

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057578.D
 Acq On : 30 Aug 2019 9:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:27 AM

Quant Time: Aug 30 23:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	92260	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	560263	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	554297	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	225032	26.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	87.40%
60) 4-Bromofluorobenzene	12.40	95	266833	29.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.63%
63) Toluene-d8	10.08	98	751974	27.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	250169	51.403 ug/l	98
3) Chloromethane	2.06	50	219785	32.951 ug/l	100
4) Vinyl Chloride	2.18	62	346629	39.900 ug/l	99
5) Bromomethane	2.55	94	316546	52.390 ug/l	100
6) Chloroethane	2.70	64	234135	39.565 ug/l	97
7) Trichlorofluoromethane	3.01	101	770222	51.702 ug/l	98
8) Diethyl Ether	3.40	74	242372	43.805 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	459992	53.777 ug/l	97
10) 1,1-Dichloroethene	3.72	96	420455	51.643 ug/l	98
11) Methyl Iodide	3.93	142	748592	83.446 ug/l	99
12) Methyl Acetate	4.31	43	201359	27.313 ug/l	98
13) Acrolein	3.59	56	140725	152.210 ug/l	100
14) Acrylonitrile	4.97	53	436498	168.091 ug/l #	89
15) Acetone	3.81	58	229843	187.417 ug/l	97
16) Carbon Disulfide	4.03	76	434546	33.082 ug/l	96
17) Allyl chloride	4.30	41	300723	30.291 ug/l	96
18) Methylene Chloride	4.53	84	239360	42.303 ug/l	98
19) trans-1,2-Dichloroethene	5.02	96	232844	43.225 ug/l	97
20) Diisopropyl ether	5.94	45	719731	33.557 ug/l	98
21) 1,1-Dichloroethane	5.83	63	453619	39.688 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	309988	47.044 ug/l	99
23) tert-Butyl Alcohol	4.80	59	156868m	165.296 ug/l	
24) Methyl tert-Butyl Ether	5.03	73	758832	42.597 ug/l	96
25) Chloroform	7.36	83	544975	46.453 ug/l	99
26) Cyclohexane	7.64	56	383215	37.834 ug/l #	99
29) 1,1-Dichloropropene	7.78	75	373996	40.541 ug/l	100
30) 2-Butanone	6.83	43	600766	143.494 ug/l #	98
31) 2,2-Dichloropropane	6.81	77	445415	42.165 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	498604	46.129 ug/l	99
33) Carbon Tetrachloride	7.76	117	427730	47.549 ug/l	99
34) Benzene	8.03	78	1146591	42.225 ug/l #	93
35) Methacrylonitrile	7.16	41	132867	31.881 ug/l	95
36) 1,2-Dichloroethane	8.11	62	422652	39.784 ug/l	99
37) Trichloroethene	8.83	130	321234	49.807 ug/l	94
38) Methylcyclohexane	9.07	83	469857	44.579 ug/l	99
39) 1,2-Dichloropropane	9.11	63	279050	37.074 ug/l	97
40) Dibromomethane	9.20	93	212861	44.398 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	441273	43.574	ug/l	98
42) Vinyl Acetate	5.88	43	2904784	153.743	ug/l	100
43) Ethyl Acetate	6.92	43	236018	28.839	ug/l	96
44) Isopropyl Acetate	8.16	43	471662	30.051	ug/l	97
45) 1,4-Dioxane	9.20	88	78728	792.814	ug/l #	93
46) Methyl methacrylate	9.19	41	217213	29.052	ug/l	92
47) n-amyl Acetate	12.07	43	407846	31.885	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	460559	43.574	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	479895	41.485	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	317004	50.185	ug/l	98
51) Ethyl methacrylate	10.43	69	424963	41.918	ug/l	89
52) 1,3-Dichloropropane	10.70	76	495444	43.975	ug/l	98
53) Dibromochloromethane	10.90	129	365497	53.898	ug/l	100
54) 1,2-Dibromoethane	11.00	107	336270	51.645	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	471024	185.275	ug/l	99
56) Bromoform	12.13	173	239647	57.931	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	1368559	138.214	ug/l	97
59) 2-Hexanone	10.75	43	947123	138.067	ug/l	95
61) Tetrachloroethene	10.63	164	331266	50.995	ug/l	97
62) Toluene	10.15	91	1450131	43.897	ug/l	100
64) Chlorobenzene	11.43	112	909305	49.317	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	357206	50.990	ug/l	97
66) Ethyl Benzene	11.51	91	1657424	46.547	ug/l	98
67) m/p-Xylenes	11.62	106	1269906	101.128	ug/l	96
68) o-Xylene	11.95	106	614199	49.711	ug/l	99
69) Styrene	11.96	104	1027825	51.532	ug/l	97
70) Isopropylbenzene	12.25	105	1687558	50.519	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	406292	43.424	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	327543m	38.894	ug/l	
73) Bromobenzene	12.53	156	394327	56.892	ug/l	96
74) n-propylbenzene	12.59	91	1817636	48.369	ug/l	99
75) 2-Chlorotoluene	12.67	91	1092210	49.377	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1435675	52.353	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	110755	38.239	ug/l	92
78) 4-Chlorotoluene	12.77	91	1061972	50.059	ug/l	100
79) tert-butylbenzene	12.99	119	1252368	53.136	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	1380692	53.561	ug/l	98
81) sec-Butylbenzene	13.17	105	1615783	52.280	ug/l	100
82) p-Isopropyltoluene	13.29	119	1444206	54.806	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	661602	60.899	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	632412	59.775	ug/l	98
85) n-Butylbenzene	13.62	91	1126862	50.166	ug/l	99
86) Hexachloroethane	13.88	117	250014	48.982	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	636886	59.705	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	62747	40.516	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	221363	55.536	ug/l	99
90) Hexachlorobutadiene	15.01	225	201411	65.212	ug/l	97
91) Naphthalene	15.13	128	636538	50.785	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	221003	56.159	ug/l	97

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VSTDICC050

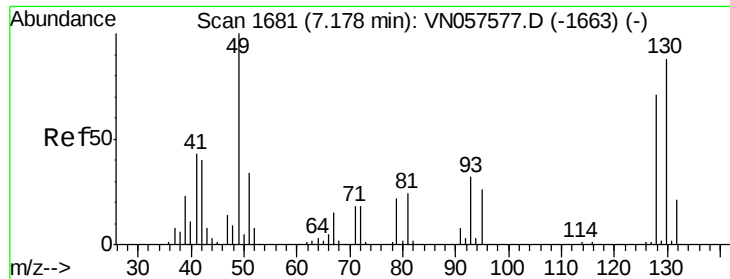
Manual Integrations
APPROVED

MMDadoda
8/31/2019 10:00:27 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



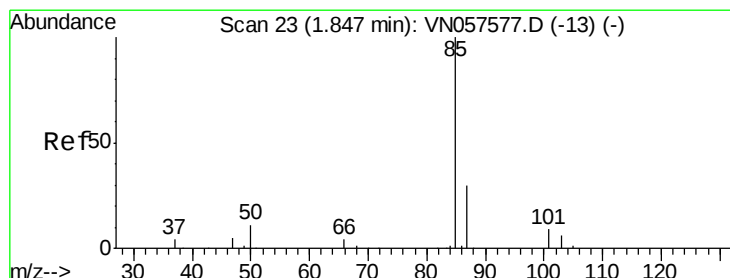
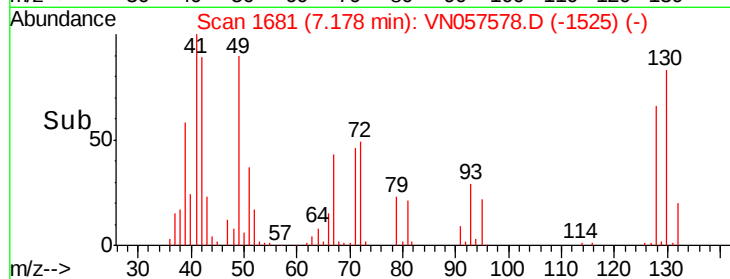
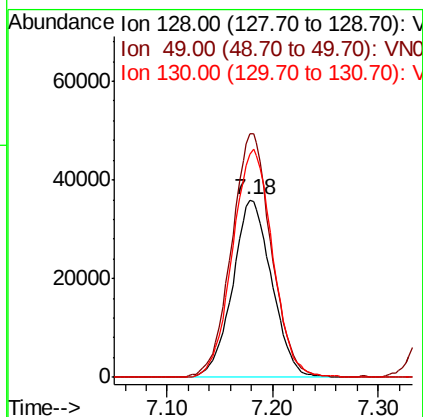
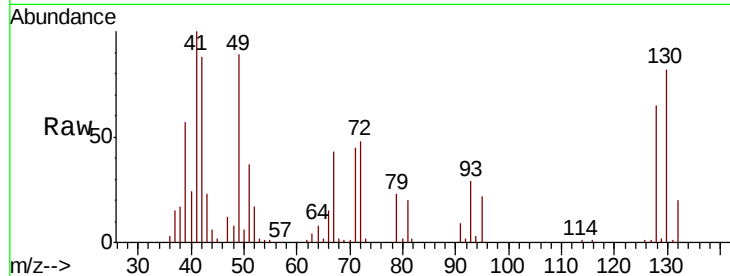
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
128	100		
49	140.4	0.0	352.3
130	132.5	0.0	324.7

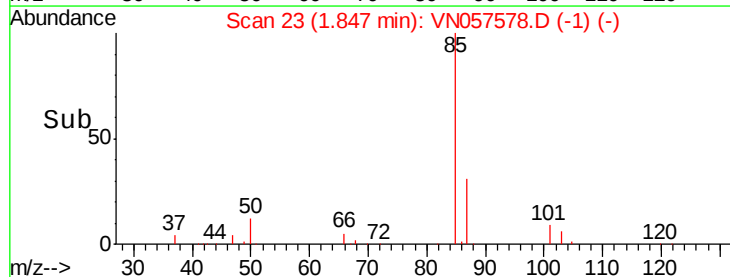
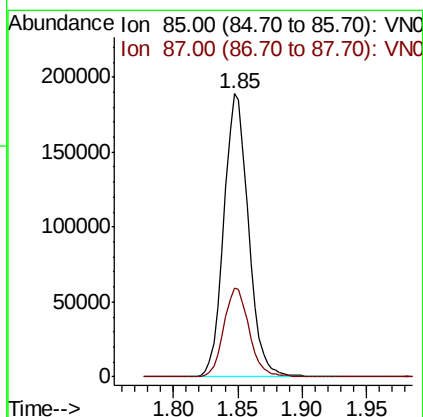
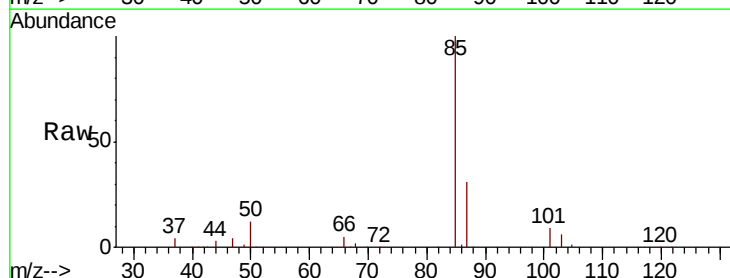
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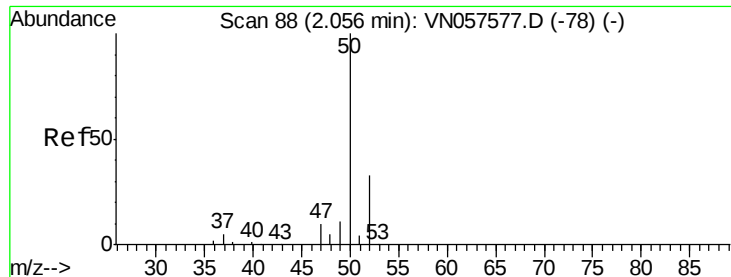
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#2
 Dichlorodifluoromethane
 Concen: 51.403 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.0	45.0





#3

Chloromethane

Concen: 32.951 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 50 Resp: 219785

Ion Ratio Lower Upper

50 100

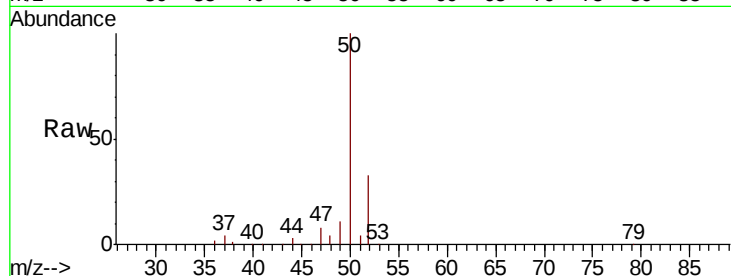
52 33.0 26.2 39.2

Manual Integrations

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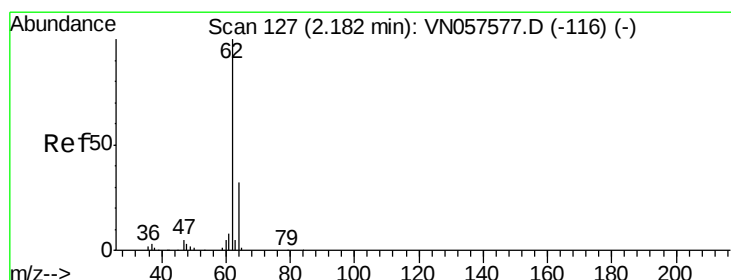
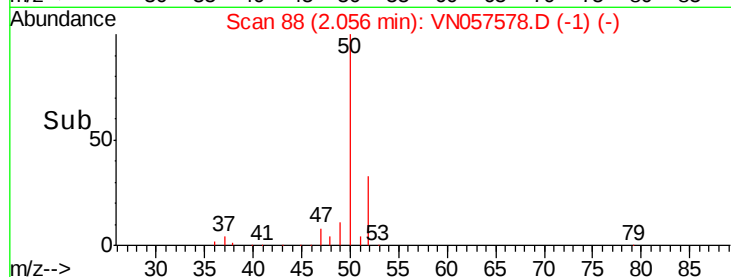
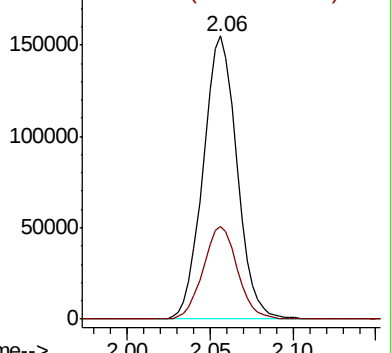
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 39.900 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057578.D

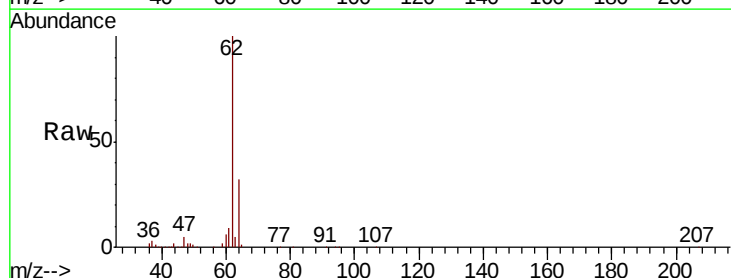
Acq: 30 Aug 2019 9:59

Tgt Ion: 62 Resp: 346629

Ion Ratio Lower Upper

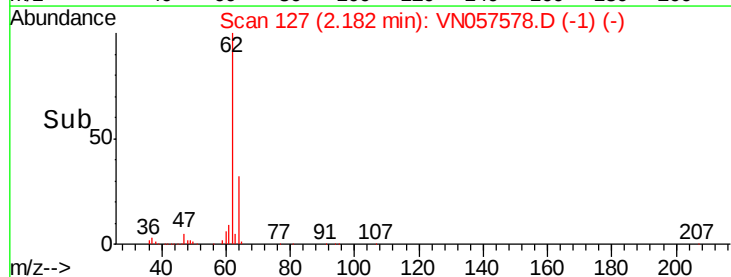
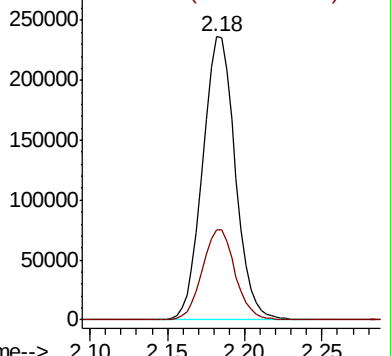
62 100

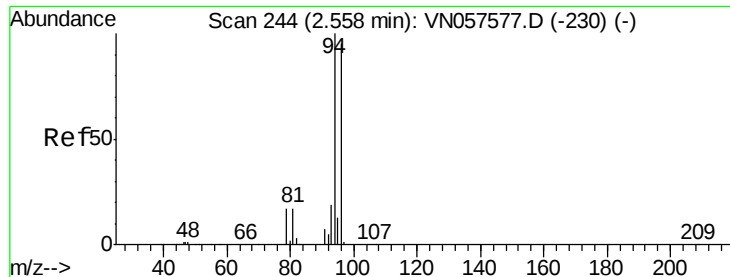
64 32.0 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 52.390 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 94 Resp: 316546

Ion Ratio Lower Upper

94 100

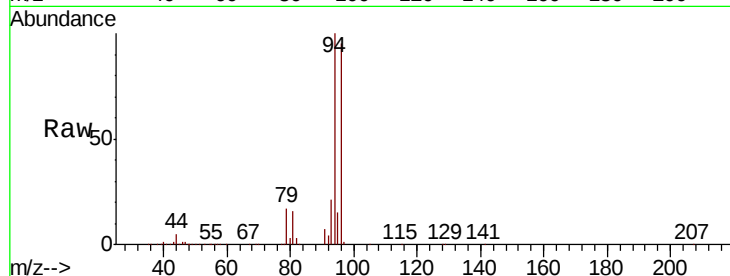
96 95.2 76.2 114.4

Manual Integrations

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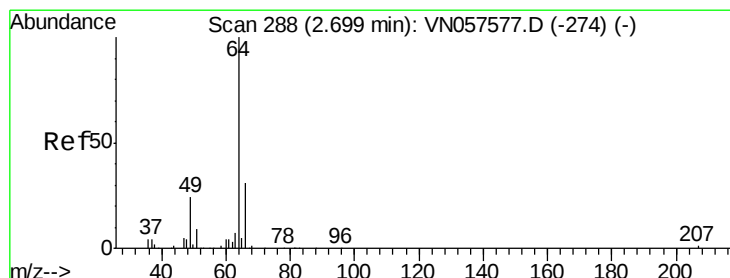
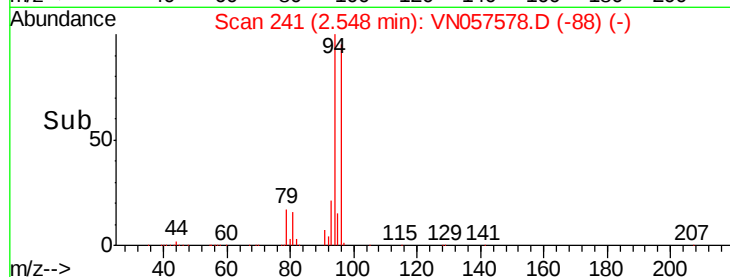
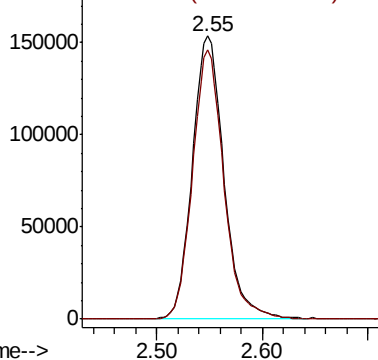
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8/31/2019 10:00:27 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 39.565 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN057578.D

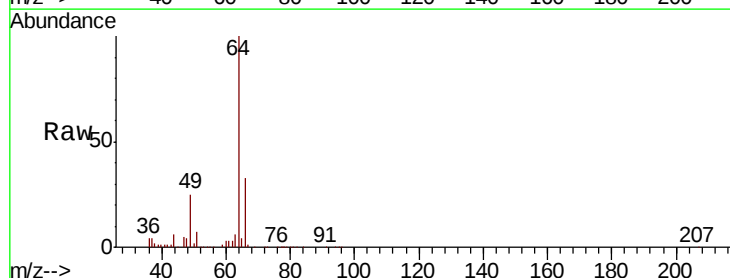
Acq: 30 Aug 2019 9:59

Tgt Ion: 64 Resp: 234135

Ion Ratio Lower Upper

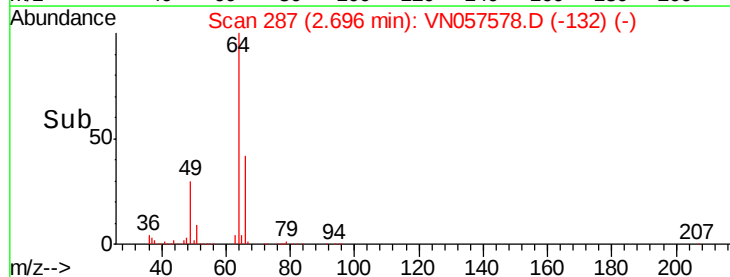
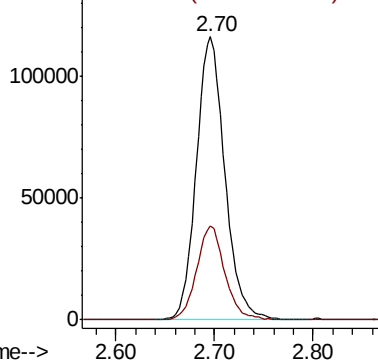
64 100

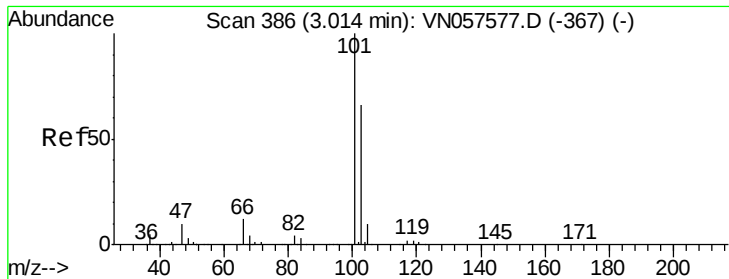
66 33.0 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

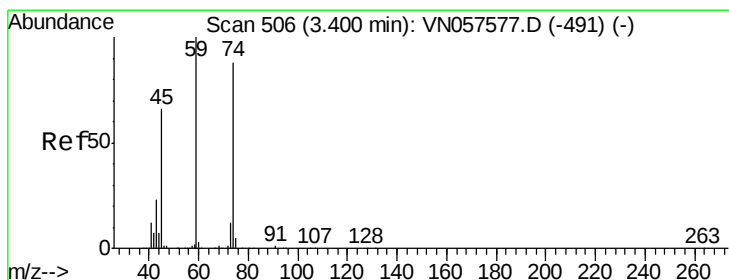
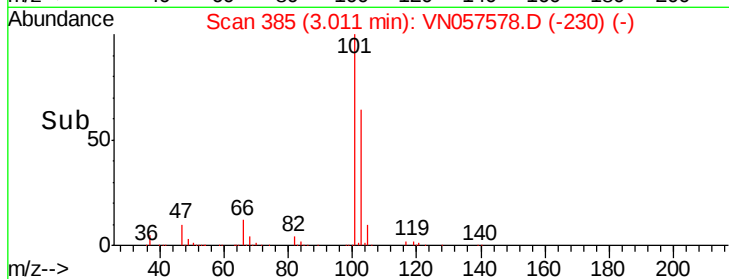
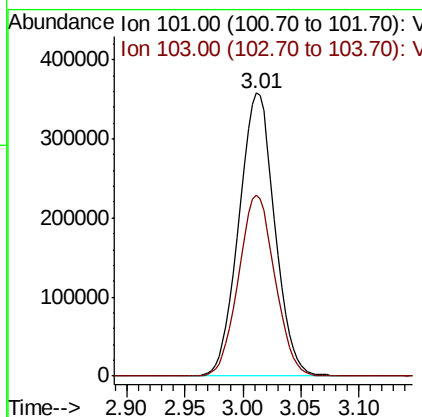
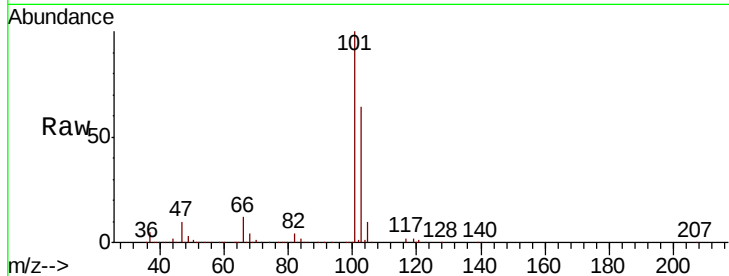
Trichlorofluoromethane
Concen: 51.702 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
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ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	770222		
103	63.8	52.4	78.6	

Manual Integrations
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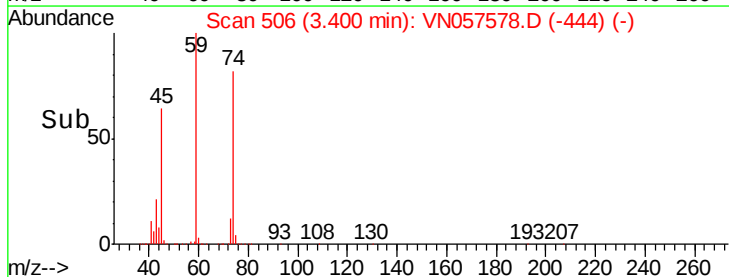
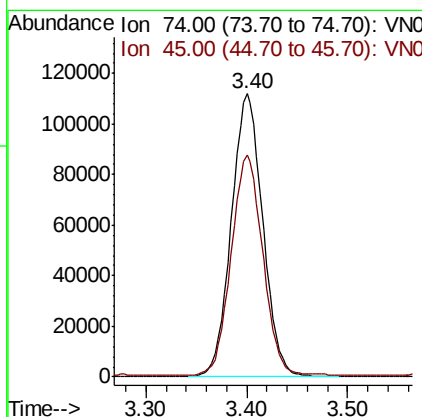
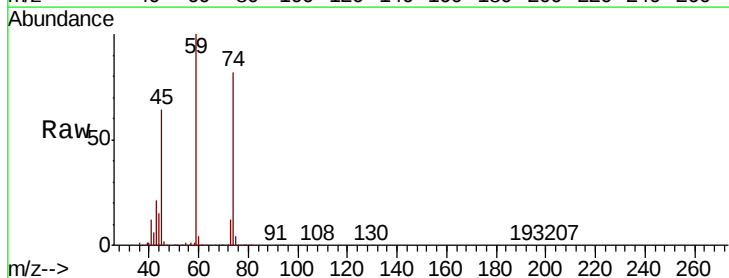
MMDadoda
8/31/2019 10:00:27 AM

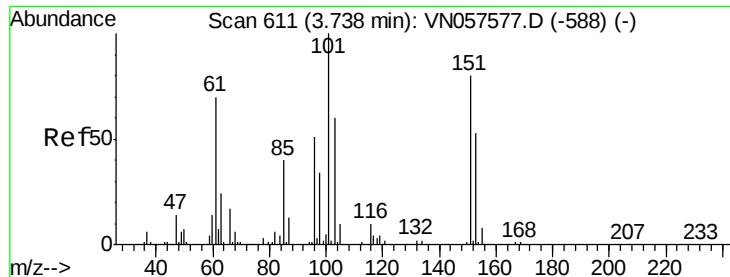


#8

Diethyl Ether
Concen: 43.805 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	242372		
45	78.2	15.2	137.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.777 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

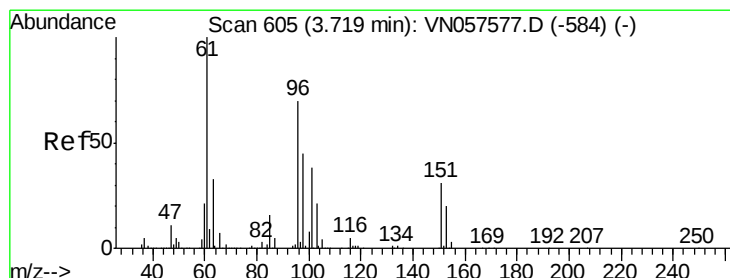
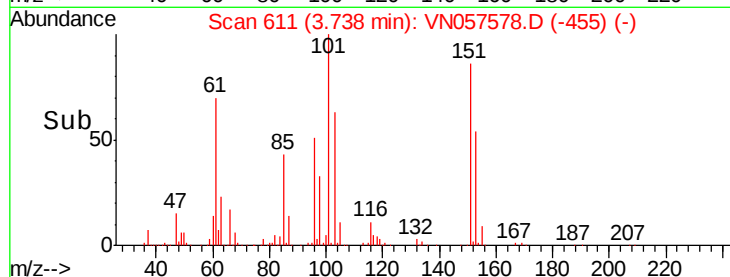
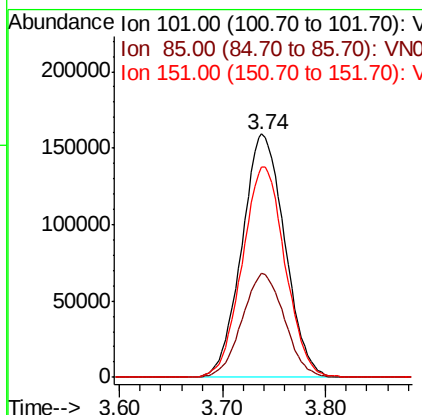
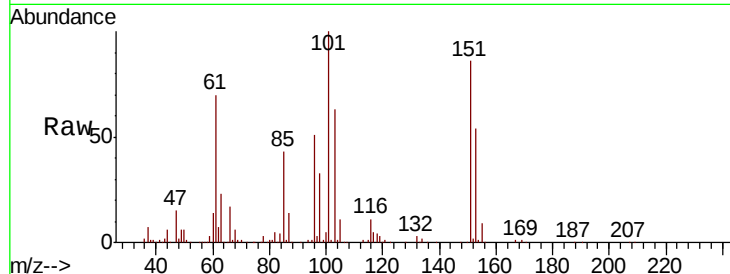
ClientSampleId :

VSTDIC050

Tgt Ion:	101	Resp:	459992
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	83.2
151	86.5	0.0	166.6

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#10

1,1-Dichloroethene

Concen: 51.643 ug/l

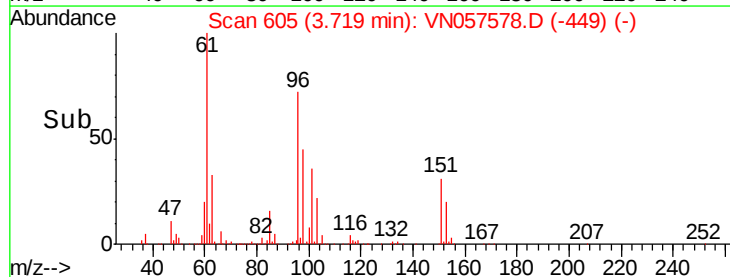
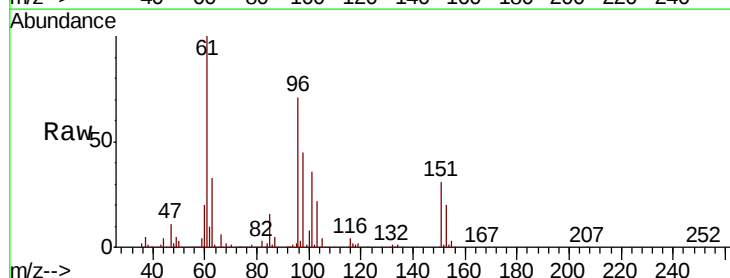
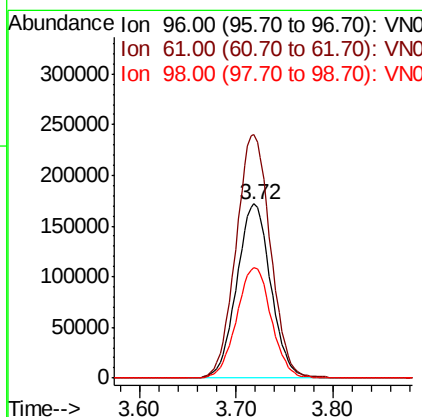
RT: 3.72 min Scan# 605

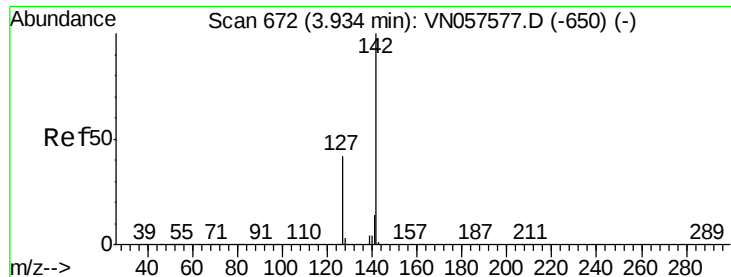
Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Tgt Ion:	96	Resp:	420455
Ion Ratio	Lower	Upper	
96	100		
61	139.9	114.2	171.4
98	63.3	51.8	77.6





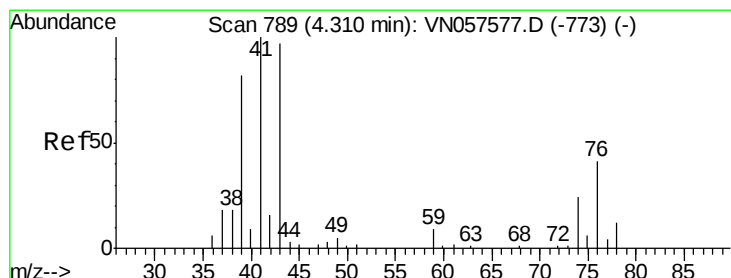
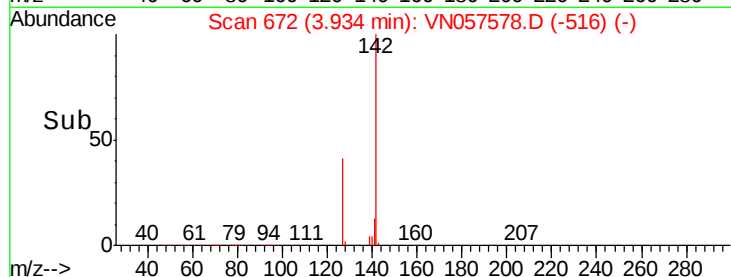
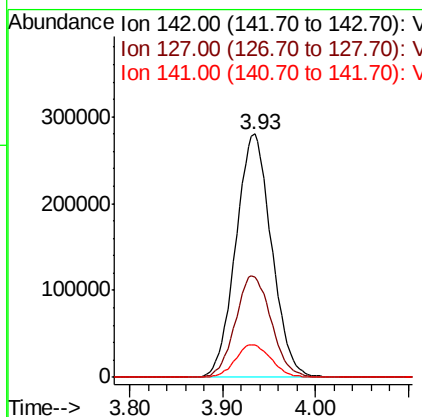
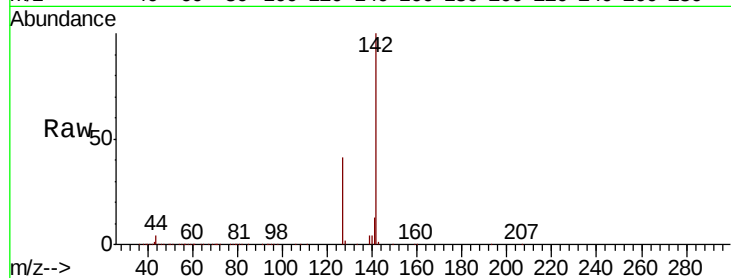
#11
Methyl Iodide
Concen: 83.446 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	20.8	62.4
141	13.1	6.8	20.4

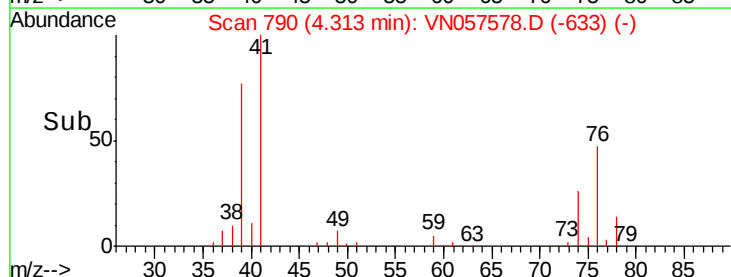
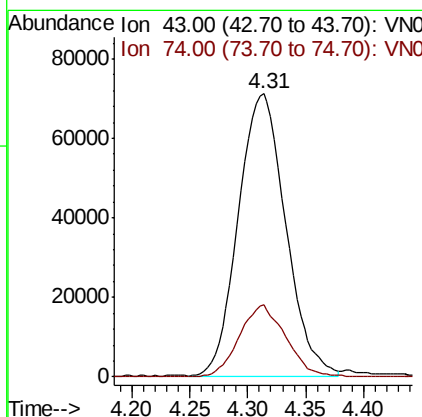
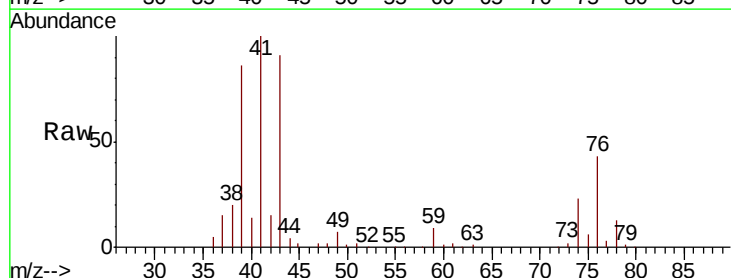
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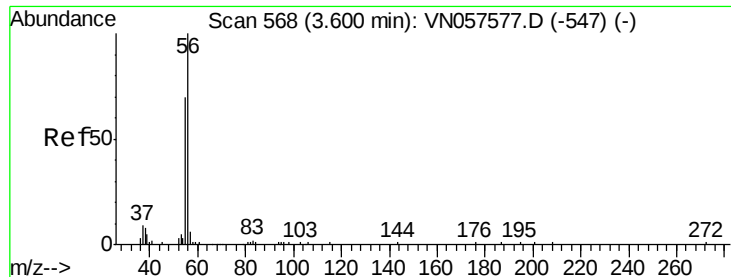
MMDadoda
8/31/2019 10:00:27 AM



#12
Methyl Acetate
Concen: 27.313 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.6	29.4





#13

Acrolein

Concen: 152.210 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 56 Resp: 140725

Ion Ratio Lower Upper

56 100

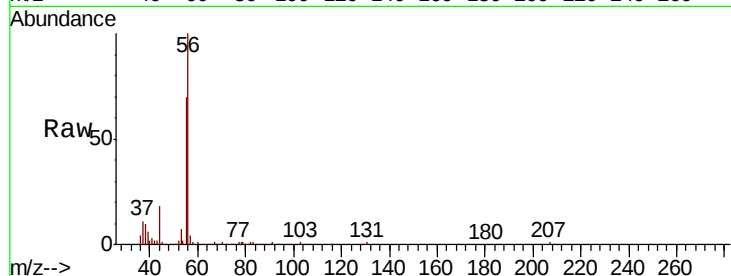
55 68.3 54.5 81.7

Manual Integrations

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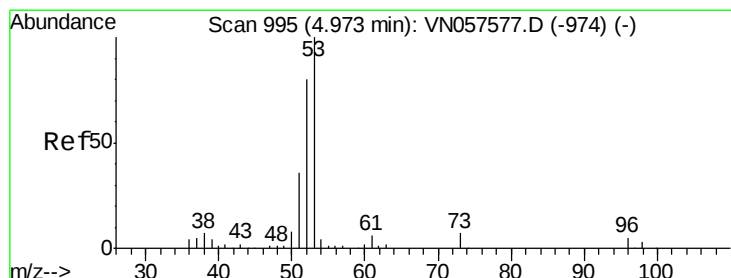
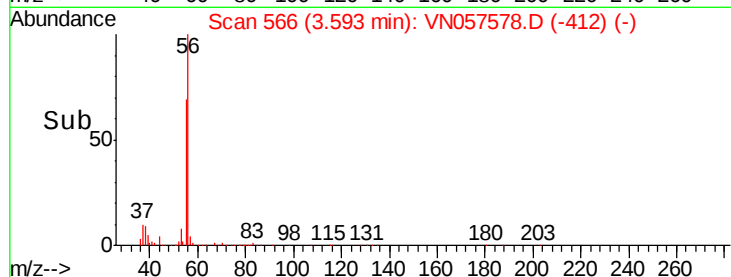
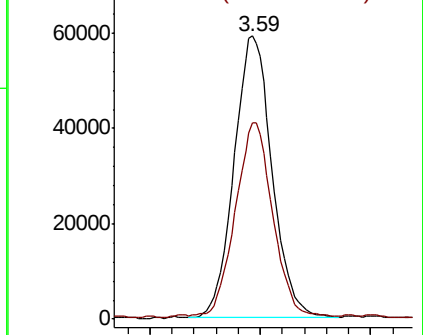
MMDadoda

8/31/2019 10:00:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 168.091 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

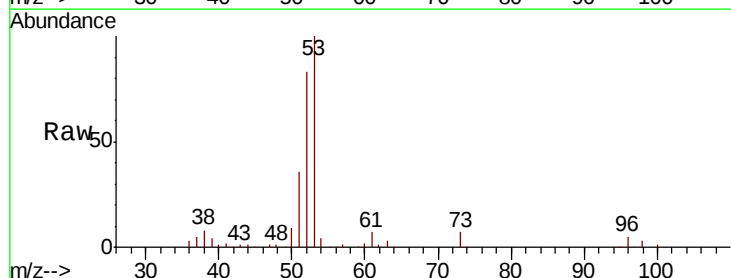
Tgt Ion: 53 Resp: 436498

Ion Ratio Lower Upper

53 100

52 83.7 40.6 122.0

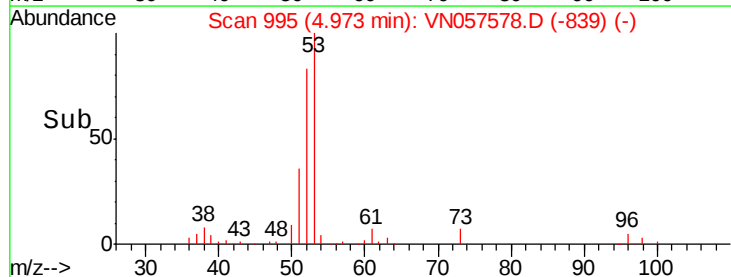
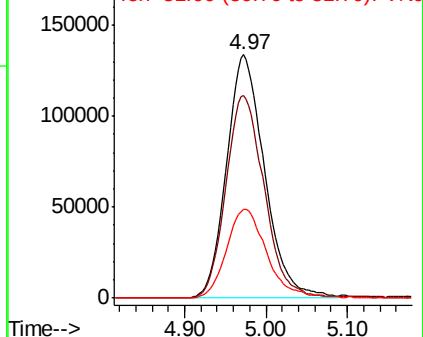
51 38.5 8.3 24.9#

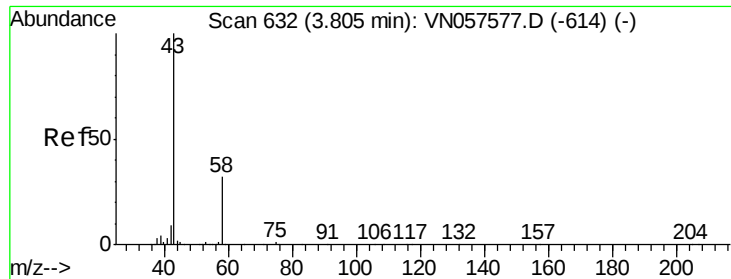


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 187.417 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 58 Resp: 229843

Ion Ratio Lower Upper

58 100

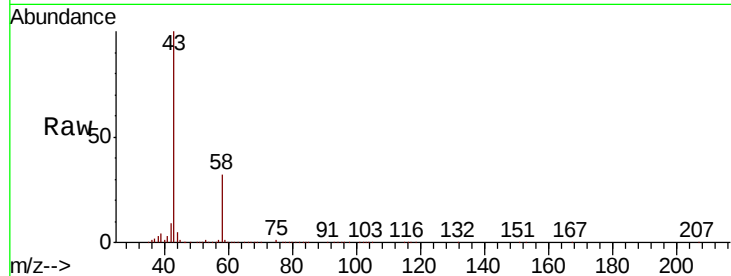
43 310.9 252.8 379.2

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

300000

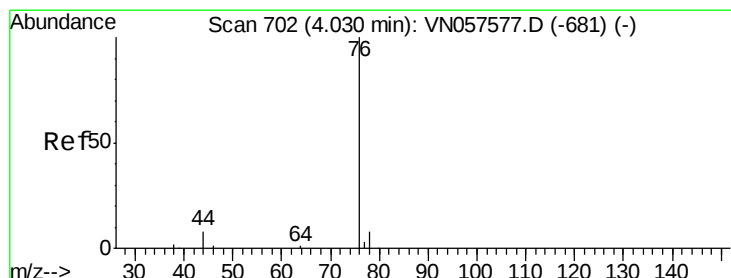
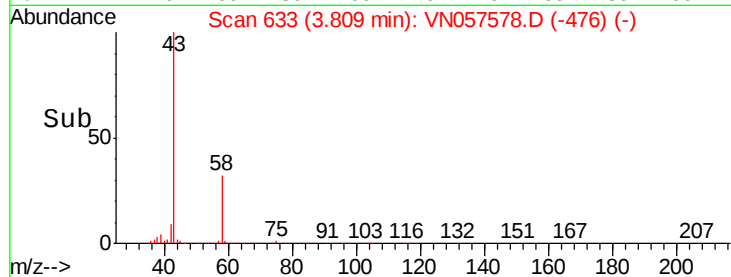
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 33.082 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057578.D

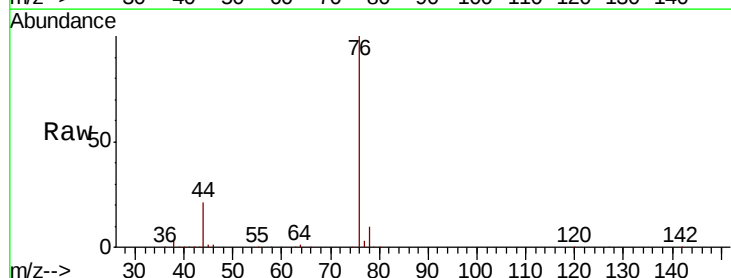
Acq: 30 Aug 2019 9:59

Tgt Ion: 76 Resp: 434546

Ion Ratio Lower Upper

76 100

78 9.7 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

150000

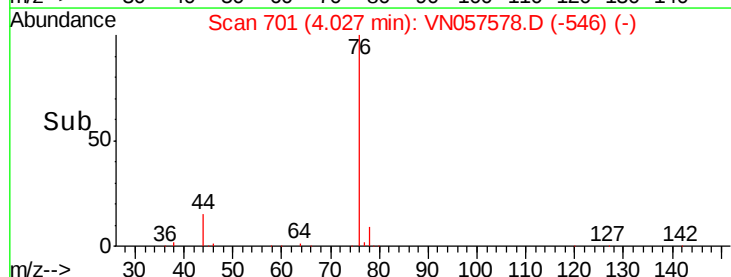
100000

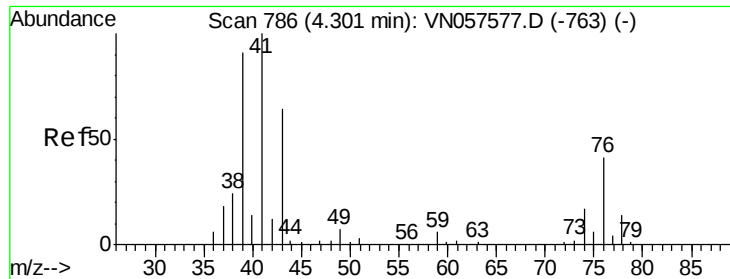
50000

0

3.90 4.00 4.10

Time-->





#17

Allyl chloride

Concen: 30.291 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 300723
Ion Ratio Lower Upper

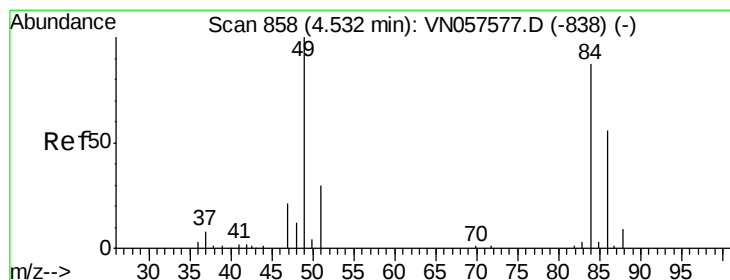
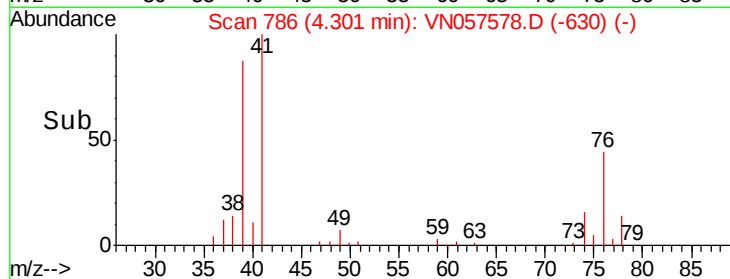
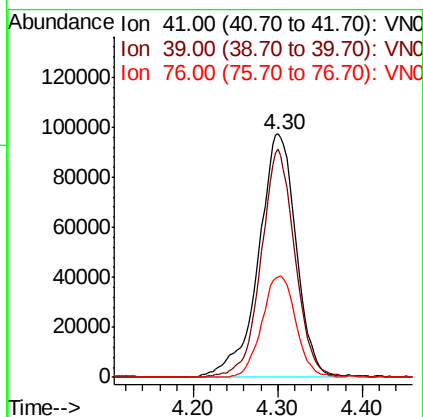
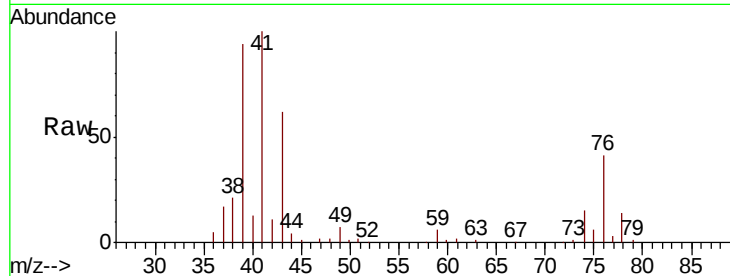
41 100

39 93.4 44.6 134.0

76 41.3 19.8 59.3

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#18

Methylene Chloride

Concen: 42.303 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

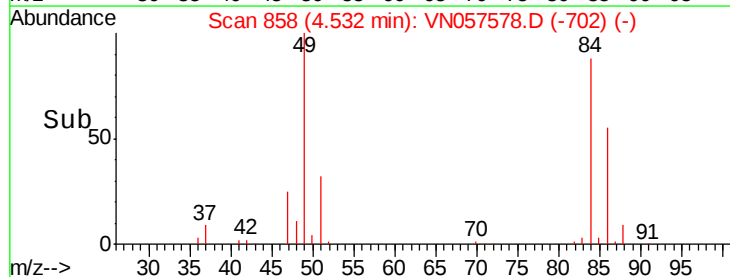
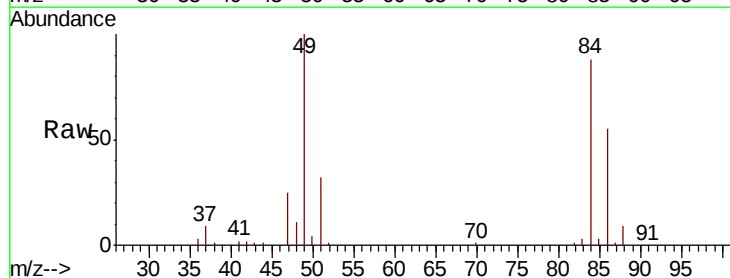
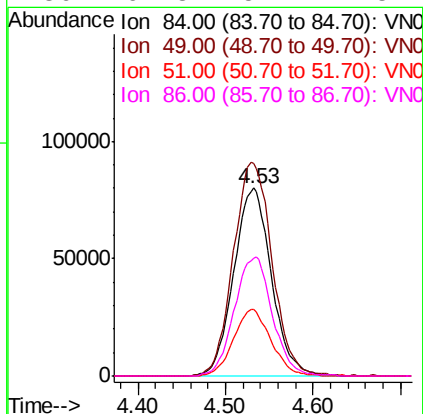
Tgt Ion: 84 Resp: 239360
Ion Ratio Lower Upper

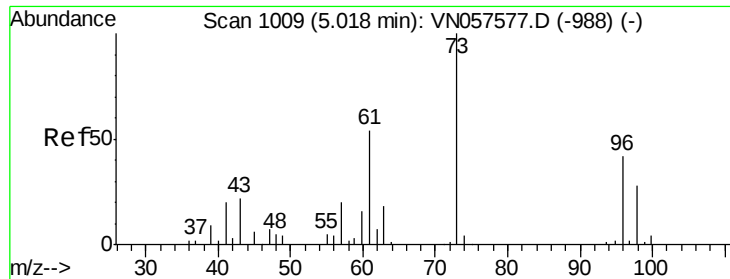
84 100

49 113.1 92.4 138.6

51 35.8 27.9 41.9

86 62.8 52.2 78.2





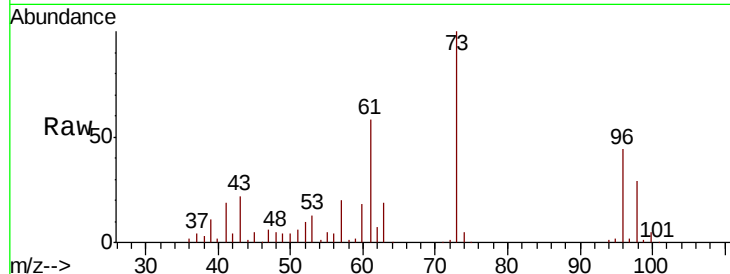
#19
trans-1,2-Dichloroethene
Concen: 43.225 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.9	102.6	153.8
98	67.0	52.6	79.0

Manual Integrations
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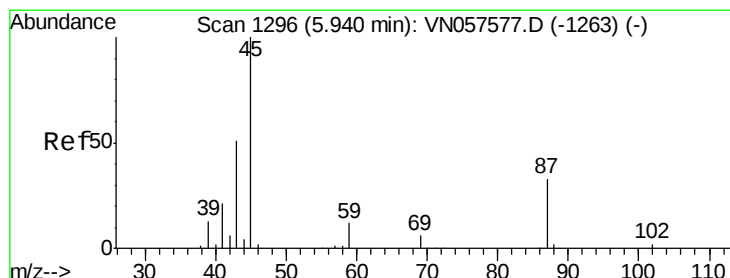
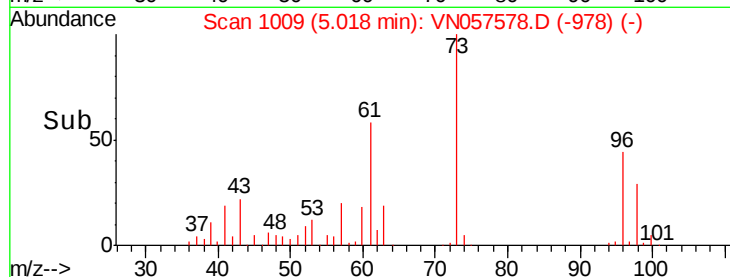
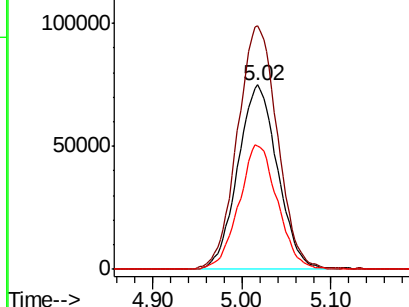


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 33.557 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	51.9	77.9
87	34.4	27.3	40.9
59	12.5	9.6	14.4

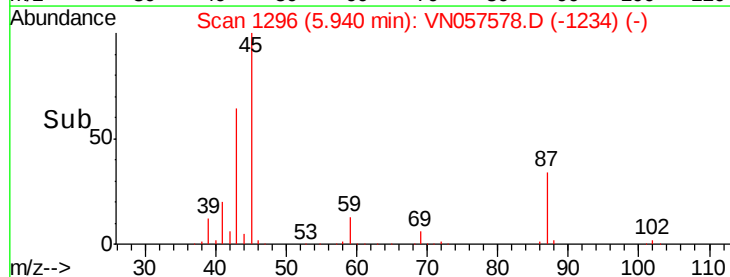
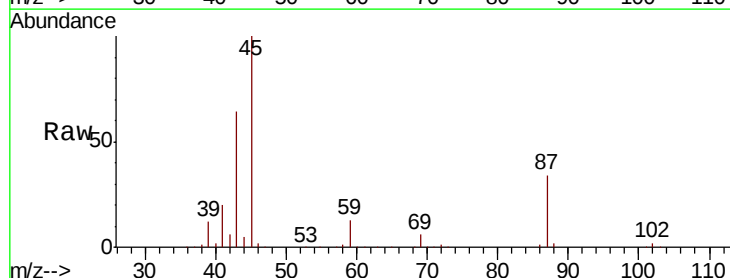
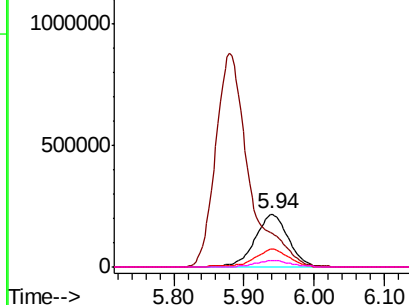
Abundance

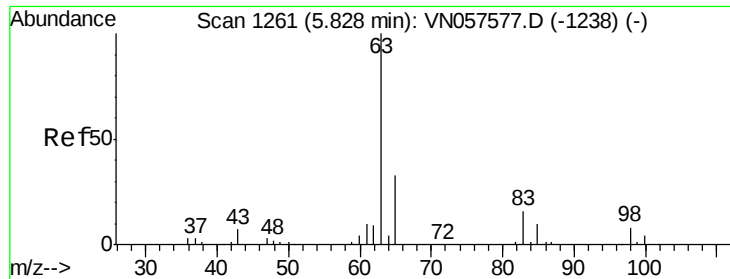
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





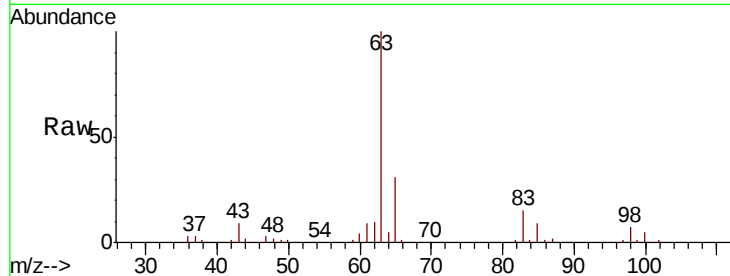
#21
 1,1-Dichloroethane
 Concen: 39.688 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

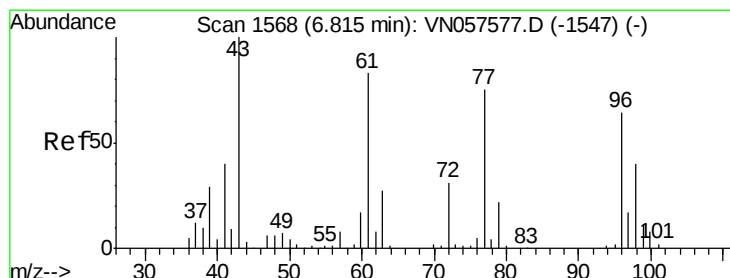
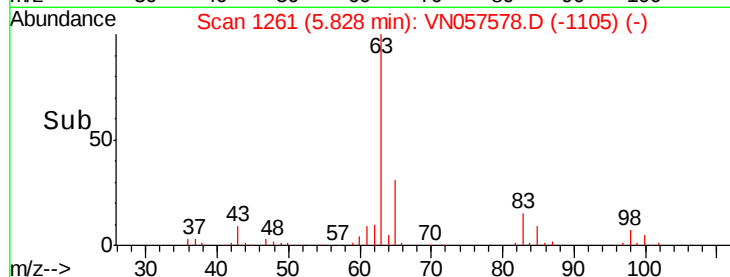
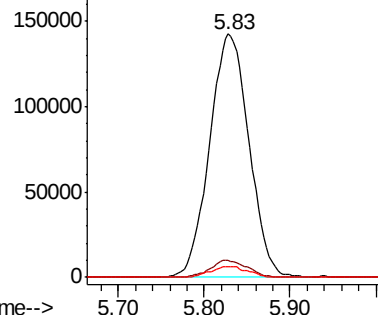
Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.9	3.8	11.2
100	4.5	2.0	6.0

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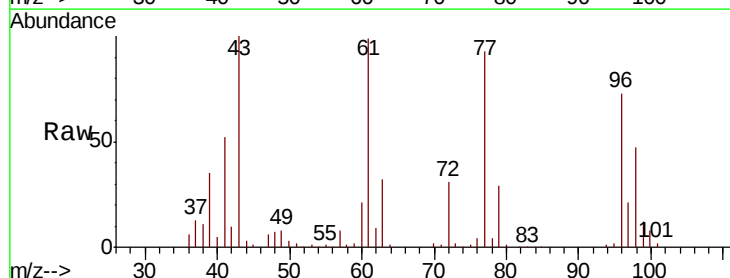


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

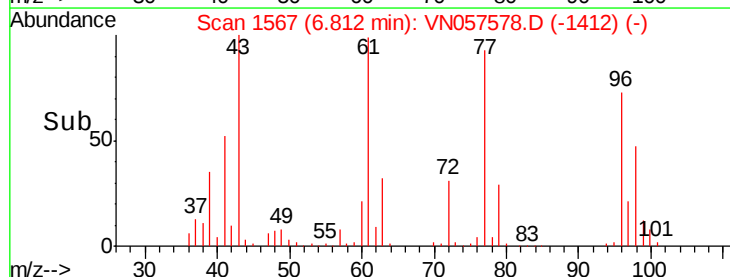
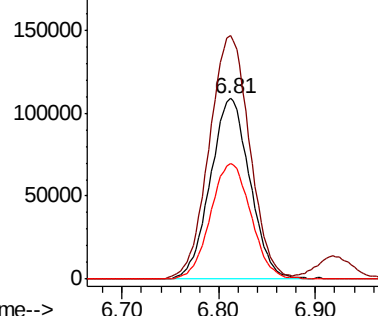


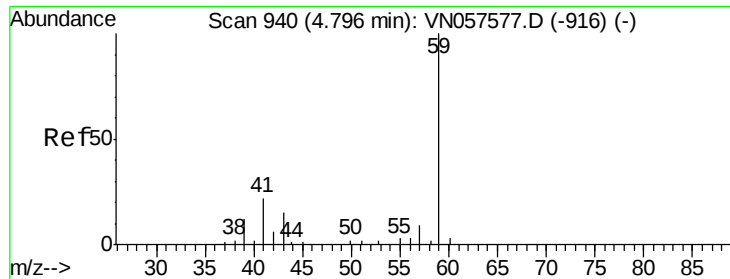
#22
 cis-1,2-Dichloroethene
 Concen: 47.044 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	137.9	110.5	165.7
98	65.2	51.1	76.7



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





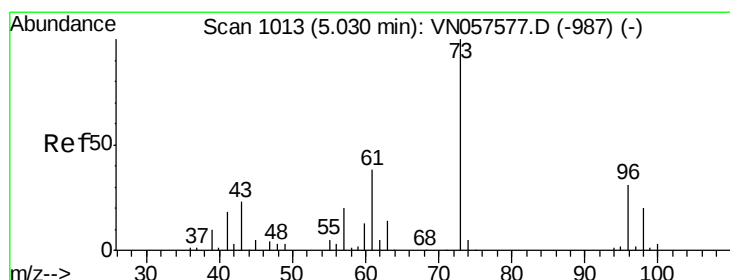
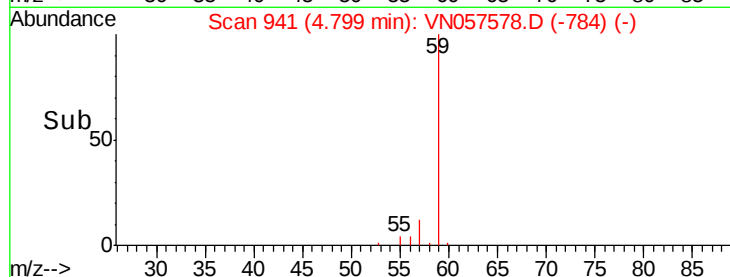
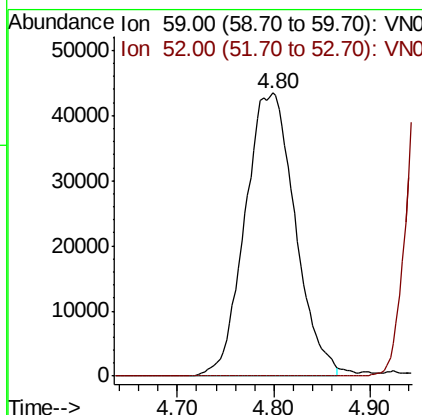
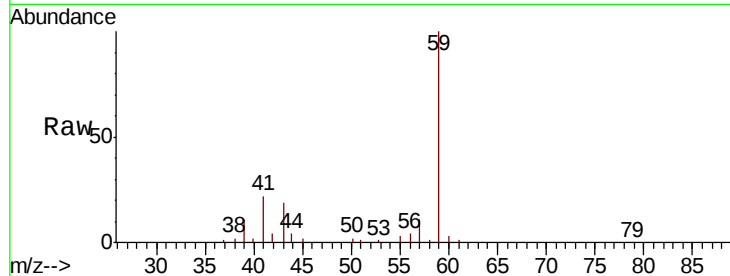
#23
 tert-Butyl Alcohol
 Concen: 165.296 ug/l m
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 59 Resp: 156868
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

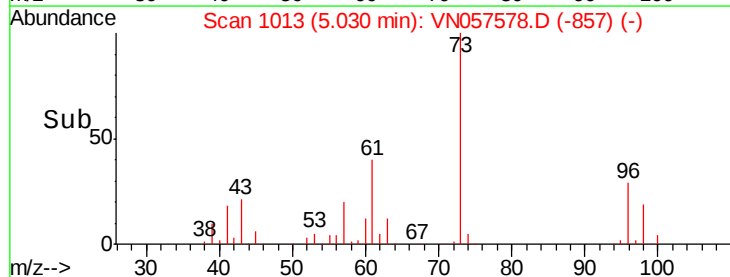
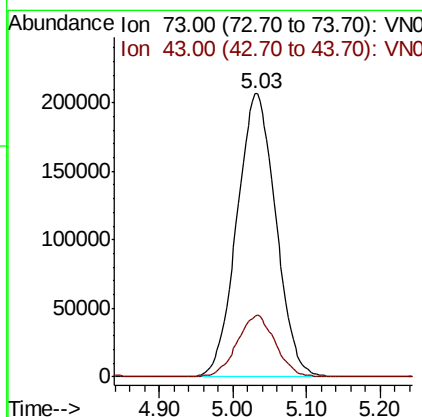
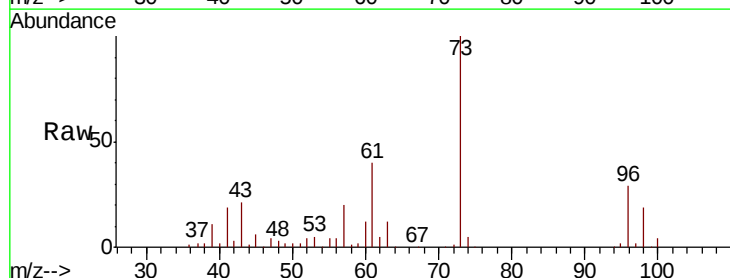
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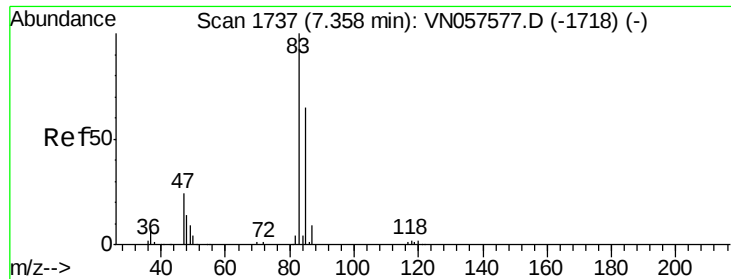
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#24
 Methyl tert-Butyl Ether
 Concen: 42.597 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 73 Resp: 758832
 Ion Ratio Lower Upper
 73 100
 43 21.0 18.4 27.6





#25

Chloroform

Concen: 46.453 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 544975

Ion Ratio Lower Upper

83 100

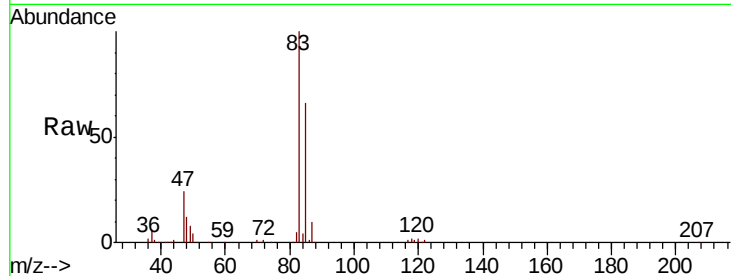
85 65.8 51.8 77.6

Manual Integrations

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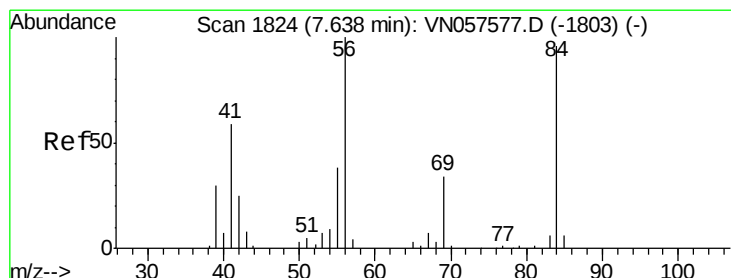
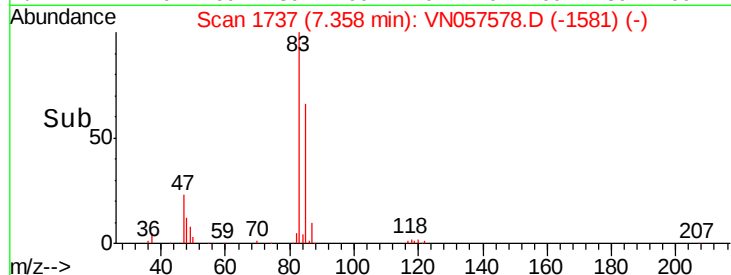
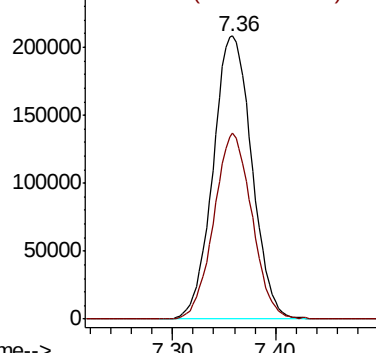
MMDadoda

8/31/2019 10:00:27 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 37.834 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

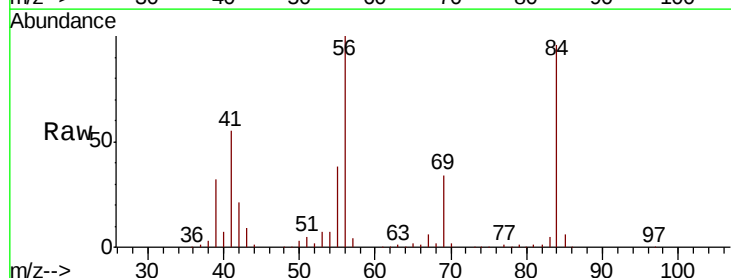
Tgt Ion: 56 Resp: 383215

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

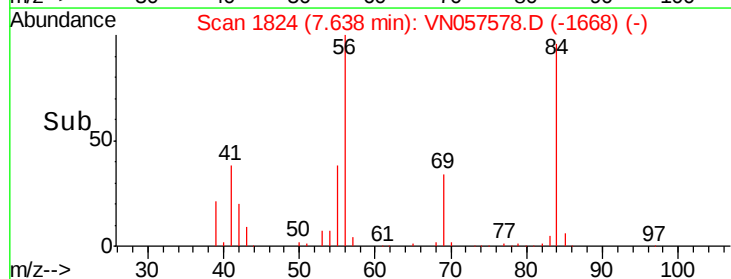
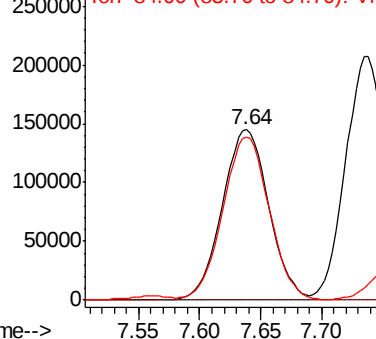
84 96.0 75.9 113.9

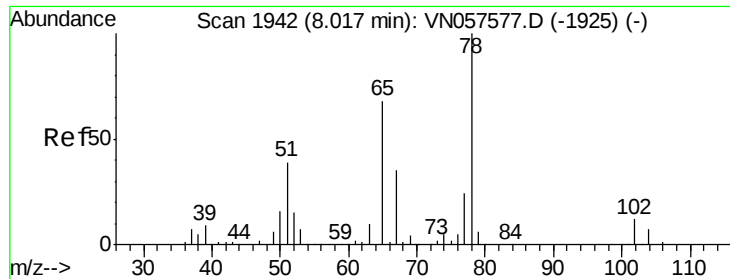


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





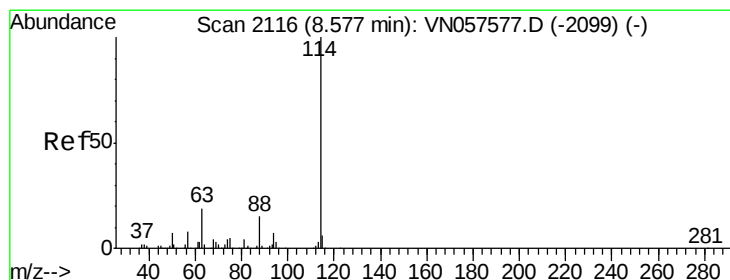
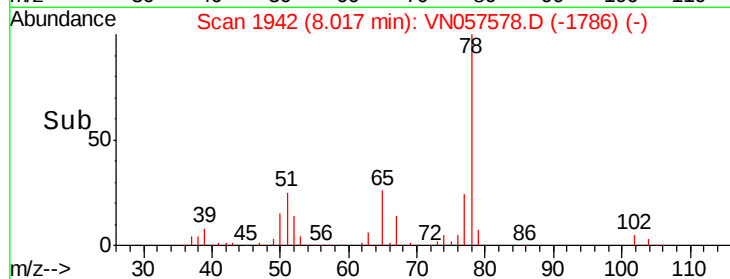
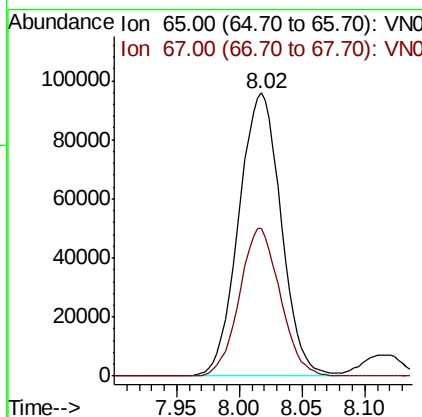
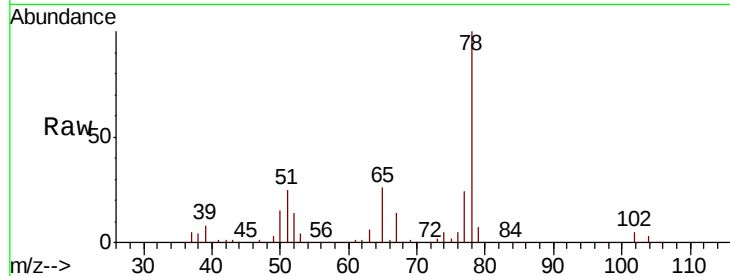
#27
 1,2-Dichloroethane-d4
 Concen: 26.216 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	225032		
67	50.2	39.8	59.6	

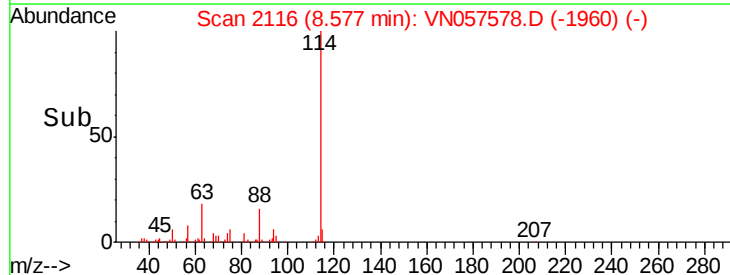
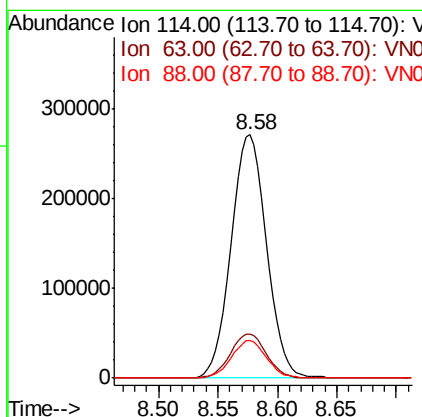
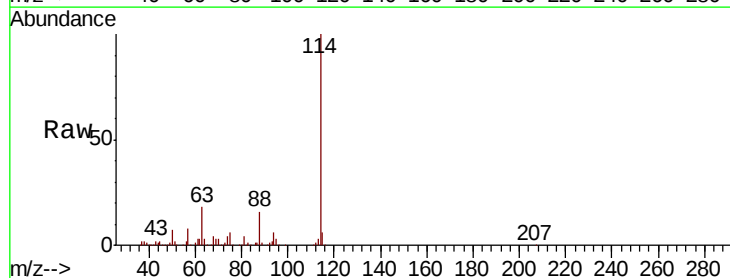
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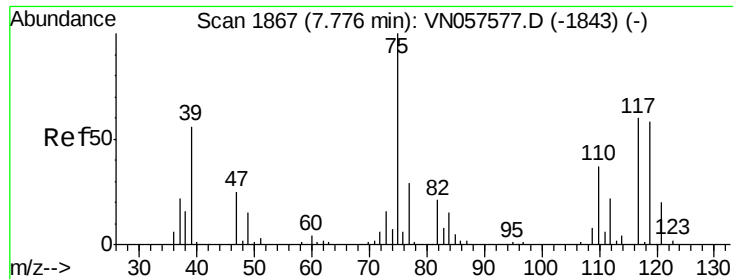
MMDadoda
 8/31/2019 10:00:27 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	560263		
63	18.5	15.4	23.0	
88	15.3	11.8	17.8	





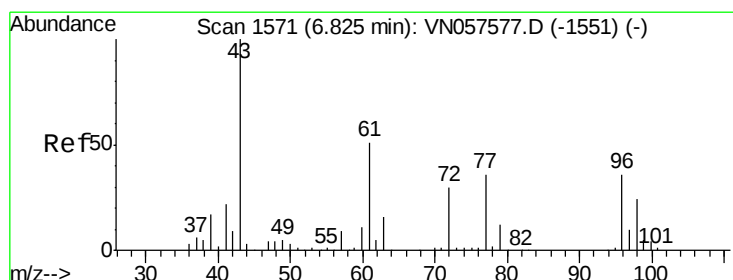
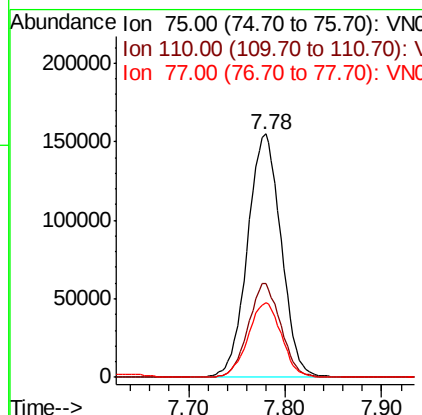
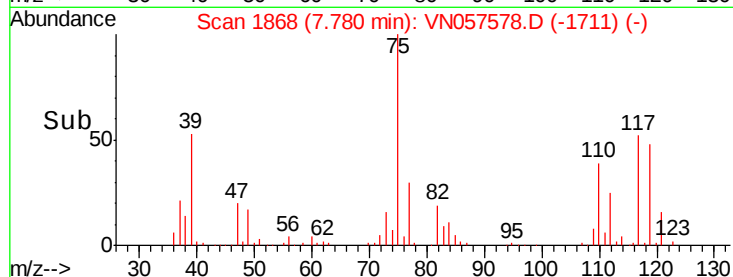
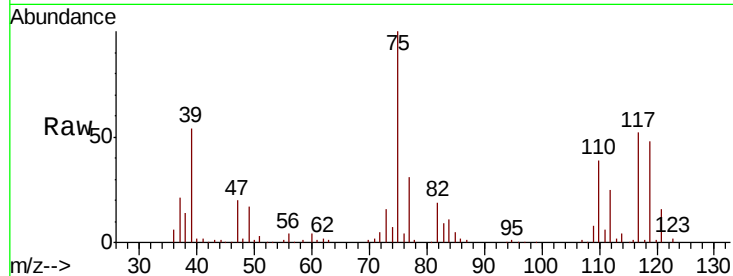
#29
 1,1-Dichloropropene
 Concen: 40.541 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	37.5	0.0	75.4
77	30.6	0.0	61.0

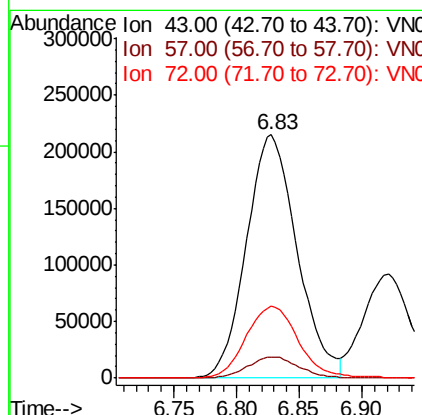
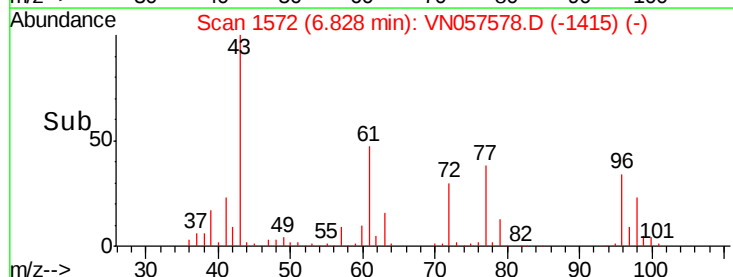
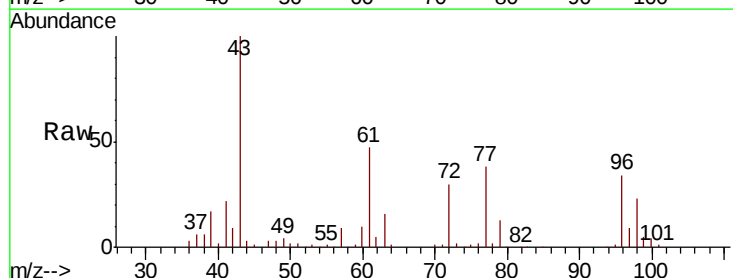
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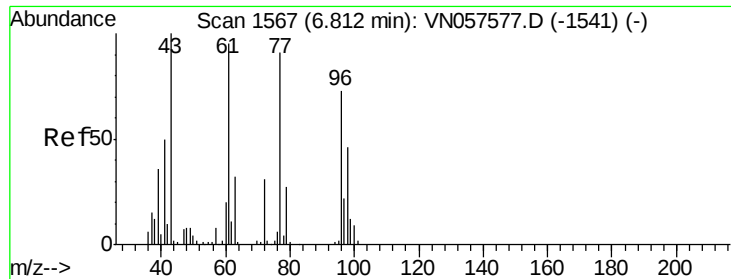
MMDadoda
 8/31/2019 10:00:27 AM



#30
 2-Butanone
 Concen: 143.494 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.9	3.5	5.3#
72	30.5	24.6	36.8





#31

2,2-Dichloropropane

Concen: 42.165 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 77 Resp: 445415

Ion Ratio Lower Upper

77 100

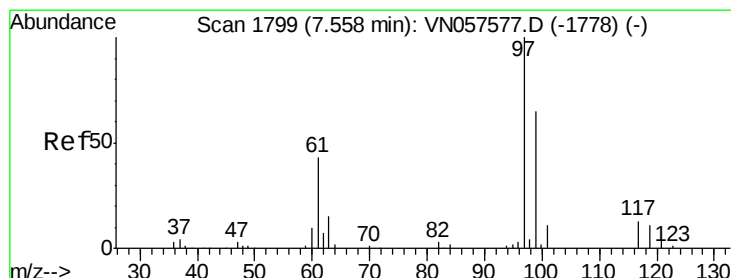
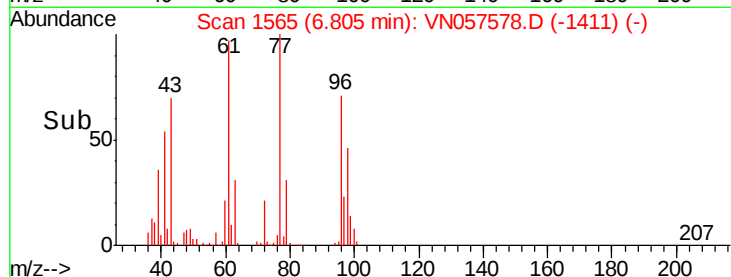
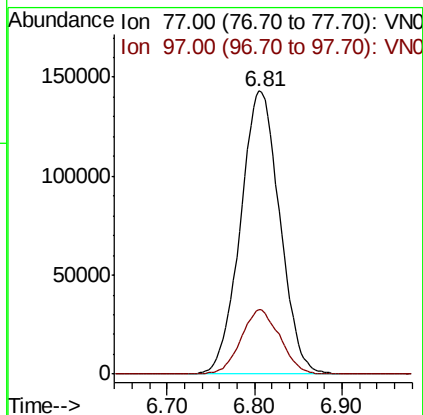
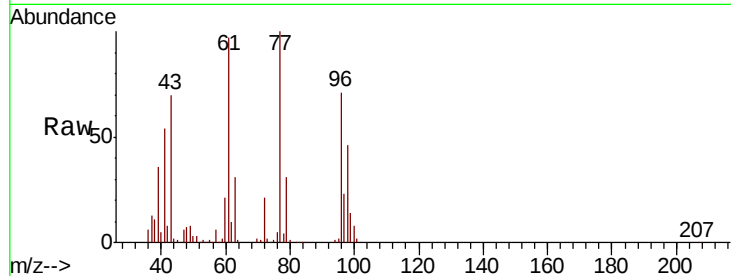
97 22.6 18.9 28.3

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#32

1,1,1-Trichloroethane

Concen: 46.129 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

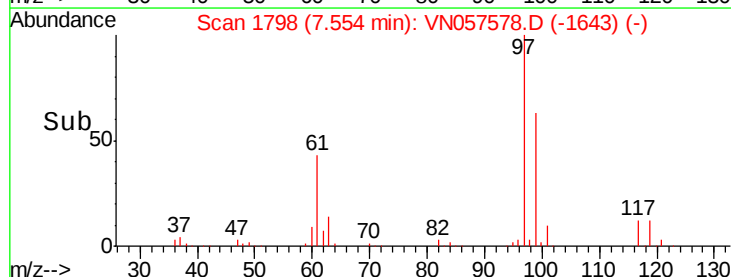
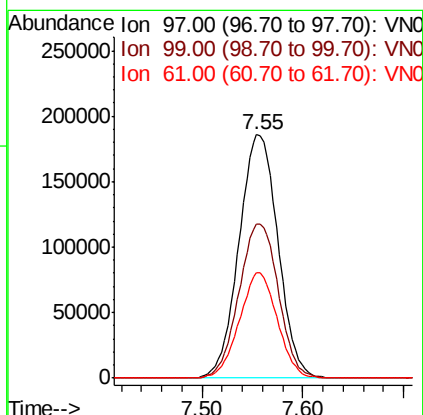
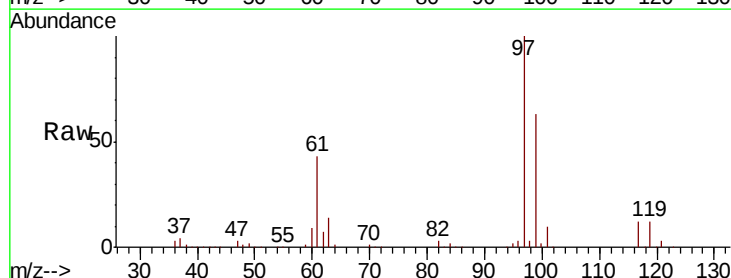
Tgt Ion: 97 Resp: 498604

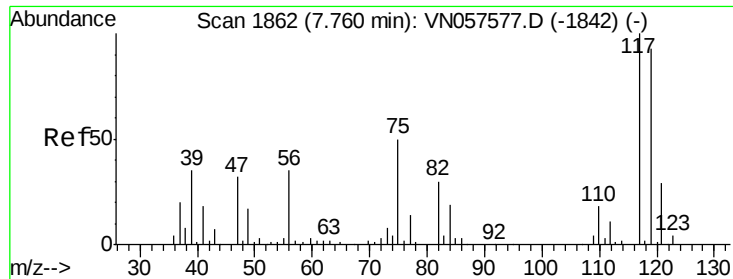
Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 42.2 34.4 51.6





#33

Carbon Tetrachloride

Concen: 47.549 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tgt Ion: 117 Resp: 427730
Ion Ratio Lower Upper

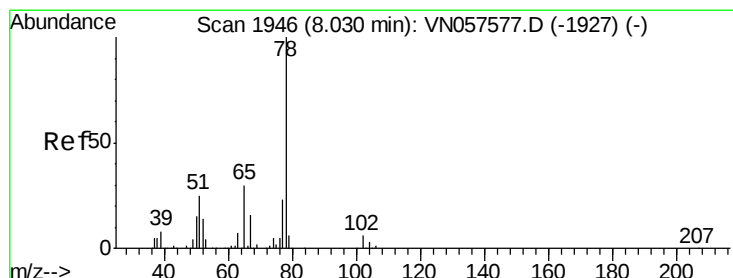
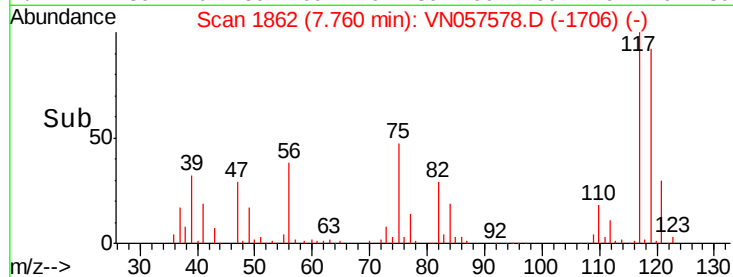
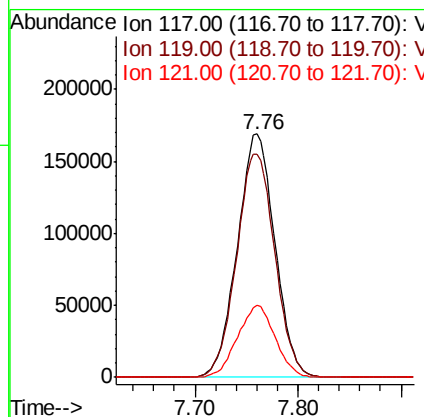
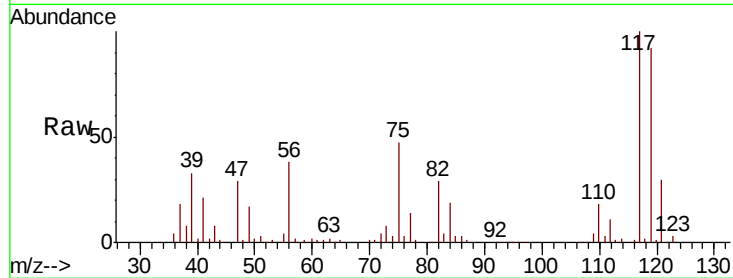
117 100

119 91.7 74.6 111.8

121 29.6 23.5 35.3

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#34

Benzene

Concen: 42.225 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057578.D

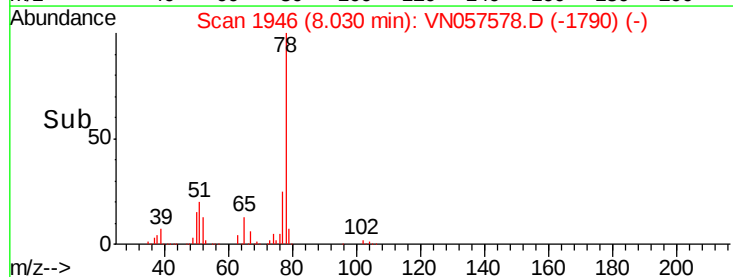
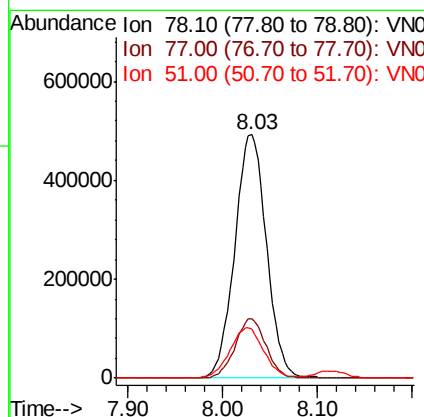
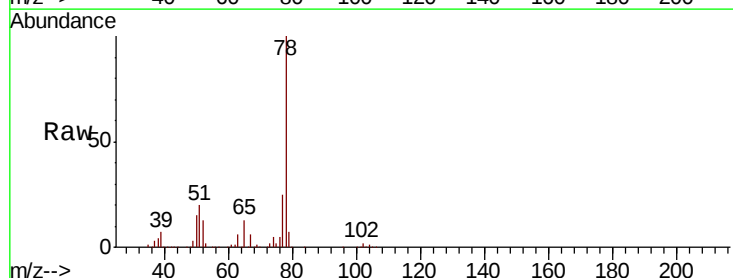
Acq: 30 Aug 2019 9:59

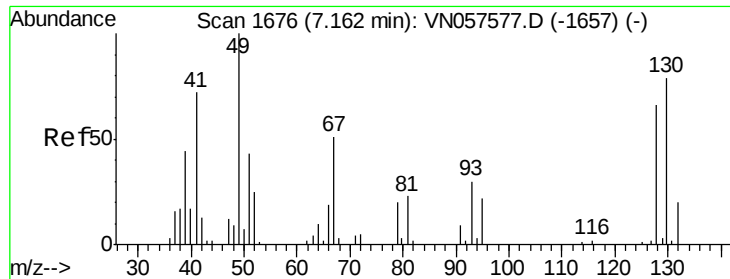
Tgt Ion: 78 Resp: 1146591
Ion Ratio Lower Upper

78 100

77 24.5 18.2 27.4

51 19.9 20.2 30.4#





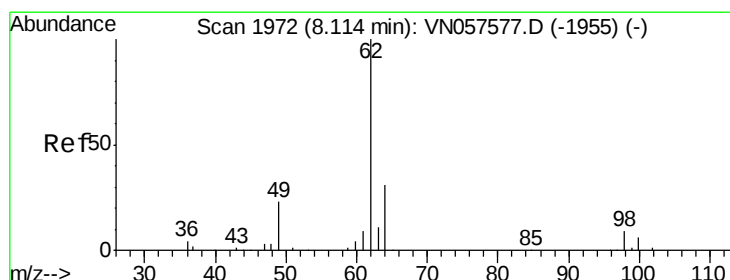
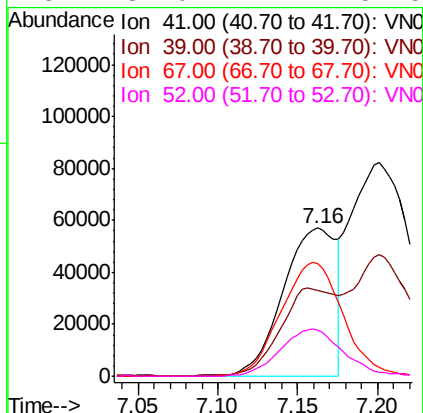
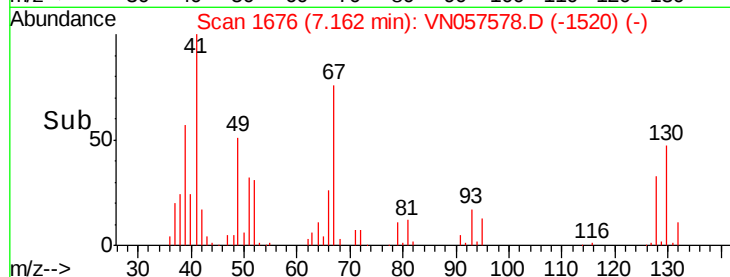
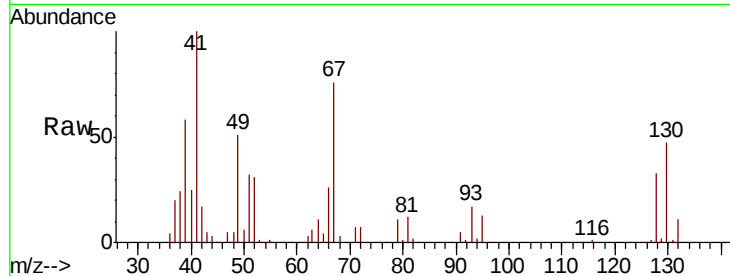
#35
Methacrylonitrile
Concen: 31.881 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.7	30.4	91.2
67	76.2	35.6	106.8
52	31.0	17.2	51.5

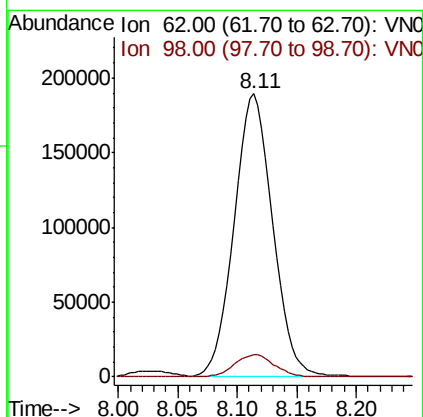
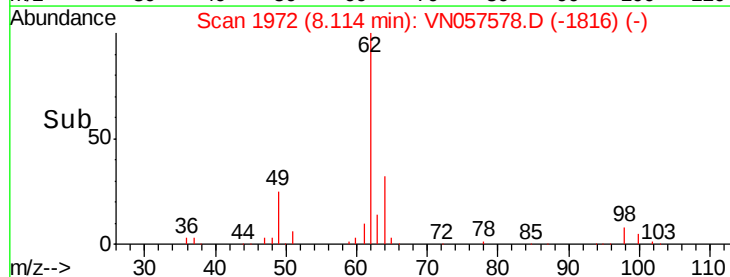
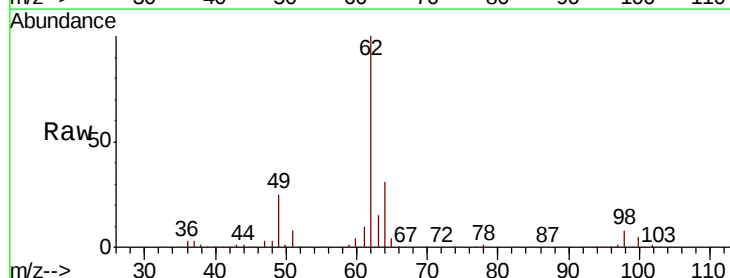
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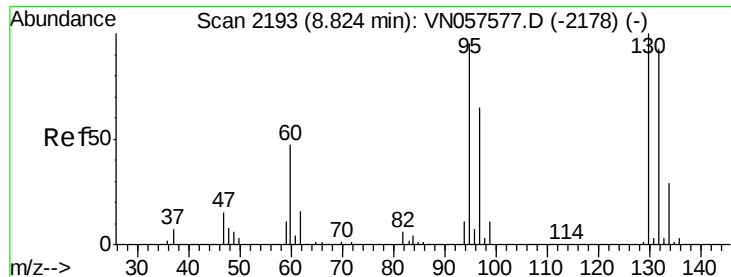
MMDadoda
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#36
1,2-Dichloroethane
Concen: 39.784 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.8	10.2





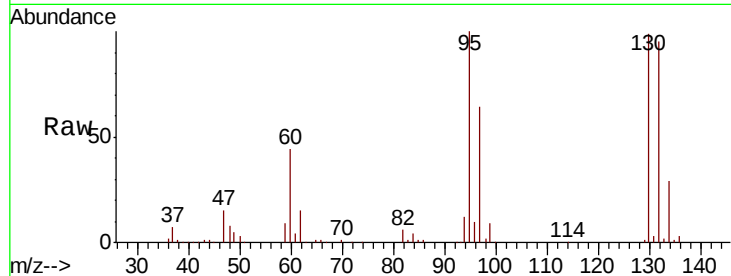
#37
 Trichloroethene
 Concen: 49.807 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

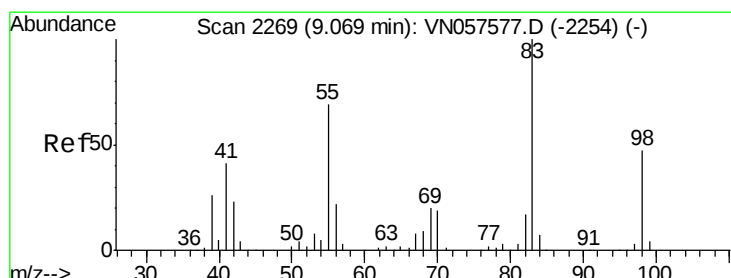
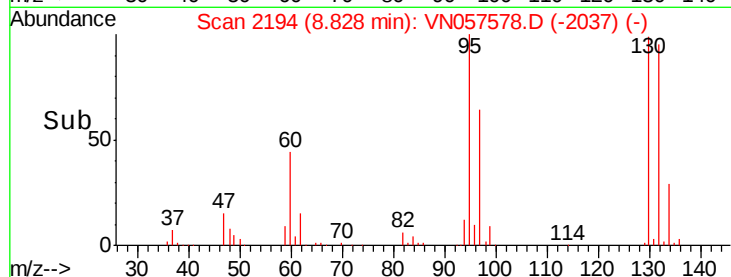
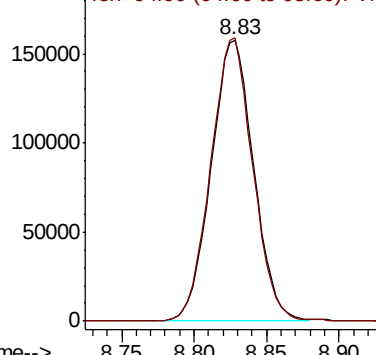
Tgt Ion: 130 Resp: 321234
 Ion Ratio Lower Upper
 130 100
 95 100.6 76.2 114.2

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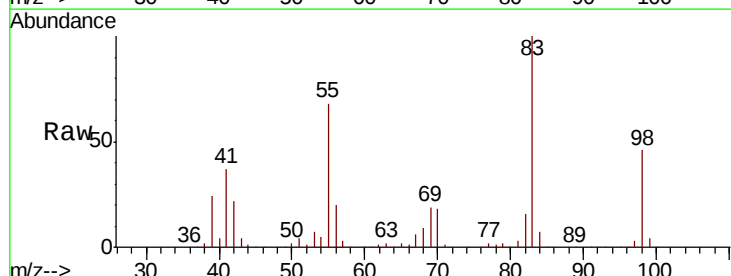


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

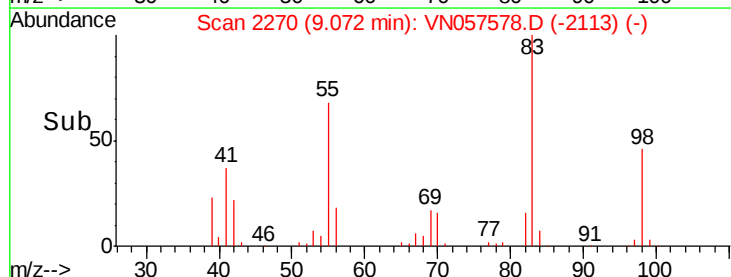
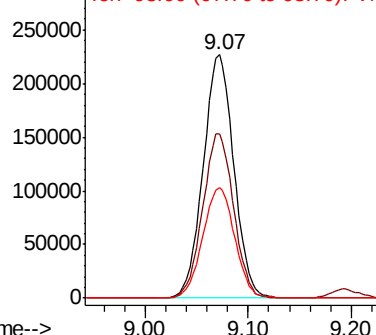


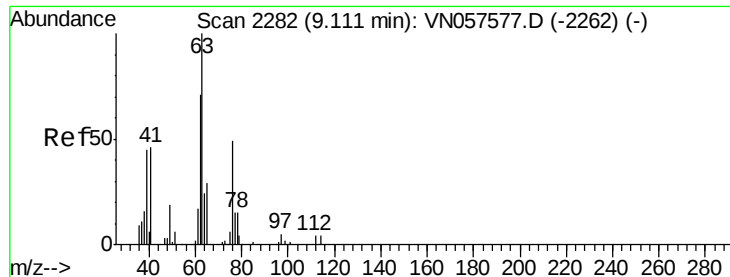
#38
 Methylcyclohexane
 Concen: 44.579 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 83 Resp: 469857
 Ion Ratio Lower Upper
 83 100
 55 68.0 34.5 103.6
 98 47.4 23.4 70.3



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





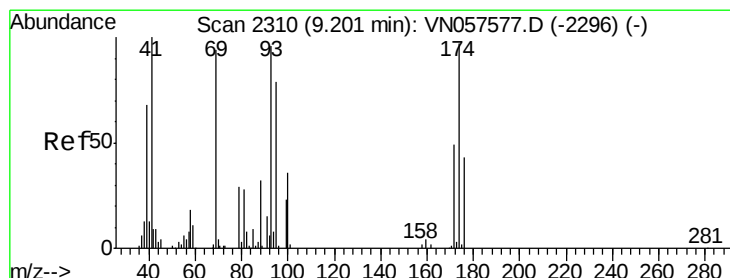
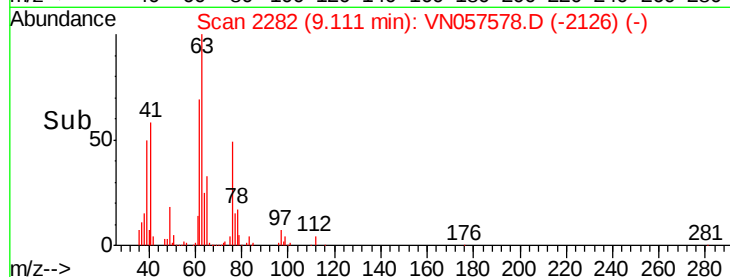
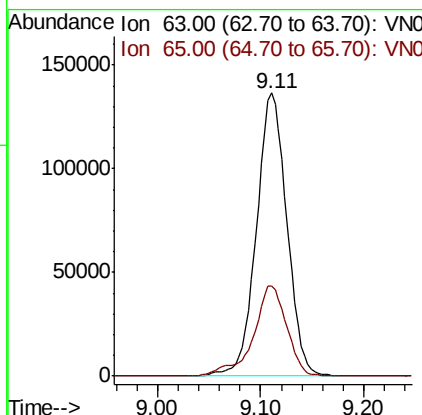
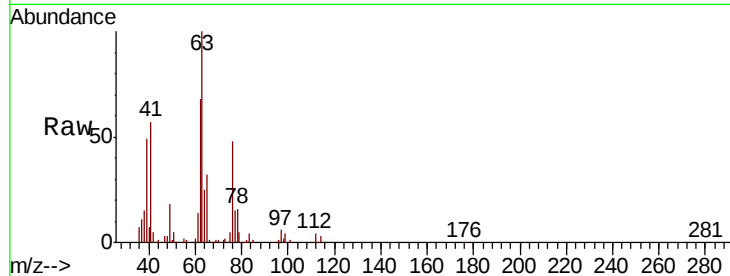
#39
 1,2-Dichloropropane
 Concen: 37.074 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.2	36.2

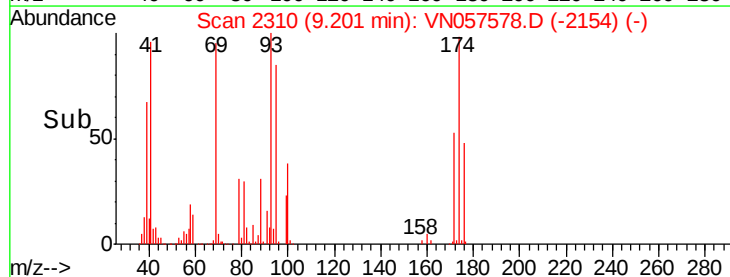
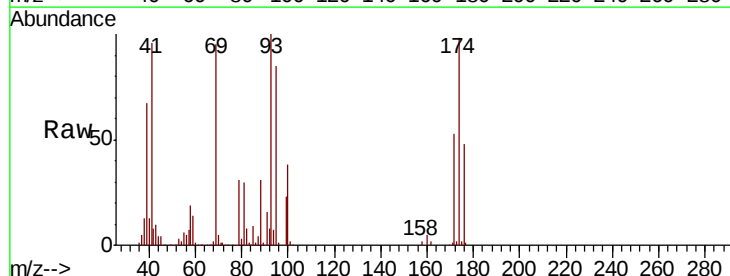
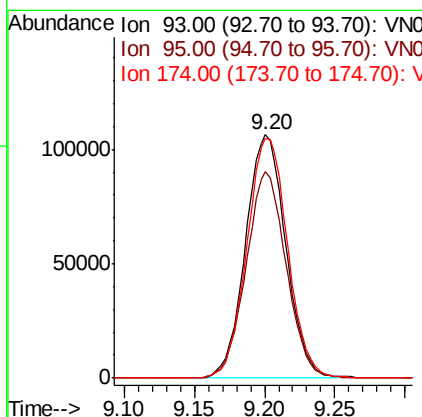
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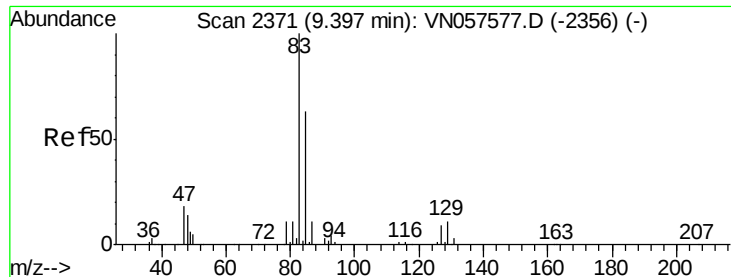
MMDadoda
 8/31/2019 10:00:27 AM



#40
 Dibromomethane
 Concen: 44.398 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	0.0	162.8
174	99.9	0.0	199.2





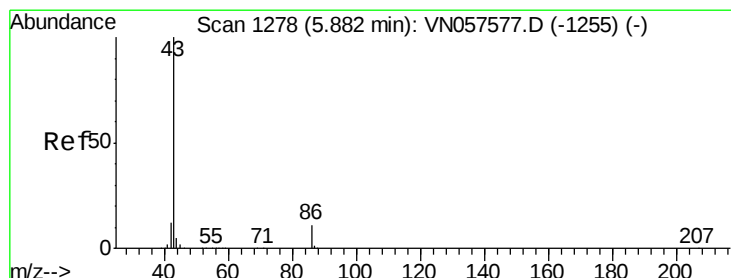
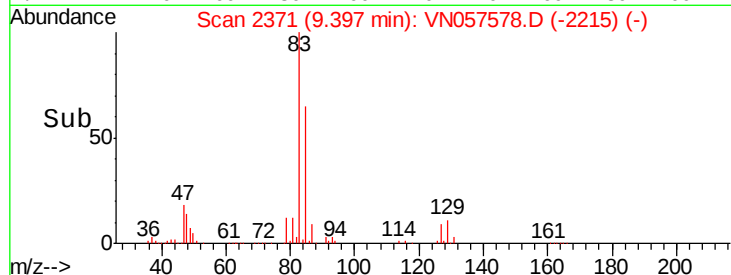
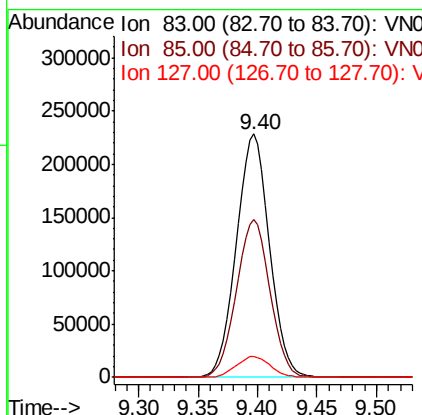
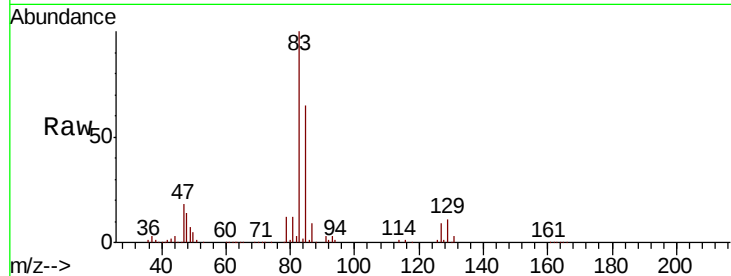
#41
Bromodichloromethane
Concen: 43.574 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.3	75.5
127	8.7	7.4	11.2

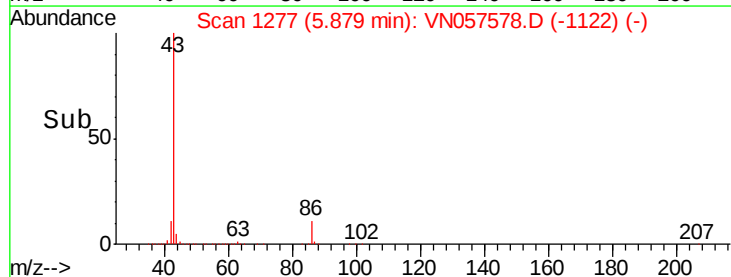
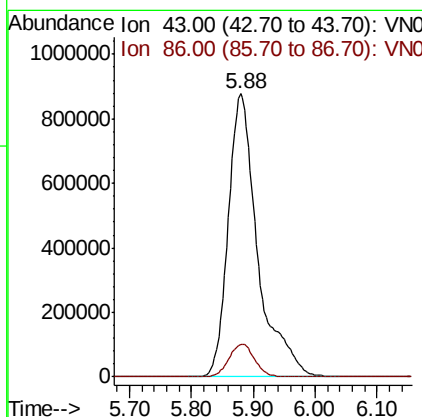
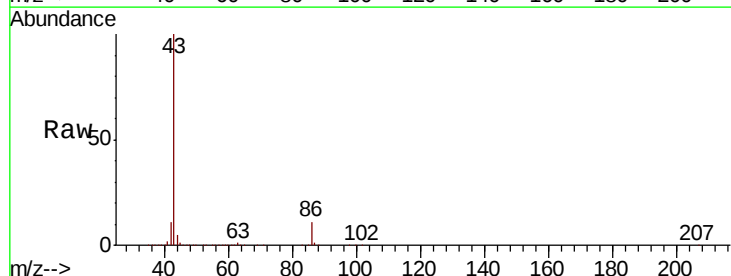
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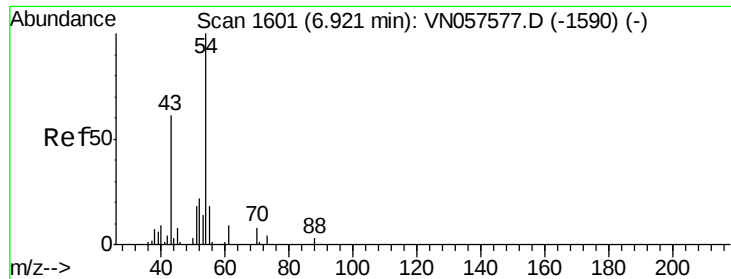
MMDadoda
8/31/2019 10:00:27 AM



#42
Vinyl Acetate
Concen: 153.743 ug/l
RT: 5.88 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1





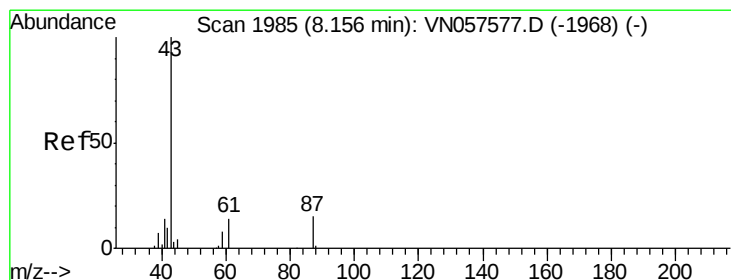
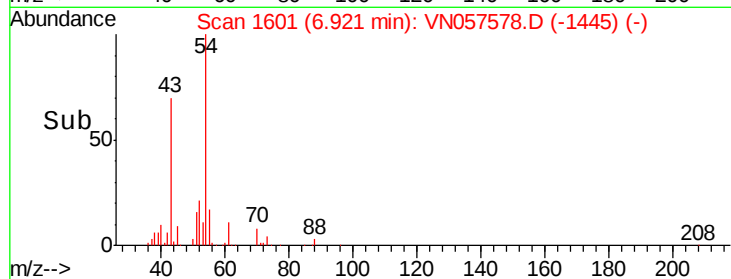
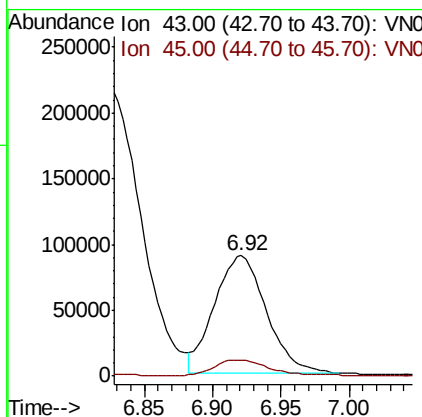
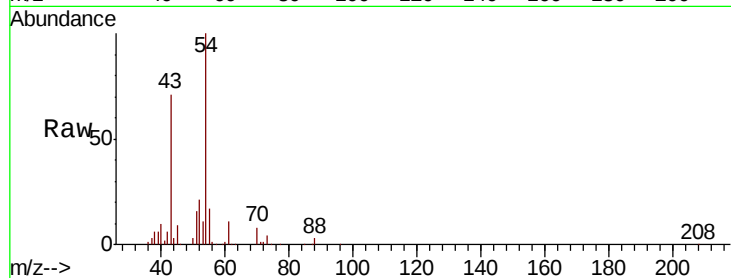
#43
Ethyl Acetate
Concen: 28.839 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 236018
Ion Ratio Lower Upper
43 100
45 13.8 9.9 14.9

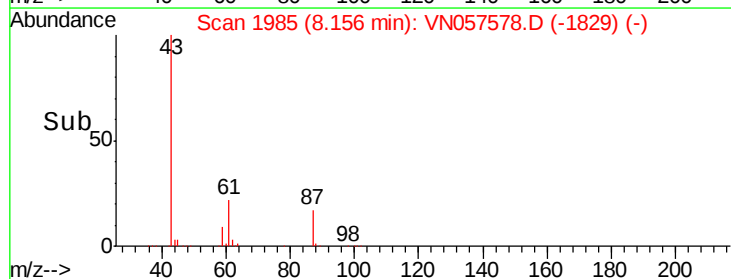
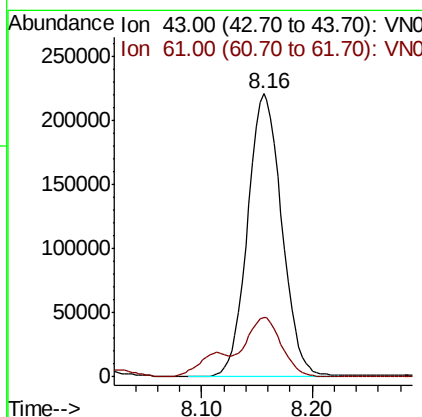
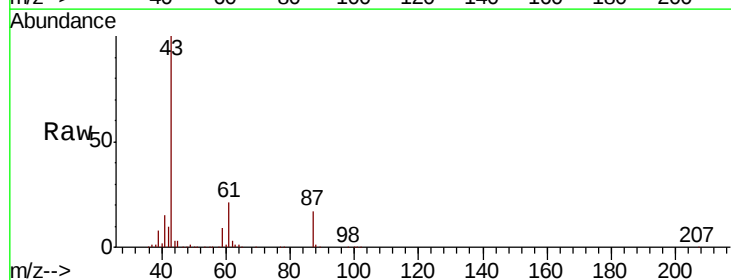
Manual Integrations
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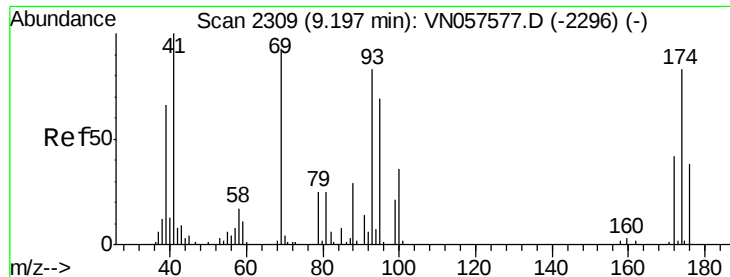
MMDadoda
8/31/2019 10:00:27 AM



#44
Isopropyl Acetate
Concen: 30.051 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 43 Resp: 471662
Ion Ratio Lower Upper
43 100
61 21.5 16.0 24.0





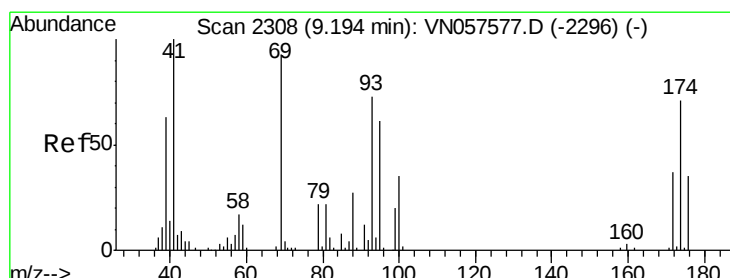
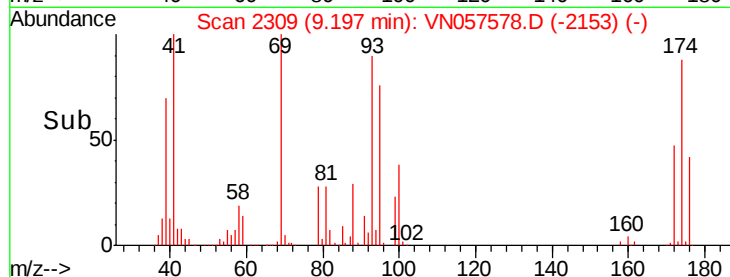
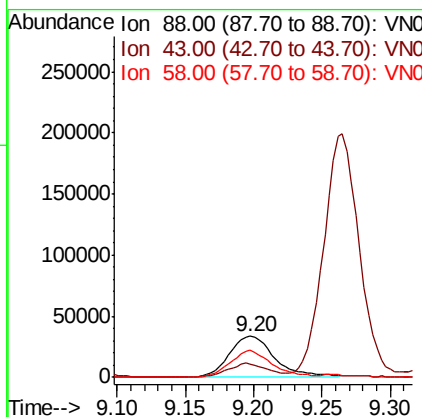
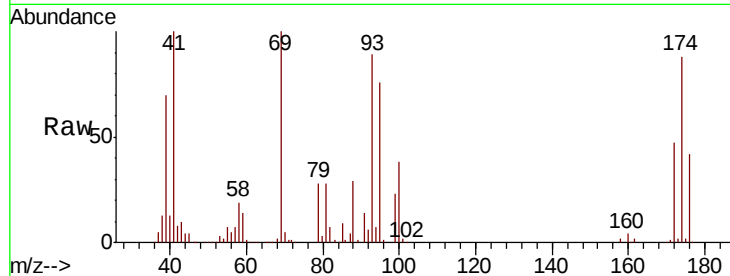
#45
 1,4-Dioxane
 Concen: 792.814 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 88 Resp: 78728
 Ion Ratio Lower Upper
 88 100
 43 27.9 18.2 27.4#
 58 60.3 45.0 67.6

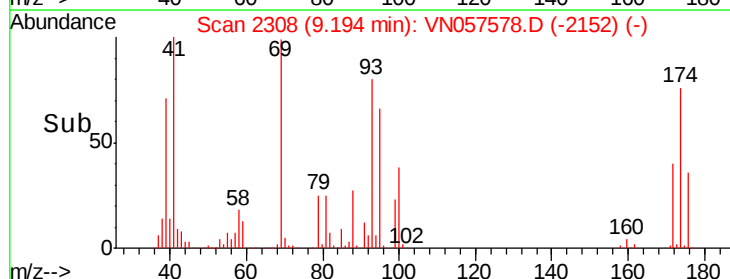
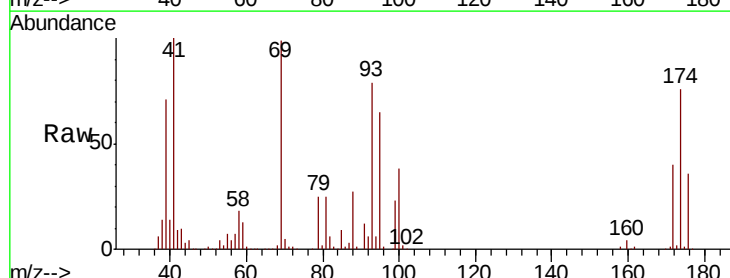
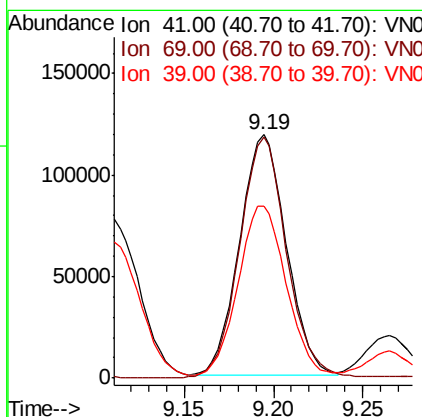
Manual Integrations
 APPROVED

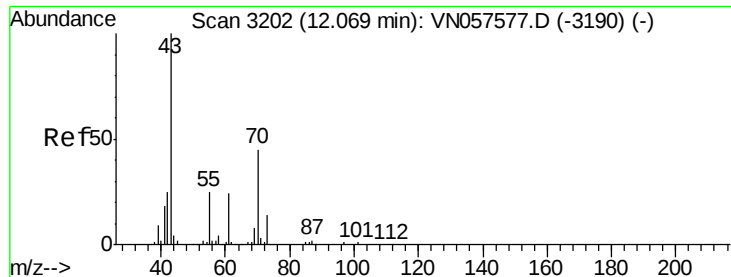
MMDadoda
 8/31/2019 10:00:27 AM



#46
 Methyl methacrylate
 Concen: 29.052 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 41 Resp: 217213
 Ion Ratio Lower Upper
 41 100
 69 99.7 46.4 139.1
 39 70.4 31.6 94.8





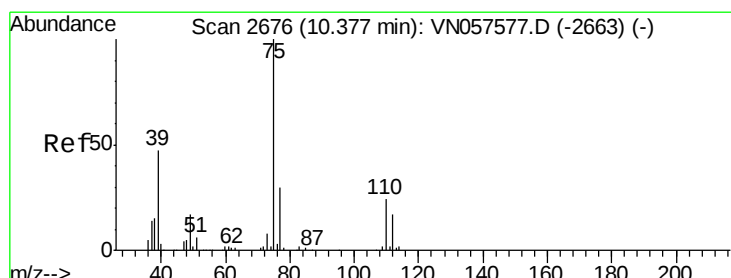
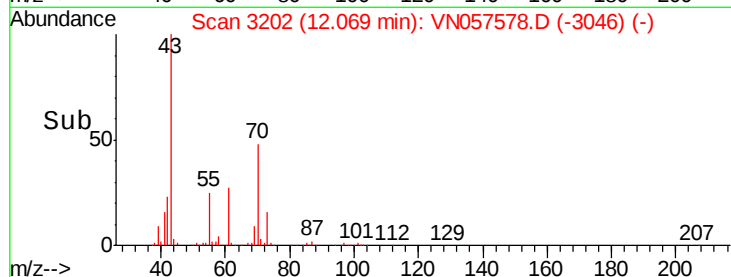
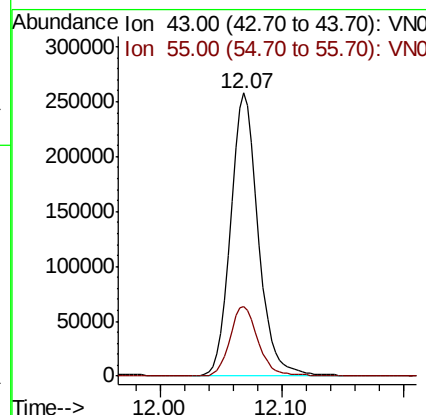
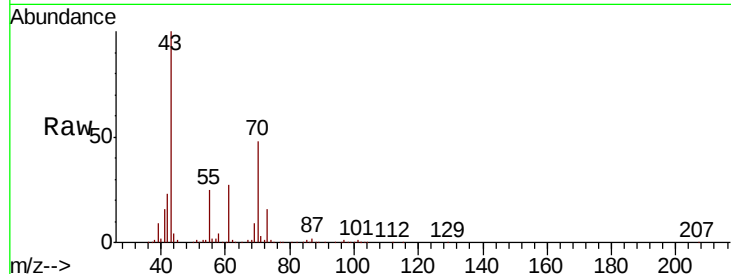
#47
n-amyl Acetate
Concen: 31.885 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 407846
Ion Ratio Lower Upper
43 100
55 25.4 20.2 30.2

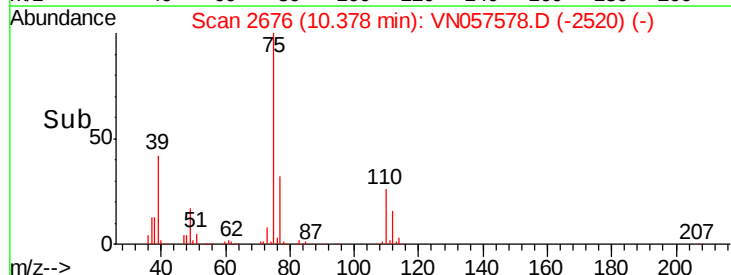
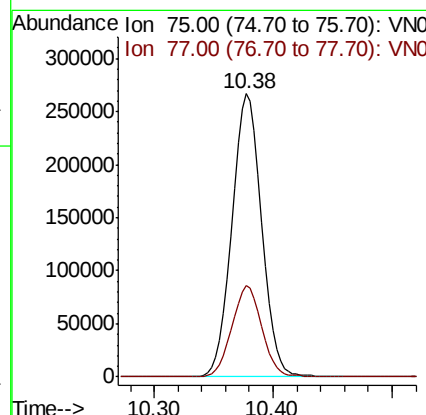
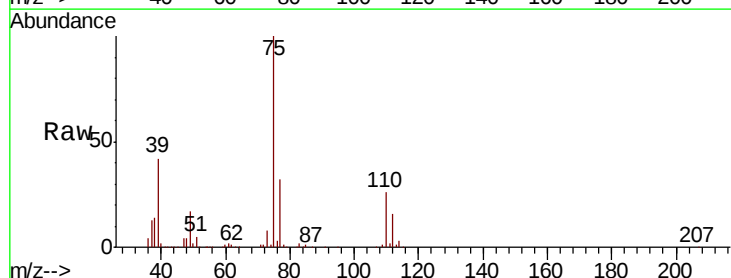
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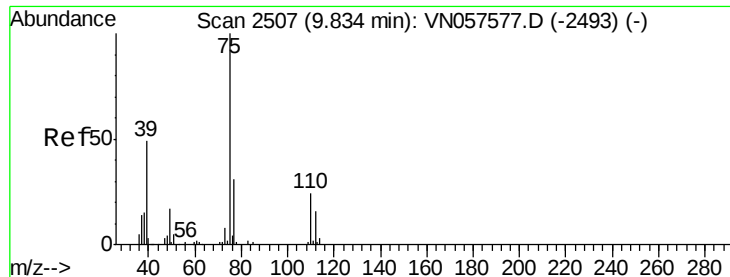
MMDadoda
8/31/2019 10:00:27 AM



#48
t-1,3-Dichloropropene
Concen: 43.574 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 75 Resp: 460559
Ion Ratio Lower Upper
75 100
77 32.1 23.8 35.6





#49

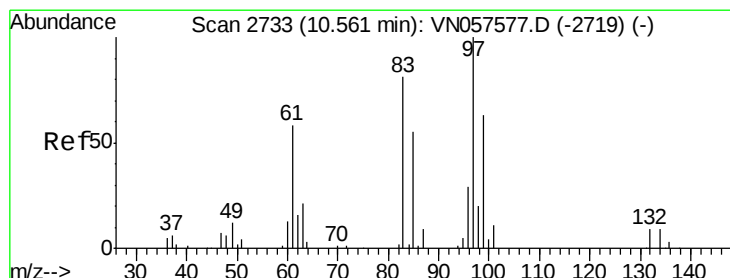
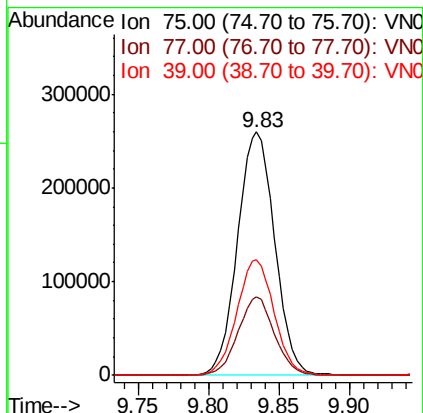
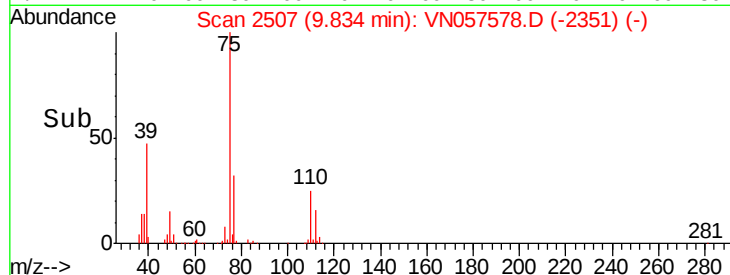
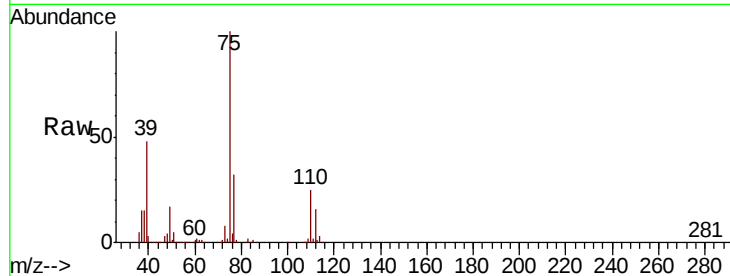
cis-1,3-Dichloropropene
Concen: 41.485 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	47.6	39.0	58.4

Manual Integrations
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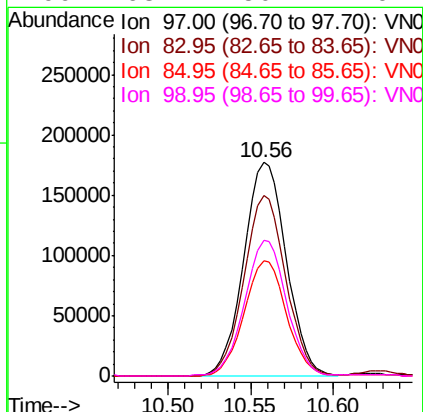
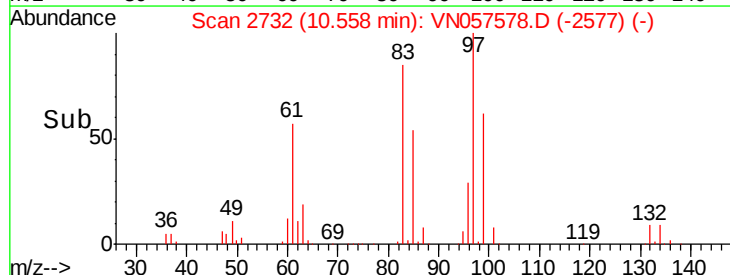
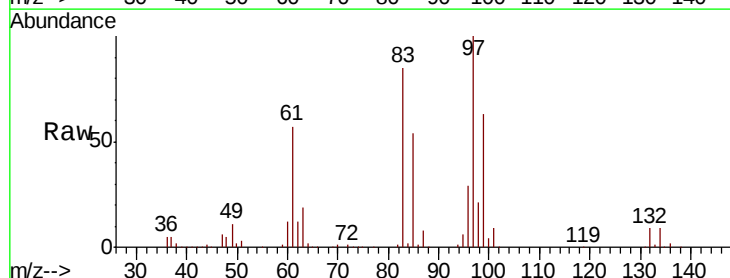
MMDadoda
8/31/2019 10:00:27 AM

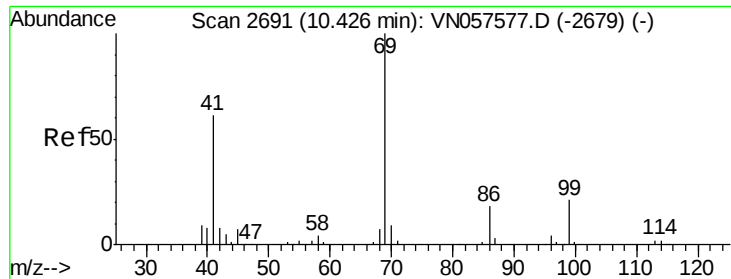


#50

1,1,2-Trichloroethane
Concen: 50.185 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.1	97.7
85	53.9	43.7	65.5
99	63.1	50.7	76.1





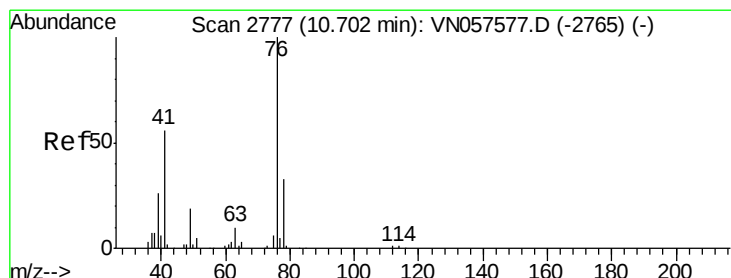
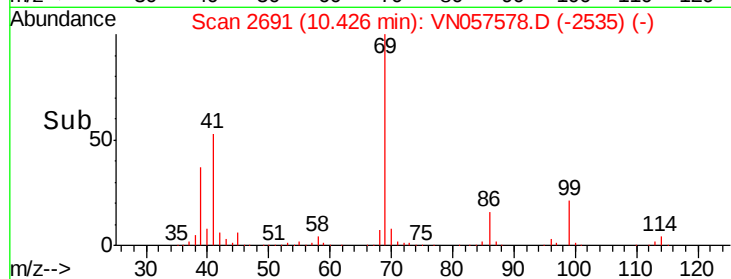
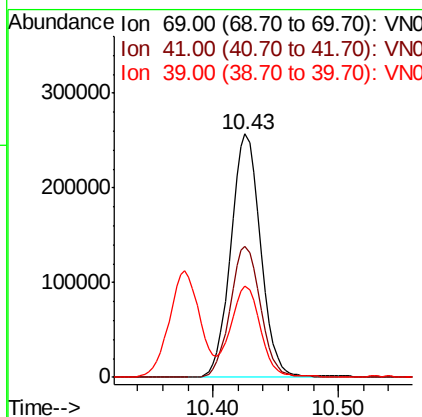
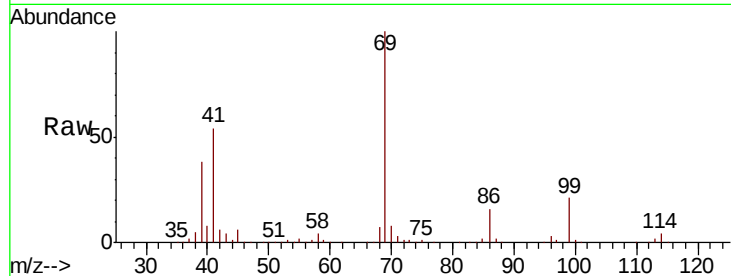
#51
Ethyl methacrylate
Concen: 41.918 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.3	30.6	92.0
39	37.3	22.3	66.9

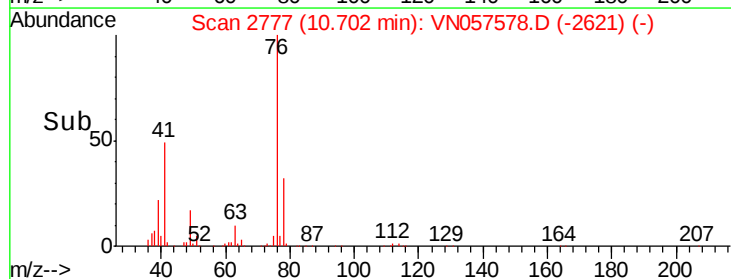
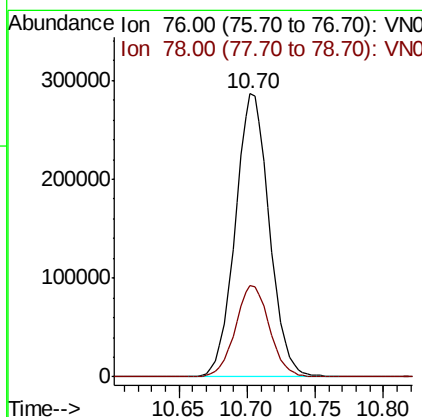
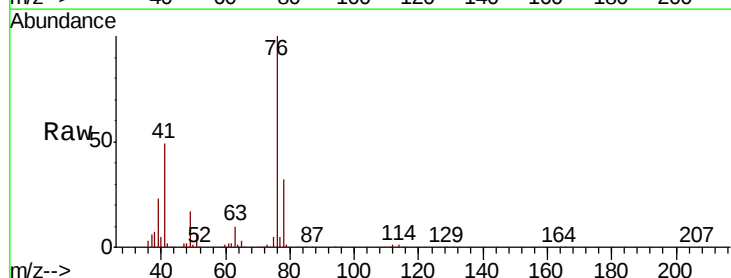
Manual Integrations
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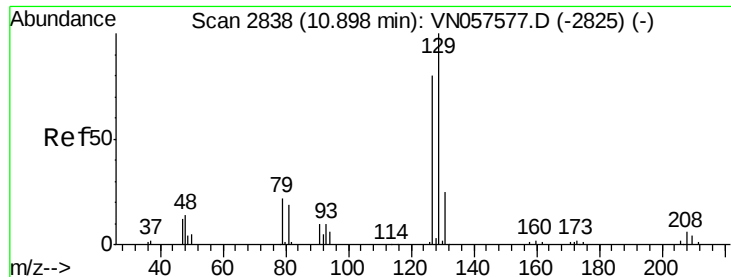
MMDadoda
8/31/2019 10:00:27 AM



#52
1,3-Dichloropropane
Concen: 43.975 ug/l
RT: 10.70 min Scan# 2777
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	67.0





#53

Dibromochloromethane

Concen: 53.898 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:129 Resp: 365497

Ion Ratio Lower Upper

129 100

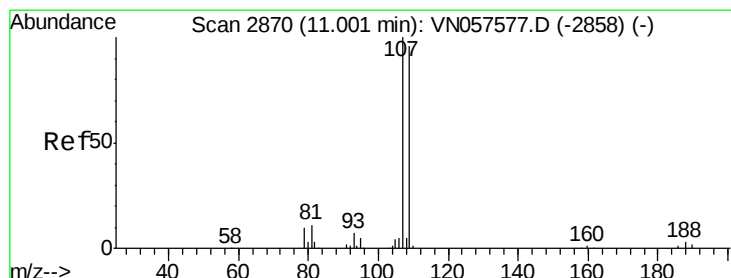
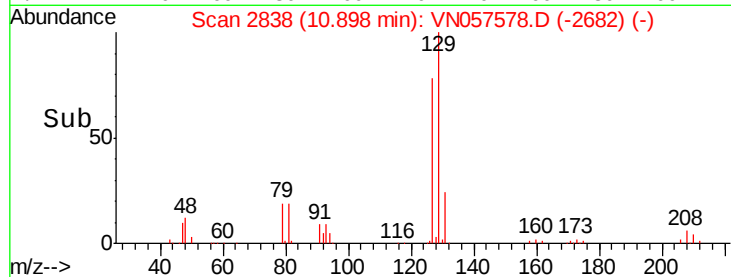
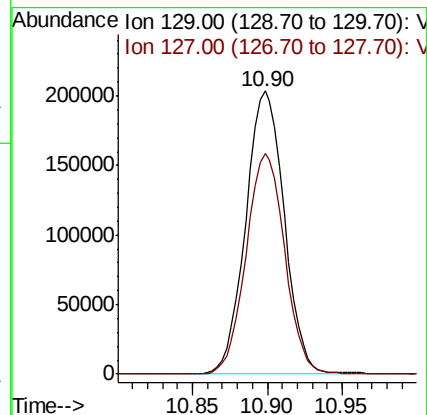
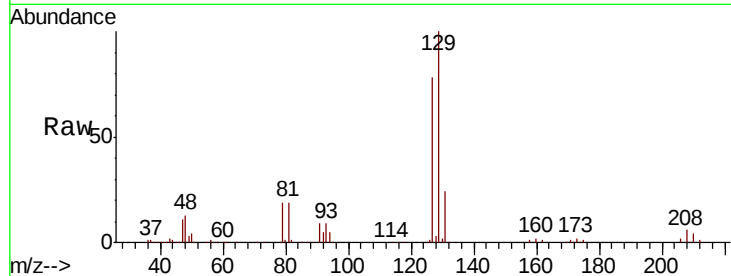
127 78.0 38.9 116.7

Manual Integrations

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MMDadoda

8/31/2019 10:00:27 AM



#54

1,2-Dibromoethane

Concen: 51.645 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057578.D

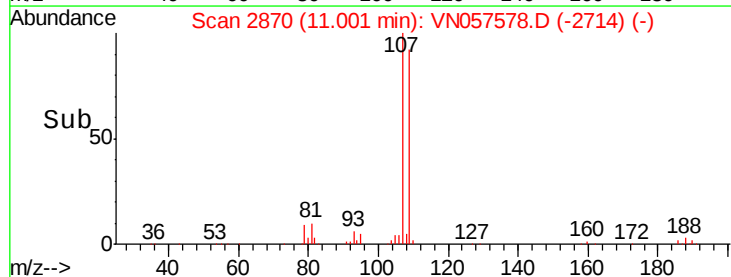
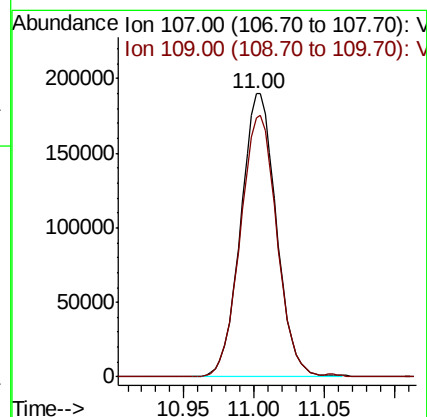
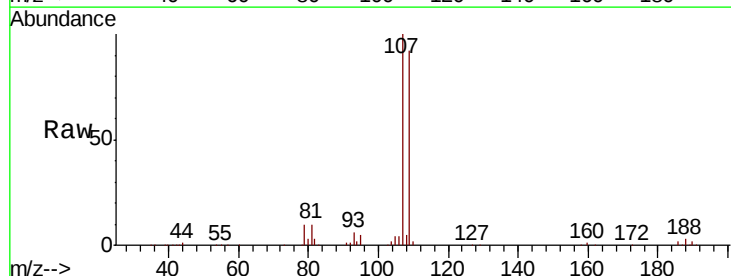
Acq: 30 Aug 2019 9:59

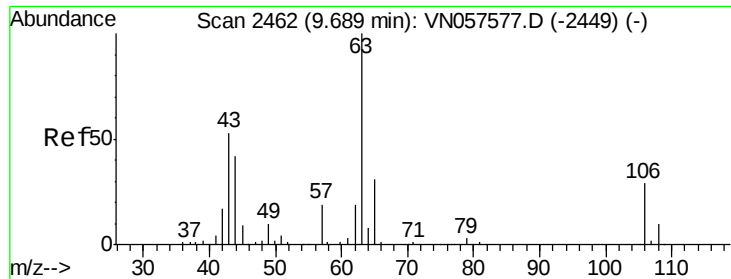
Tgt Ion:107 Resp: 336270

Ion Ratio Lower Upper

107 100

109 94.3 75.2 112.8





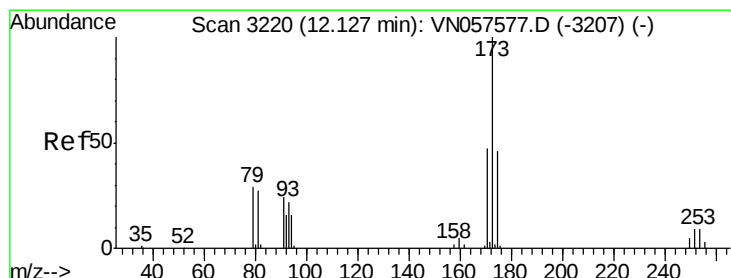
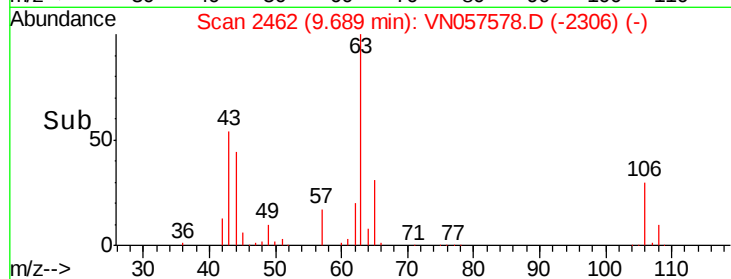
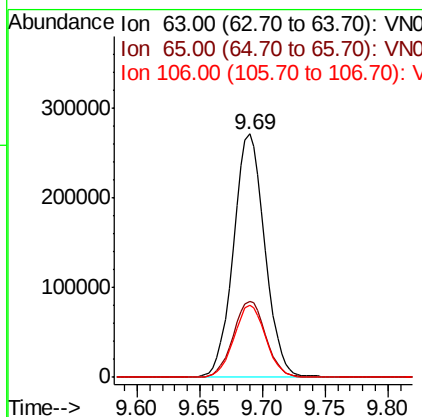
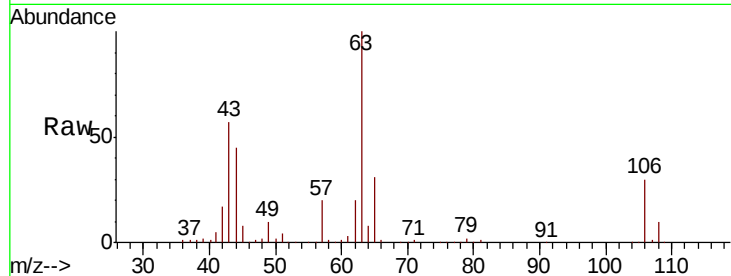
#55
2-Chloroethyl vinyl ether
Concen: 185.275 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.0	37.4
106	30.0	23.7	35.5

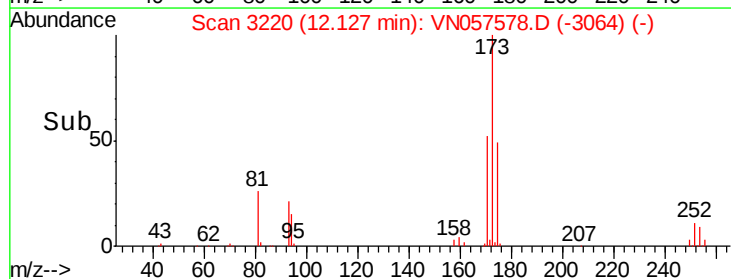
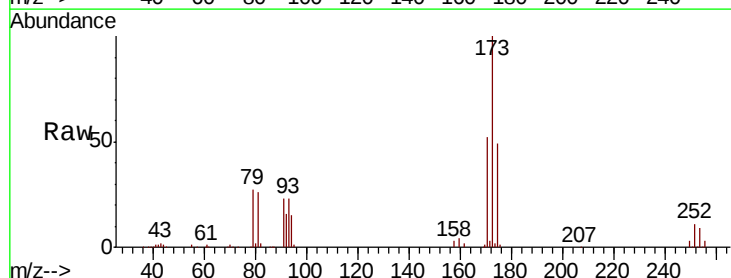
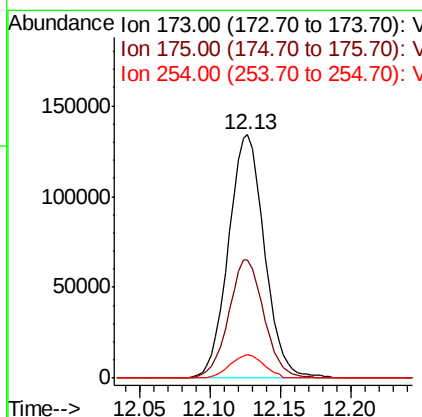
Manual Integrations
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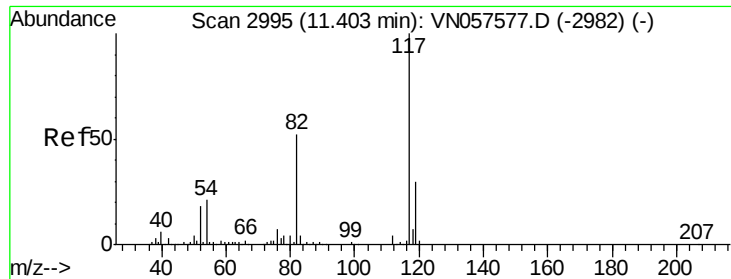
MMDadoda
8/31/2019 10:00:27 AM



#56
Bromoform
Concen: 57.931 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	37.3	55.9
254	9.0	2.2	3.2#





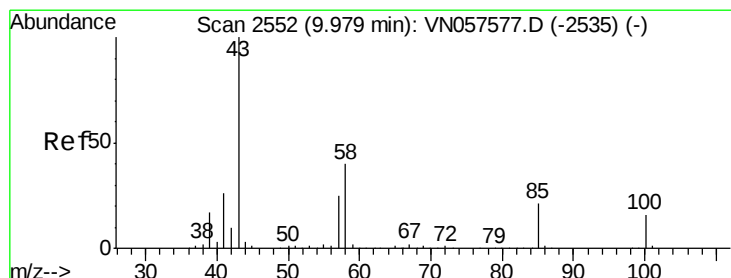
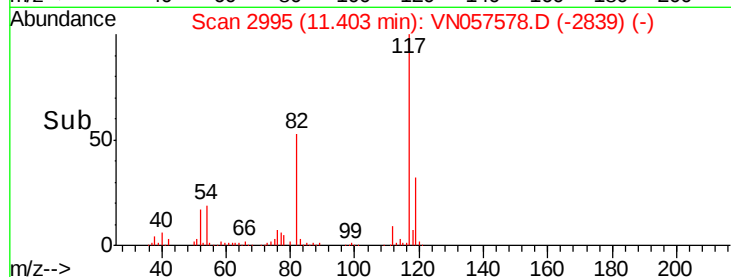
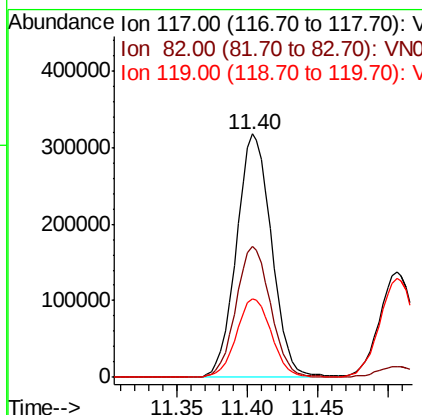
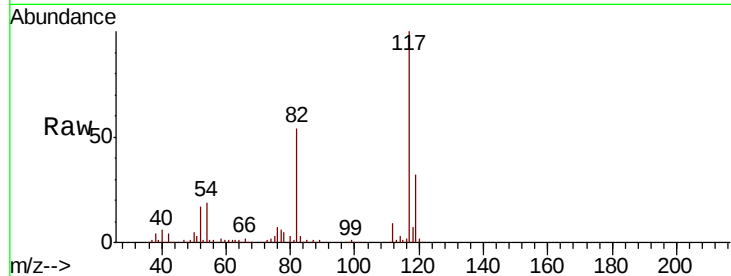
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	554297		
82	53.3	42.6	63.8	
119	32.3	25.0	37.6	

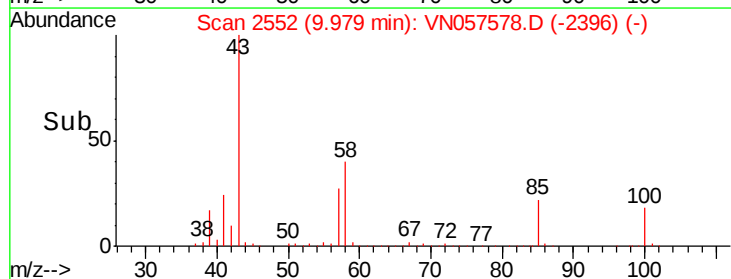
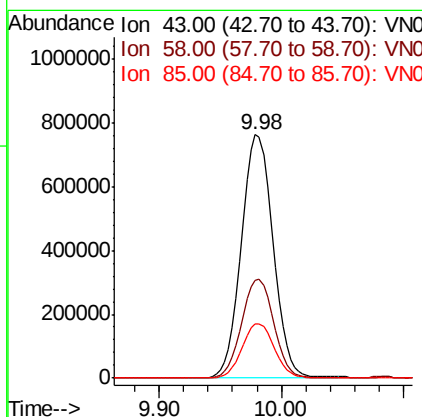
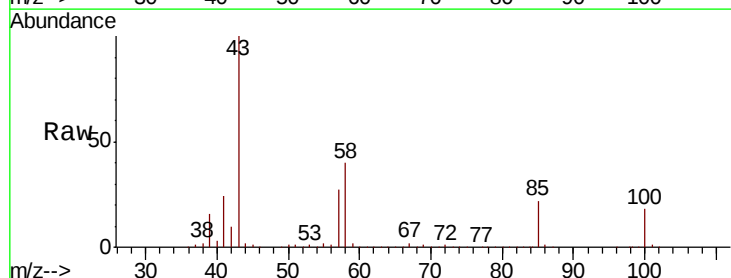
Manual Integrations
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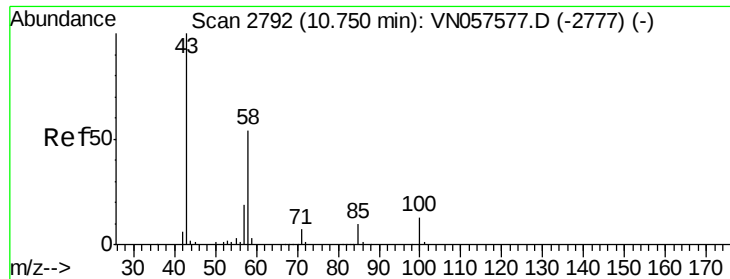
MMDadoda
8/31/2019 10:00:27 AM



#58
4-Methyl-2-Pentanone
Concen: 138.214 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1368559		
58	41.3	32.1	48.1	
85	22.7	16.6	24.8	





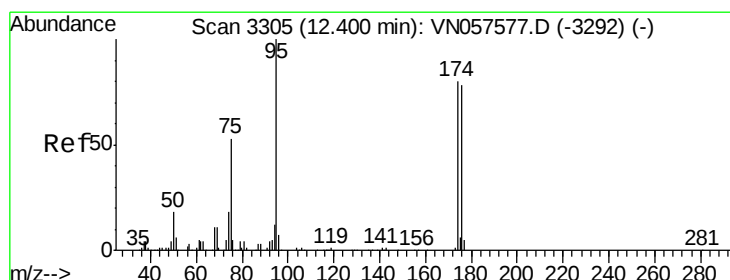
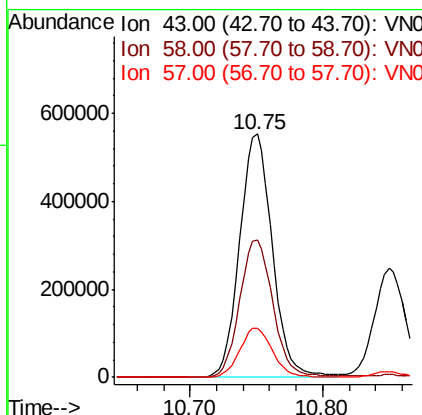
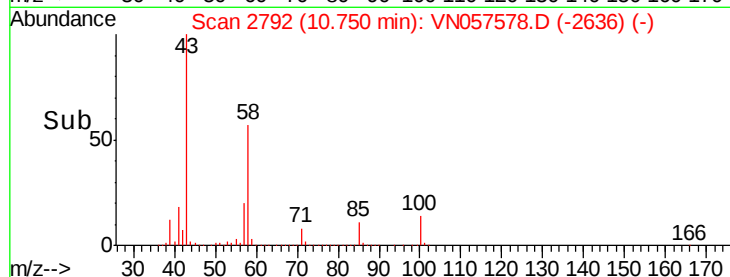
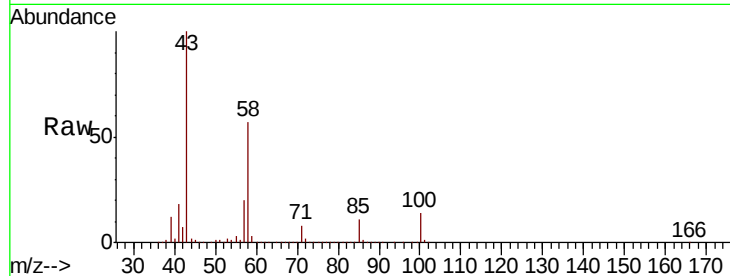
#59
2-Hexanone
Concen: 138.067 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:	43	Resp:	947123
Ion	Ratio	Lower	Upper
43	100		
58	57.6	42.9	64.3
57	20.6	15.4	23.2

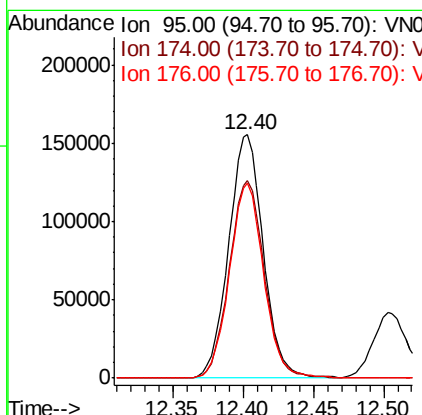
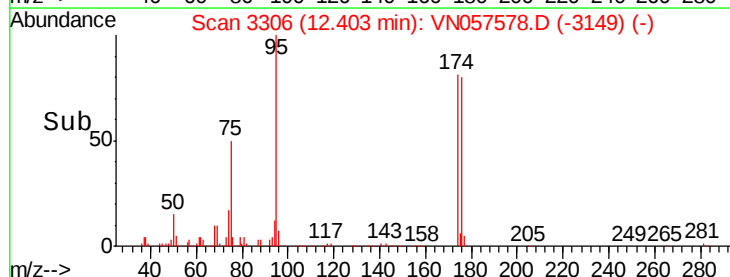
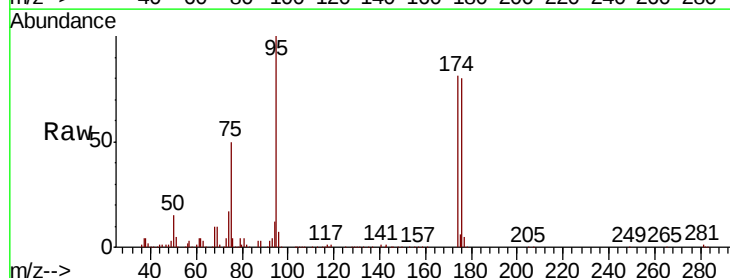
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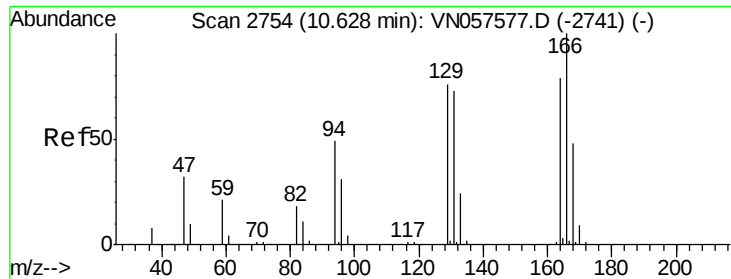
MMDadoda
8/31/2019 10:00:27 AM



#60
4-Bromofluorobenzene
Concen: 29.590 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion:	95	Resp:	266833
Ion	Ratio	Lower	Upper
95	100		
174	82.0	66.2	99.2
176	79.3	65.0	97.6





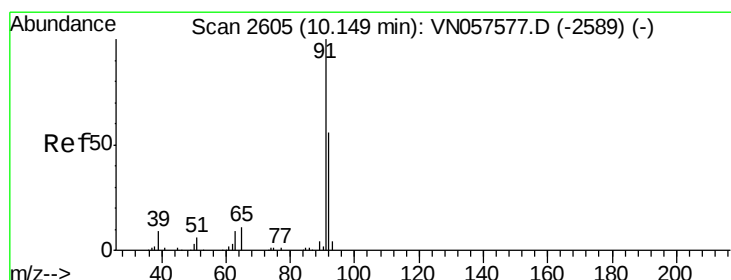
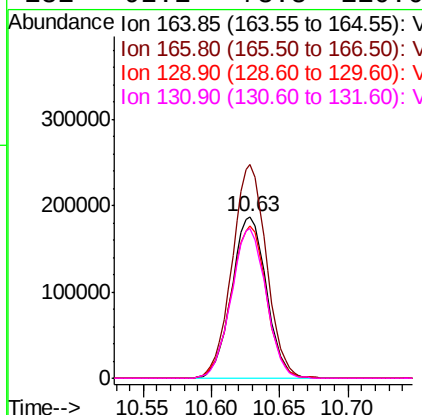
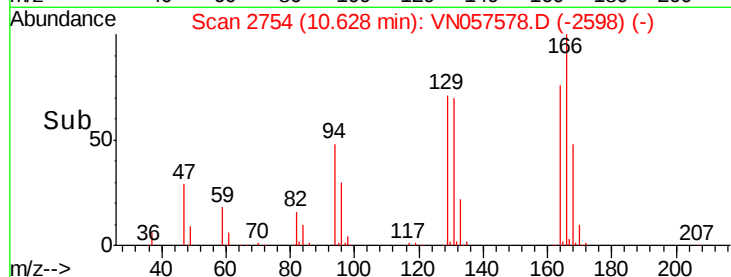
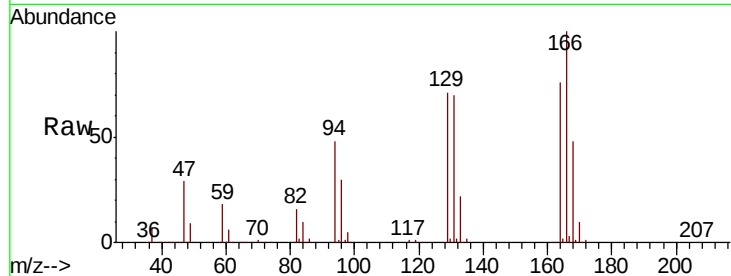
#61
Tetrachloroethene
Concen: 50.995 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	100.7	151.1
129	94.1	76.3	114.5
131	92.1	73.8	110.6

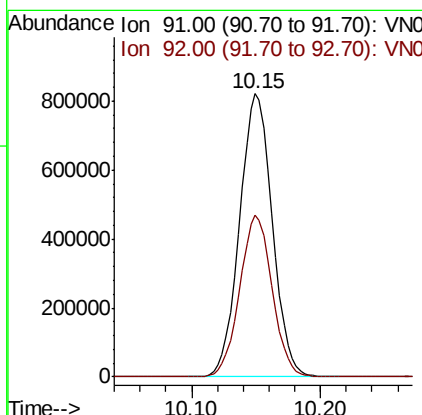
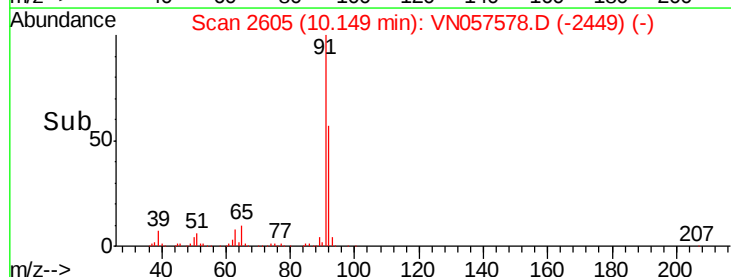
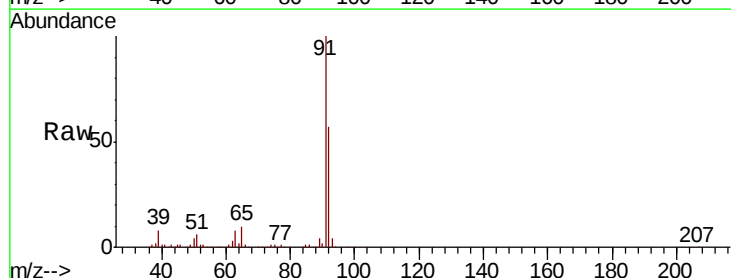
Manual Integrations
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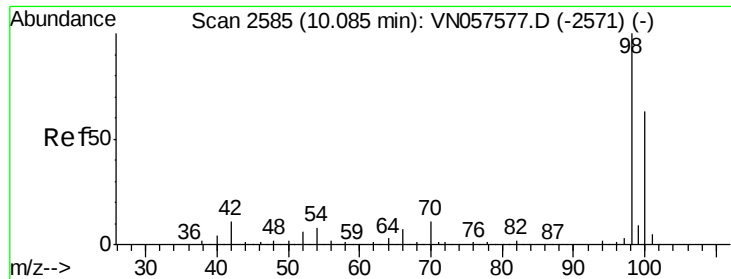
MMDadoda
8/31/2019 10:00:27 AM



#62
Toluene
Concen: 43.897 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	45.4	68.2





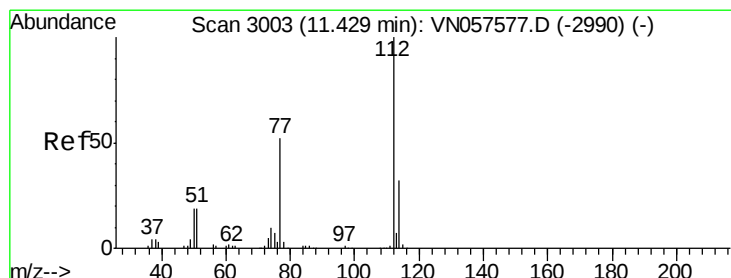
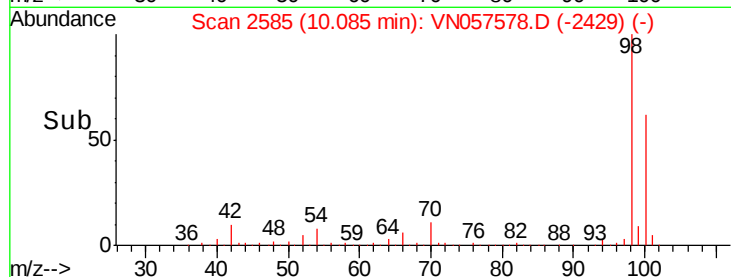
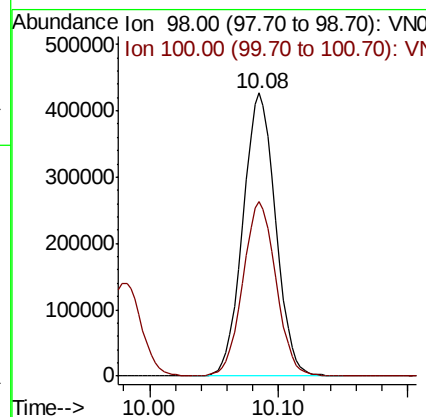
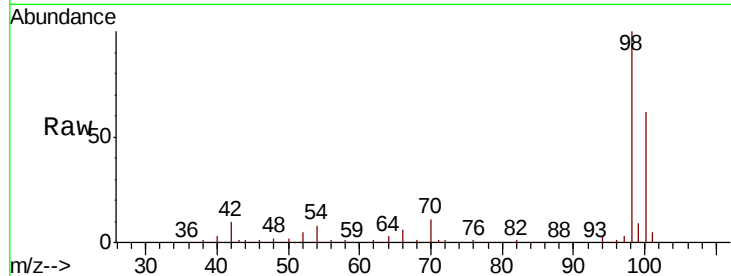
#63
Toluene-d8
Concen: 27.391 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 98 Resp: 751974
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.2

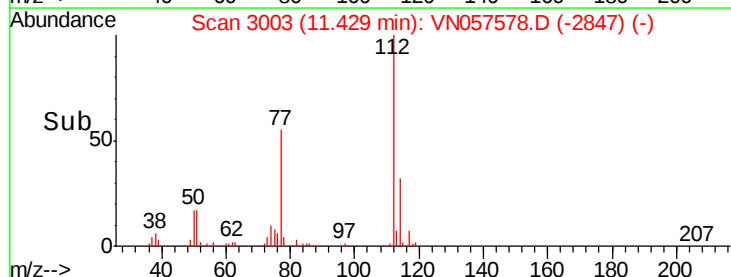
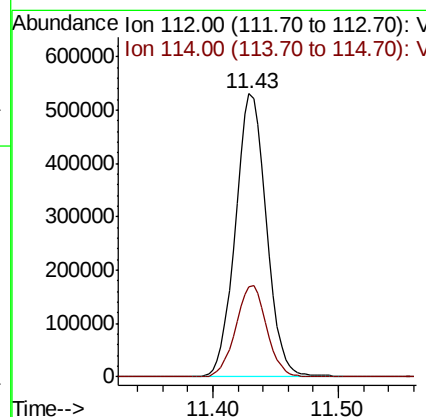
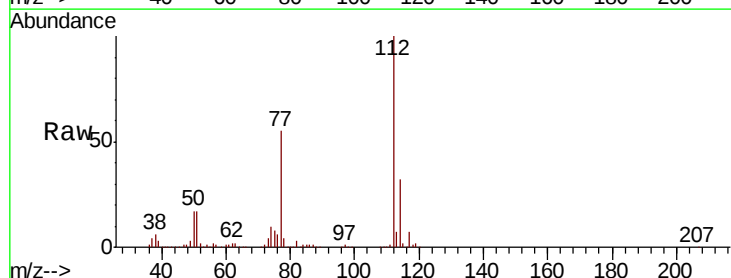
Manual Integrations
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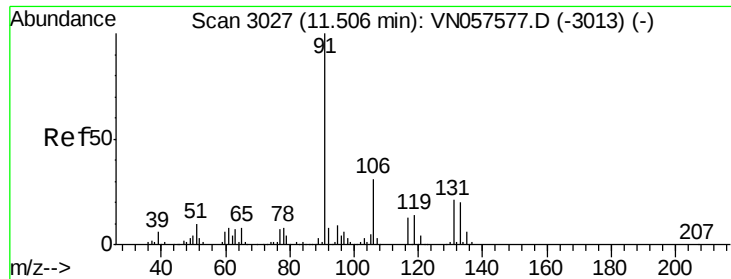
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#64
Chlorobenzene
Concen: 49.317 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 112 Resp: 909305
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 50.990 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

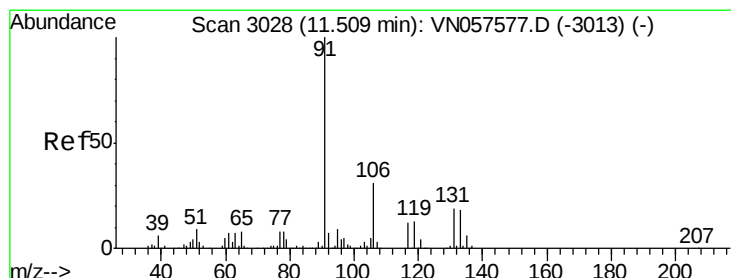
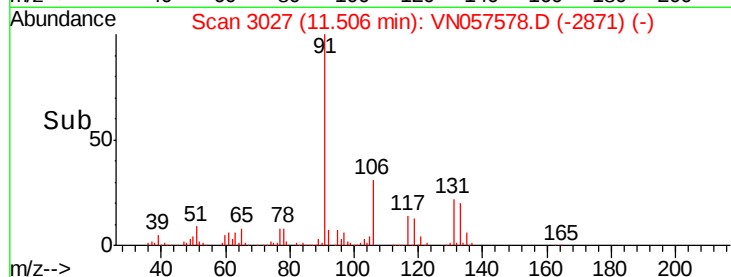
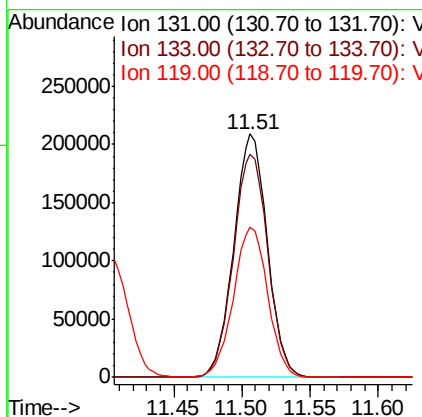
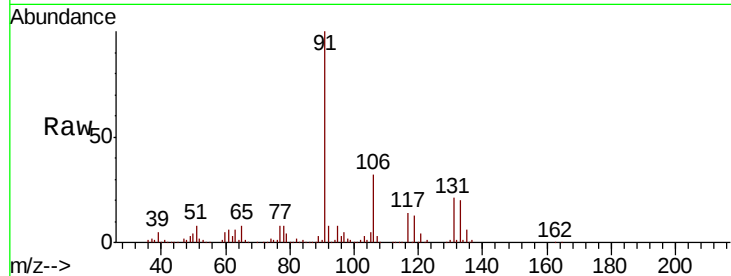
ClientSampled :

VSTDIC050

Tgt Ion:	131	Resp:	357206
Ion Ratio	Lower	Upper	
131	100		
133	94.3	0.0	186.0
119	62.7	0.0	134.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 46.547 ug/l

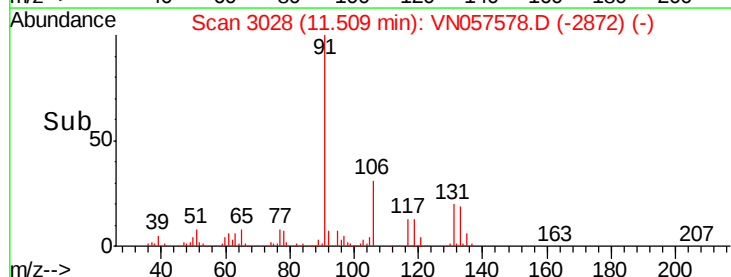
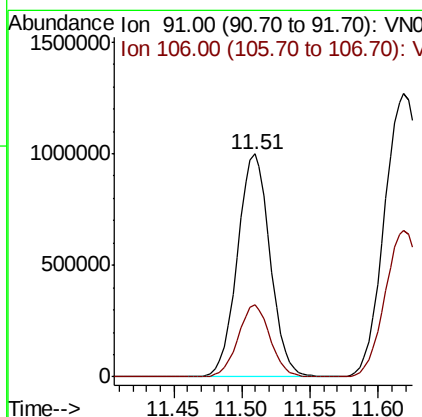
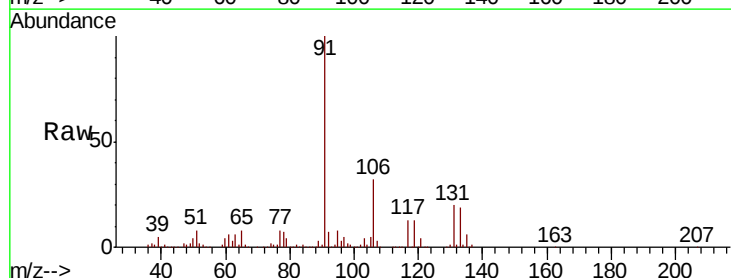
RT: 11.51 min Scan# 3028

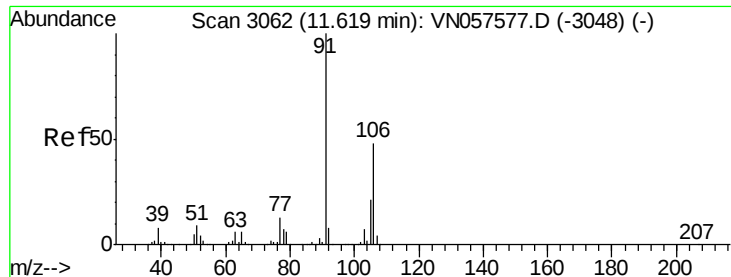
Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Tgt Ion:	91	Resp:	1657424
Ion Ratio	Lower	Upper	
91	100		
106	32.1	24.7	37.1





#67

m/p-Xylenes

Concen: 101.128 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:106 Resp: 1269906

Ion Ratio Lower Upper

106 100

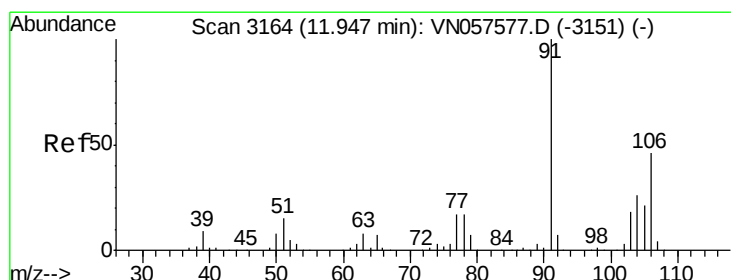
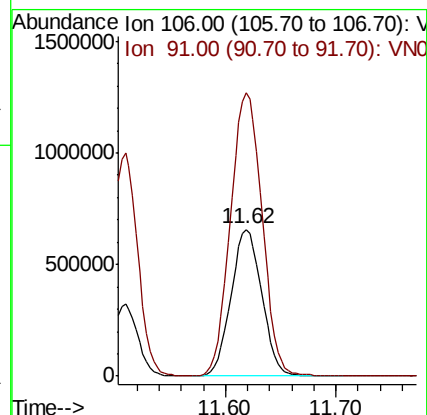
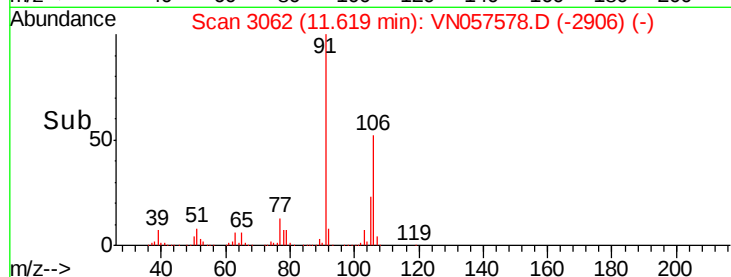
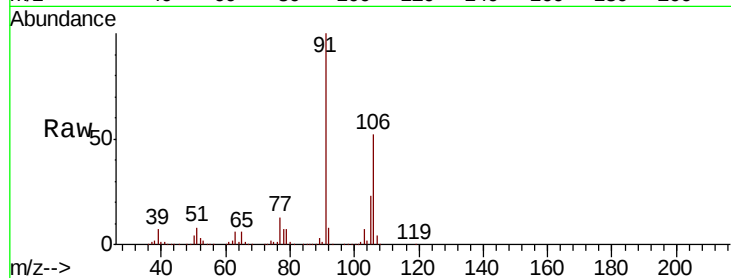
91 199.2 164.1 246.1

Manual Integrations

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#68

o-Xylene

Concen: 49.711 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057578.D

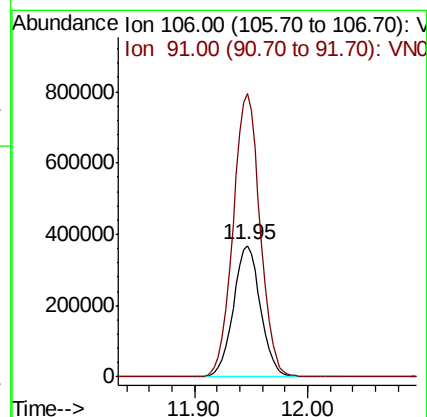
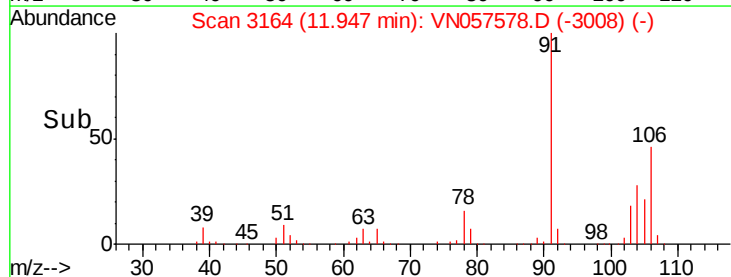
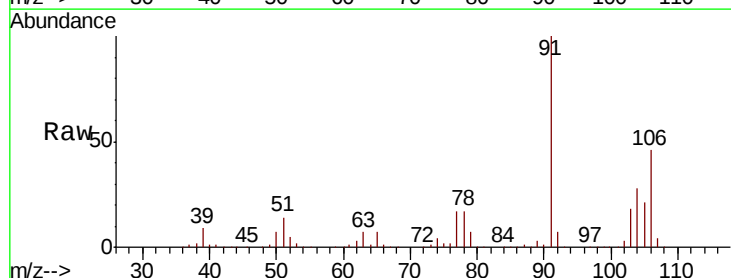
Acq: 30 Aug 2019 9:59

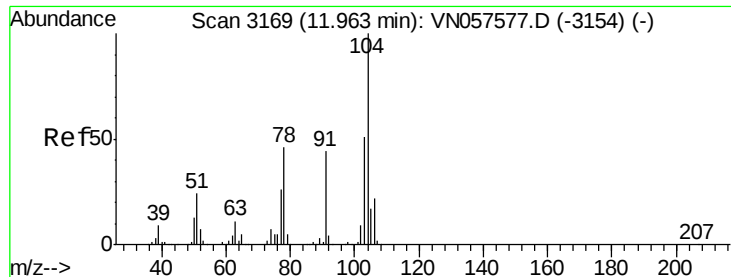
Tgt Ion:106 Resp: 614199

Ion Ratio Lower Upper

106 100

91 214.7 107.8 323.6





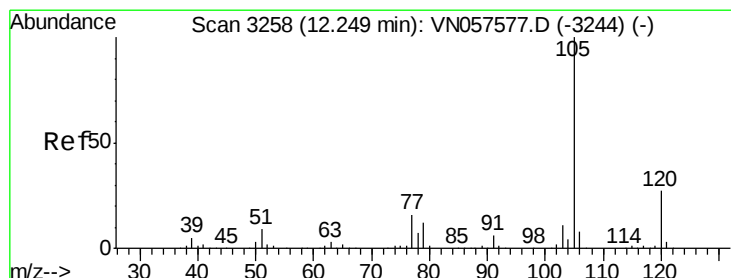
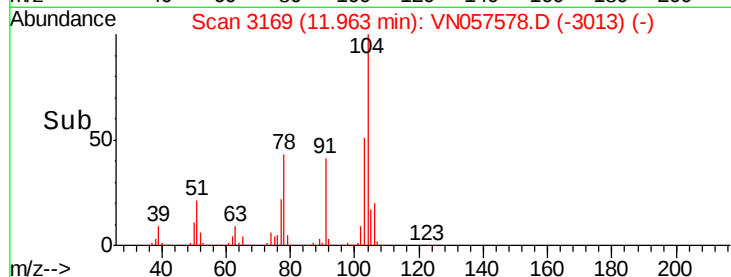
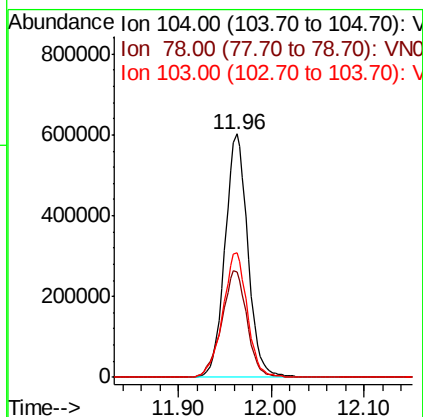
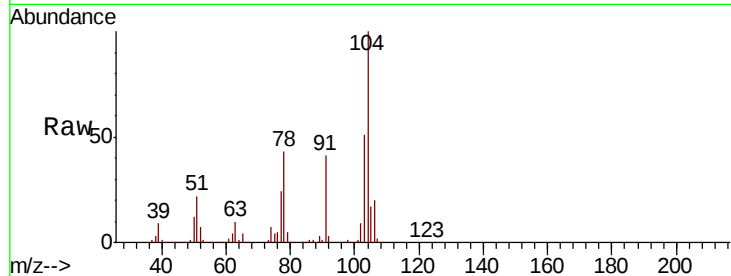
#69
Styrene
Concen: 51.532 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	41.4	62.0
103	54.9	44.8	67.2

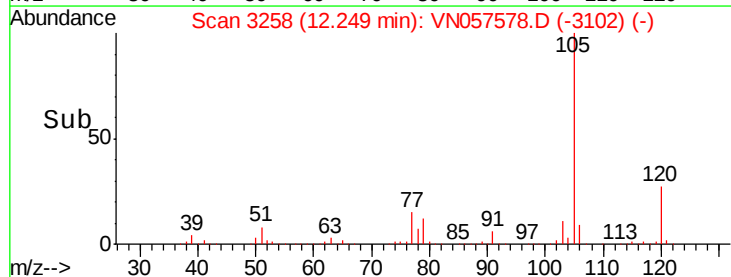
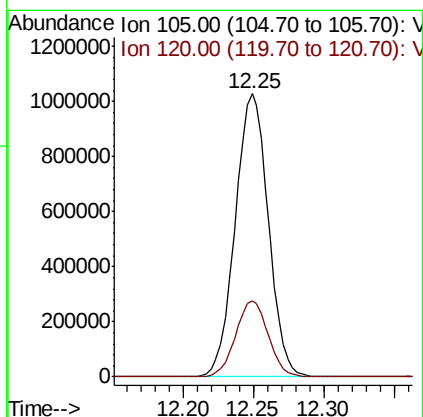
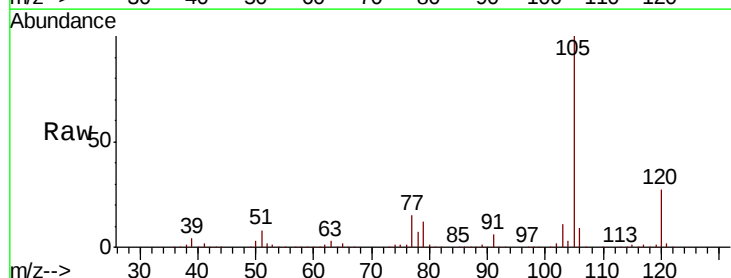
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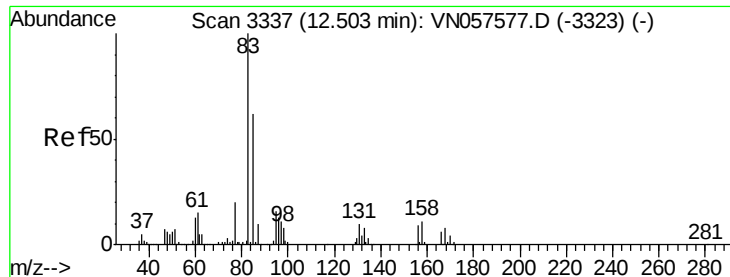
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#70
Isopropylbenzene
Concen: 50.519 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.7	34.7





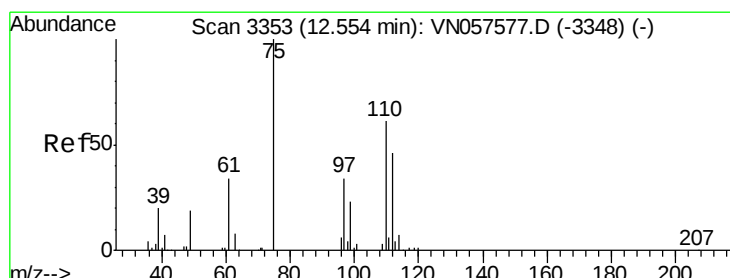
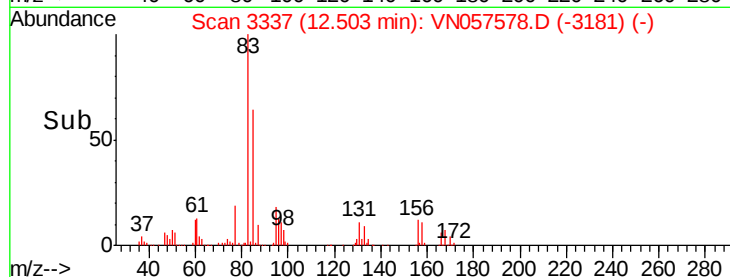
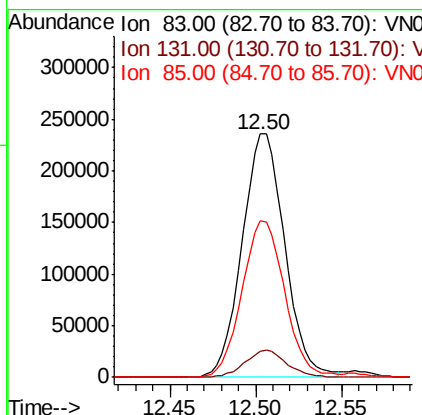
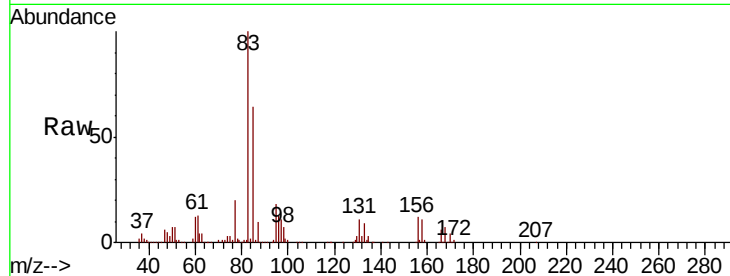
#71
 1,1,2,2-Tetrachloroethane
 Concen: 43.424 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.3	31.6	94.8

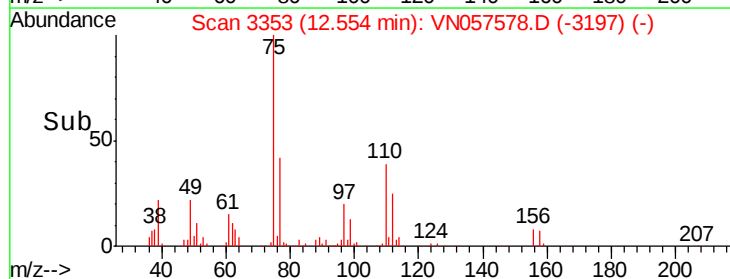
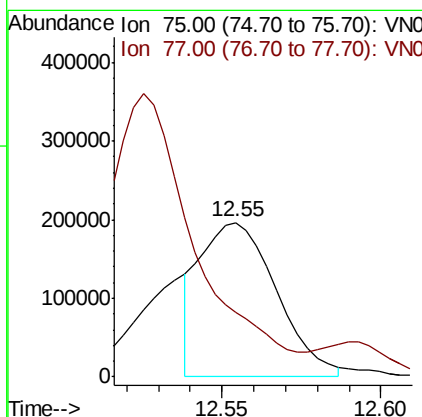
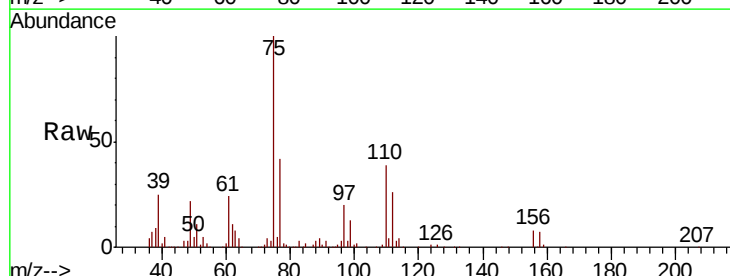
Manual Integrations
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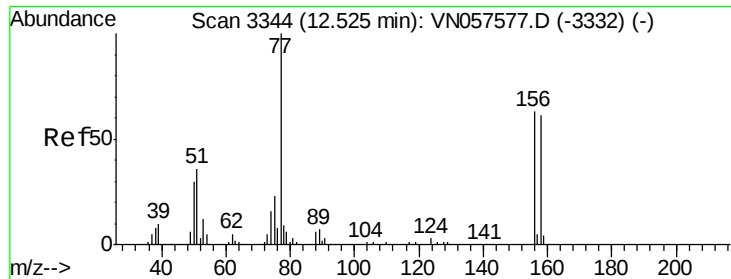
MMDadoda
 8/31/2019 10:00:27 AM



#72
 1,2,3-Trichloropropane
 Concen: 38.894 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	218.3	0.0	399.2





#73

Bromobenzene

Concen: 56.892 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

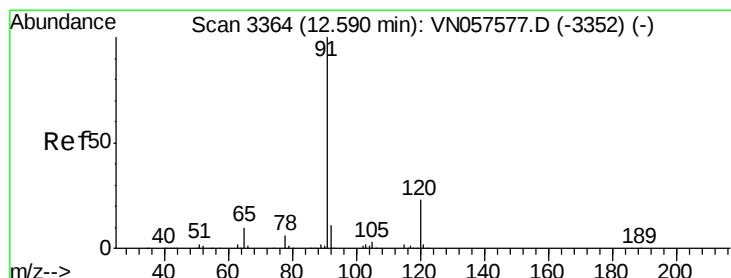
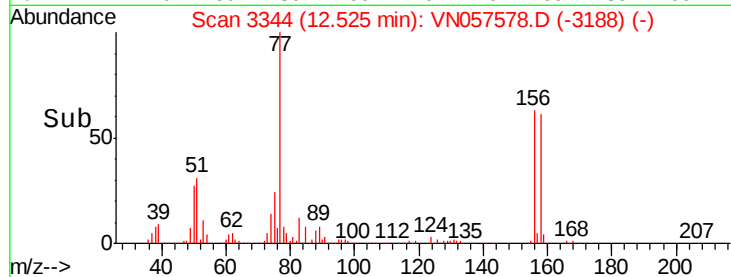
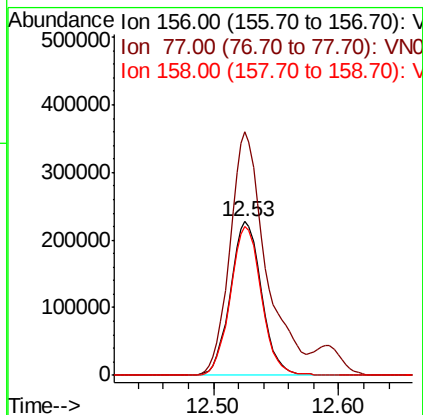
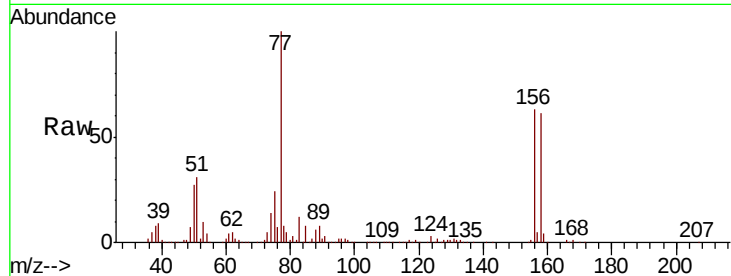
ClientSampled :

VSTDIC050

Tgt Ion:	156	Resp:	394327
Ion Ratio	Lower	Upper	
156	100		
77	181.3	0.0	374.6
158	96.3	0.0	197.4

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#74

n-propylbenzene

Concen: 48.369 ug/l

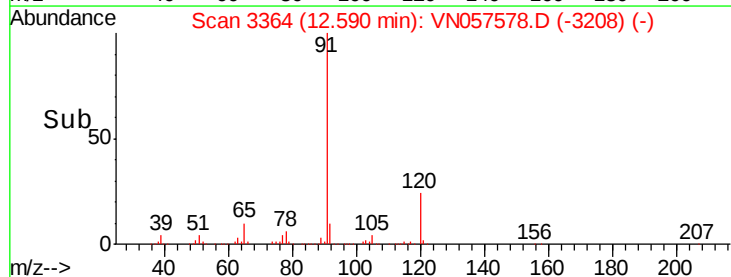
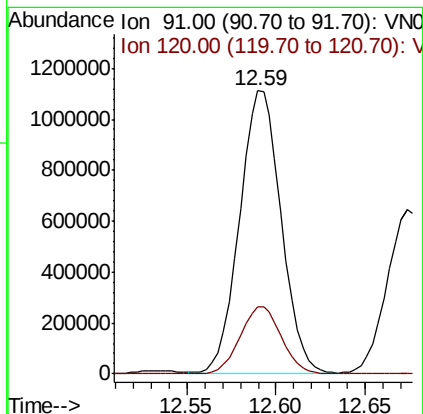
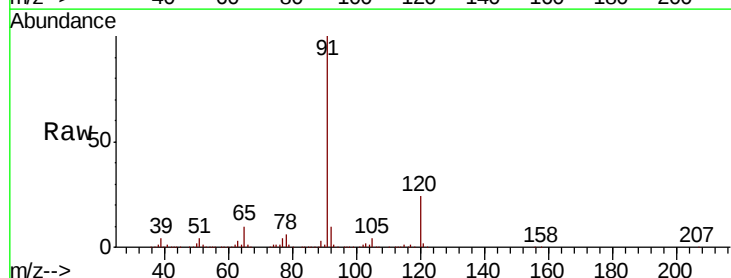
RT: 12.59 min Scan# 3364

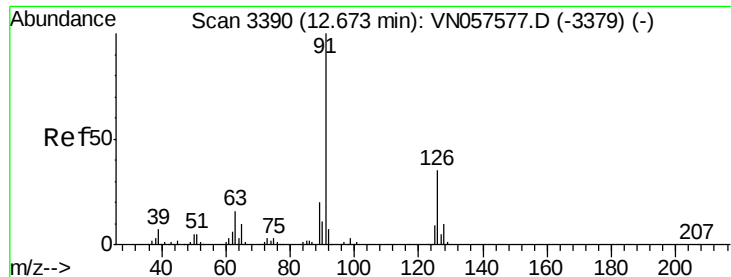
Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Tgt Ion:	91	Resp:	1817636
Ion Ratio	Lower	Upper	
91	100		
120	23.6	0.0	46.6





#75

2-Chlorotoluene

Concen: 49.377 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 91 Resp: 1092210

Ion Ratio Lower Upper

91 100

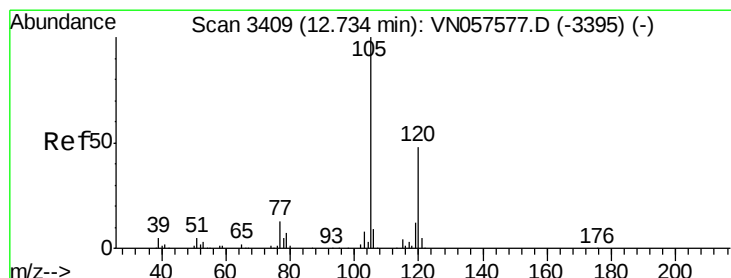
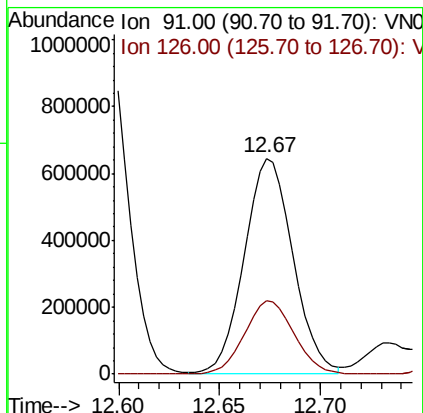
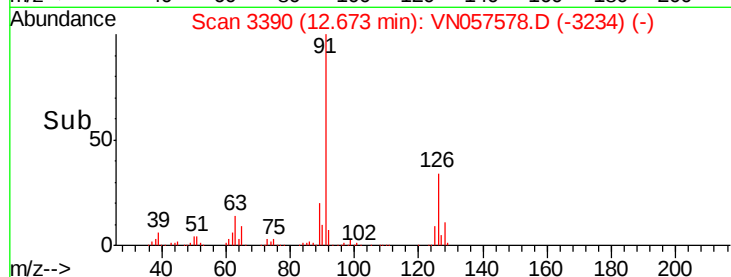
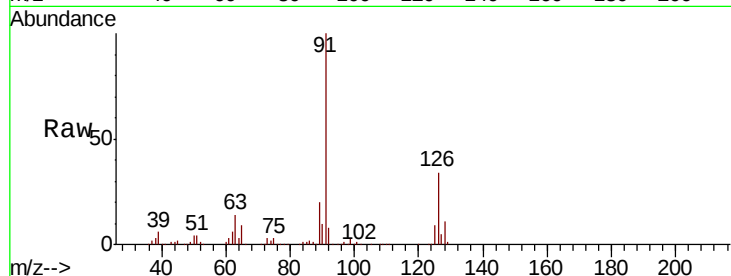
126 34.5 0.0 70.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 52.353 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057578.D

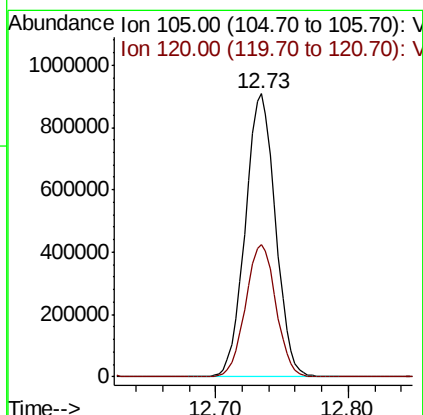
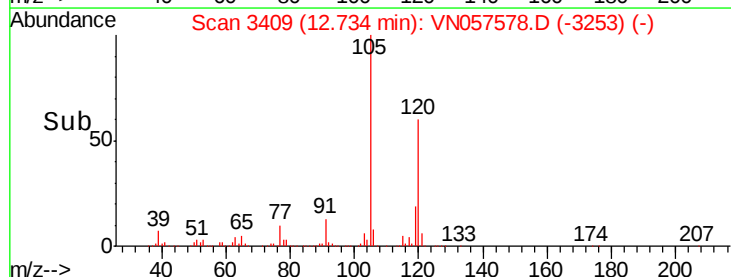
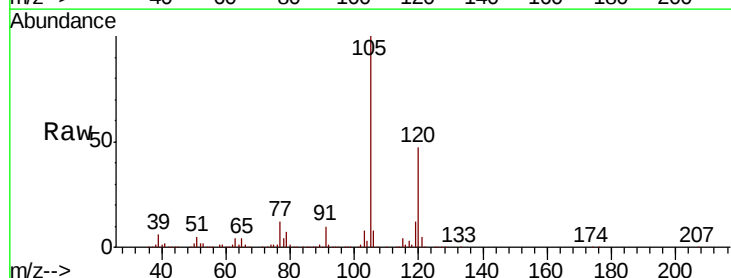
Acq: 30 Aug 2019 9:59

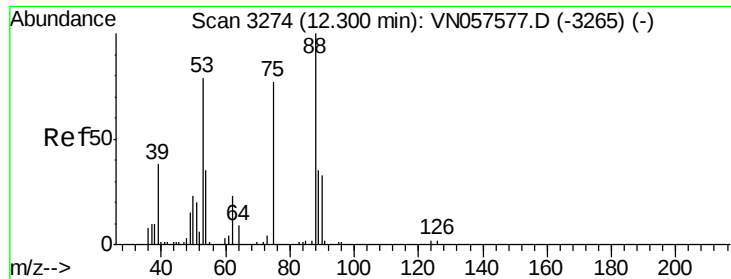
Tgt Ion: 105 Resp: 1435675

Ion Ratio Lower Upper

105 100

120 47.1 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 38.239 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

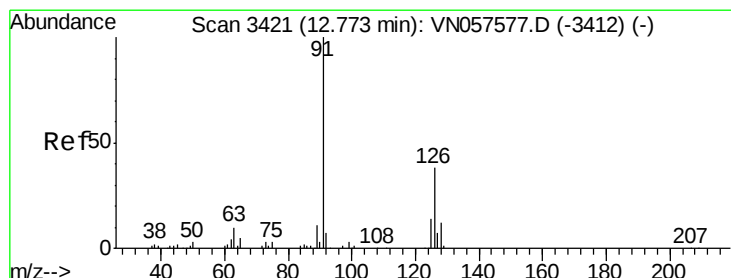
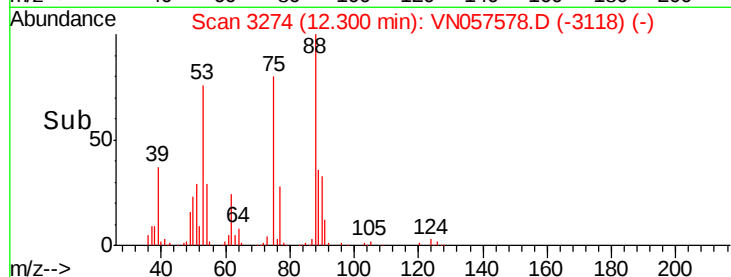
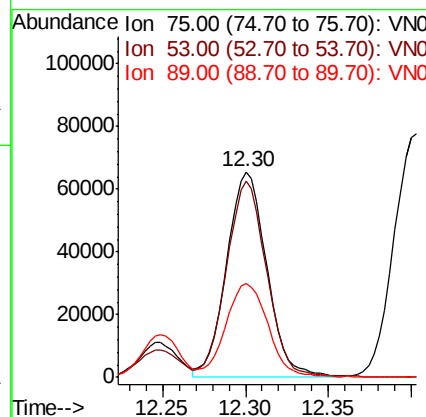
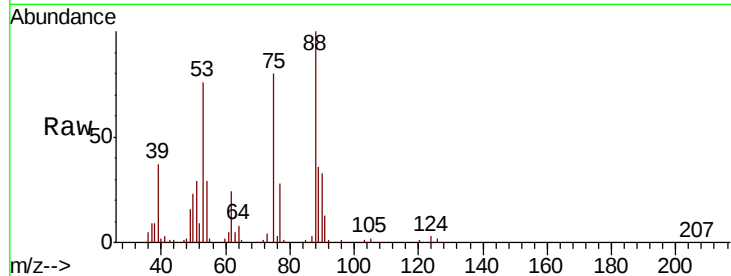
ClientSampled :

VSTDIC050

Tgt Ion:	75	Resp:	110755
Ion Ratio	Lower	Upper	
75	100		
53	95.1	52.8	158.4
89	44.9	23.2	69.5

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#78

4-Chlorotoluene

Concen: 50.059 ug/l

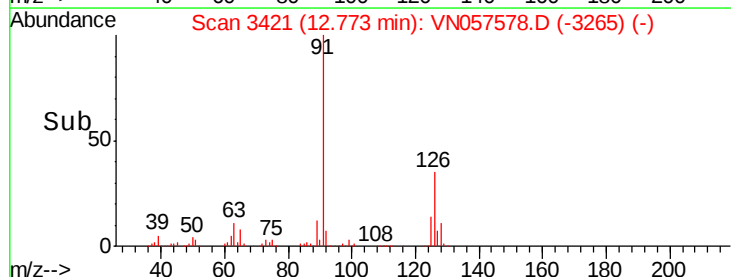
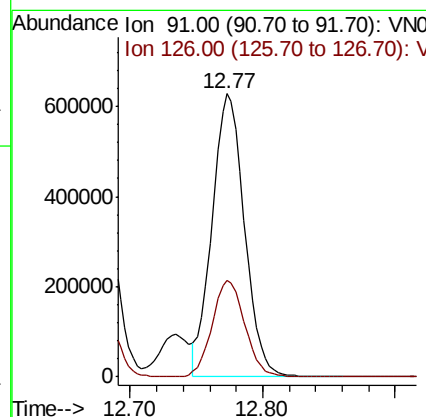
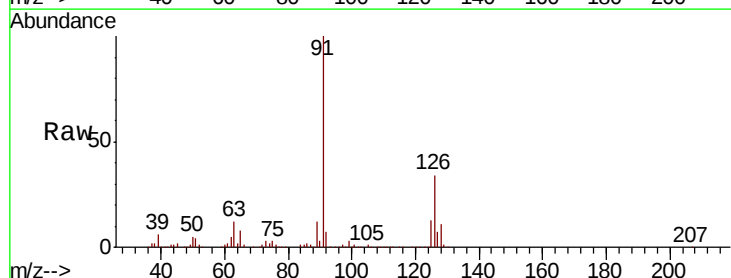
RT: 12.77 min Scan# 3421

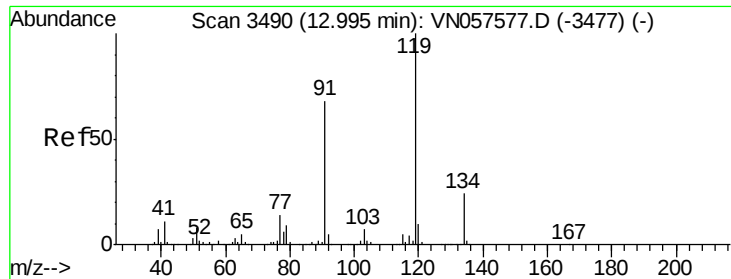
Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Tgt Ion:	91	Resp:	1061972
Ion Ratio	Lower	Upper	
91	100		
126	34.4	0.0	68.6





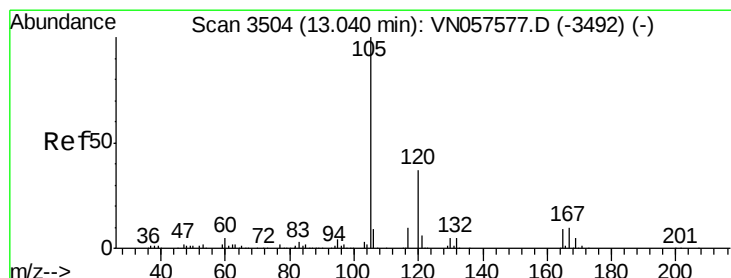
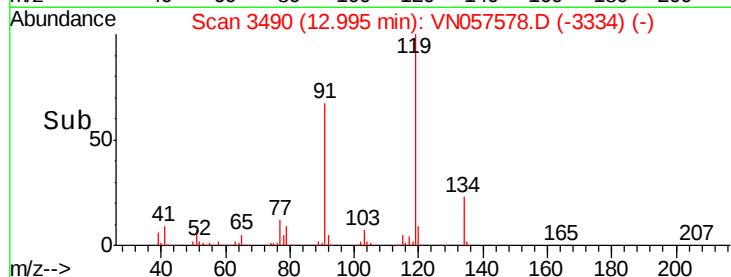
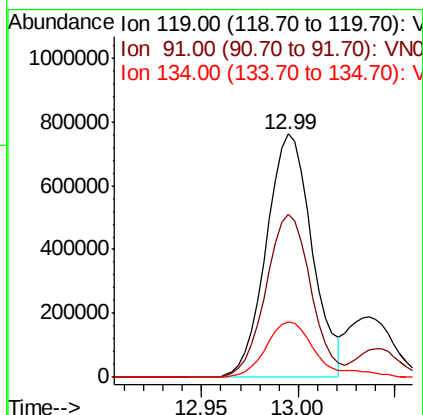
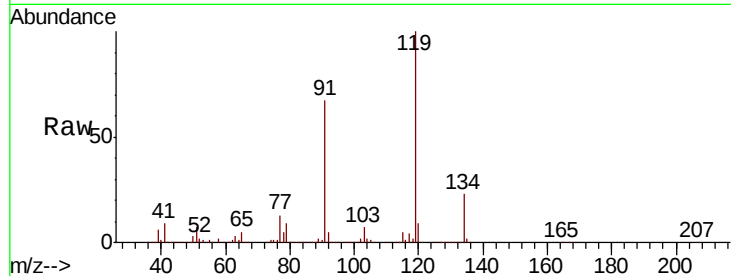
#79
tert-butylbenzene
Concen: 53.136 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 1252368
Ion Ratio Lower Upper
119 100
91 66.2 0.0 137.6
134 23.6 0.0 47.8

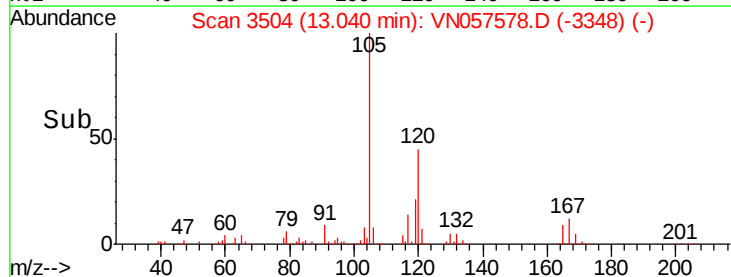
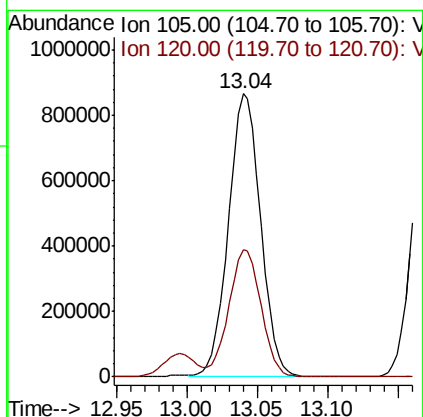
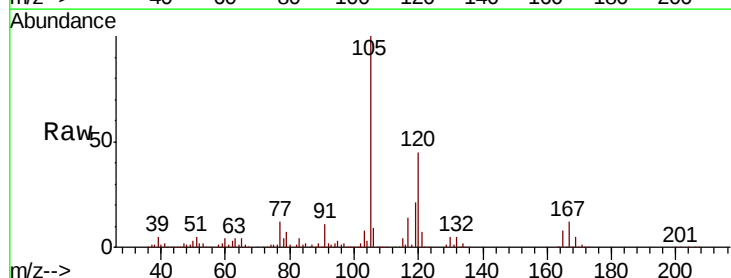
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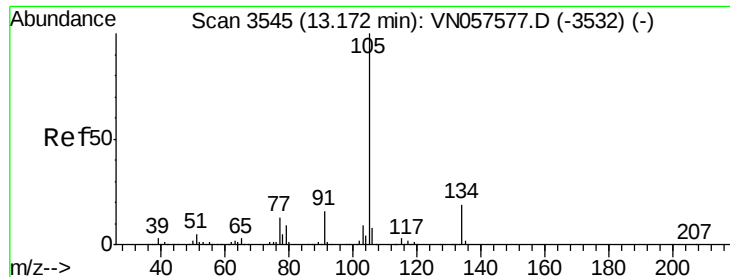
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 53.561 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion:105 Resp: 1380692
Ion Ratio Lower Upper
105 100
120 45.1 0.0 87.2





#81

sec-Butylbenzene

Concen: 52.280 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:105 Resp: 1615783

Ion Ratio Lower Upper

105 100

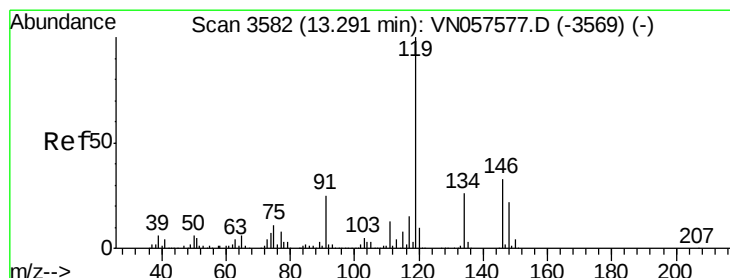
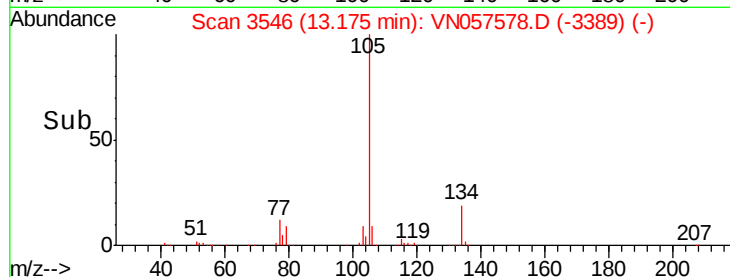
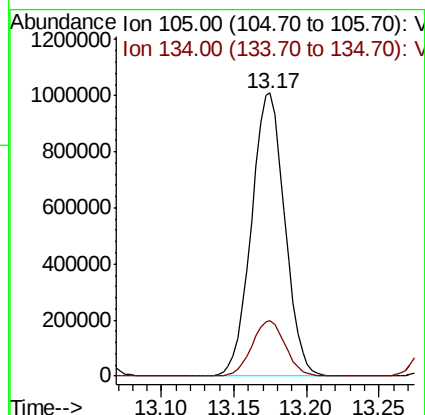
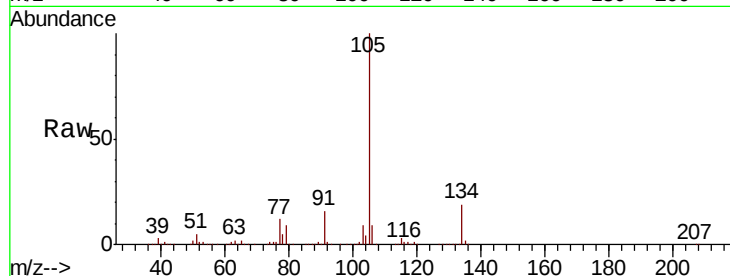
134 19.6 0.0 39.2

Manual Integrations

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8/31/2019 10:00:27 AM



#82

p-Isopropyltoluene

Concen: 54.806 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

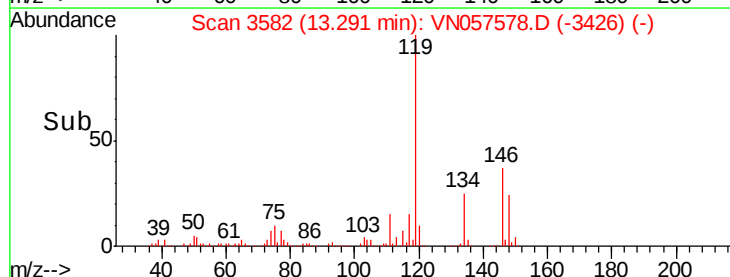
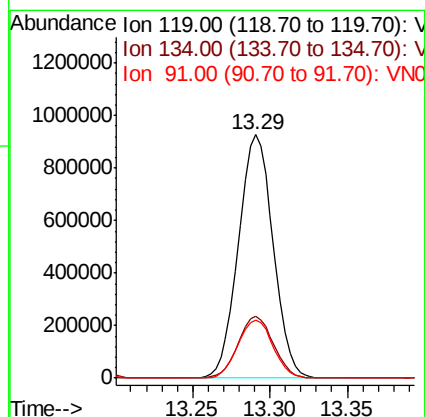
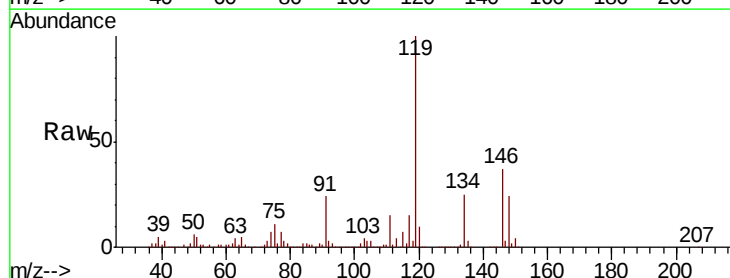
Tgt Ion:119 Resp: 1444206

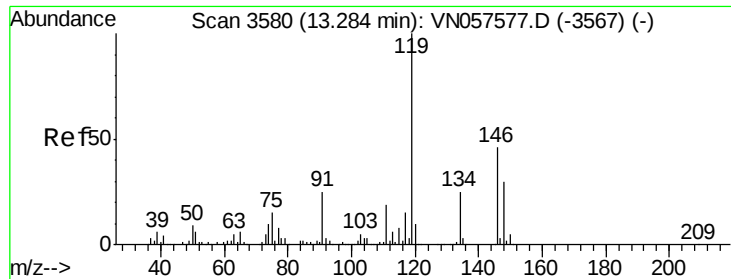
Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.6

91 24.3 0.0 50.8





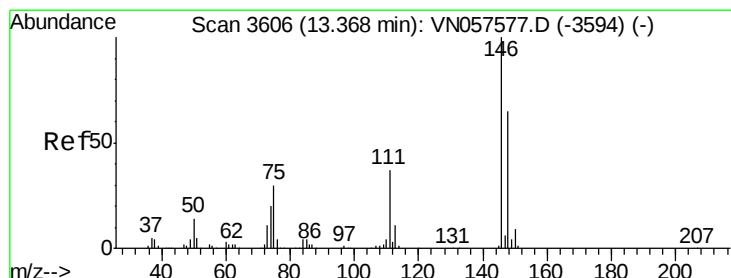
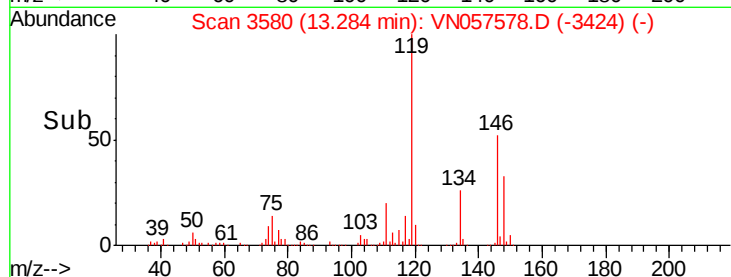
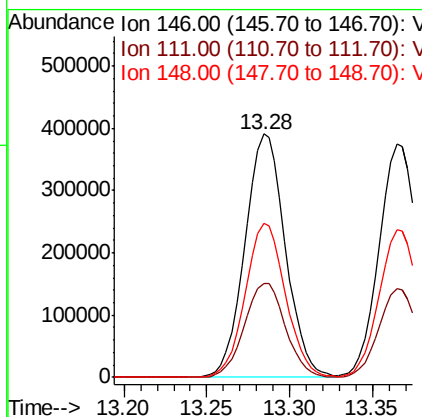
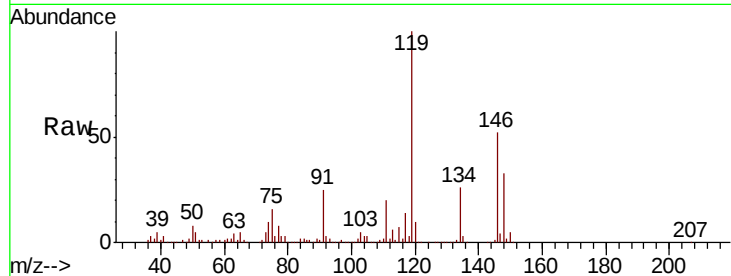
#83
 1,3-Dichlorobenzene
 Concen: 60.899 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	60.0
148	62.9	32.3	96.9

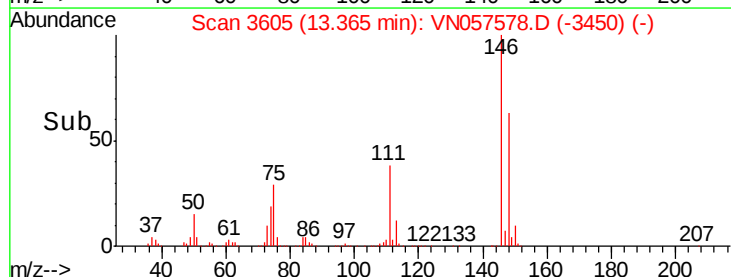
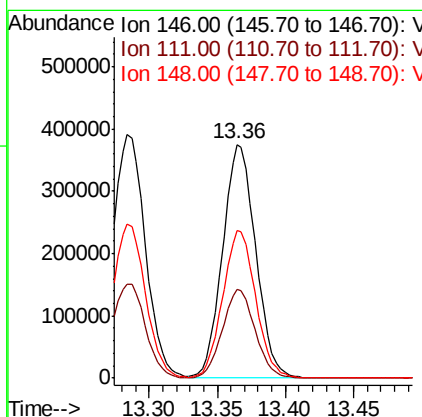
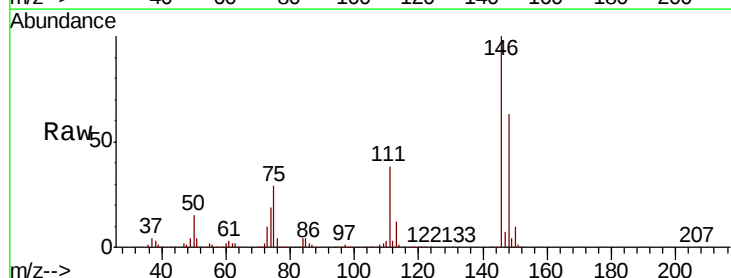
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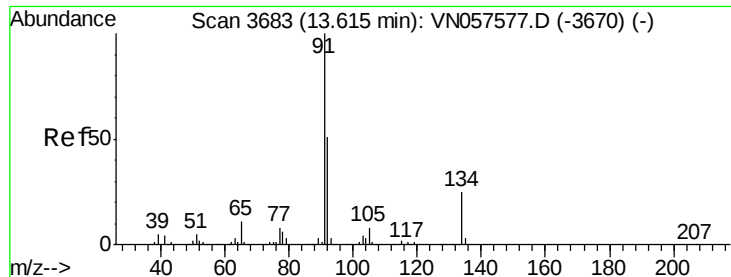
MMDadoda
 8/31/2019 10:00:27 AM



#84
 1,4-Dichlorobenzene
 Concen: 59.775 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.9
148	63.0	32.2	96.6





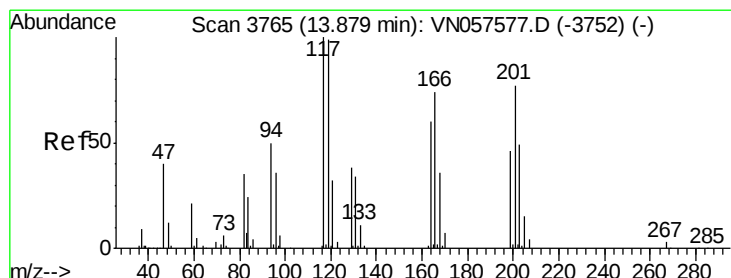
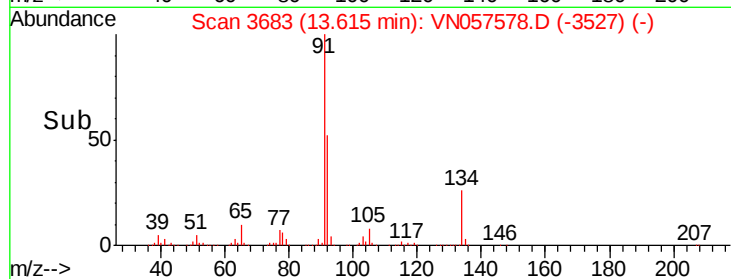
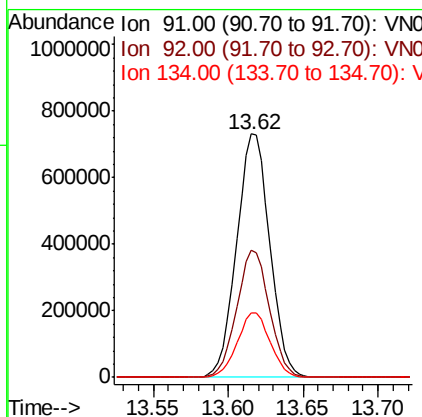
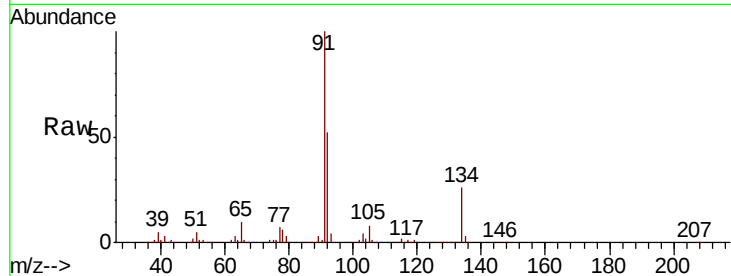
#85
n-Butylbenzene
Concen: 50.166 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 1126862
Ion Ratio Lower Upper
91 100
92 51.4 0.0 103.0
134 26.2 0.0 51.0

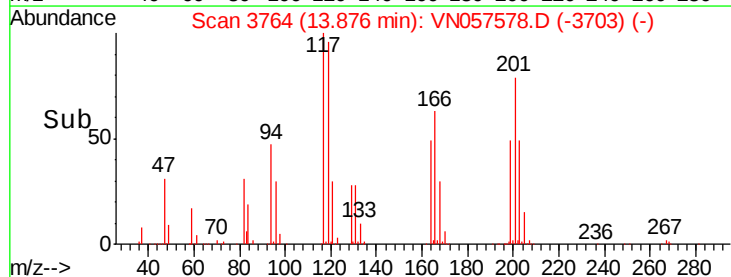
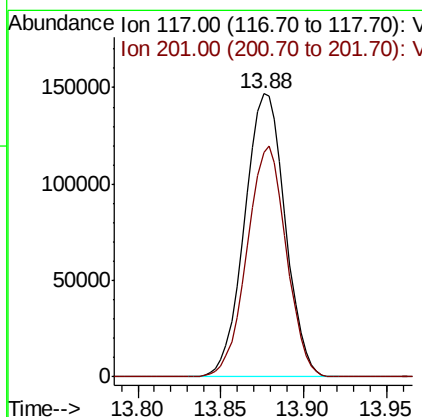
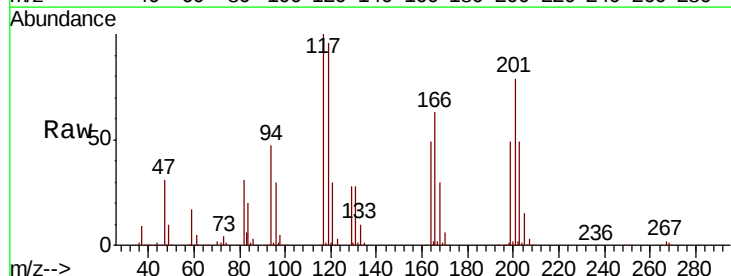
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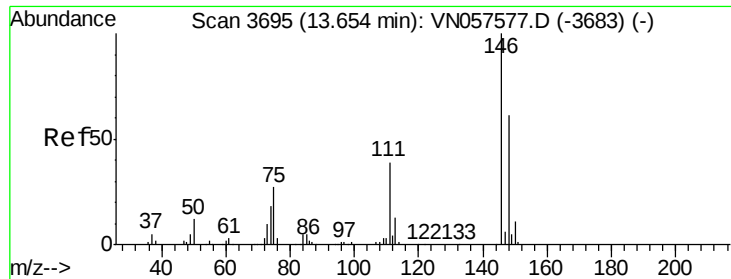
MMDadoda
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#86
Hexachloroethane
Concen: 48.982 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 117 Resp: 250014
Ion Ratio Lower Upper
117 100
201 78.7 38.0 113.9





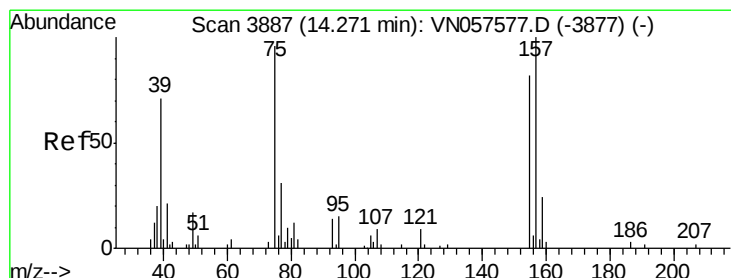
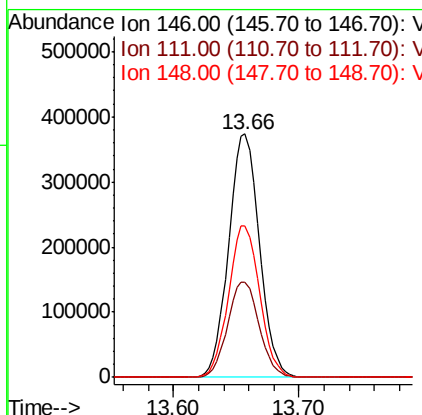
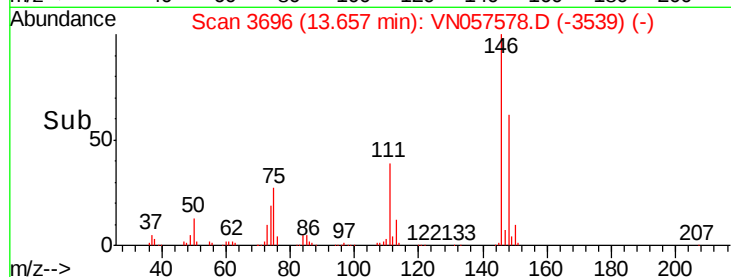
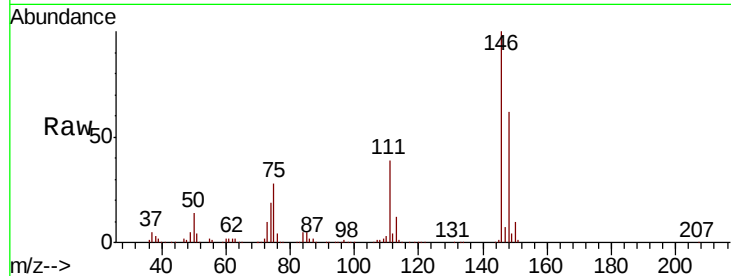
#87
 1,2-Dichlorobenzene
 Concen: 59.705 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	636886		
111	40.1	19.9	59.6	
148	63.0	31.2	93.6	

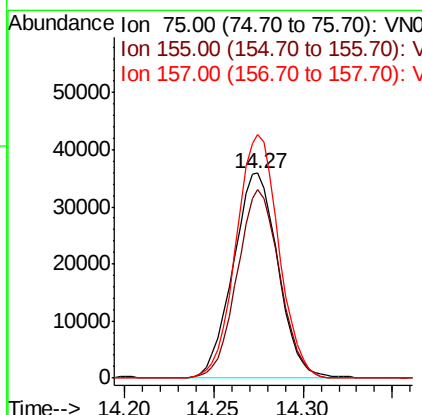
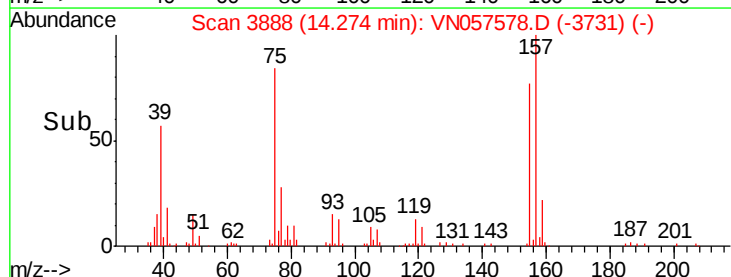
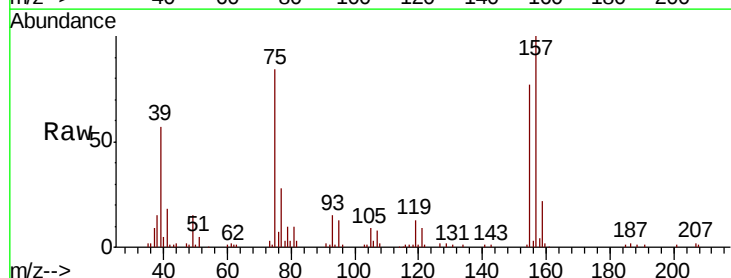
Manual Integrations
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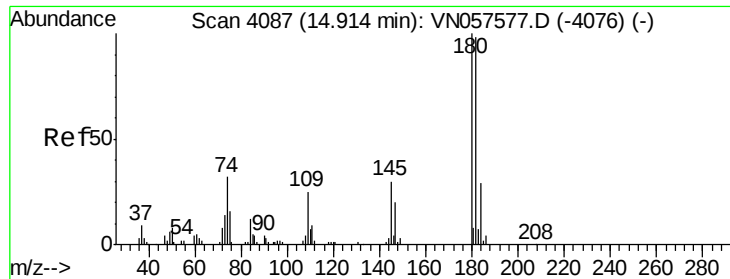
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 8/31/2019 10:00:27 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 40.516 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62747		
155	87.1	66.5	99.7	
157	112.9	88.4	132.6	





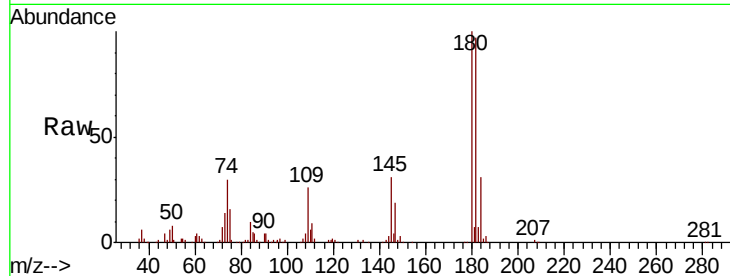
#89
1,2,4-Trichlorobenzene
Concen: 55.536 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	221363		
182	96.9	76.6	115.0	
145	31.2	24.4	36.6	

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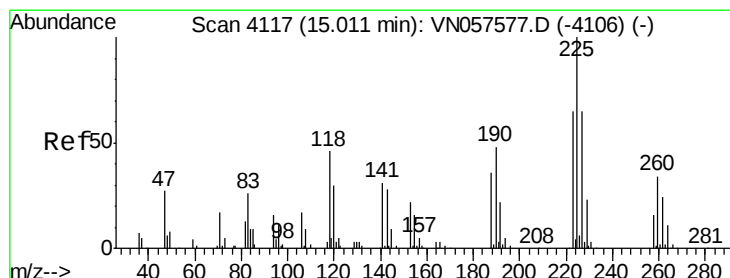
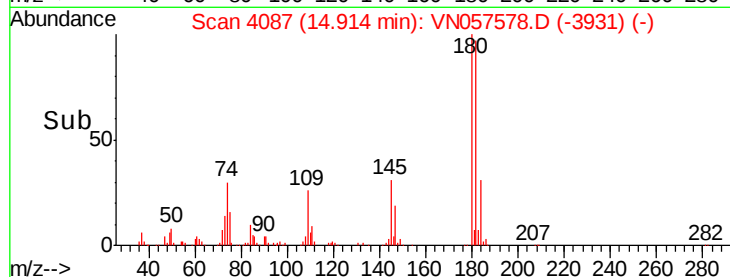
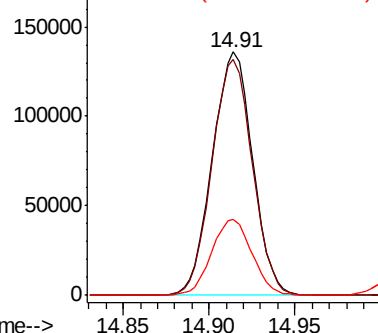


Abundance

Ion 180.00 (179.70 to 180.70): V

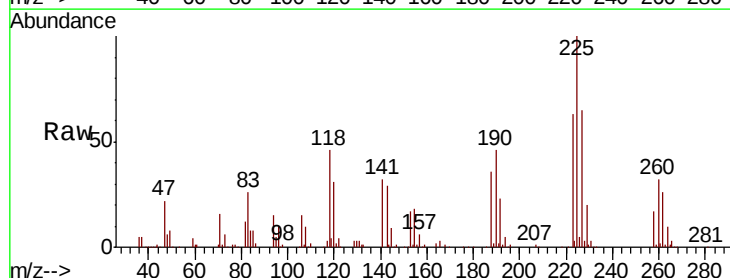
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 65.212 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	201411		
223	62.3	0.0	130.6	
227	63.5	0.0	131.0	

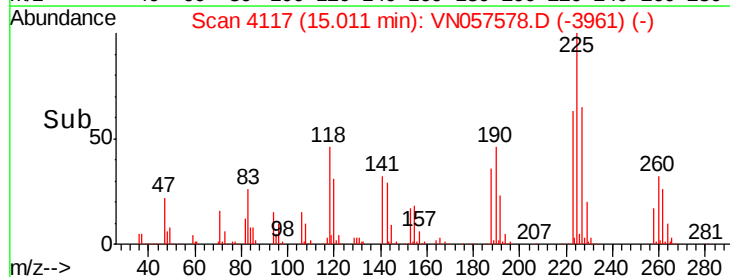
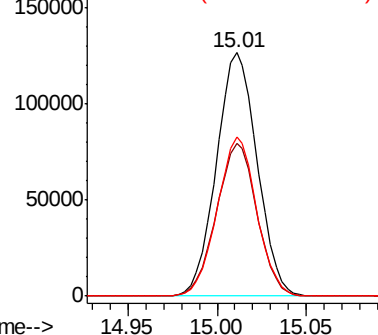


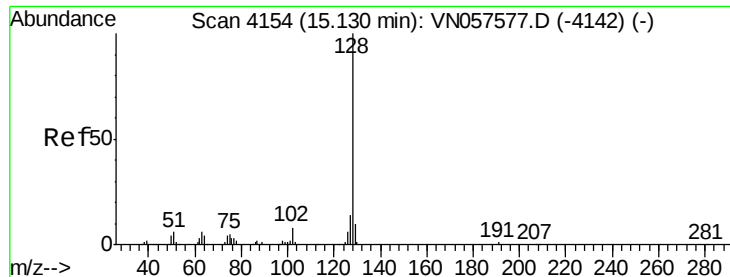
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





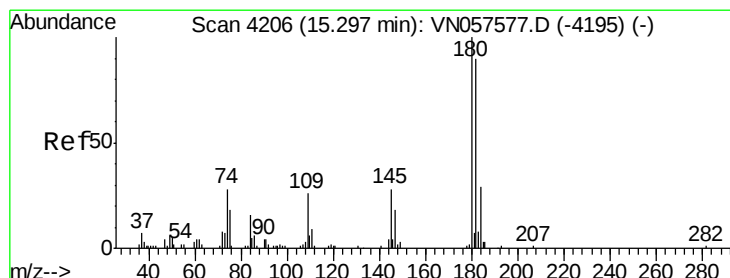
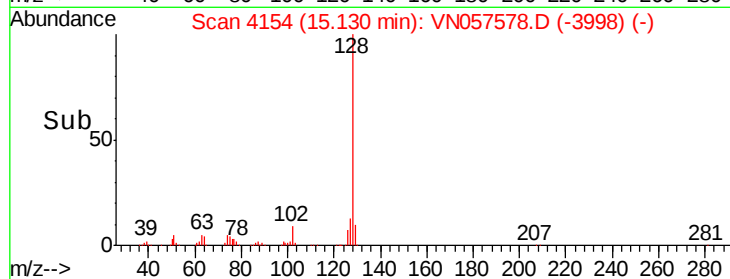
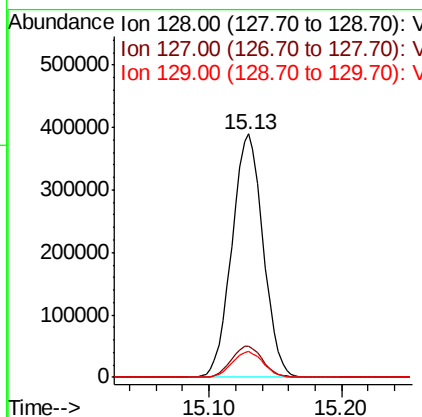
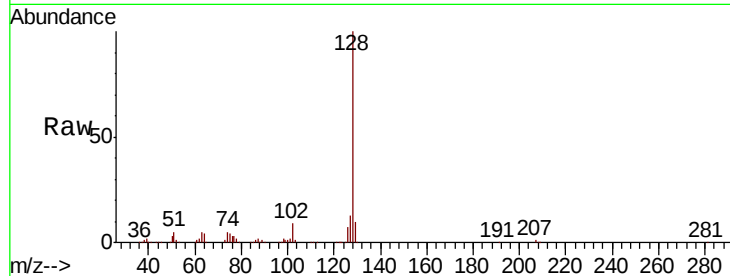
#91
Naphthalene
Concen: 50.785 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.6	8.1	12.1

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#92
1,2,3-Trichlorobenzene
Concen: 56.159 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	181.0
145	31.5	0.0	62.2

