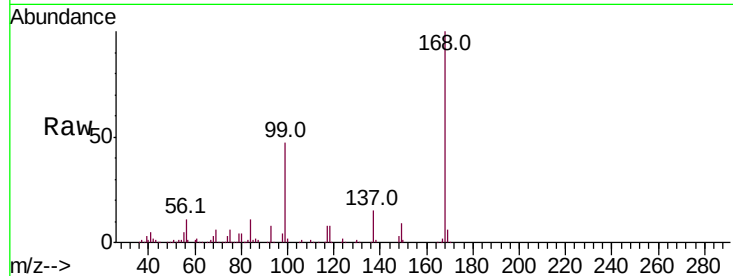
#31
Cyclohexane
Concen: 5.843 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	53.3	26.9	40.3#
84	93.1	71.9	107.9

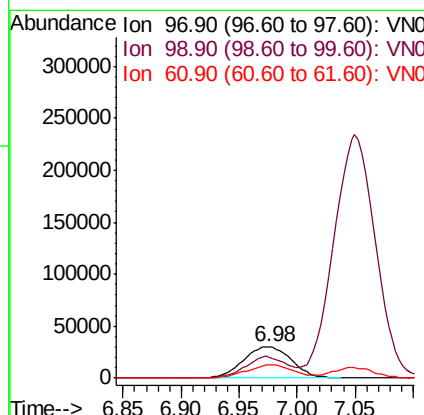
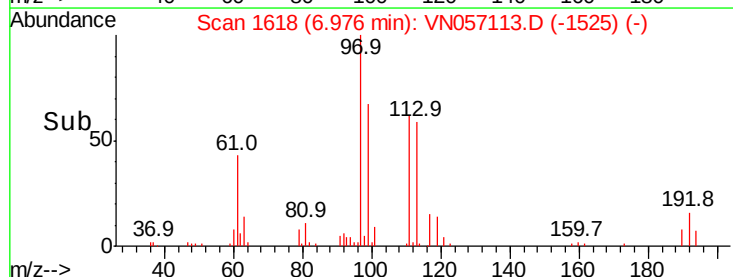
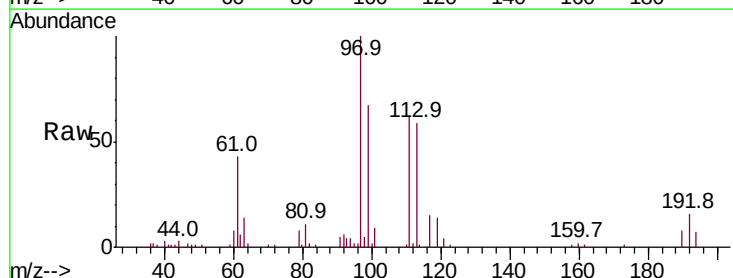
Manual Integrations
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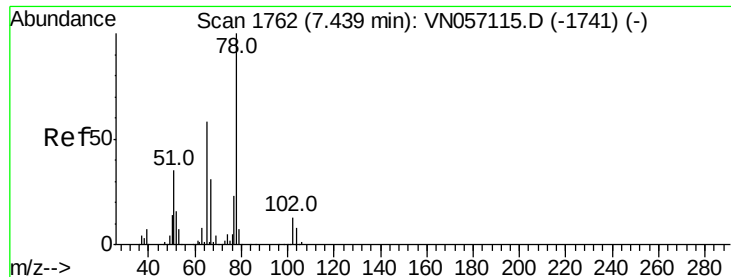
MMDadoda
8/8/2019 2:40:20 PM



#32
1,1,1-Trichloroethane
Concen: 5.109 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.6	51.8	77.6
61	41.6	32.7	49.1





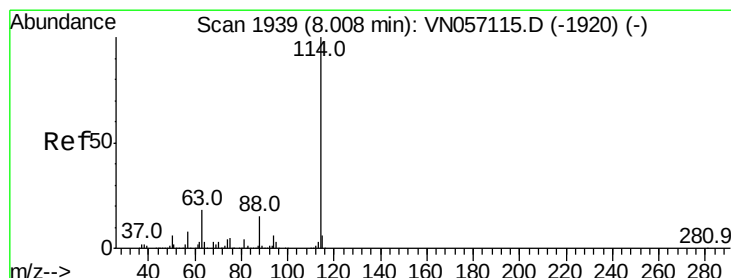
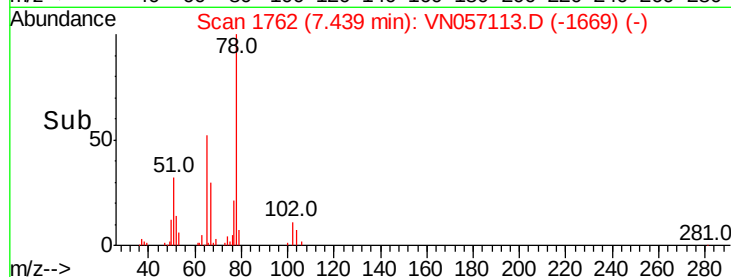
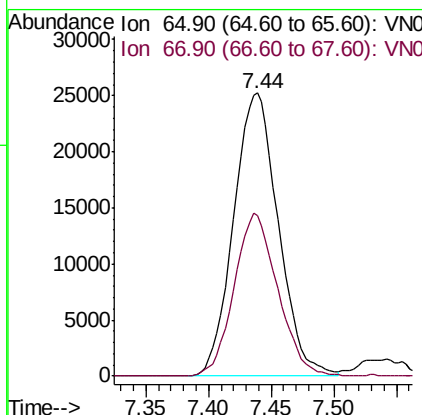
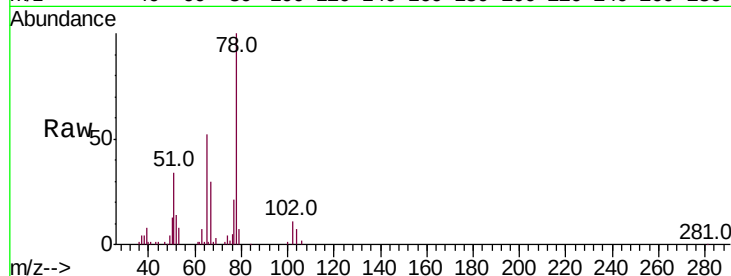
#33
 1,2-Dichloroethane-d4
 Concen: 4.997 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.0	0.0	108.2

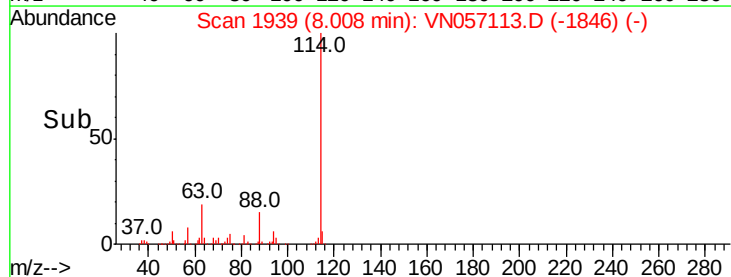
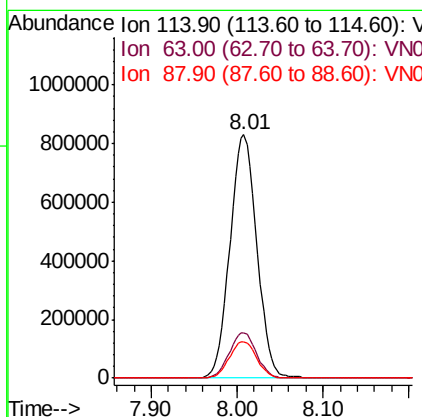
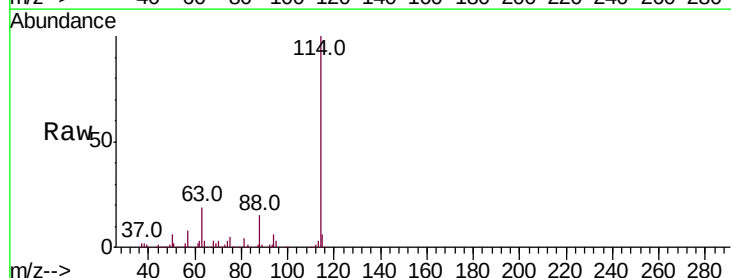
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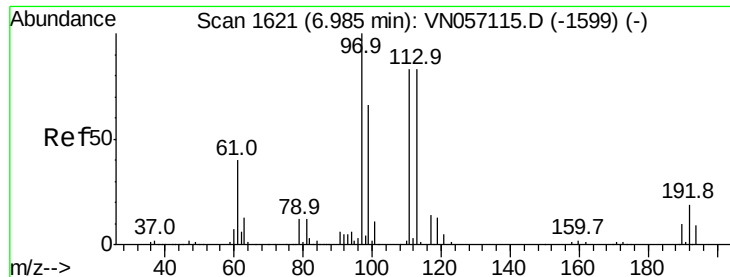
MMDadoda
 8/8/2019 2:40:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	36.2
88	15.1	0.0	30.0





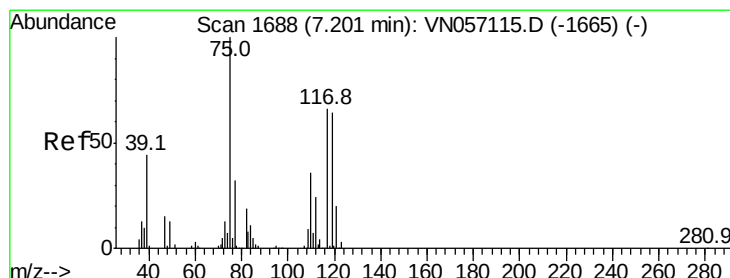
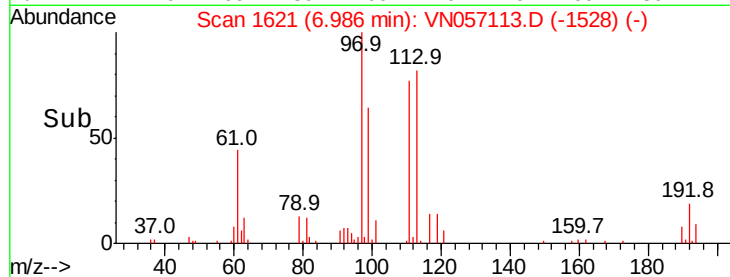
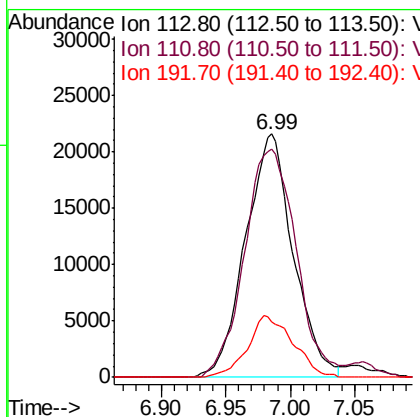
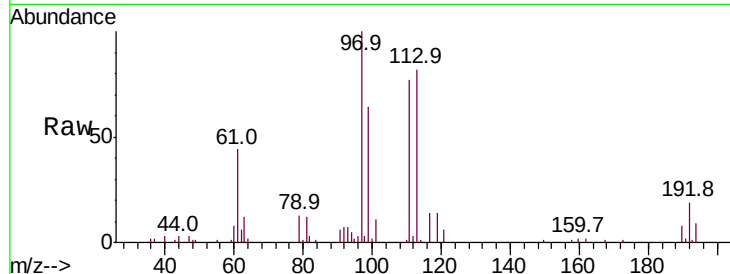
#35
Dibromofluoromethane
Concen: 4.902 ug/l
RT: 6.99 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.3	121.9
192	24.1	19.0	28.4

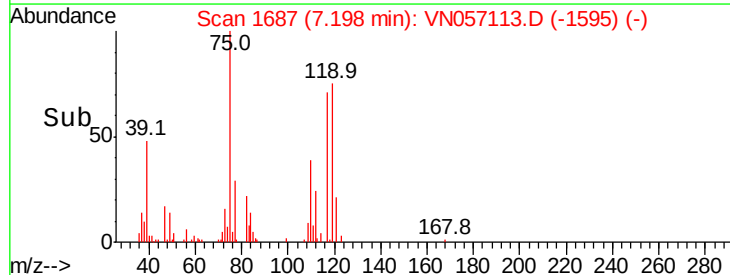
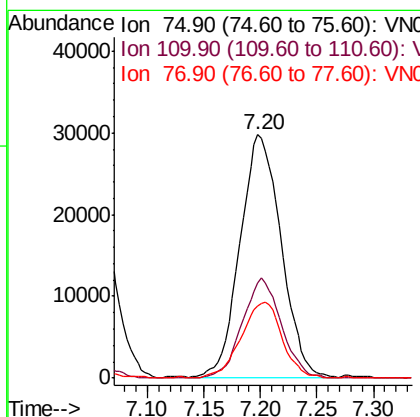
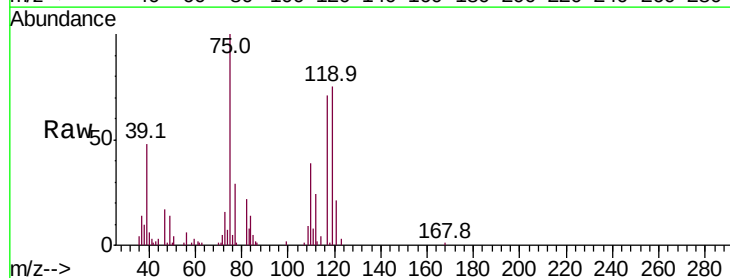
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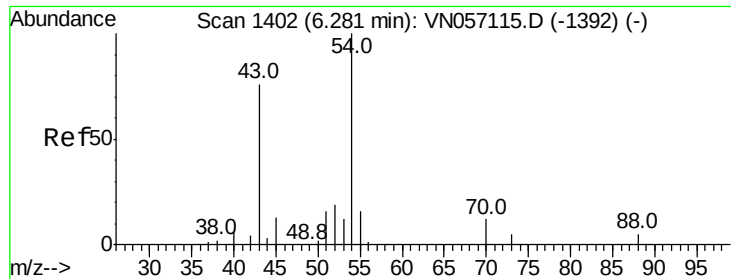
MMDadoda
8/8/2019 2:40:20 PM



#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	18.7	56.1
77	31.0	25.0	37.4





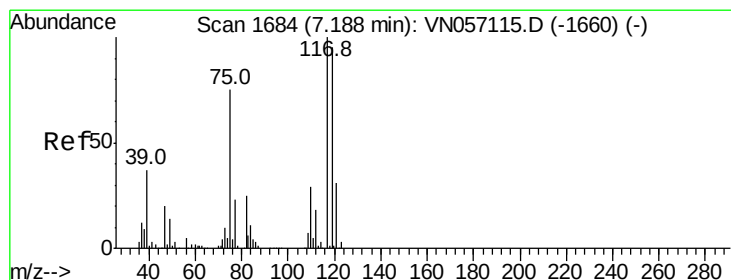
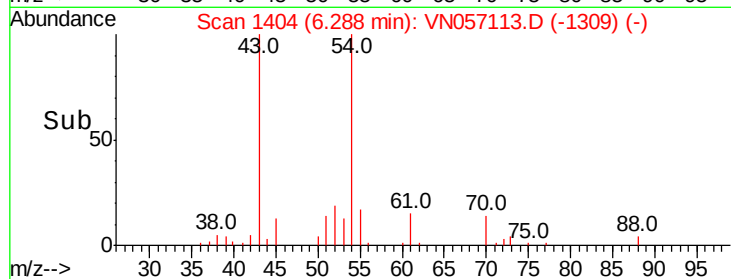
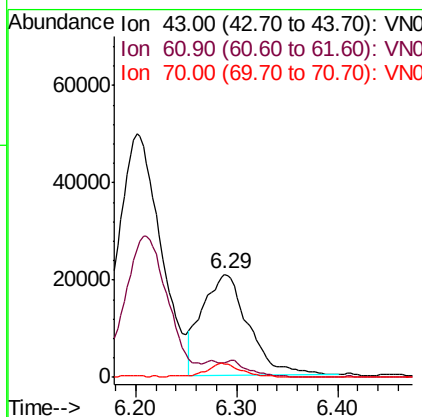
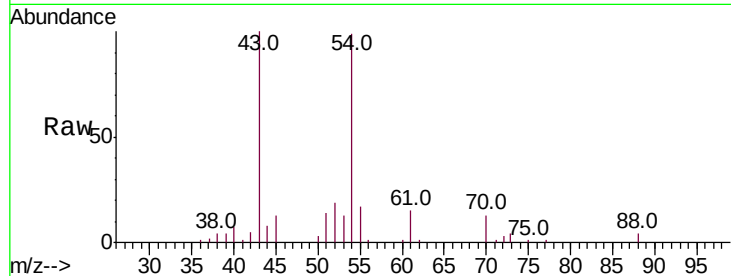
#37
Ethyl Acetate
Concen: 5.518 ug/l
RT: 6.29 min Scan# 1404
Delta R.T. 0.01 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	0.0	10.7
Lower		0.0	9.1
Upper		0.0	13.7

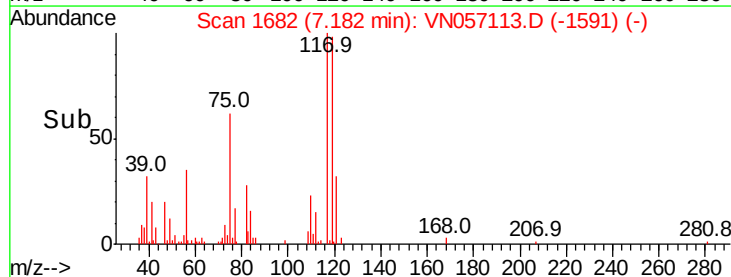
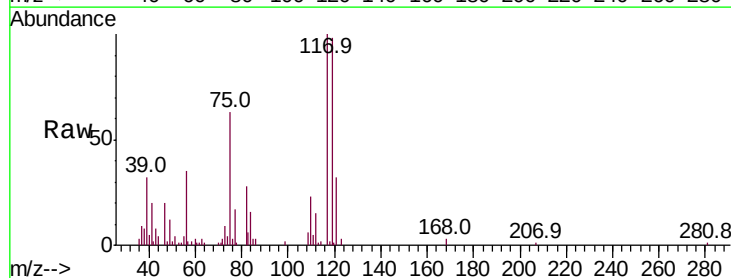
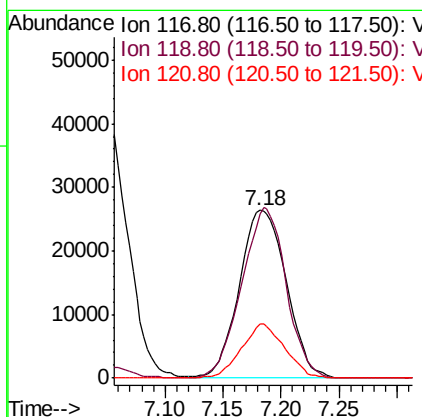
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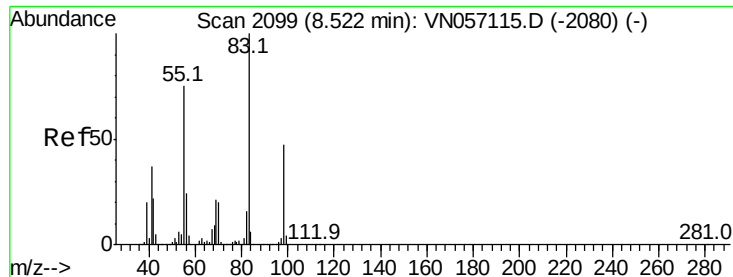
MMDadoda
8/8/2019 2:40:20 PM



#38
Carbon Tetrachloride
Concen: 4.938 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	97.7	32.3
Lower		75.8	24.4
Upper		113.6	36.6





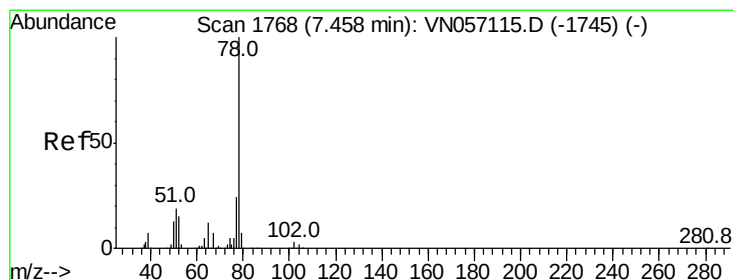
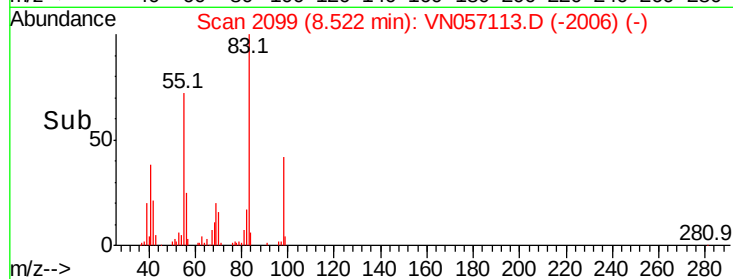
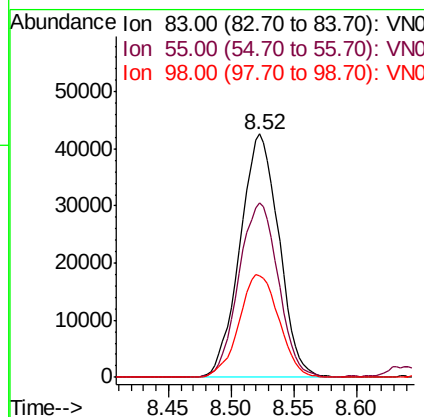
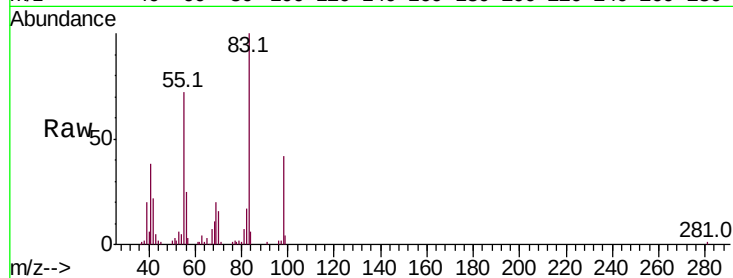
#39
Methylvlcyclohexane
Concen: 5.081 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	60.3	90.5
98	41.9	37.9	56.9

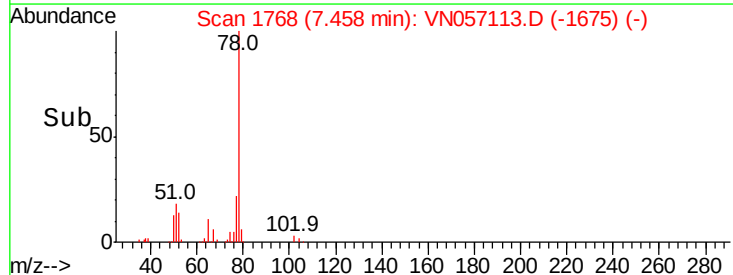
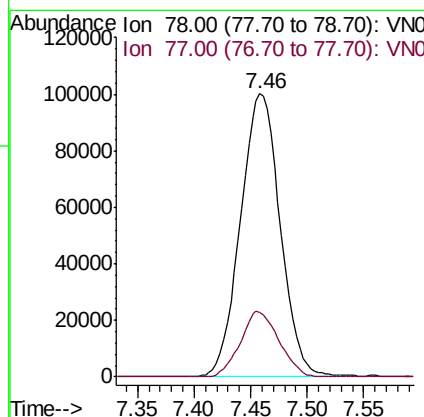
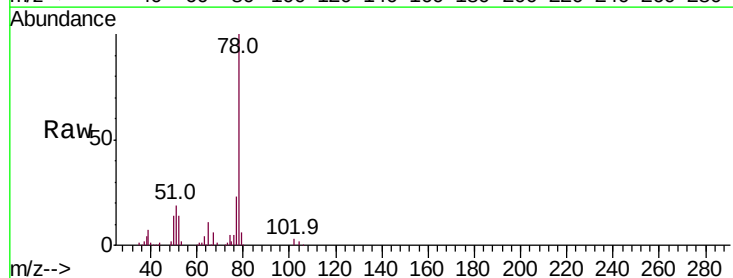
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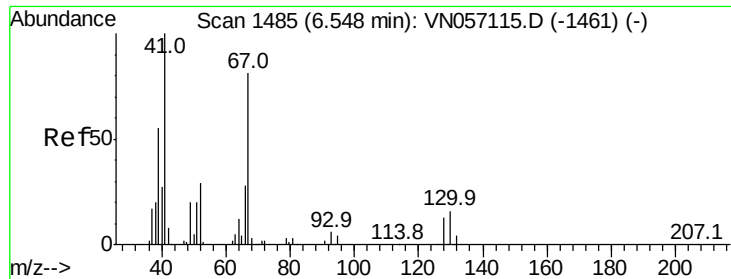
MMDadoda
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#40
Benzene
Concen: 5.067 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





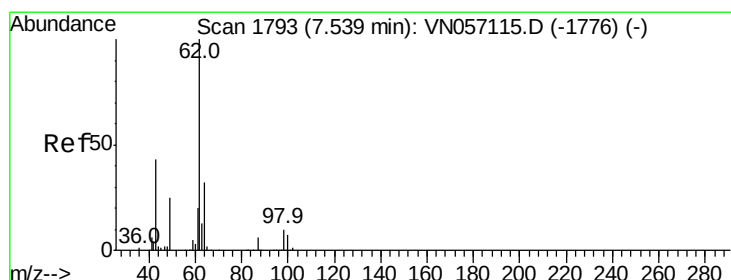
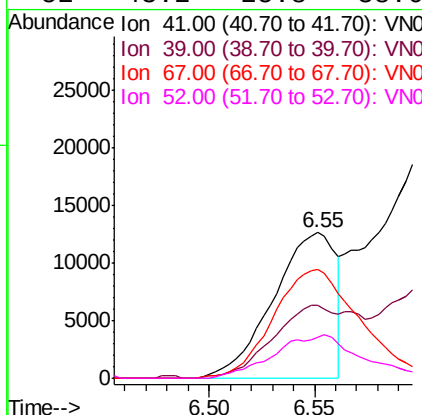
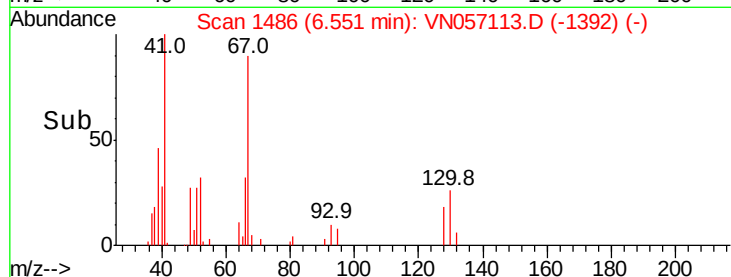
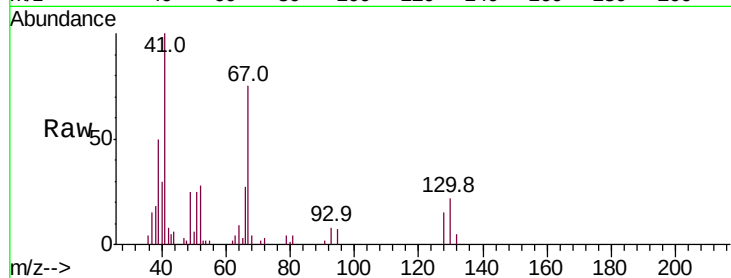
#41
Methacrylonitrile
Concen: 5.203 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
26106	41	100		
	39	50.3	44.9	67.3
	67	104.7	69.1	103.7#
	52	43.2	25.8	38.6#

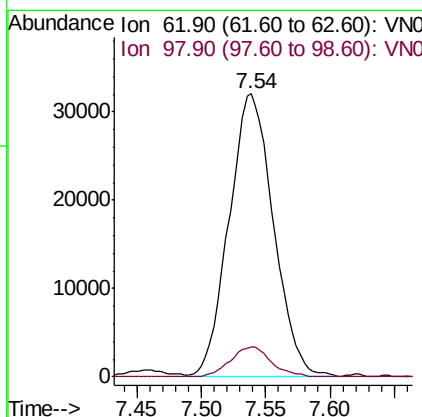
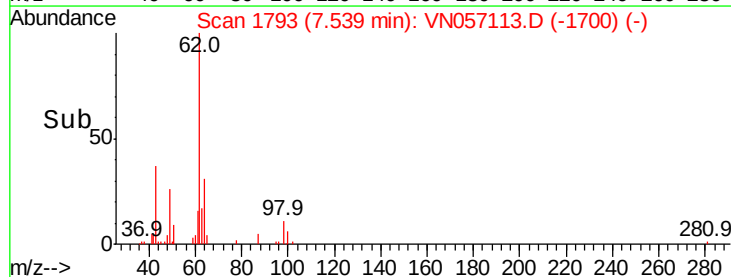
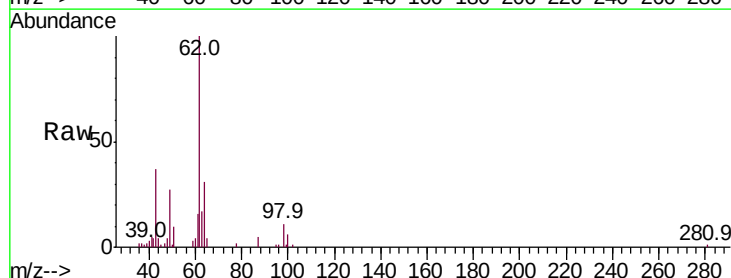
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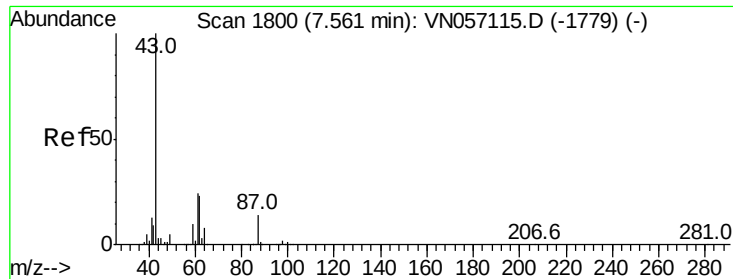
MMDadoda
8/8/2019 2:40:20 PM



#42
1,2-Dichloroethane
Concen: 5.087 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ion	Ratio	Lower	Upper
76893	62	100		
	98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 4.818 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

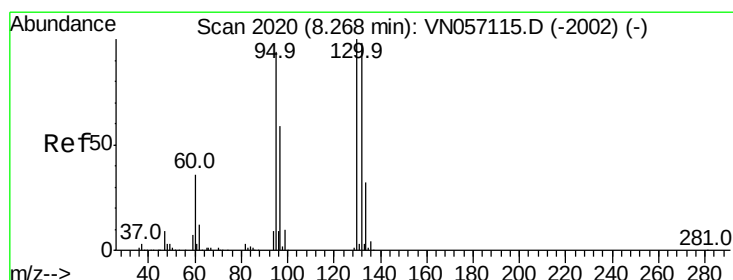
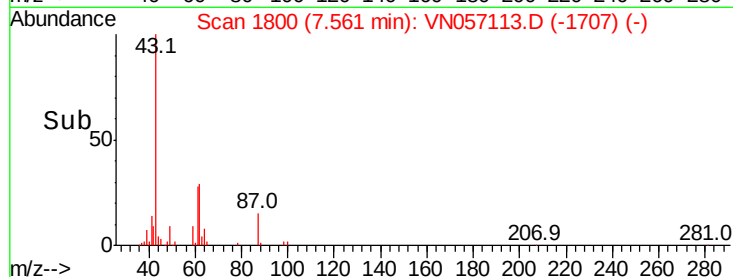
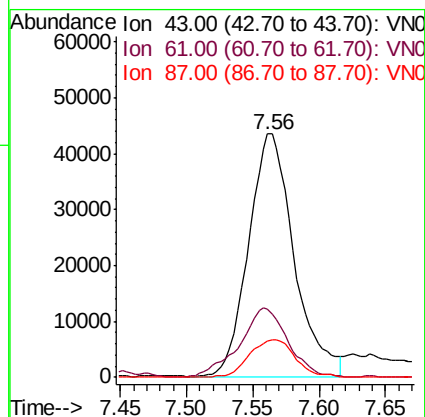
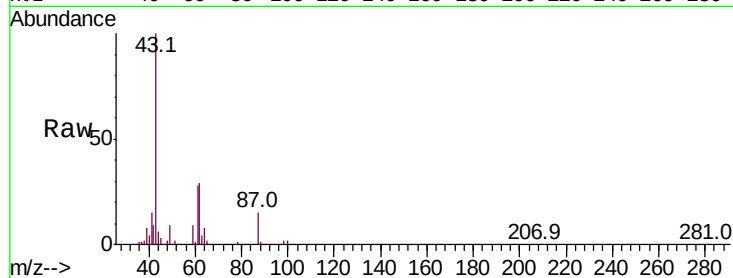
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	104800
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.2	36.2
87	15.5	11.8	17.8

Manual Integrations
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8/8/2019 2:40:20 PM



#44

Trichloroethene

Concen: 5.032 ug/l

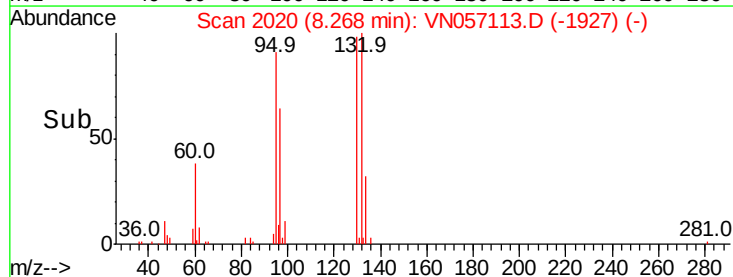
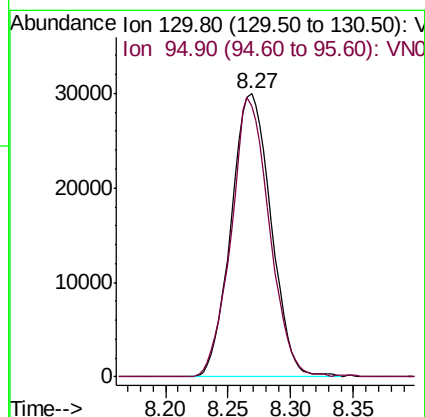
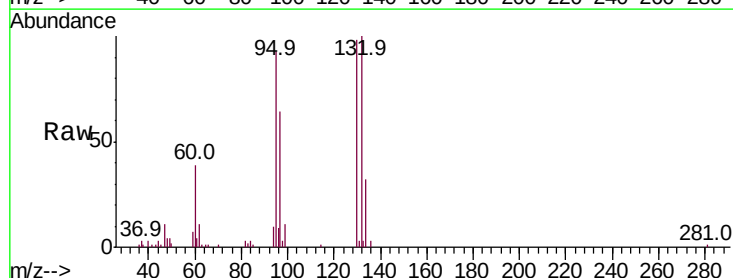
RT: 8.27 min Scan# 2020

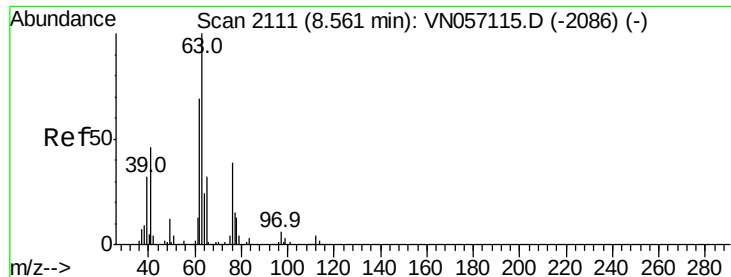
Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	130	Resp:	66385
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	187.4





#45

1,2-Dichloropropane

Concen: 5.003 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 62464

Ion Ratio Lower Upper

63 100

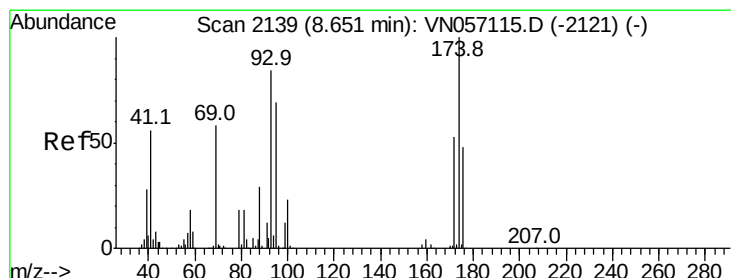
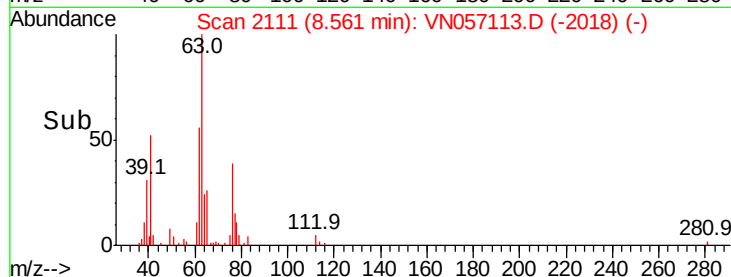
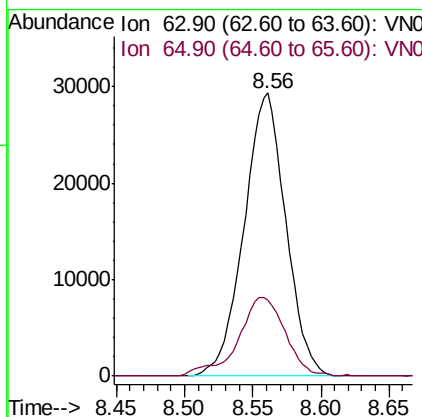
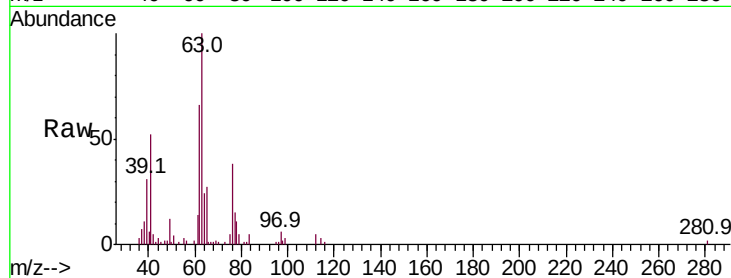
65 27.1 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 4.969 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

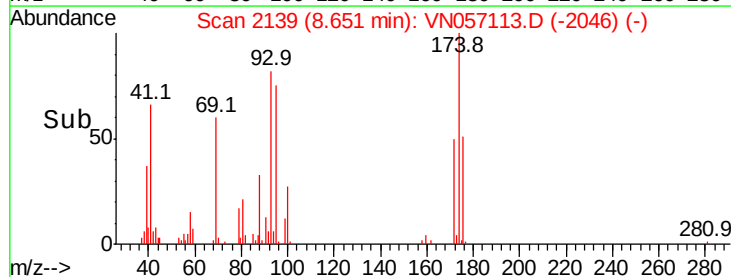
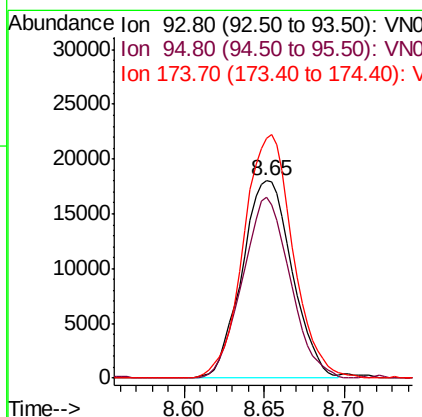
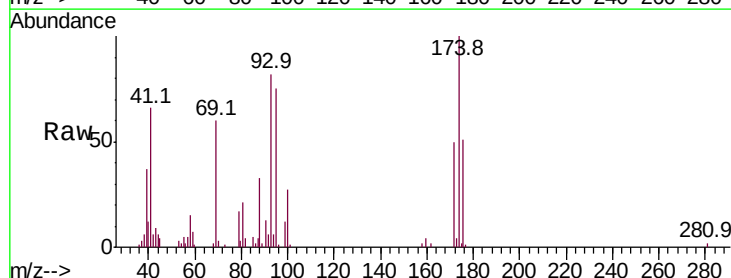
Tgt Ion: 93 Resp: 38636

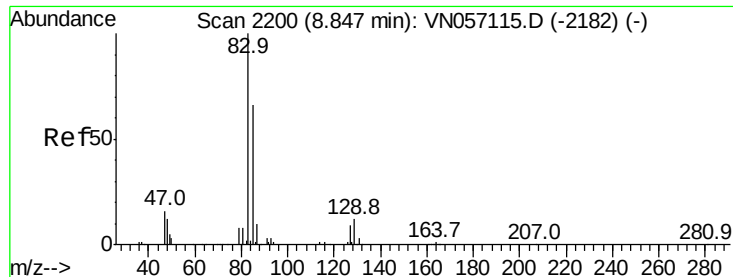
Ion Ratio Lower Upper

93 100

95 87.2 66.0 99.0

174 121.5 96.0 144.0





#47

Bromodichloromethane

Concen: 4.878 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

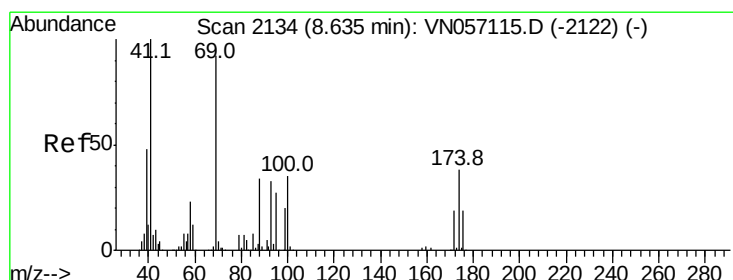
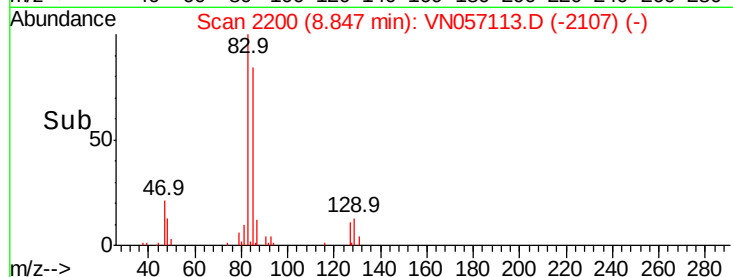
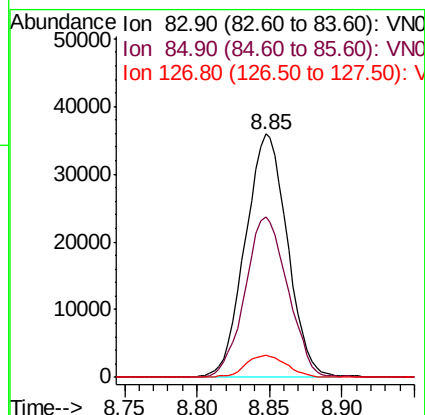
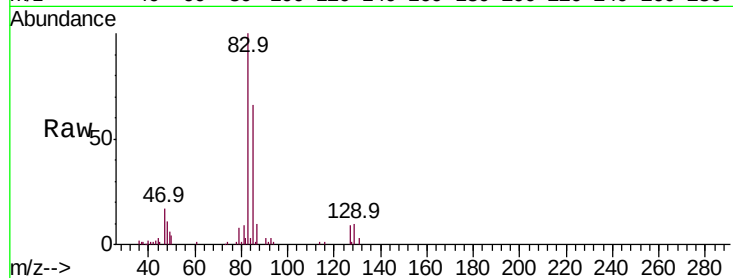
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	72765
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	78.8
127	8.9	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.082 ug/l

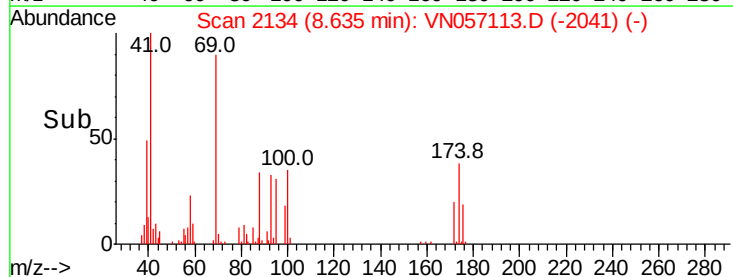
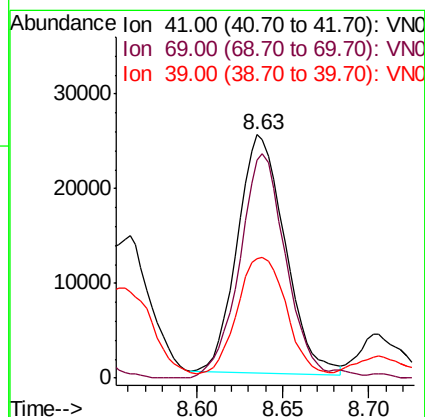
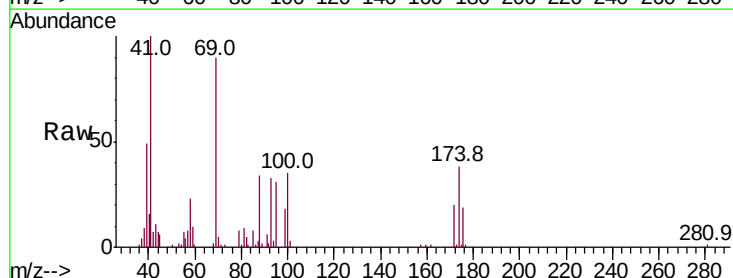
RT: 8.63 min Scan# 2134

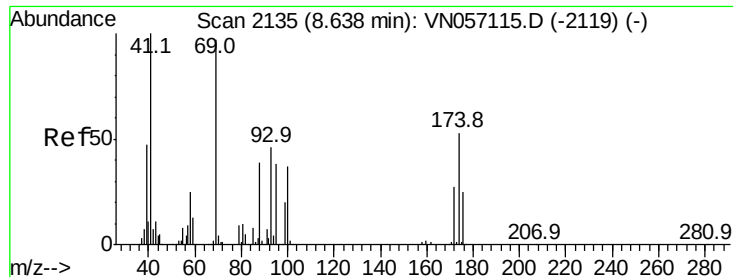
Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	41	Resp:	48640
Ion	Ratio	Lower	Upper
41	100		
69	92.1	77.5	116.3
39	49.8	39.8	59.6





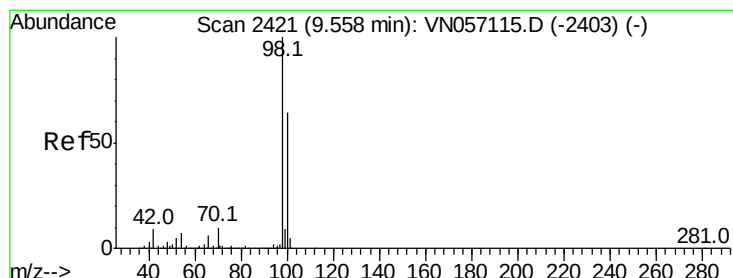
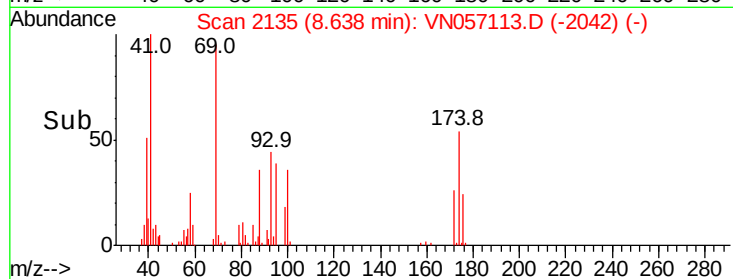
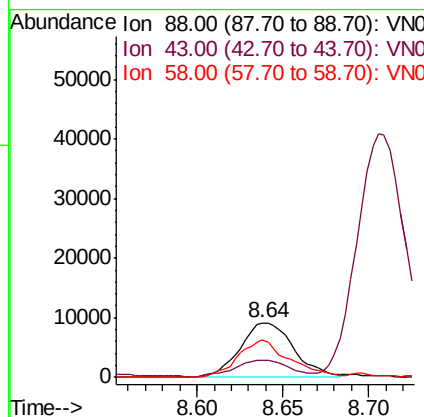
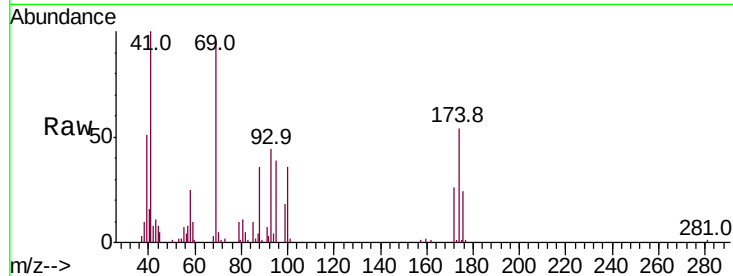
#49
1,4-Dioxane
Concen: 101.440 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	21.7	32.5#
58	65.6	51.1	76.7

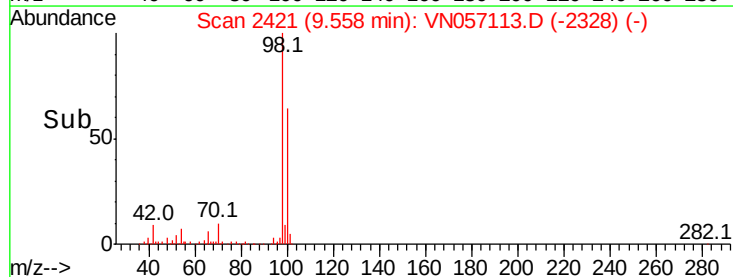
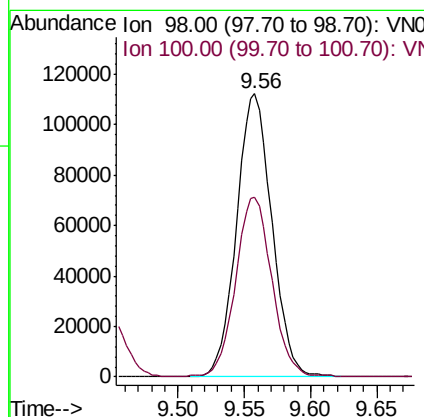
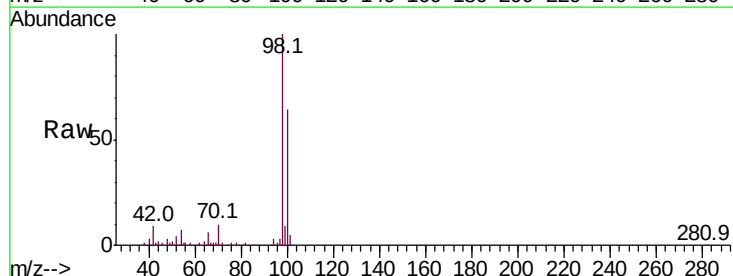
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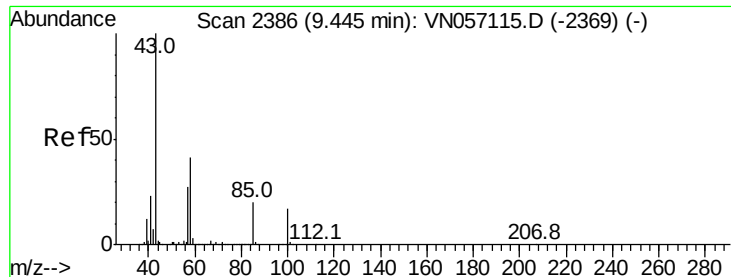
MMDadoda
8/8/2019 2:40:20 PM



#50
Toluene-d8
Concen: 4.873 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.2	76.8





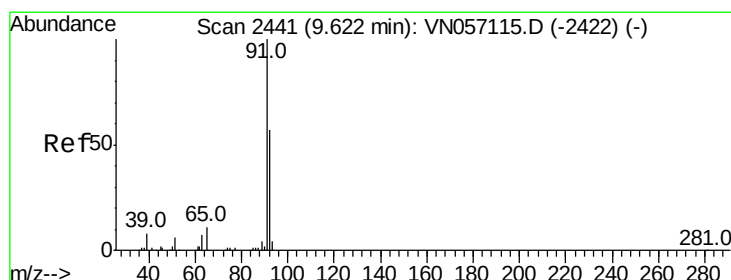
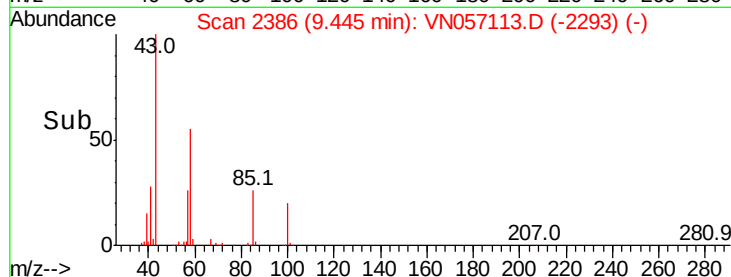
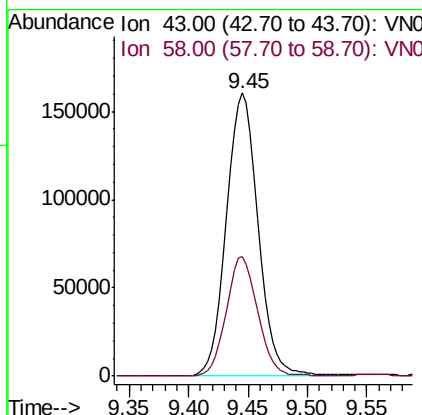
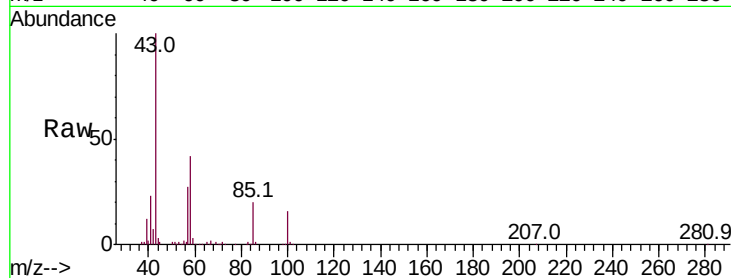
#51
4-Methyl-2-Pentanone
Concen: 27.204 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Ratio	100	Resp	295526
Ion	43	100		Lower	Upper
	58	42.0		33.2	49.8

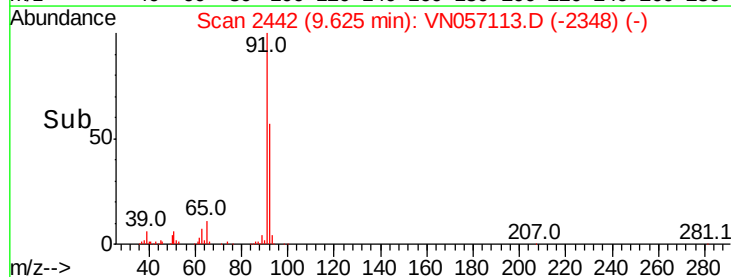
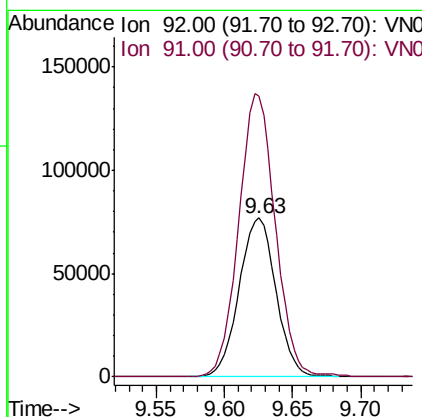
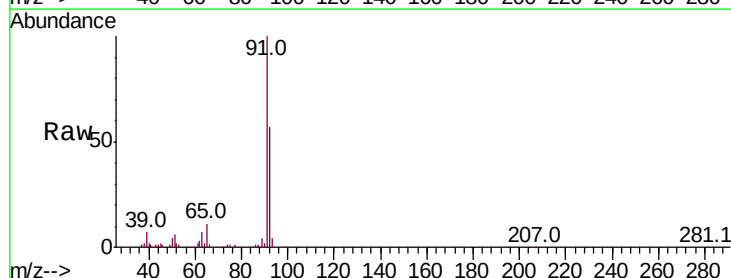
Manual Integrations
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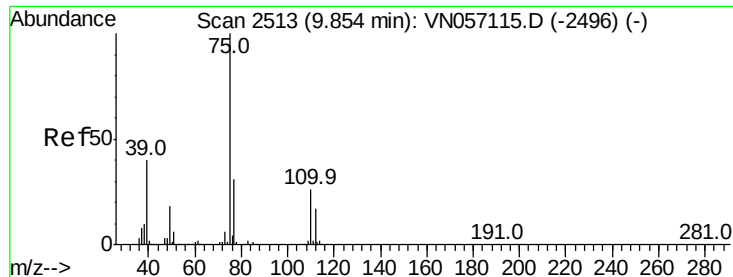
MMDadoda
8/8/2019 2:40:20 PM



#52
Toluene
Concen: 4.932 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	92	Ratio	100	Resp	144589
Ion	92	100		Lower	Upper
	91	176.8		139.8	209.8





#53

t-1,3-Dichloropropene

Concen: 4.579 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 71650

Ion Ratio Lower Upper

75 100

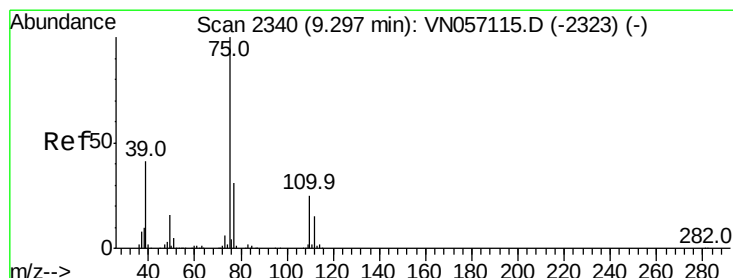
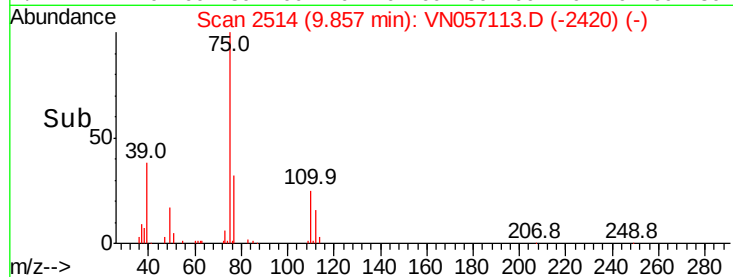
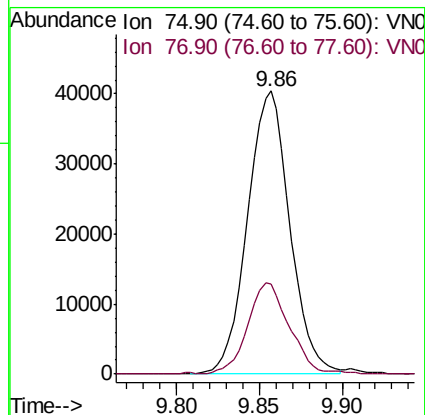
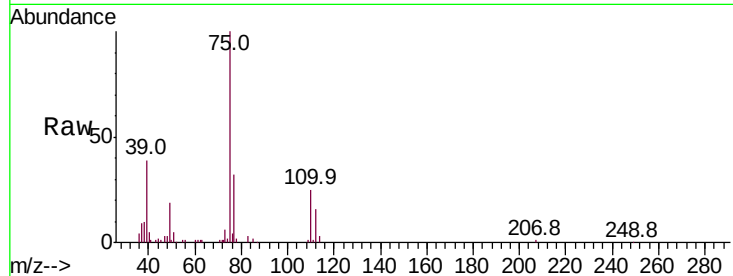
77 31.3 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.674 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

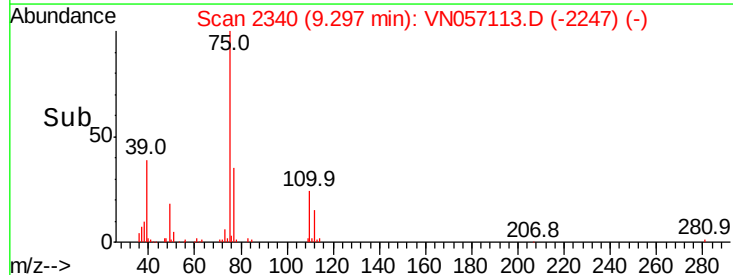
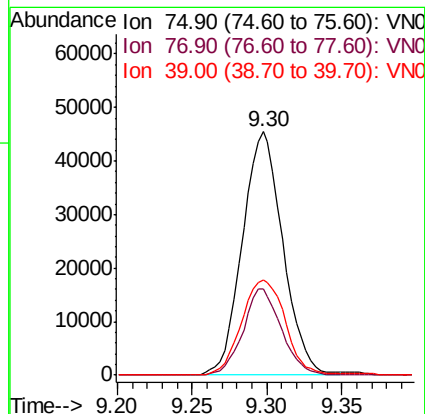
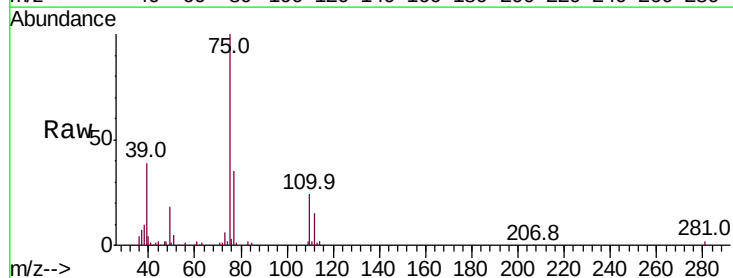
Tgt Ion: 75 Resp: 85745

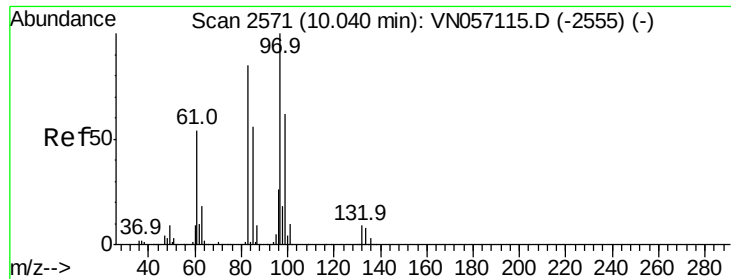
Ion Ratio Lower Upper

75 100

77 35.2 25.1 37.7

39 38.8 32.5 48.7





#55

1,1,2-Trichloroethane

Concen: 5.218 ug/l

RT: 10.04 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 58375

Ion Ratio Lower Upper

97 100

83 80.4 67.8 101.8

85 53.2 44.4 66.6

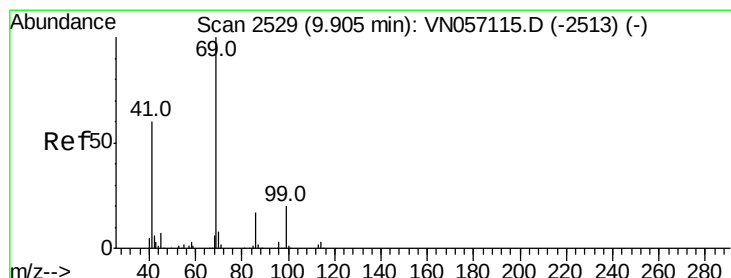
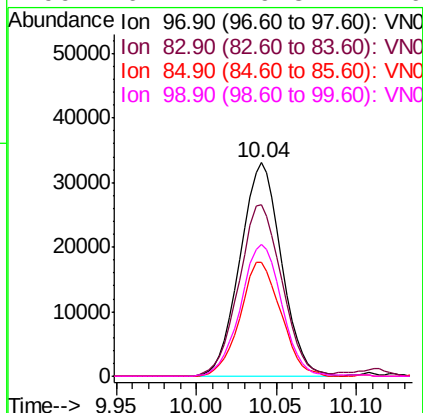
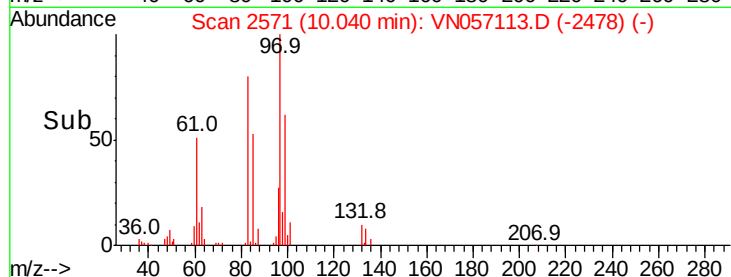
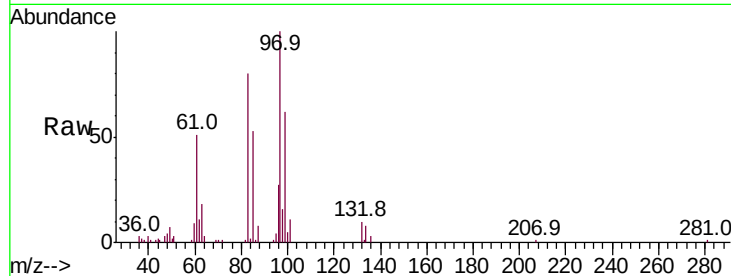
99 61.7 49.8 74.6

Manual Integrations

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#56

Ethyl methacrylate

Concen: 4.713 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

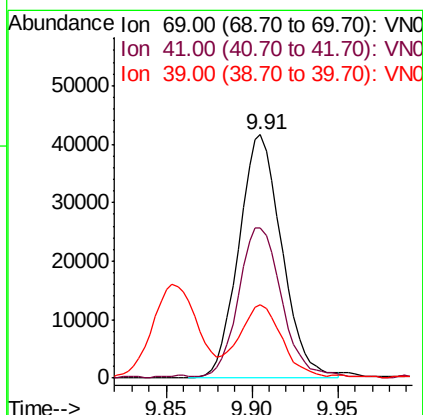
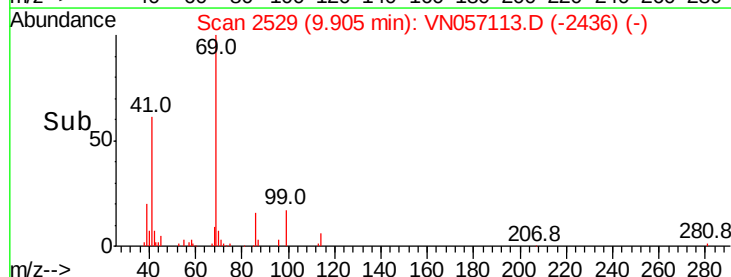
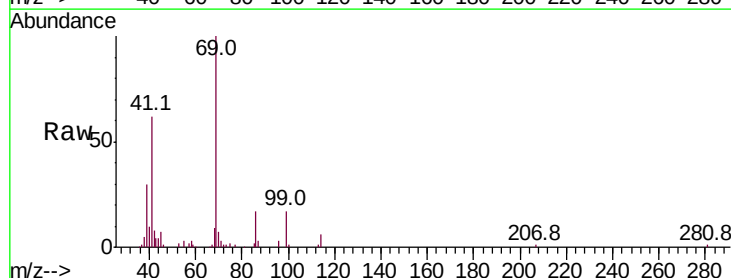
Tgt Ion: 69 Resp: 72244

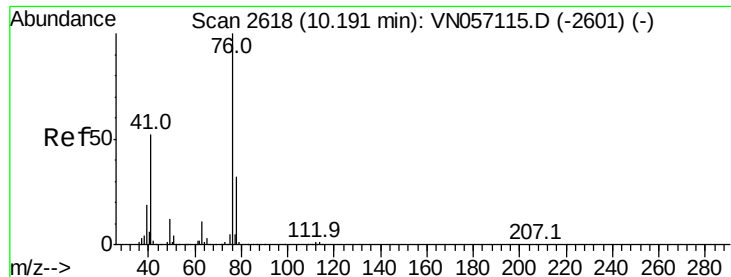
Ion Ratio Lower Upper

69 100

41 63.1 48.1 72.1

39 28.3 23.6 35.4





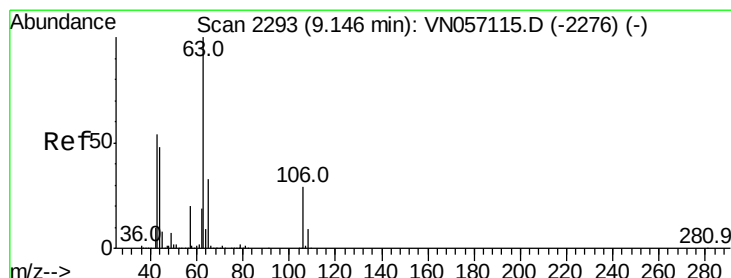
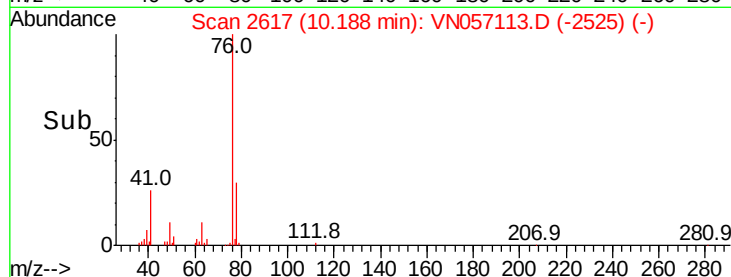
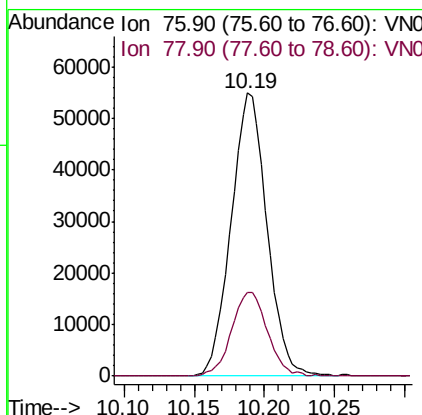
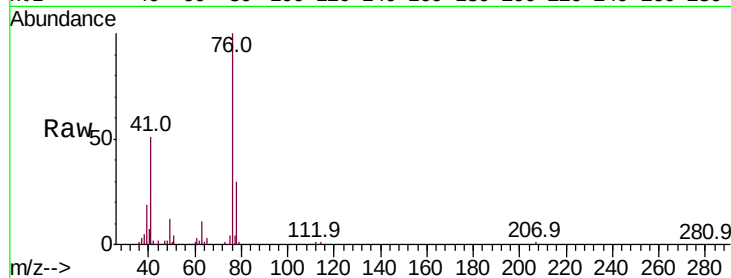
#57
 1,3-Dichloropropane
 Concen: 5.266 ug/l
 RT: 10.19 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	29.9	25.9	38.9

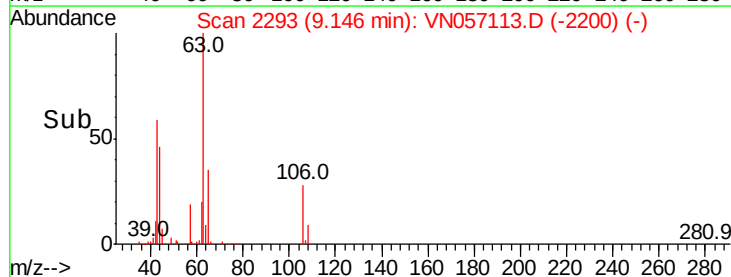
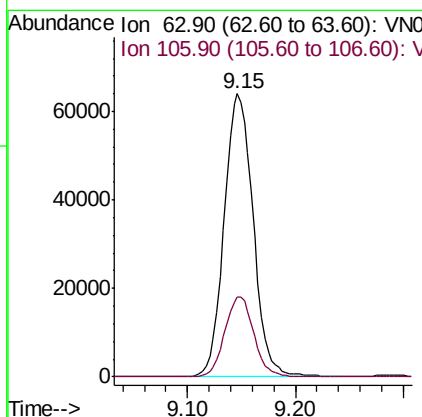
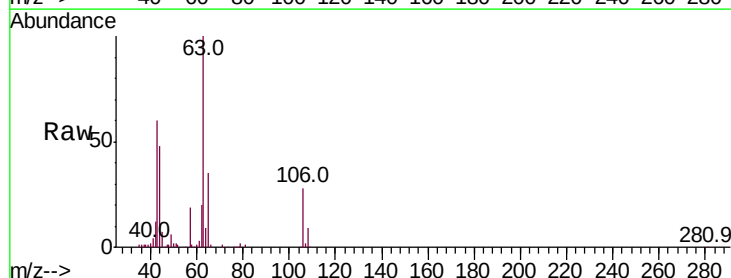
Manual Integrations
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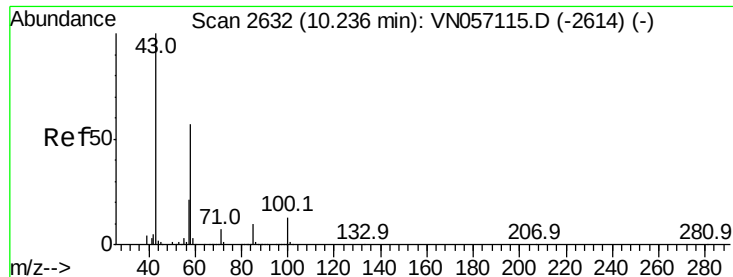
MMDadoda
 8/8/2019 2:40:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.661 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.6	33.8





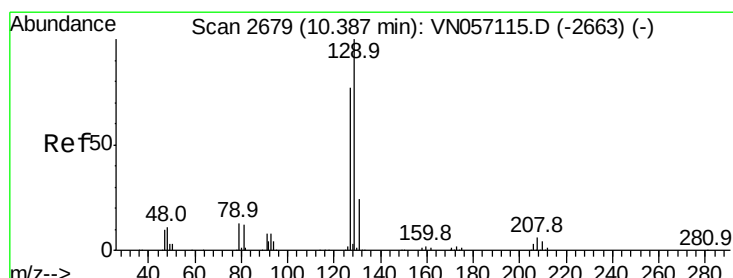
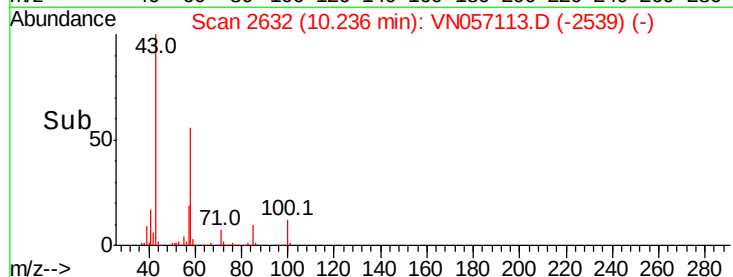
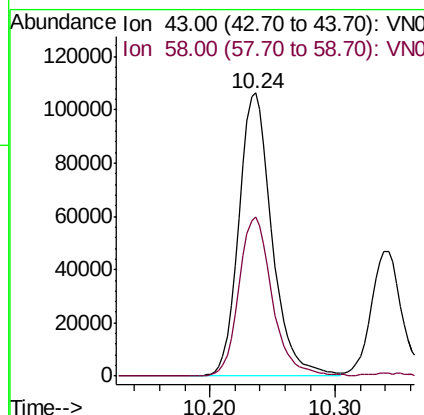
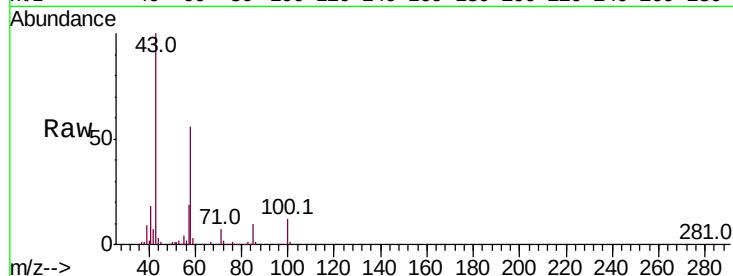
#59
2-Hexanone
Concen: 25.050 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	29.2	87.6

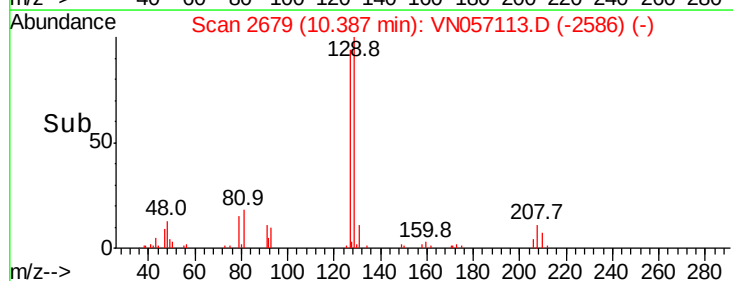
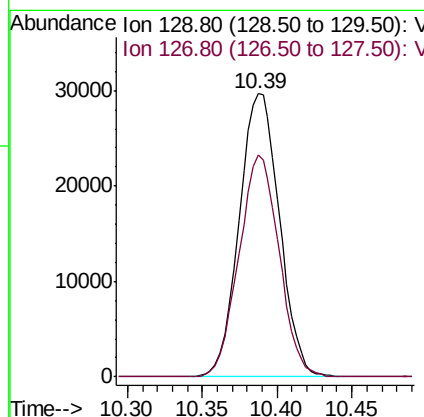
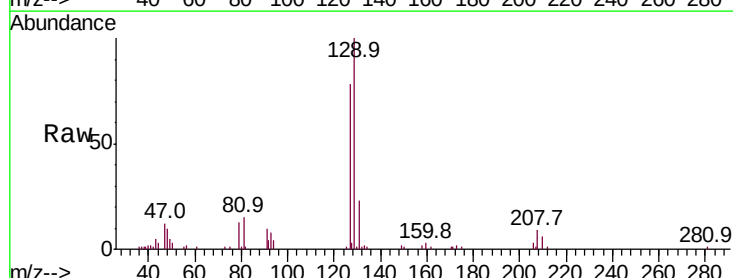
Manual Integrations
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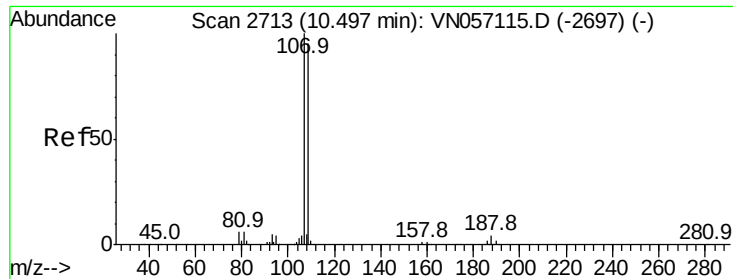
MMDadoda
8/8/2019 2:40:20 PM



#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	116.0





#61

1,2-Dibromoethane

Concen: 4.888 ug/l

RT: 10.49 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 55850

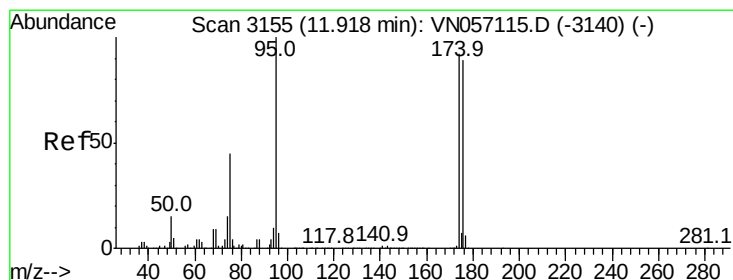
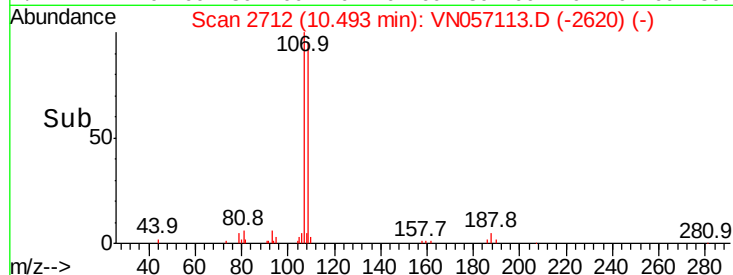
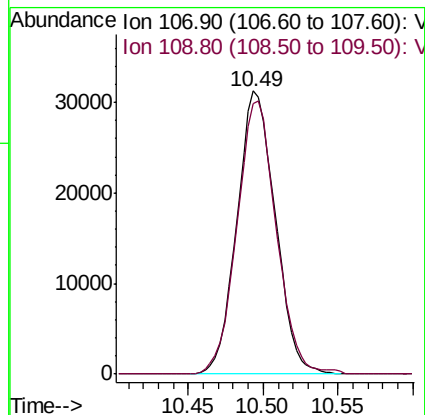
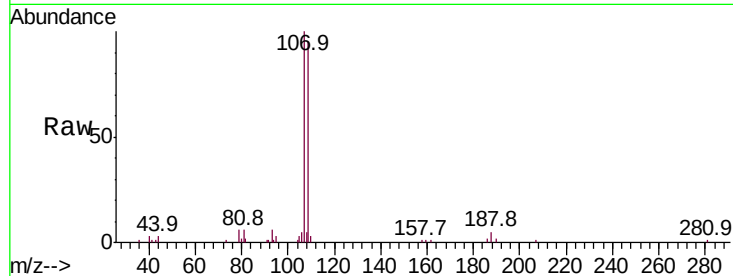
Ion Ratio Lower Upper

107 100

109 98.7 75.6 113.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 4.075 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

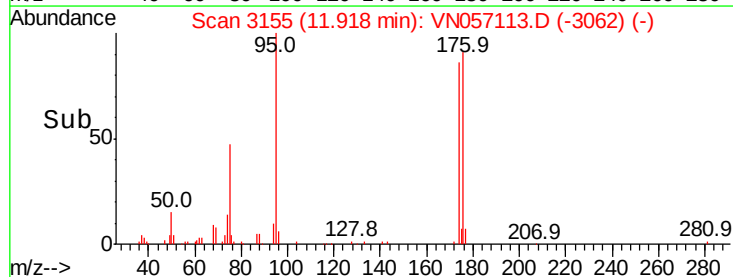
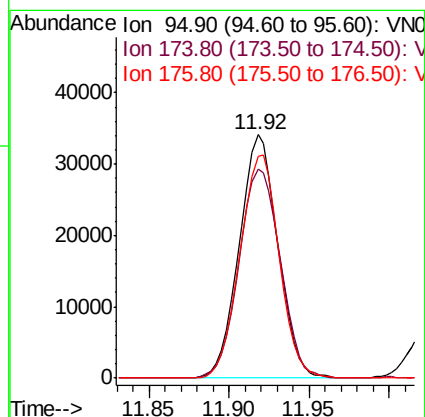
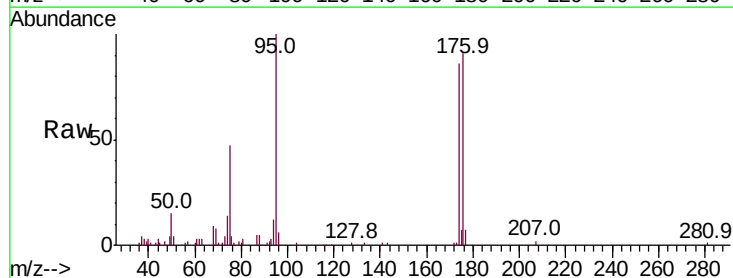
Tgt Ion: 95 Resp: 56053

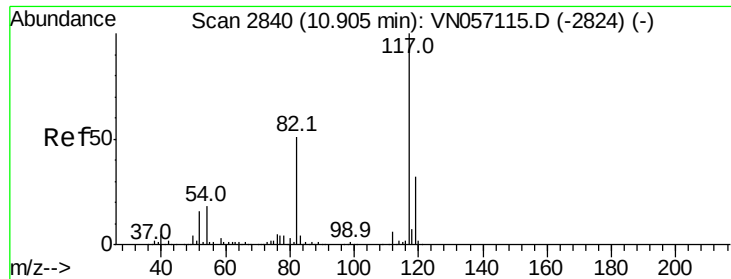
Ion Ratio Lower Upper

95 100

174 91.8 0.0 185.0

176 93.0 0.0 181.2





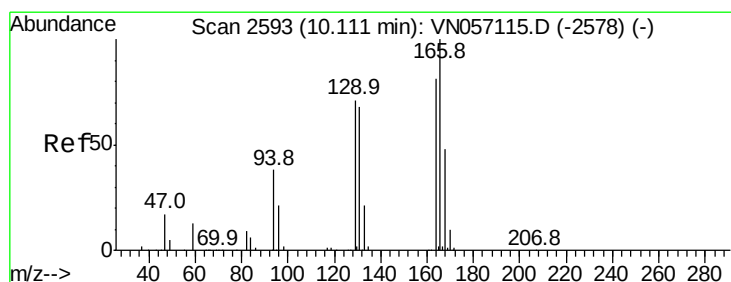
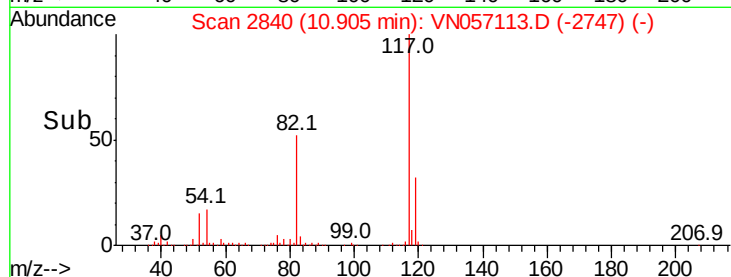
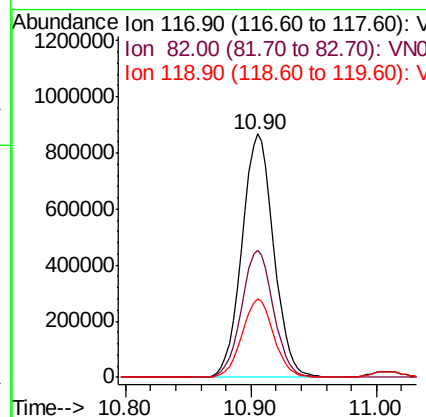
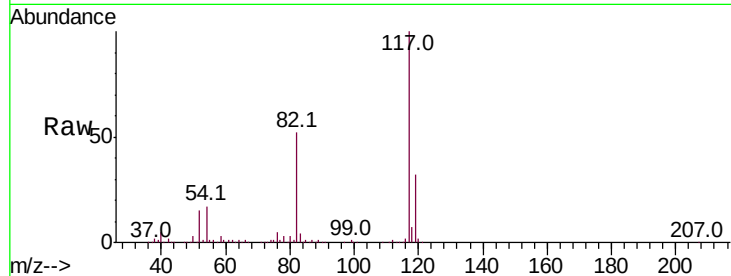
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.8	61.2
119	32.3	25.7	38.5

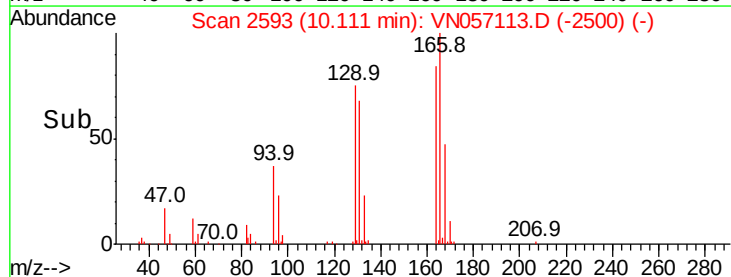
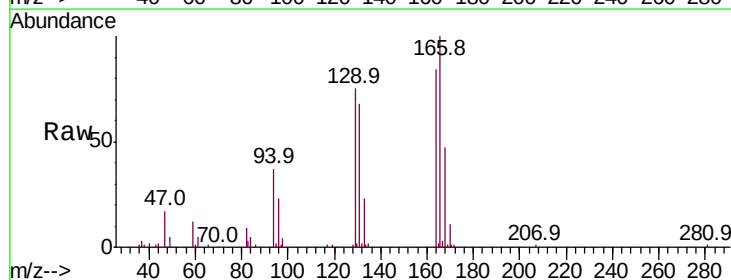
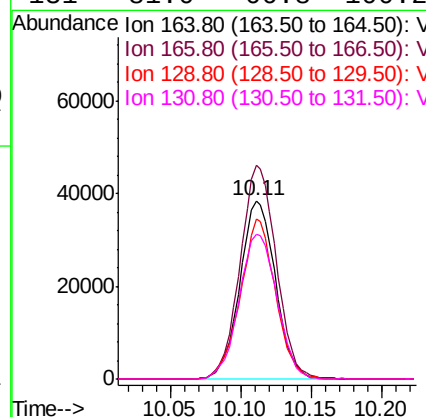
Manual Integrations
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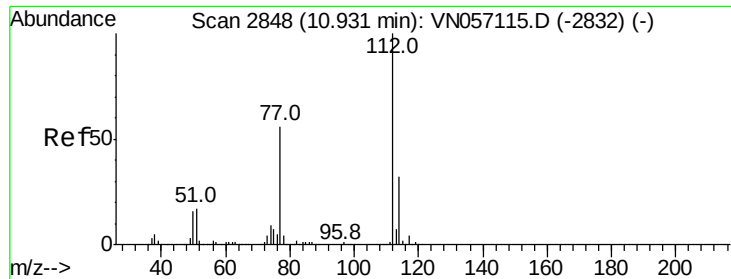
MMDadoda
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#64
Tetrachloroethene
Concen: 5.308 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.6	98.3	147.5
129	89.4	69.8	104.6
131	81.0	66.8	100.2





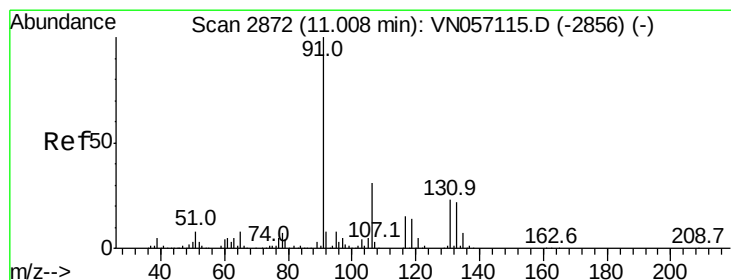
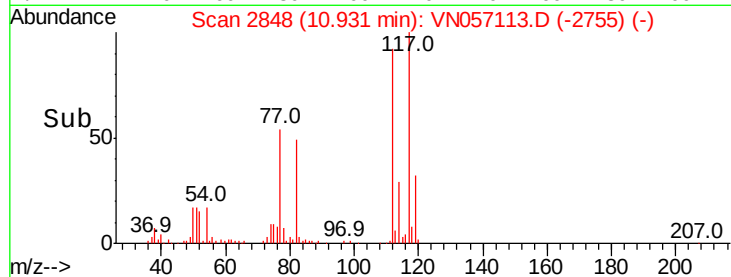
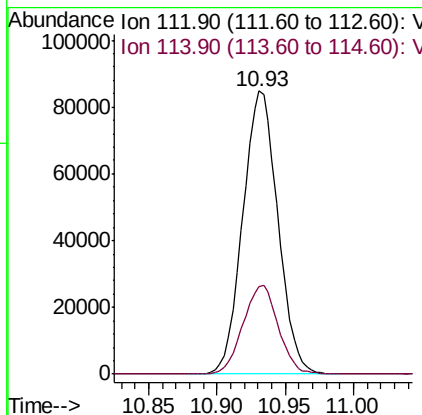
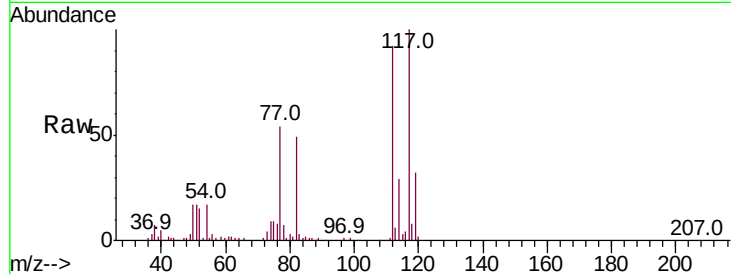
#65
Chlorobenzene
Concen: 4.923 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
112	100	151388		
114	30.9	25.4	38.2	

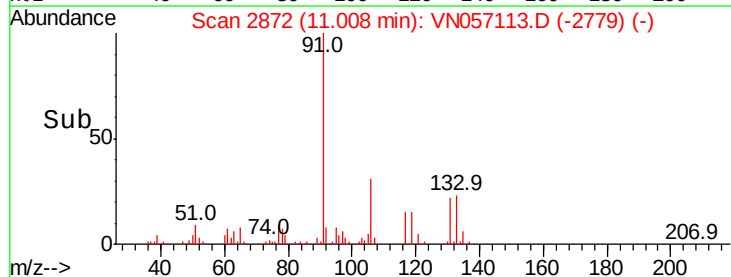
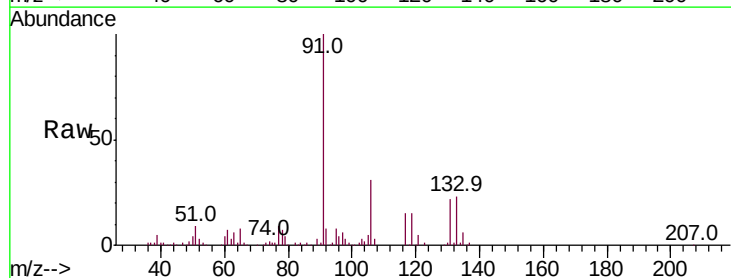
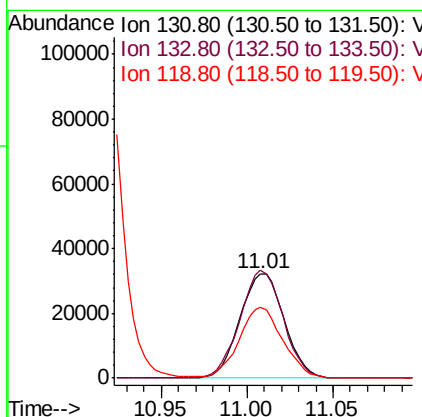
Manual Integrations
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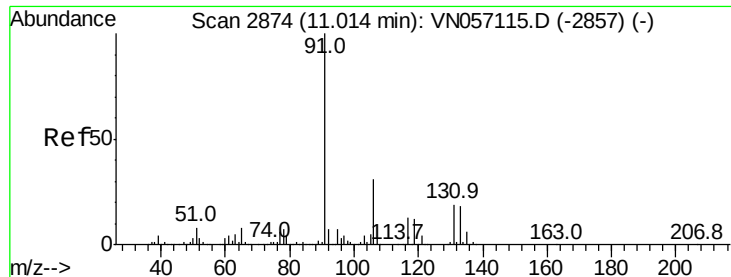
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.090 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	57669		
133	100.1	47.6	142.8	
119	67.0	32.6	97.7	





#67

Ethyl Benzene

Concen: 4.986 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 263935

Ion Ratio Lower Upper

91 100

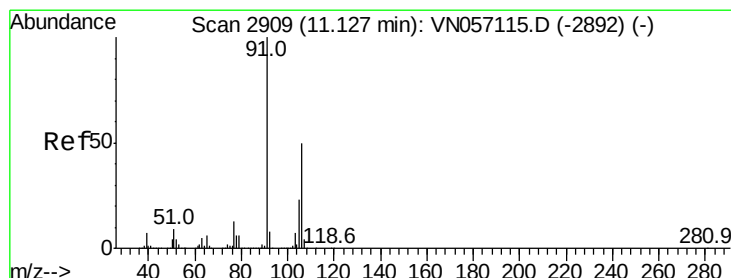
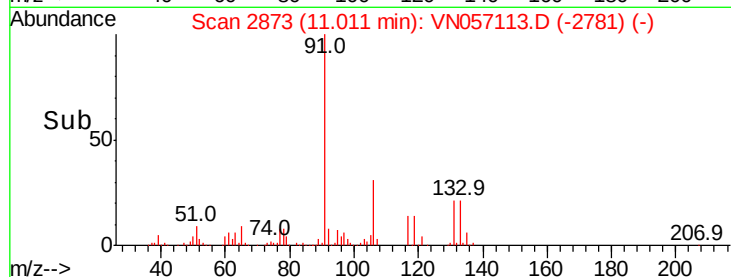
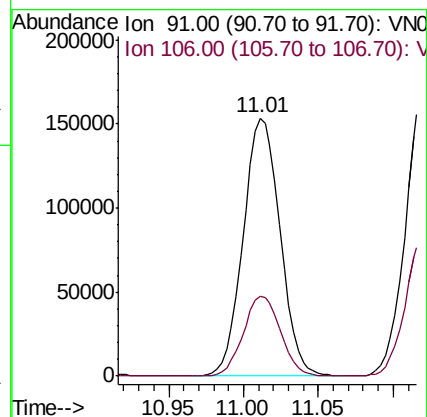
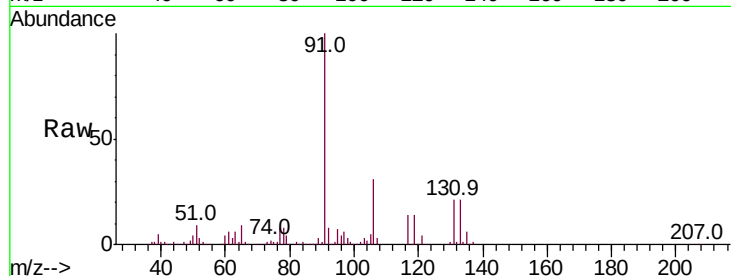
106 31.2 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 9.441 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057113.D

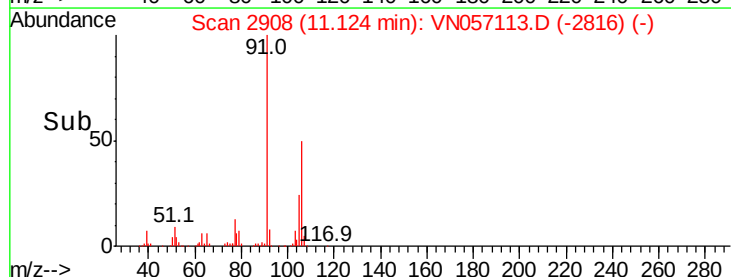
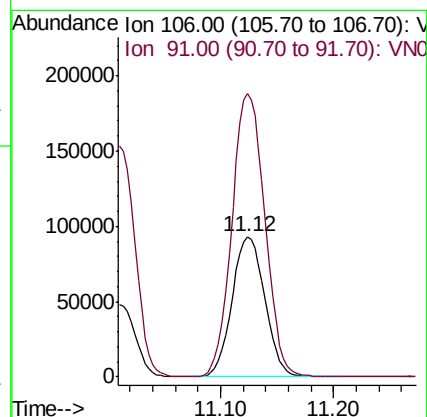
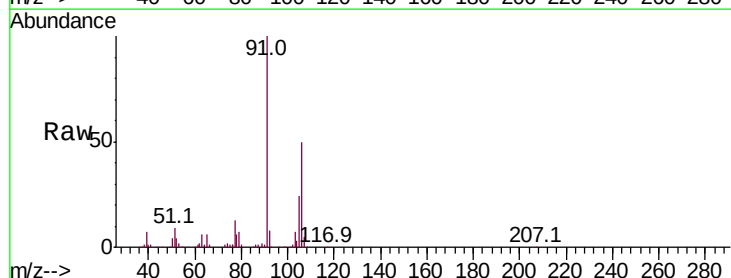
Acq: 7 Aug 2019 19:18

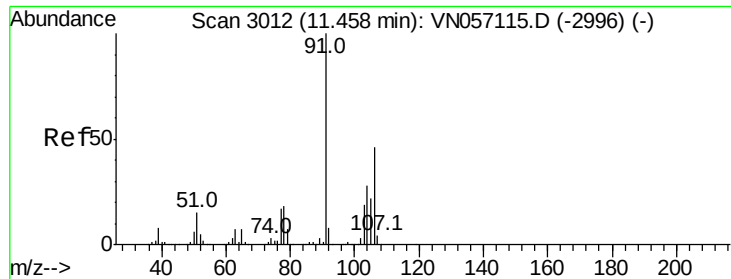
Tgt Ion: 106 Resp: 188225

Ion Ratio Lower Upper

106 100

91 202.3 159.8 239.8





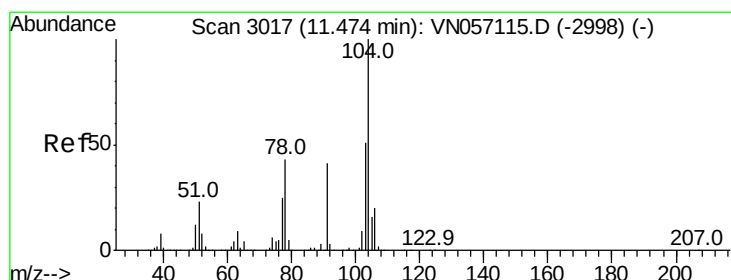
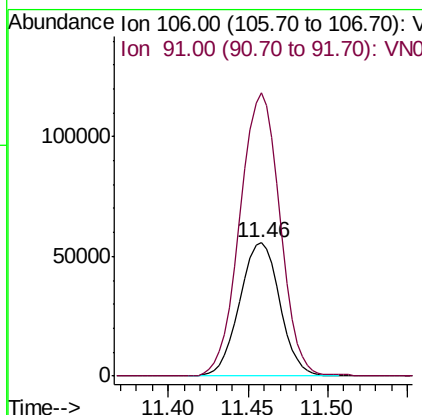
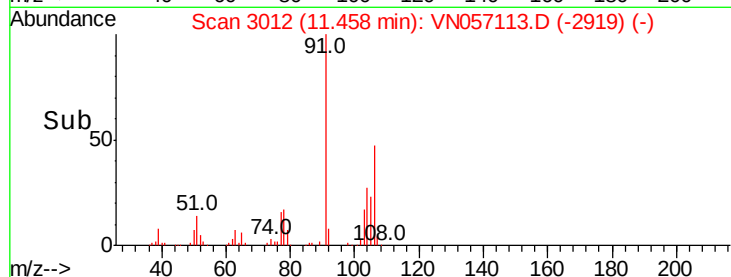
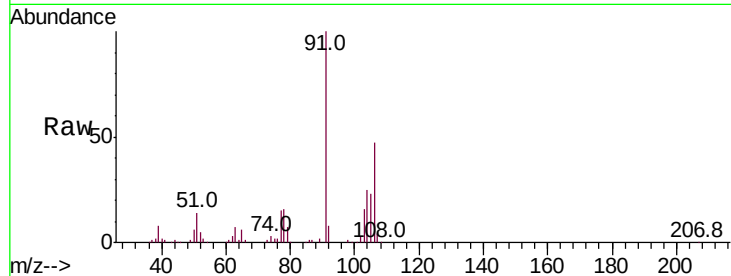
#69
o-Xylene
Concen: 4.870 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	106.8	320.5

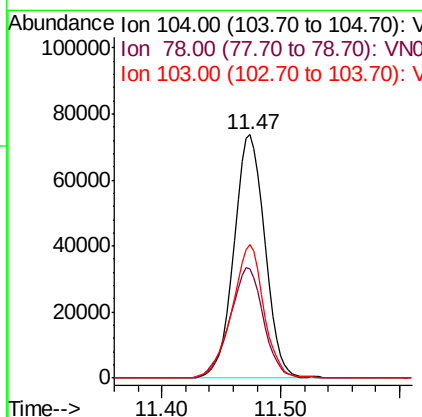
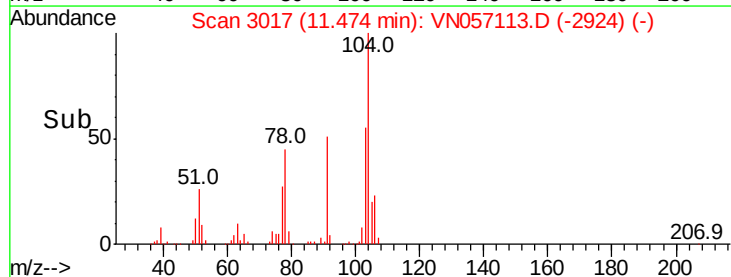
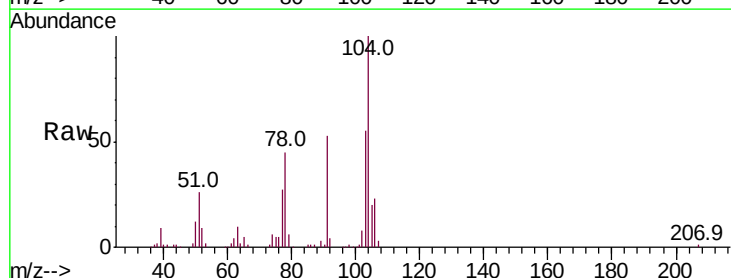
Manual Integrations
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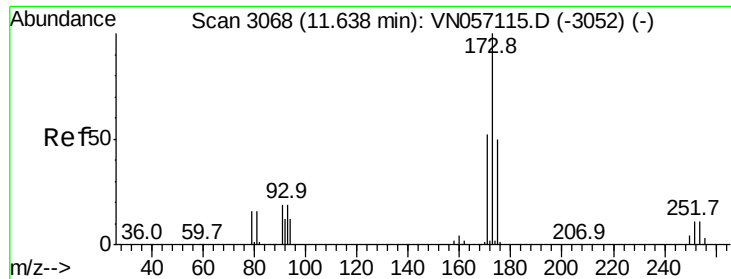
MMDadoda
8/8/2019 2:40:20 PM



#70
Styrene
Concen: 4.264 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.5	57.7
103	56.5	44.6	66.8





#71

Bromoform

Concen: 4.649 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:173 Resp: 37205

Ion Ratio Lower Upper

173 100

175 52.0 24.6 73.8

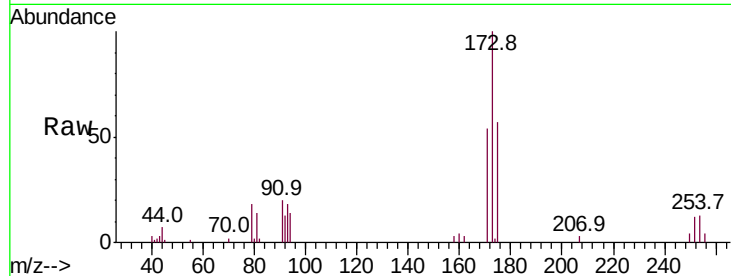
254 0.0 0.1 0.1#

Manual Integrations

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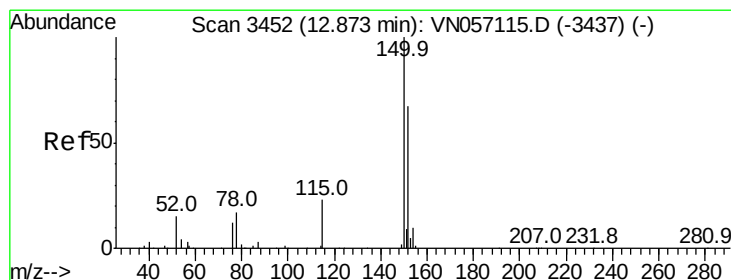
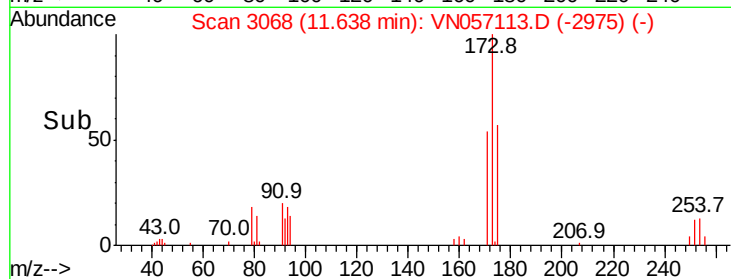
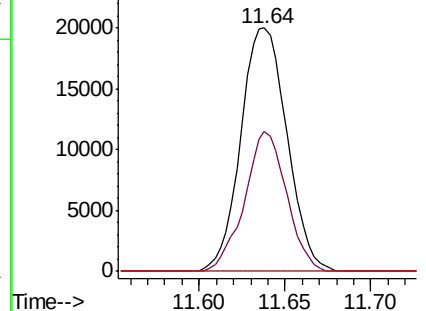
8/8/2019 2:40:20 PM



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: VN057113.D

Acq: 7 Aug 2019 19:18

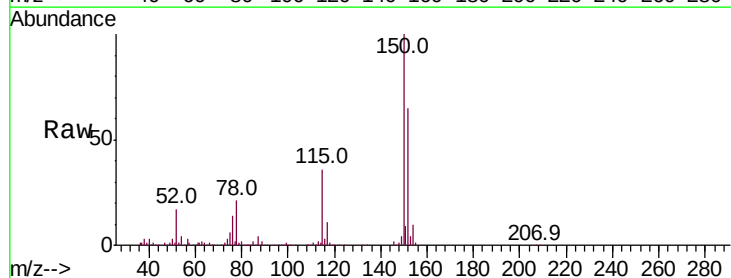
Tgt Ion:152 Resp: 418065

Ion Ratio Lower Upper

152 100

115 54.8 27.5 82.5

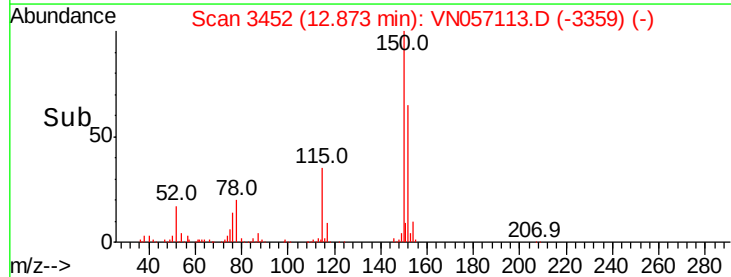
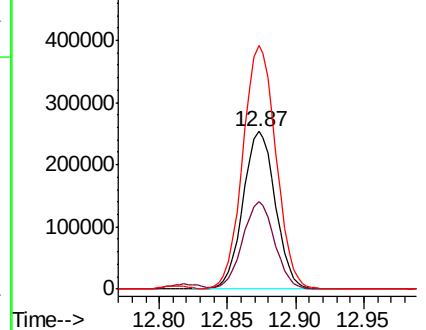
150 157.4 0.0 341.6

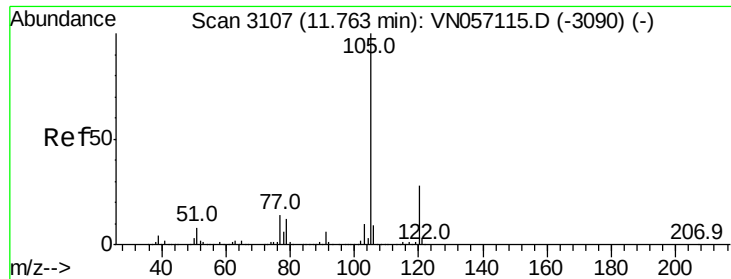


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 7.135 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 242326

Ion Ratio Lower Upper

105 100

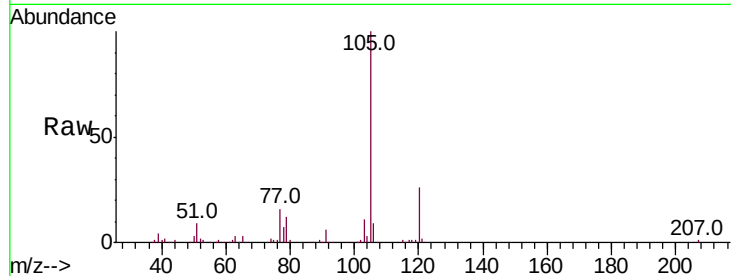
120 27.1 13.7 41.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.76

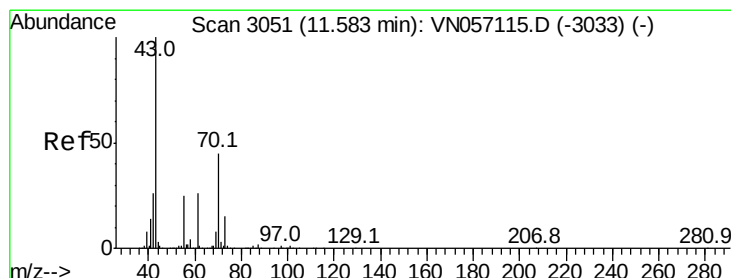
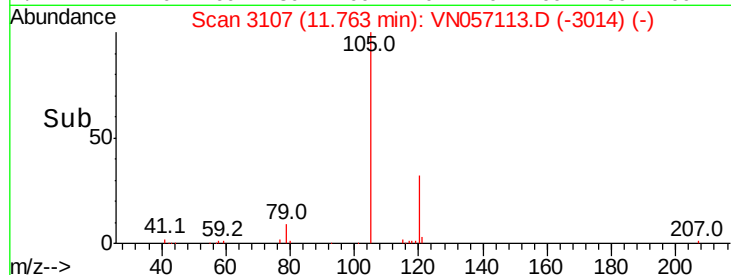
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 6.242 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion: 43 Resp: 62217

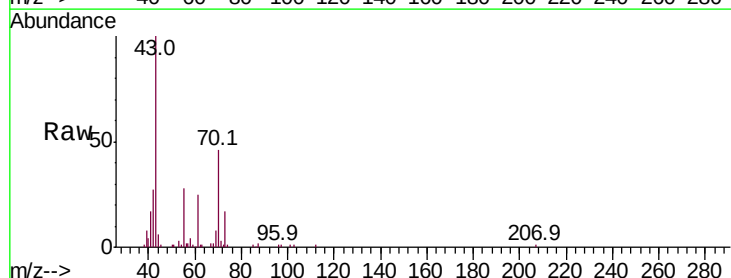
Ion Ratio Lower Upper

43 100

70 47.2 36.8 55.2

55 28.2 20.6 31.0

61 24.7 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

11.58

50000

40000

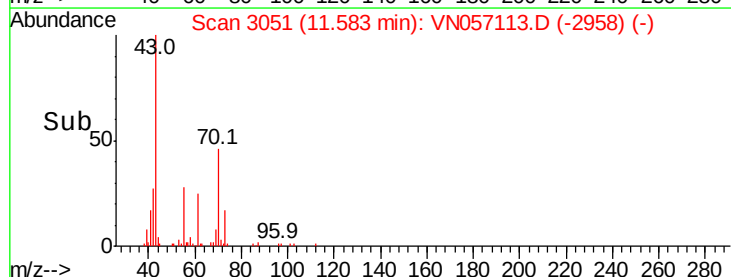
30000

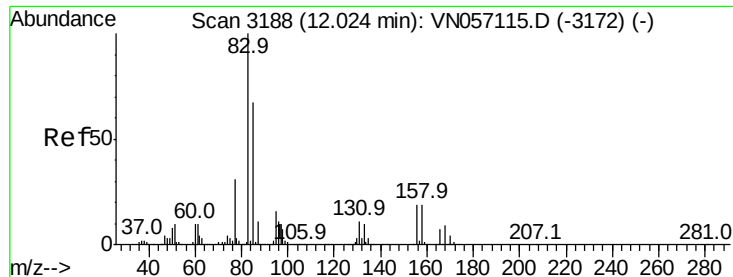
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 7.563 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

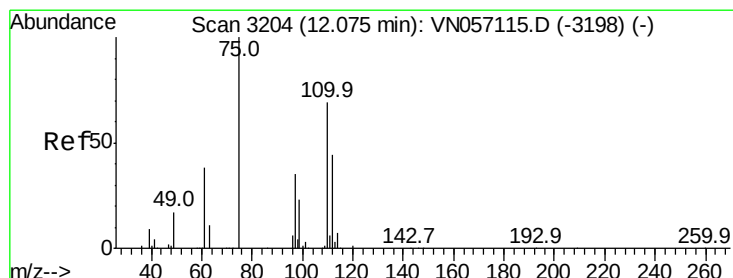
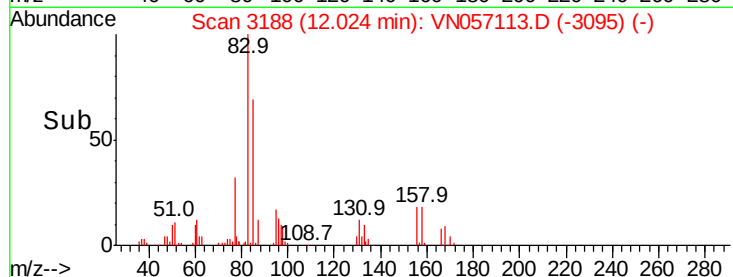
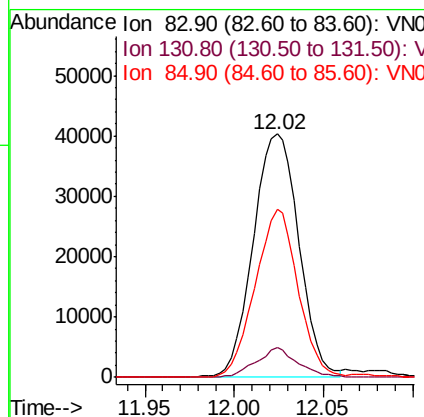
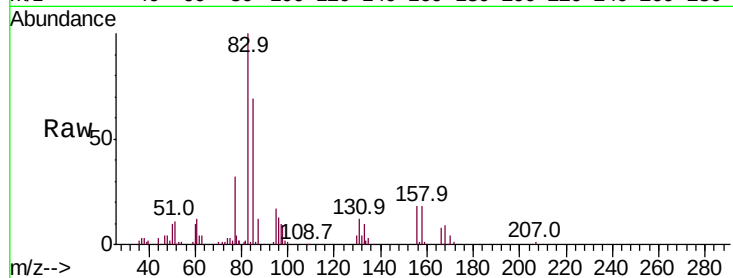
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	72255
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.6	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 8.068 ug/l m

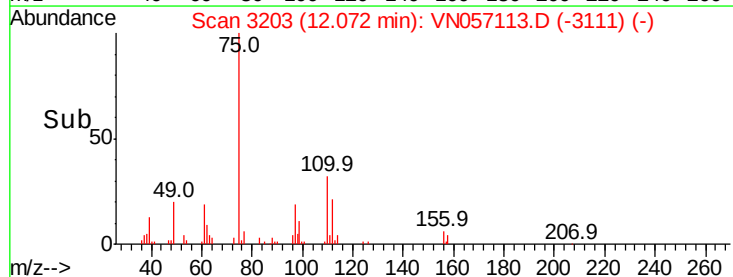
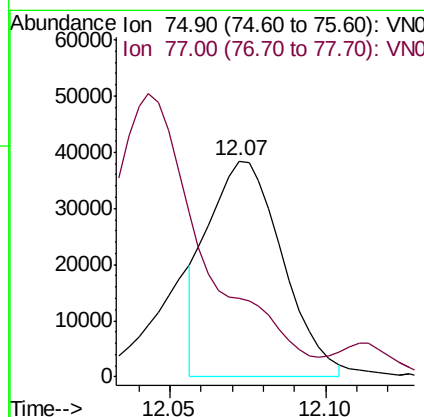
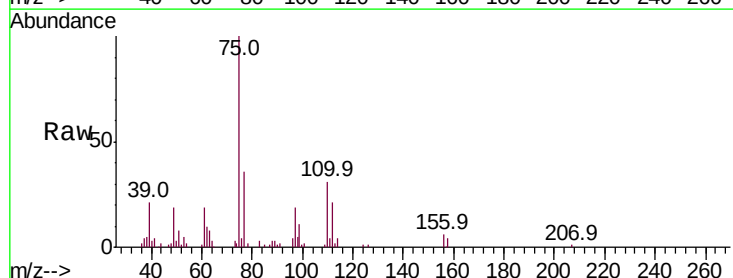
RT: 12.07 min Scan# 3203

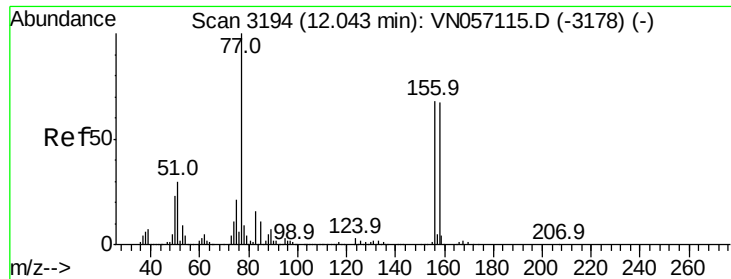
Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	75	Resp:	63679
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 6.492 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 58714

Ion Ratio Lower Upper

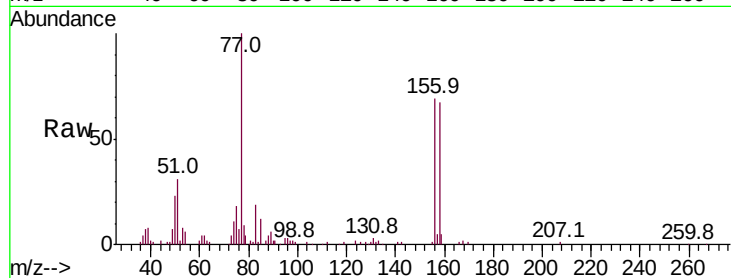
156 100

77 183.9 88.7 266.1

158 99.1 49.3 147.8

Manual Integrations
APPROVED

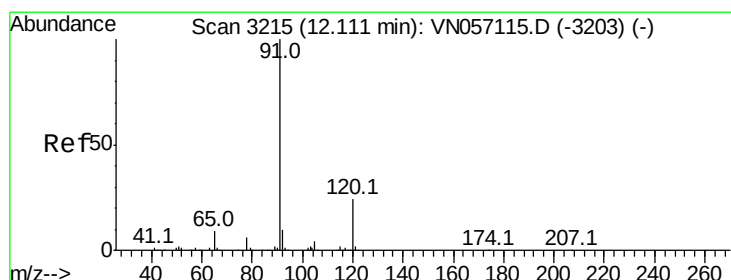
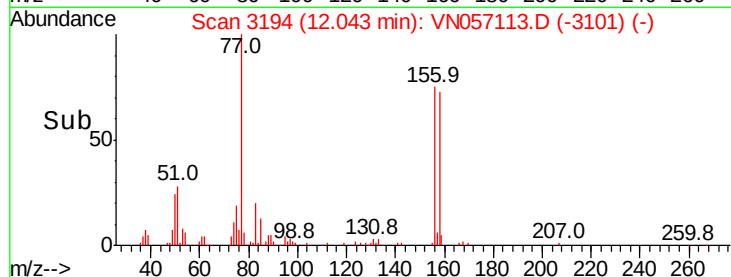
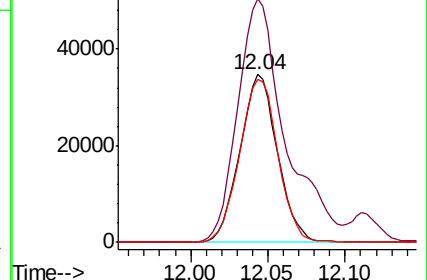
MMDadoda
8/8/2019 2:40:20 PM



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: 6.624 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VN057113.D

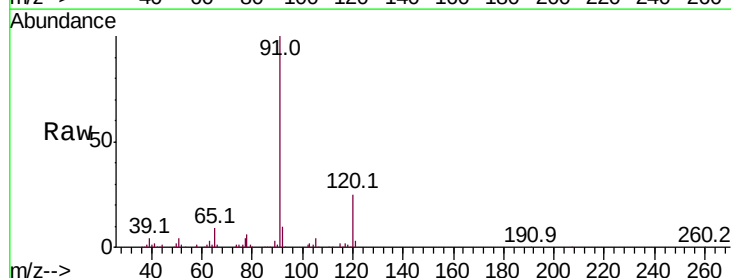
Acq: 7 Aug 2019 19:18

Tgt Ion: 91 Resp: 230729

Ion Ratio Lower Upper

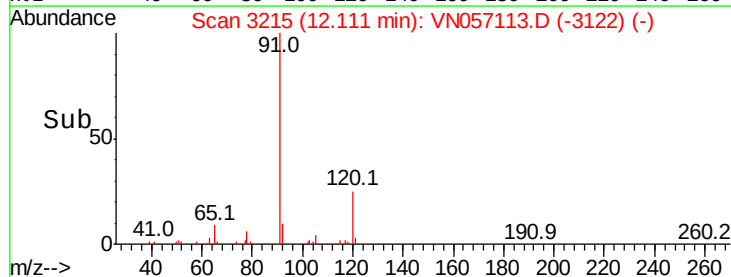
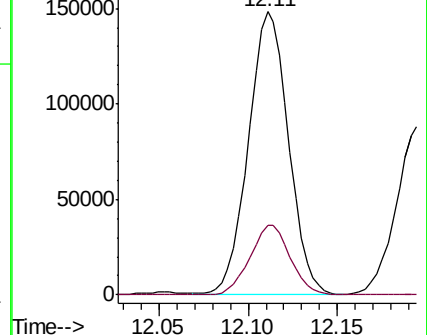
91 100

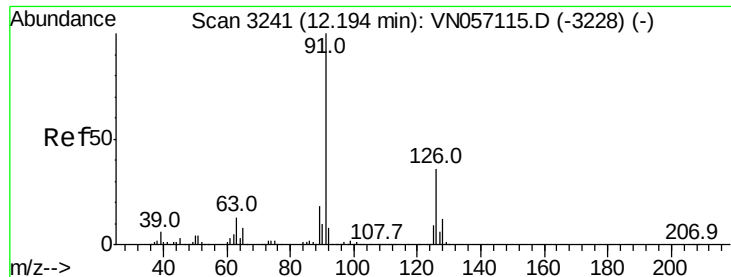
120 24.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.663 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 148483

Ion Ratio Lower Upper

91 100

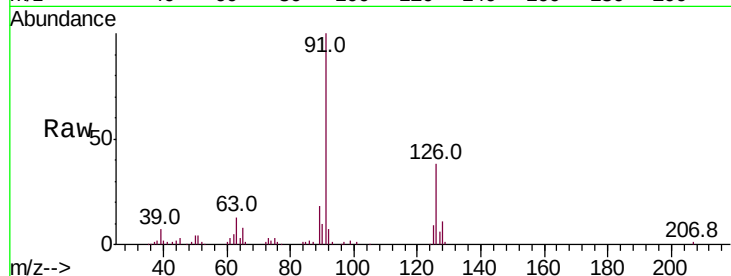
126 38.3 18.1 54.3

Manual Integrations

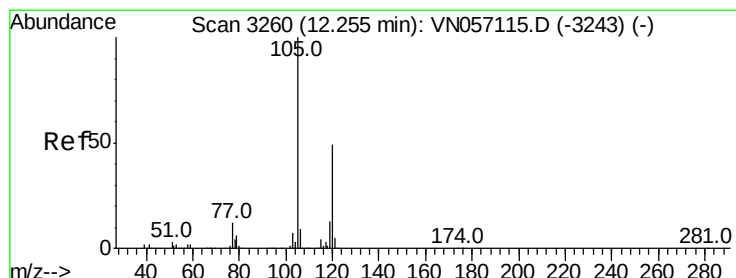
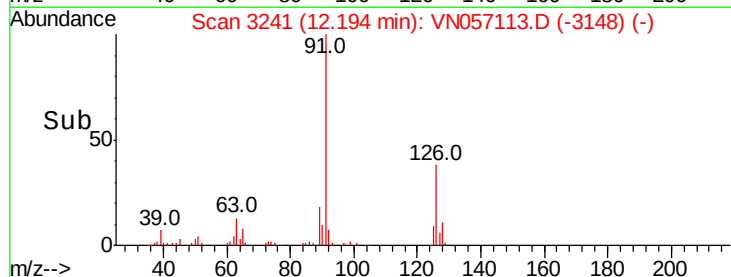
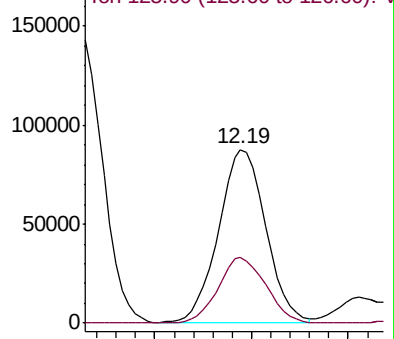
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Abundance Ion 91.00 (90.70 to 91.70): VN057113.D (-3228) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.949 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057113.D

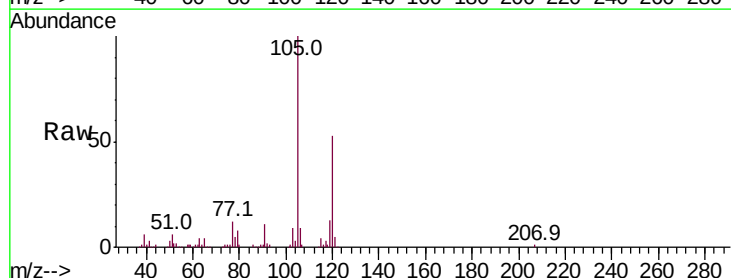
Acq: 7 Aug 2019 19:18

Tgt Ion:105 Resp: 197106

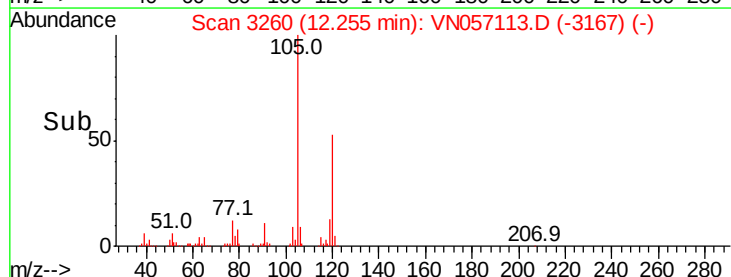
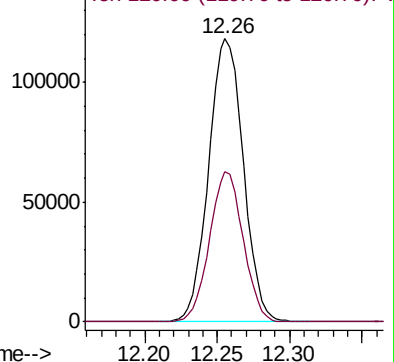
Ion Ratio Lower Upper

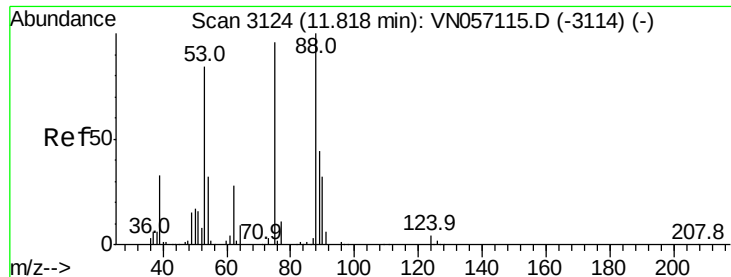
105 100

120 51.4 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057113.D (-3243) (-)





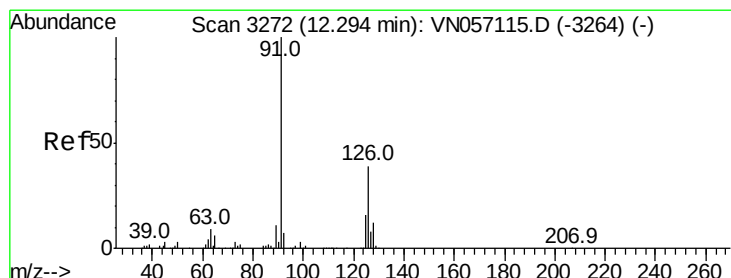
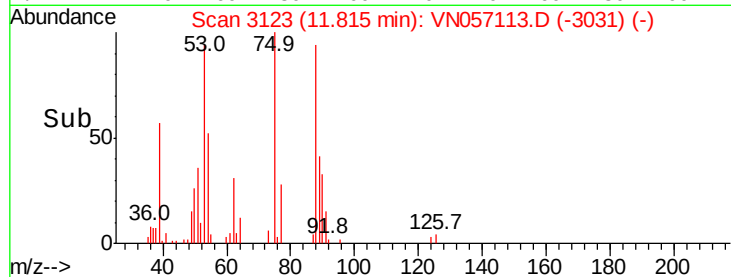
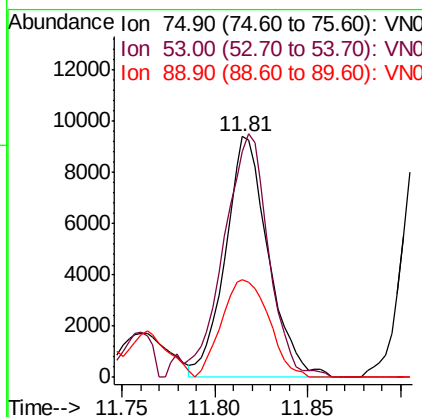
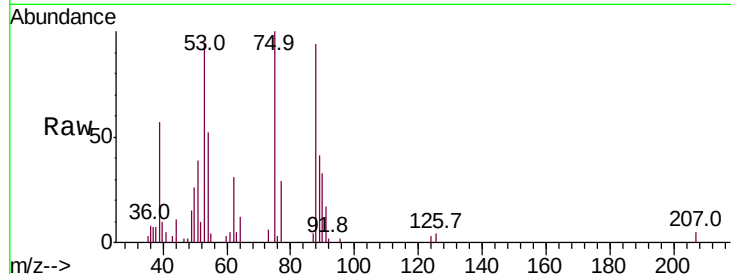
#81
trans-1,4-Dichloro-2-butene
Concen: 6.052 ug/l
RT: 11.81 min Scan# 3123
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.4	70.6	106.0
89	44.5	36.4	54.6

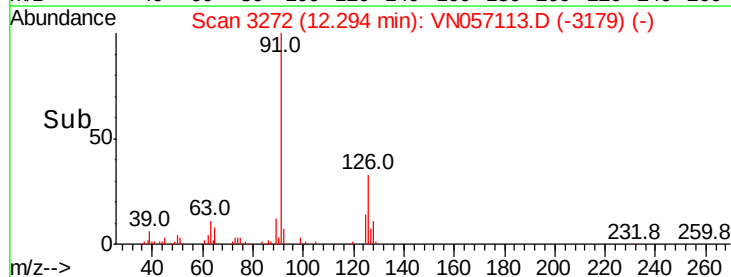
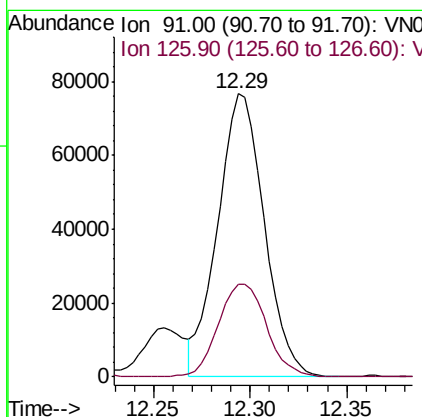
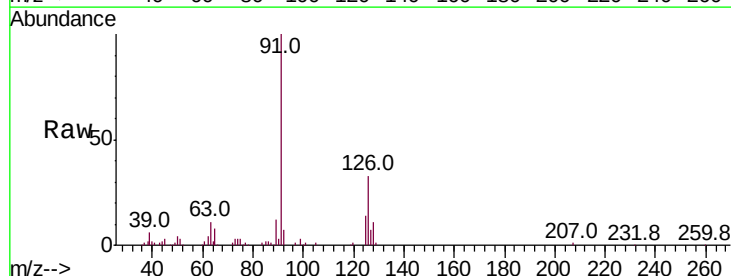
Manual Integrations
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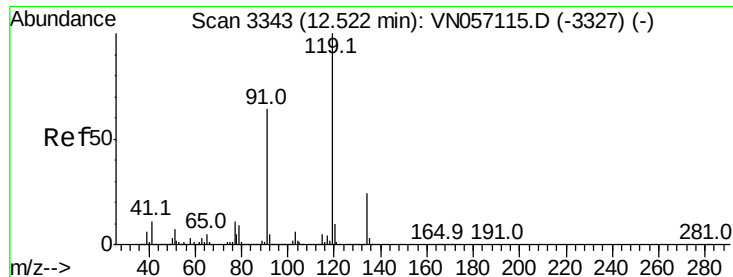
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#82
4-Chlorotoluene
Concen: 6.153 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.9	53.7





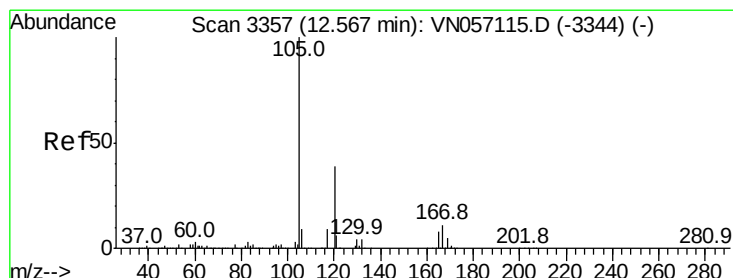
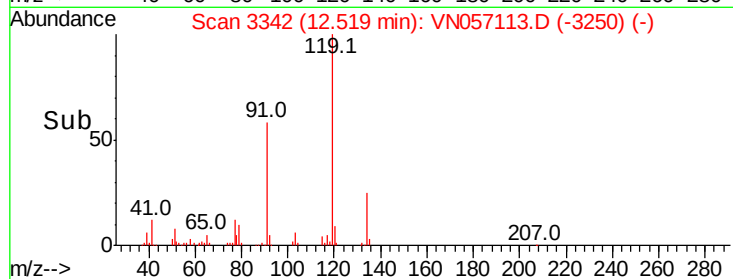
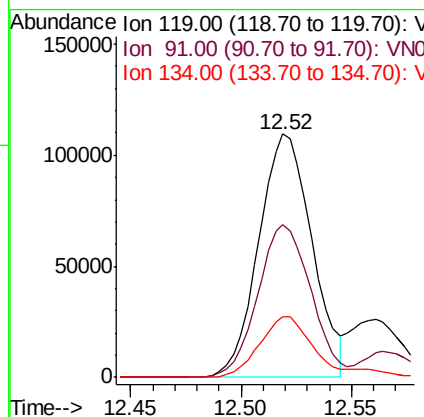
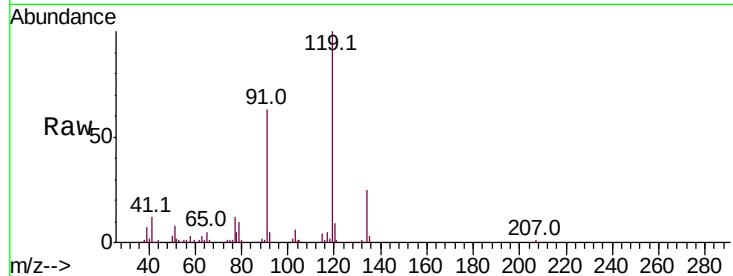
#83
 tert-Butylbenzene
 Concen: 7.323 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		183591		
91	62.5	31.4	94.2		
134	26.8	13.2	39.6		

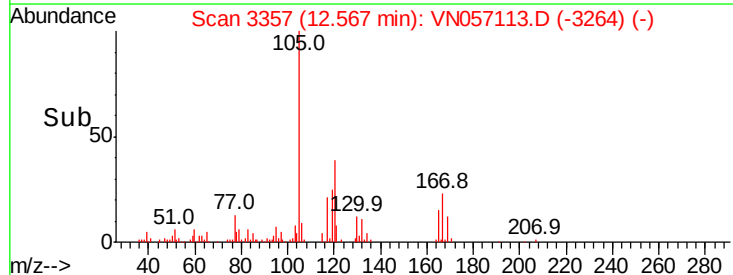
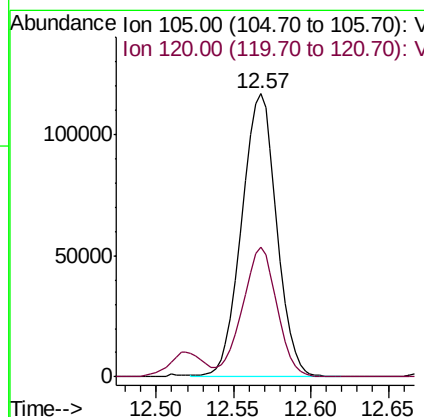
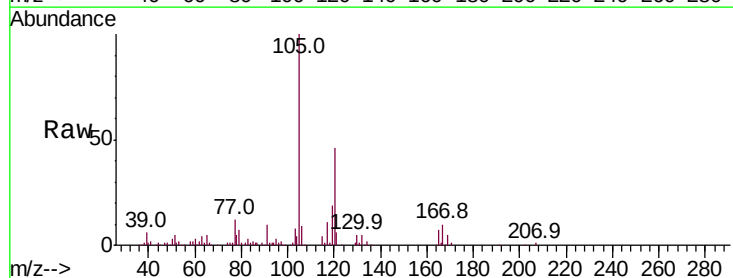
Manual Integrations
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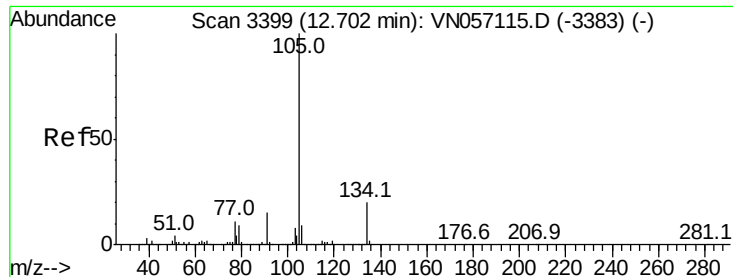
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#84
 1,2,4-Trimethylbenzene
 Concen: 6.787 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		184055		
120	45.2	23.3	69.8		





#85

sec-Butylbenzene

Concen: 7.083 ug/l

RT: 12.70 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

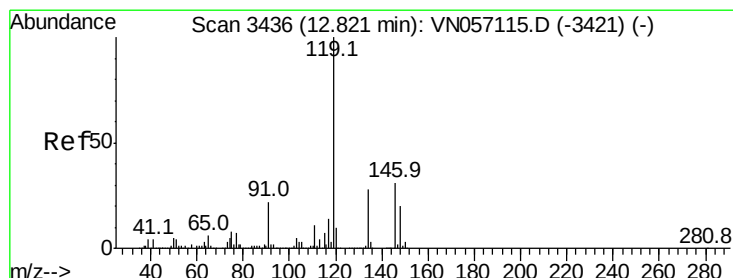
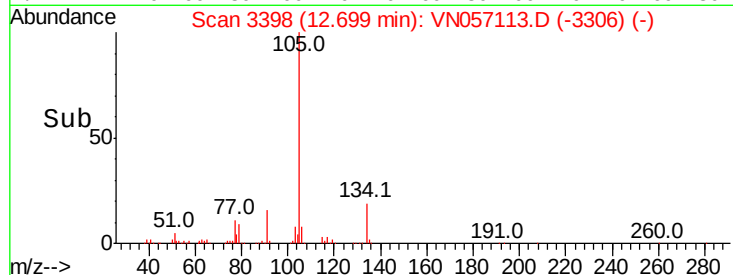
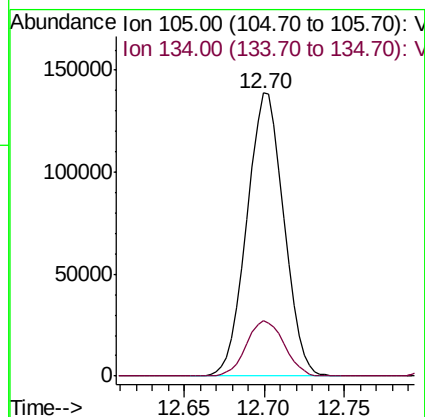
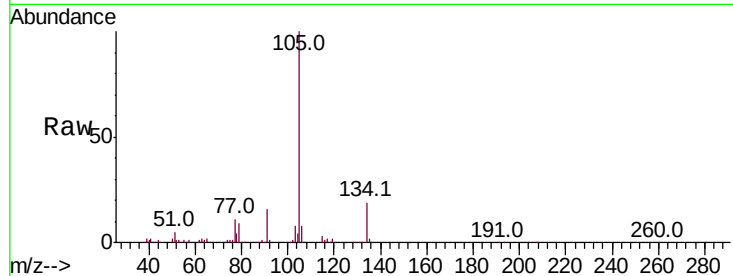
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4

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#86

p-Isopropyltoluene

Concen: 6.660 ug/l

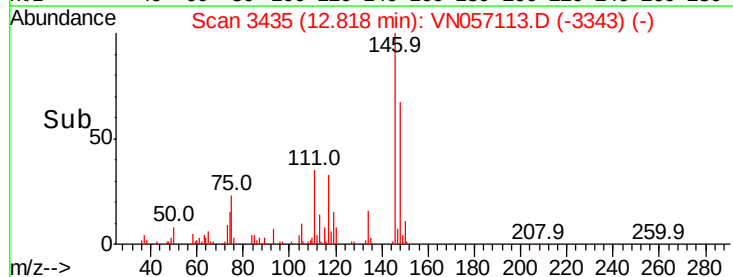
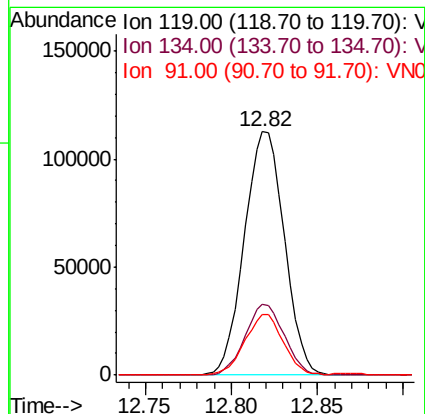
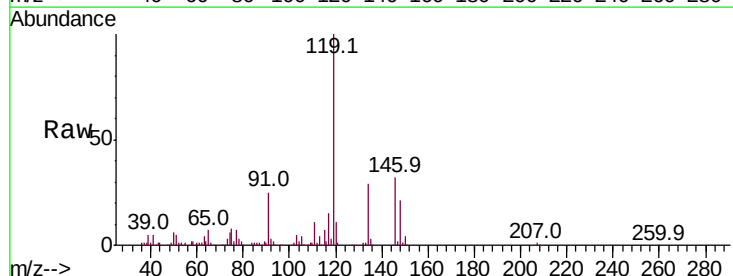
RT: 12.82 min Scan# 3435

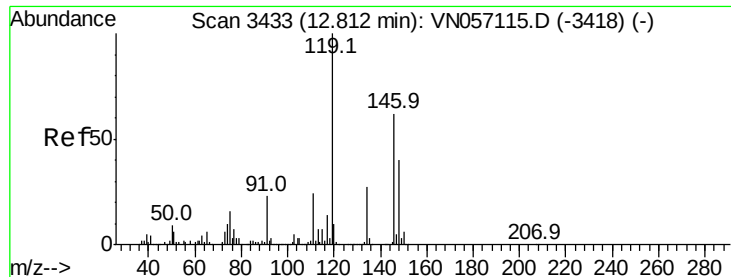
Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.4	13.8	41.3
91	23.8	11.0	33.0





#87

1,3-Dichlorobenzene

Concen: 5.230 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

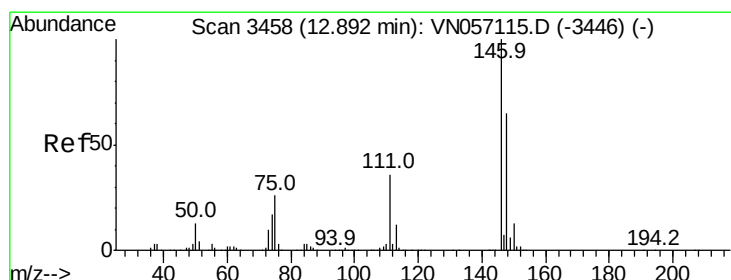
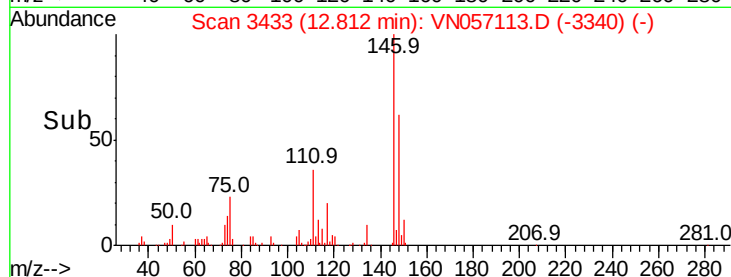
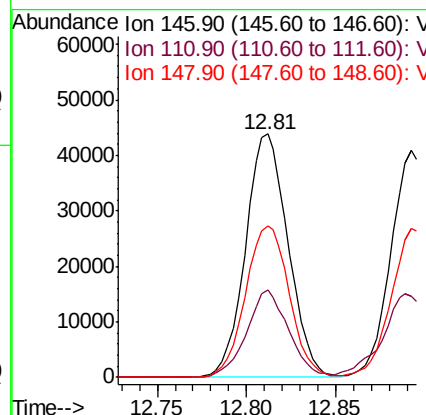
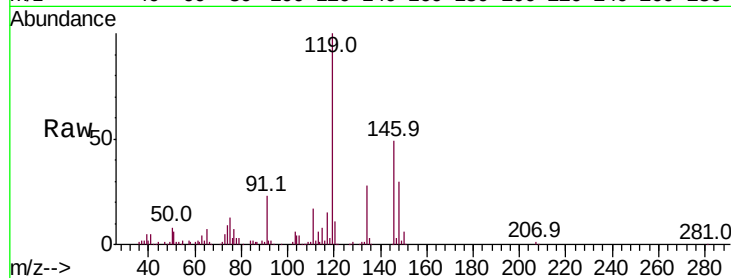
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	73052
Ion Ratio	Lower	Upper	
146	100		
111	35.2	18.8	56.4
148	63.8	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.061 ug/l

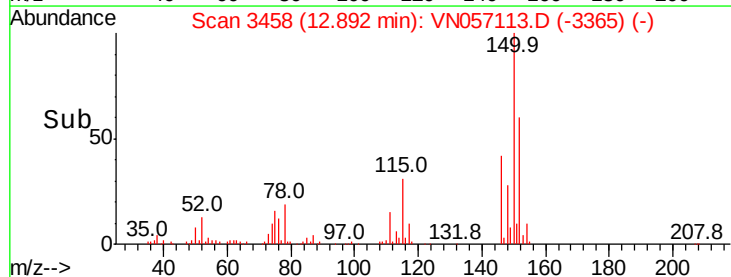
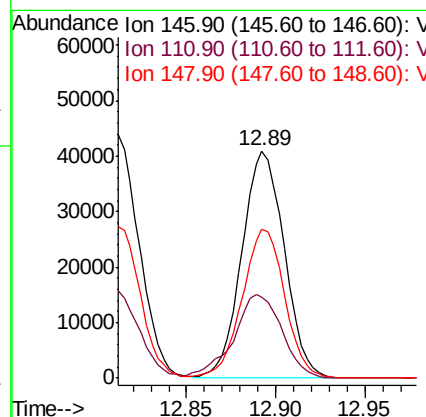
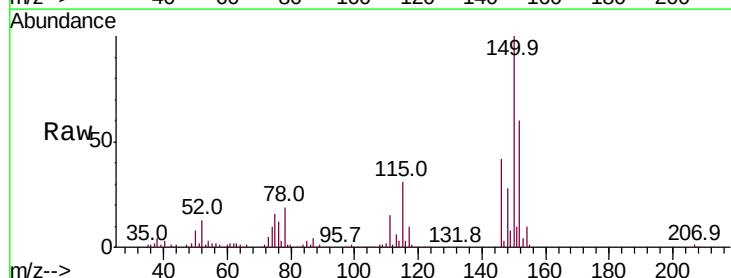
RT: 12.89 min Scan# 3458

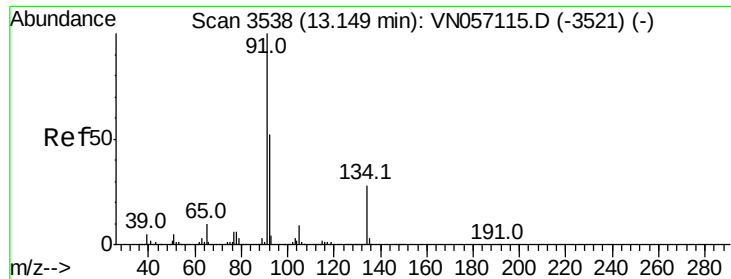
Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	146	Resp:	67980
Ion Ratio	Lower	Upper	
146	100		
111	41.9	18.2	54.6
148	65.8	32.0	96.2





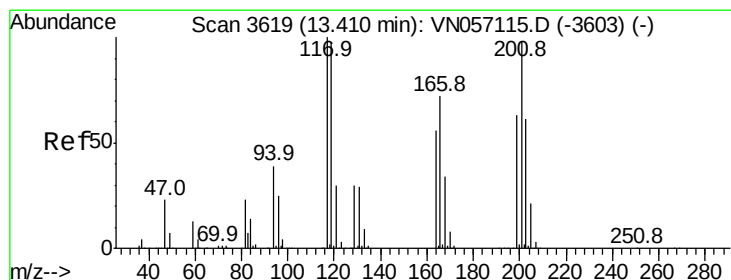
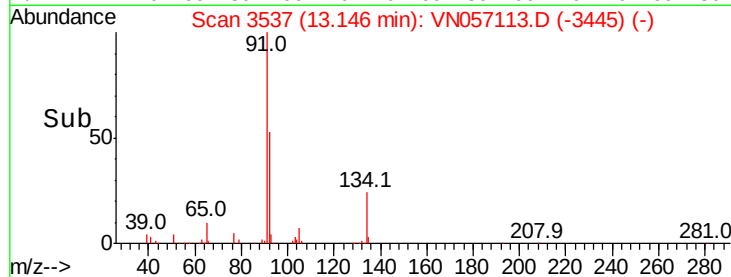
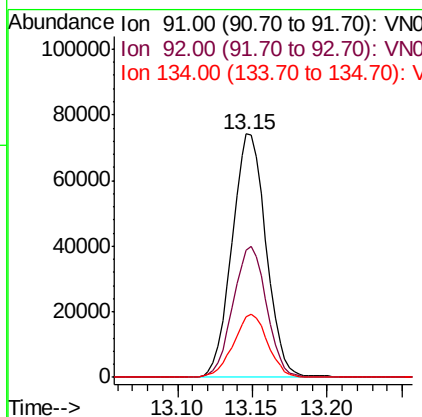
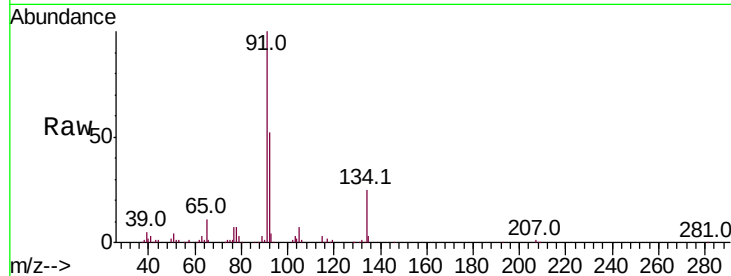
#89
n-Butylbenzene
Concen: 5.635 ug/l
RT: 13.15 min Scan# 3537
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.4
134	26.0	14.1	42.3

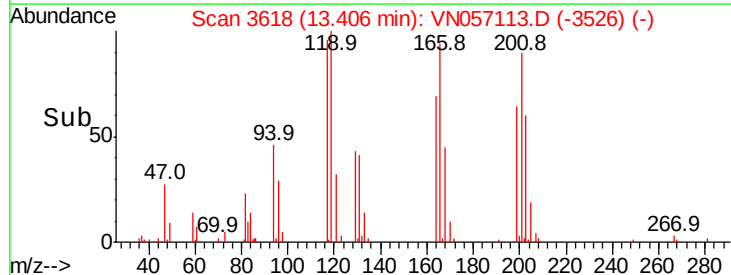
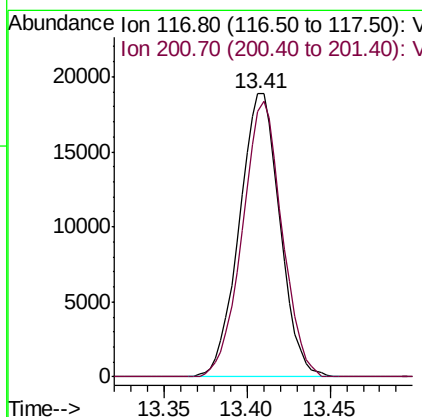
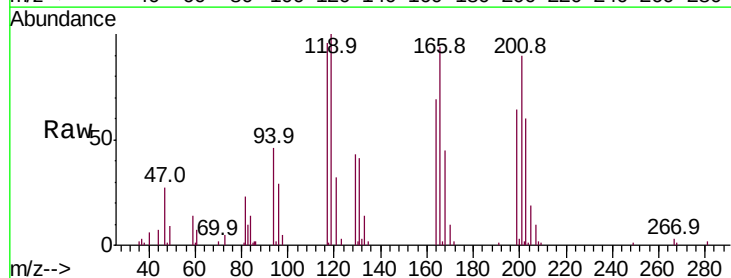
Manual Integrations
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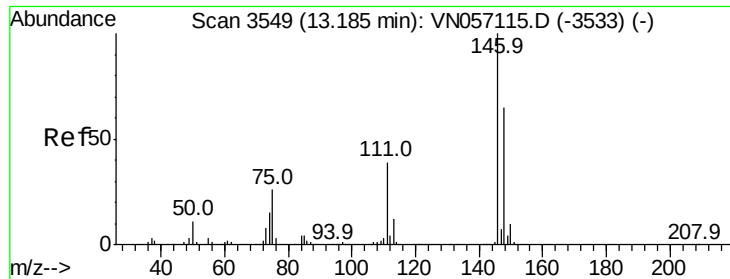
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#90
Hexachloroethane
Concen: 6.787 ug/l
RT: 13.41 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	49.3	147.8





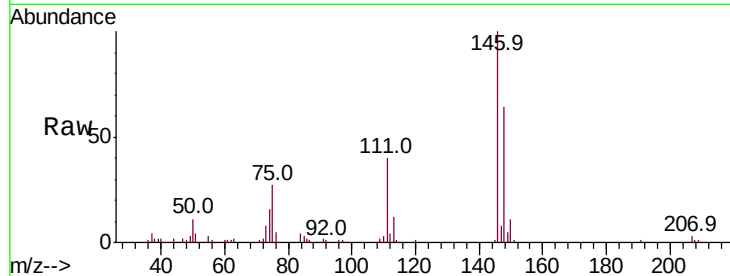
#91
 1,2-Dichlorobenzene
 Concen: 5.260 ug/l
 RT: 13.18 min Scan# 3549
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	60.9	32.4	97.0

Manual Integrations
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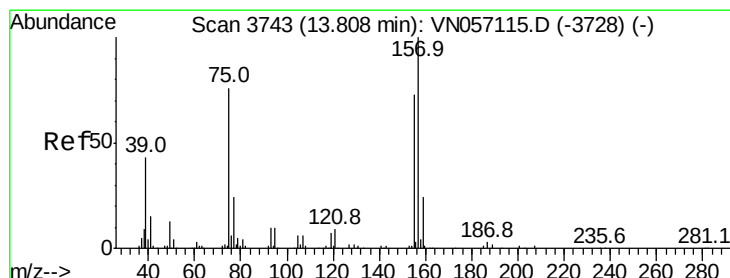
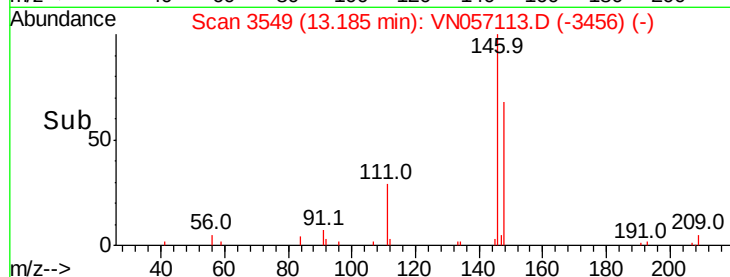
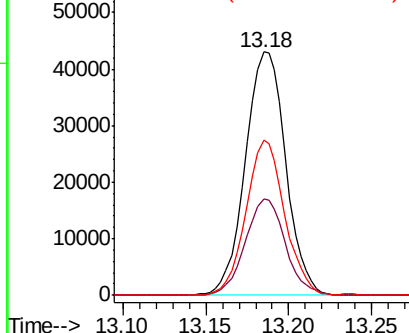


Abundance

Ion 145.90 (145.60 to 146.60): V

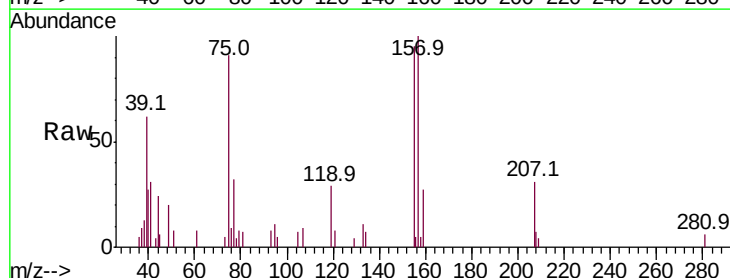
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.788 ug/l
 RT: 13.81 min Scan# 3742
 Delta R.T. -0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.9	49.3	147.9
157	121.2	65.3	195.8

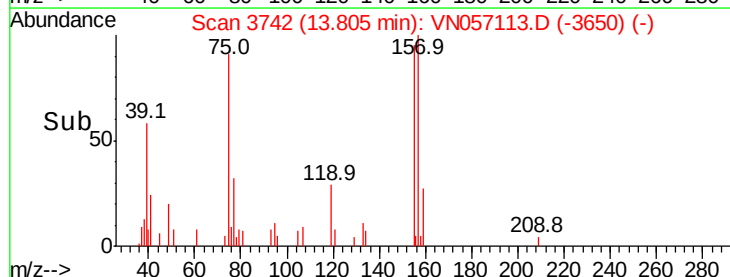
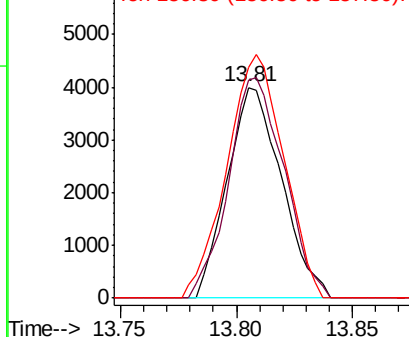


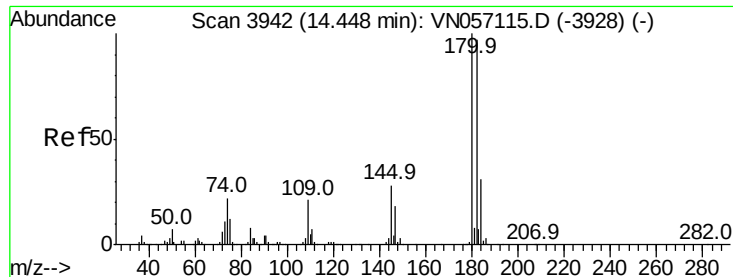
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.319 ug/l

RT: 14.45 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

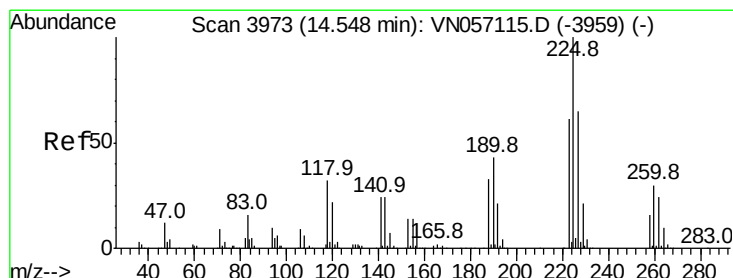
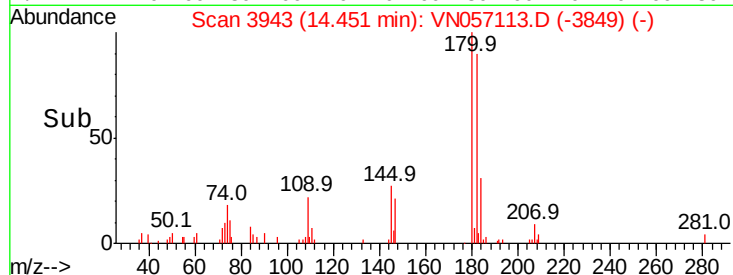
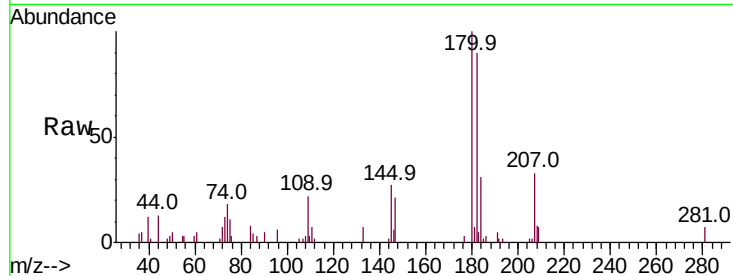
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	14457
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.6
145	27.6	14.1	42.2

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 6.713 ug/l

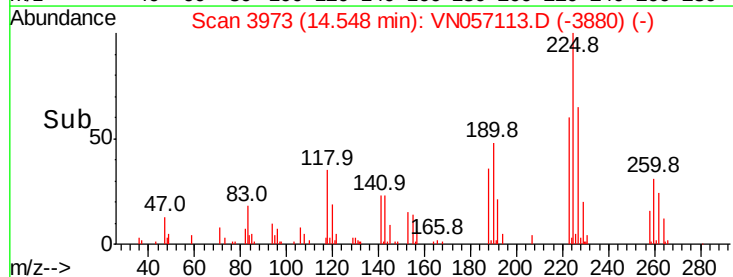
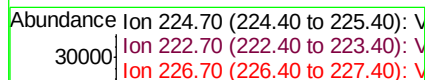
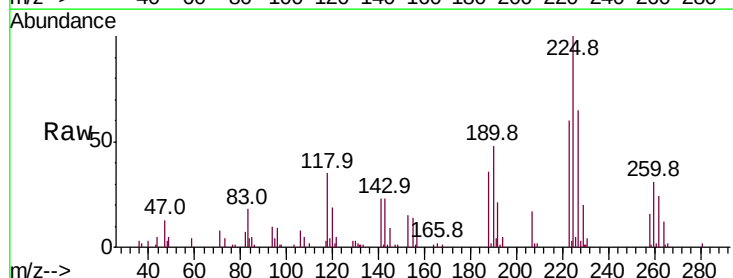
RT: 14.55 min Scan# 3973

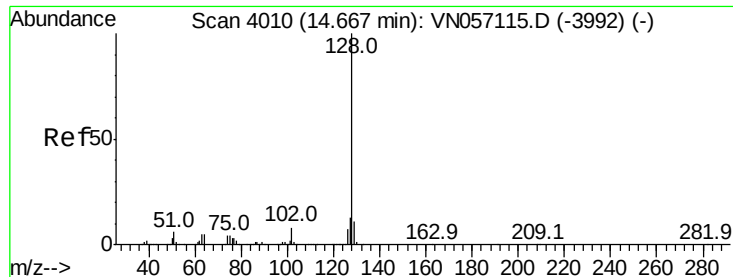
Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	225	Resp:	37227
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.8
227	64.1	32.4	97.0





#95

Naphthalene

Concen: 2.727 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

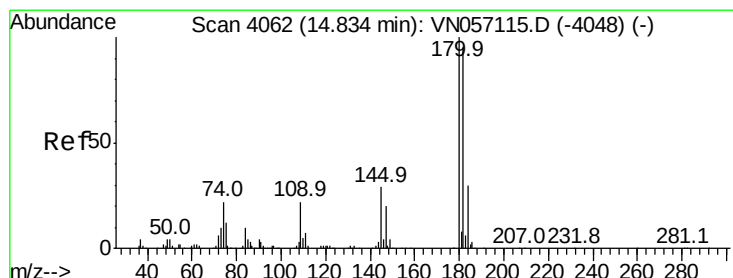
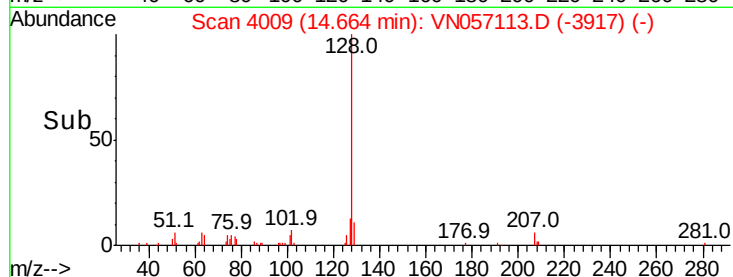
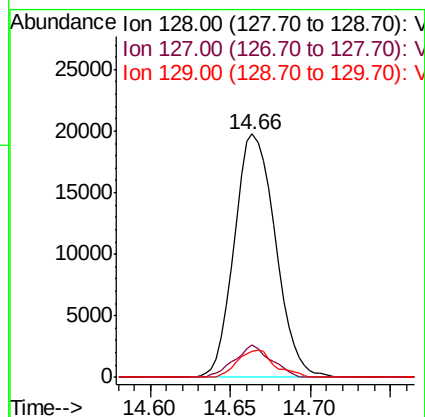
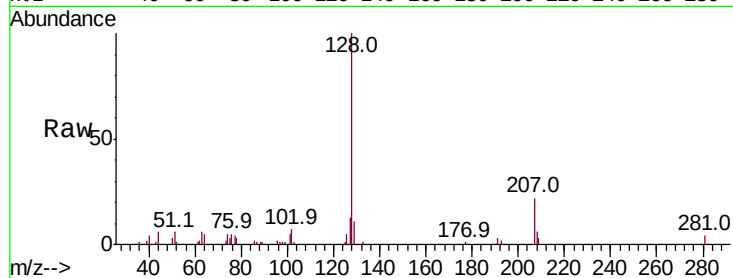
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	34608
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.3	15.5
129	10.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2019 2:40:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 2.772 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	180	Resp:	17699
Ion Ratio	Lower	Upper	
180	100		
182	88.7	48.3	144.8
145	25.0	14.9	44.5

