

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055602.D
 Acq On : 17 May 2019 11:03
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:10:07 AM

Quant Time: May 17 23:38:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	327841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	495922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	350046	103.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.16%	
35) Dibromofluoromethane	7.59	113	313403	96.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.50%	
50) Toluene-d8	10.09	98	1190266	102.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.00%	
62) 4-Bromofluorobenzene	12.40	95	426776	110.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230340	83.285	ug/l	98
3) Chloromethane	2.06	50	316315	91.525	ug/l	100
4) Vinyl Chloride	2.18	62	344961	92.211	ug/l	98
5) Bromomethane	2.54	94	224136	82.727	ug/l	99
6) Chloroethane	2.70	64	199922	83.599	ug/l	98
7) Trichlorofluoromethane	3.02	101	443999	83.950	ug/l	99
8) Diethyl Ether	3.41	74	186789	97.655	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	268569	83.600	ug/l	99
10) Methyl Iodide	3.96	142	423542	90.605	ug/l	99
11) Tert butyl alcohol	4.77	59	331517	1086.289	ug/l	99
12) 1,1-Dichloroethene	3.74	96	282183	93.215	ug/l	98
13) Acrolein	3.60	56	170926	996.452	ug/l	99
14) Allyl chloride	4.33	41	439724	94.694	ug/l	94
15) Acrylonitrile	4.98	53	768044	683.277	ug/l	100
16) Acetone	3.81	43	704709	692.630	ug/l	100
17) Carbon Disulfide	4.06	76	791981	85.881	ug/l	100
18) Methyl Acetate	4.32	43	311939	132.428	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	962499	120.240	ug/l	98
20) Methylene Chloride	4.55	84	316222	92.217	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	306431	96.481	ug/l	99
22) Diisopropyl ether	5.95	45	941671	109.012	ug/l	97
23) Vinyl Acetate	5.89	43	4100119	636.856	ug/l	100
24) 1,1-Dichloroethane	5.85	63	549664	95.094	ug/l	100
25) 2-Butanone	6.83	43	1047827	785.133	ug/l	100
26) 2,2-Dichloropropane	6.82	77	469265	104.872	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	357172	99.985	ug/l	99
28) Bromochloromethane	7.20	49	240253	95.188	ug/l	99
29) Tetrahydrofuran	7.21	42	673827	783.629	ug/l	99
30) Chloroform	7.37	83	551754	95.023	ug/l	100
31) Cyclohexane	7.65	56	491533	81.780	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	489901	98.002	ug/l	100
36) 1,1-Dichloropropene	7.79	75	428447	94.525	ug/l	100
37) Ethyl Acetate	6.92	43	413069	149.058	ug/l	99
38) Carbon Tetrachloride	7.77	117	440386	90.464	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	508390	97.849	ug/l	100
40) Benzene	8.04	78	1271636	95.494	ug/l	100
41) Methacrylonitrile	7.18	41	177171m	125.073	ug/l	
42) 1,2-Dichloroethane	8.12	62	422408	104.087	ug/l	99
43) Isopropyl Acetate	8.16	43	714738	136.312	ug/l	99
44) Trichloroethene	8.84	130	364480	97.645	ug/l	100
45) 1,2-Dichloropropane	9.12	63	336010	98.270	ug/l	100
46) Dibromomethane	9.21	93	224425	107.484	ug/l	99
47) Bromodichloromethane	9.40	83	457020	104.287	ug/l	100
48) Methyl methacrylate	9.20	41	329661	146.048	ug/l	99
49) 1,4-Dioxane	9.20	88	126177	3448.513	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2068618	827.561	ug/l	100
52) Toluene	10.16	92	813569	103.355	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	528147	122.155	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	563634	113.029	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	323044	109.908	ug/l	99
56) Ethyl methacrylate	10.43	69	528061	150.251	ug/l	99
57) 1,3-Dichloropropane	10.71	76	538145	110.540	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1203119	777.363	ug/l	99
59) 2-Hexanone	10.75	43	1531313	891.377	ug/l	100
60) Dibromochloromethane	10.90	129	388214	113.967	ug/l	100
61) 1,2-Dibromoethane	11.00	107	344113	117.548	ug/l	100
64) Tetrachloroethene	10.63	164	334794	85.394	ug/l	99
65) Chlorobenzene	11.43	112	881990	94.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	343134	100.185	ug/l	99
67) Ethyl Benzene	11.51	91	1548336	102.090	ug/l	100
68) m/p-Xylenes	11.62	106	1176832	201.713	ug/l	100
69) o-Xylene	11.95	106	566800	100.707	ug/l	100
70) Styrene	11.96	104	1002256	112.419	ug/l	99
71) Bromoform	12.13	173	313064	123.776	ug/l #	100
73) Isopropylbenzene	12.25	105	1491434	97.709	ug/l	99
74) N-amyl acetate	12.07	43	610476	156.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	469553	123.192	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	381518m	115.247	ug/l	
77) Bromobenzene	12.53	156	407914	99.991	ug/l	99
78) n-propylbenzene	12.59	91	1701804	100.200	ug/l	100
79) 2-Chlorotoluene	12.67	91	1012811	98.652	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1276443	100.844	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	168561	157.313	ug/l	99
82) 4-Chlorotoluene	12.77	91	1032561	101.104	ug/l	99
83) tert-Butylbenzene	12.99	119	1081008	95.538	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1272873	100.701	ug/l	100
85) sec-Butylbenzene	13.17	105	1422443	93.892	ug/l	100
86) p-Isopropyltoluene	13.29	119	1330840	100.527	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	698467	98.442	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	688313	96.492	ug/l	99
89) n-Butylbenzene	13.61	91	1117845	102.981	ug/l	100
90) Hexachloroethane	13.87	117	253166	98.205	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	672210	96.379	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91581	152.296	ug/l	97

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ALS Vial : 7 Sample Multiplier: 1

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VSTDICC100

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	407826	111.879	ug/l	99
94) Hexachlorobutadiene	15.01	225	219791	75.876	ug/l	99
95) Naphthalene	15.13	128	1122241	153.155	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	400183	112.605	ug/l	100

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

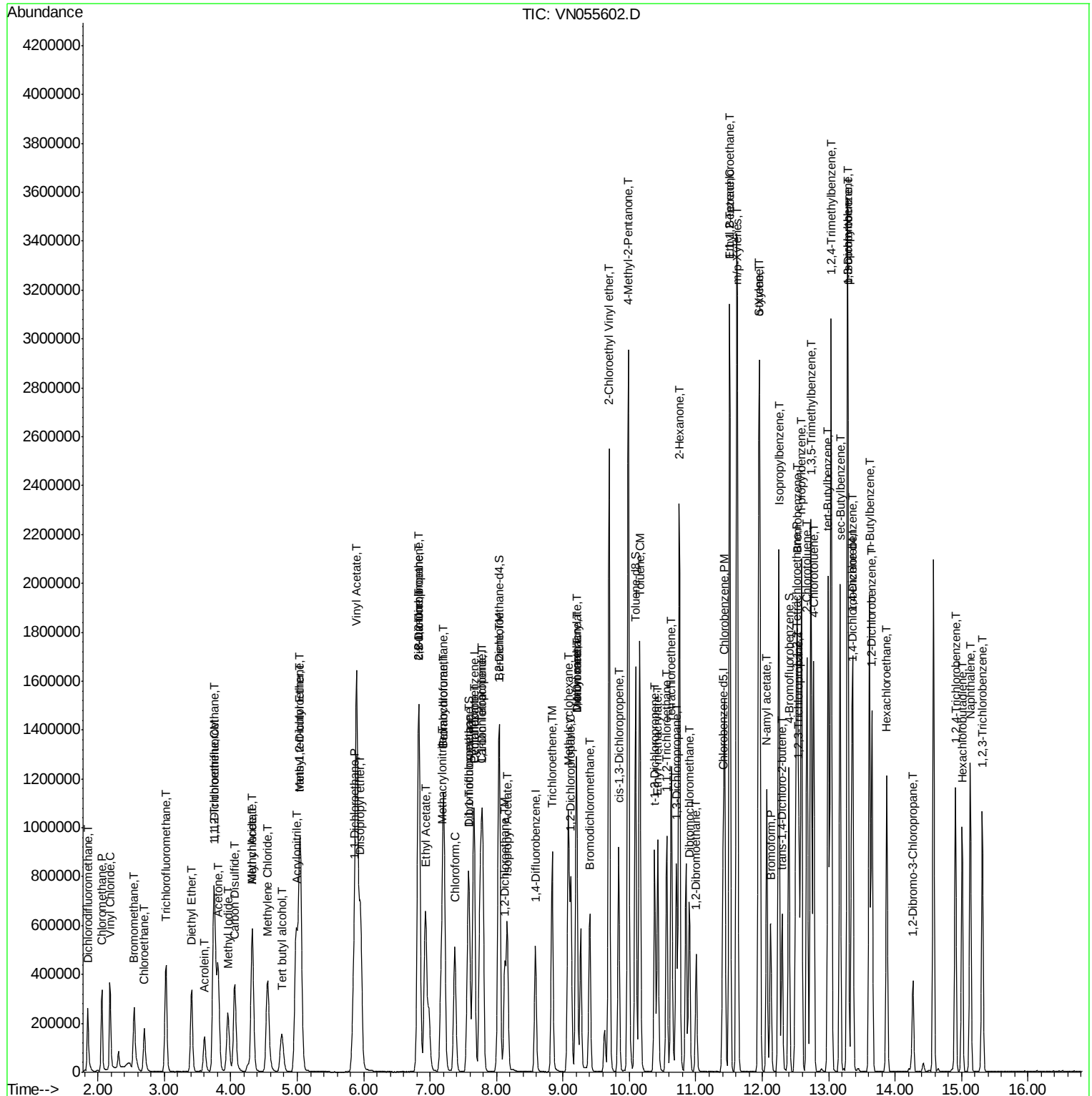
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Data File : VN055602.D
Acq On : 17 May 2019 11:03
Operator : JC/SP
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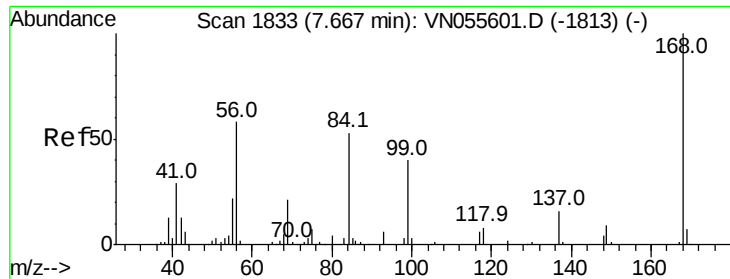
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 327841

Ion Ratio Lower Upper

168 100

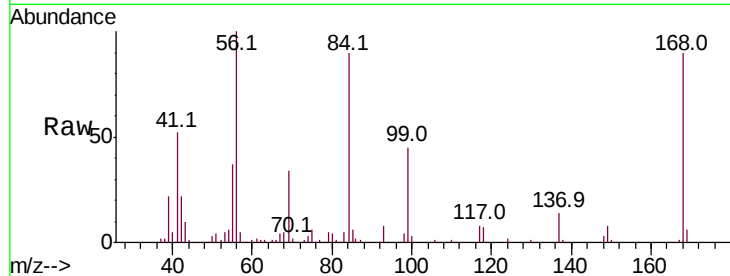
99 49.3 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

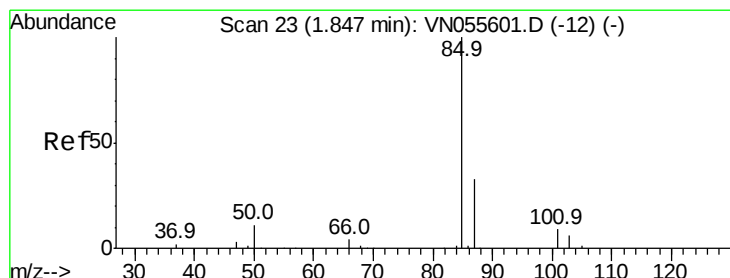
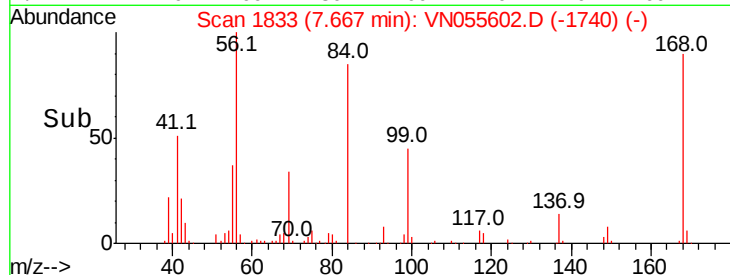
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 83.285 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055602.D

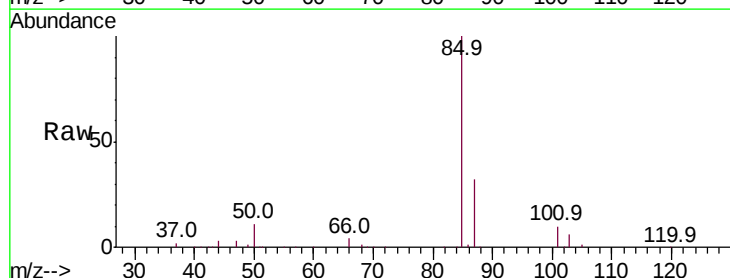
Acq: 17 May 2019 11:03

Tgt Ion: 85 Resp: 230340

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

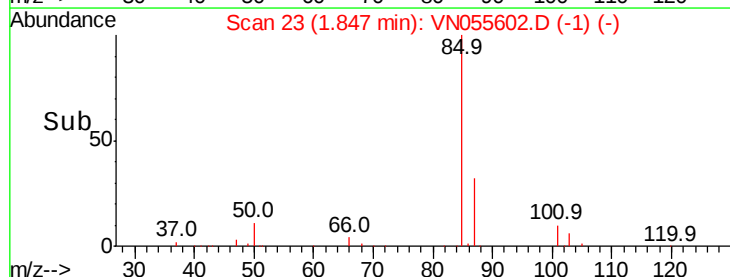
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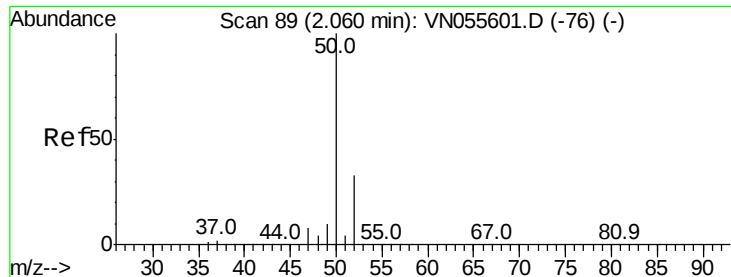
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 91.525 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 316315

Ion Ratio Lower Upper

50 100

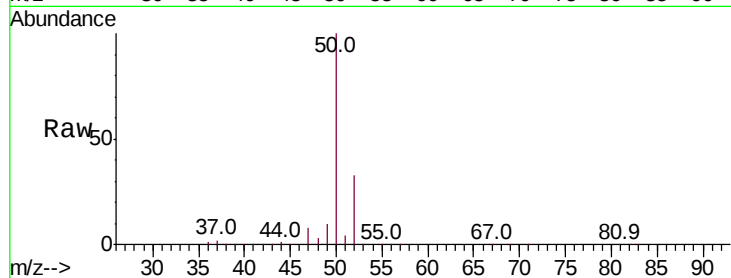
52 33.2 26.7 40.1

Manual Integrations

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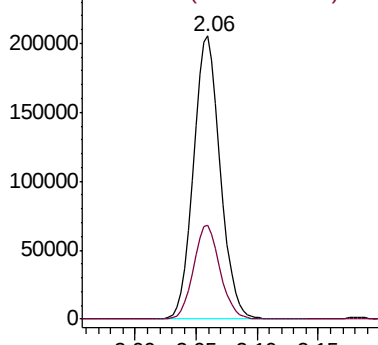
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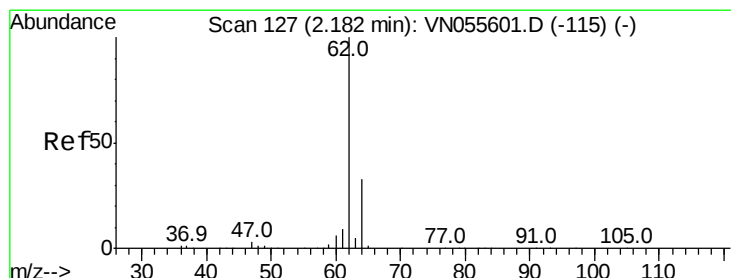
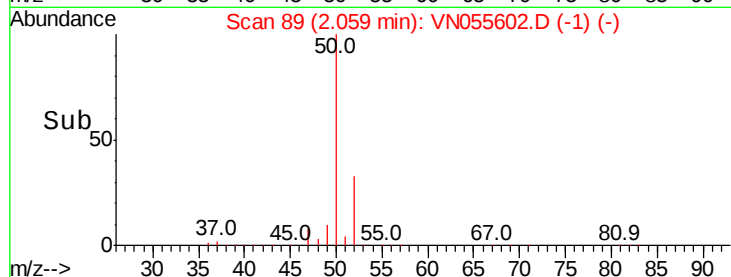


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 92.211 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055602.D

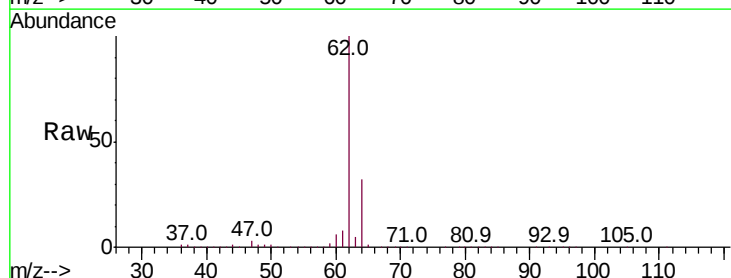
Acq: 17 May 2019 11:03

Tgt Ion: 62 Resp: 344961

Ion Ratio Lower Upper

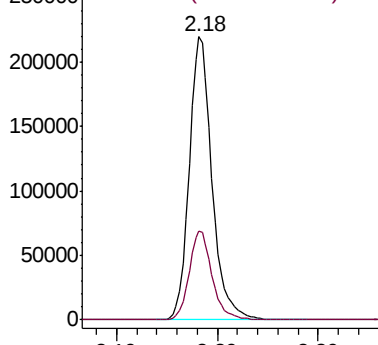
62 100

64 31.5 26.2 39.4

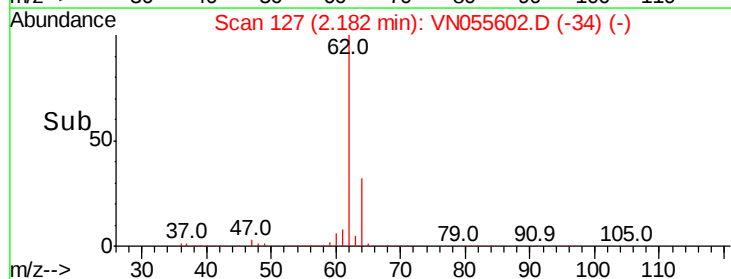


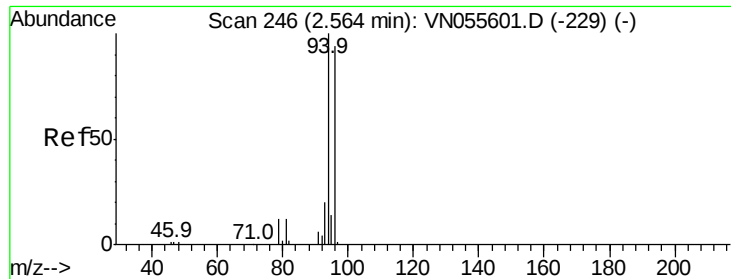
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 82.727 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

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ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 224136

Ion Ratio Lower Upper

94 100

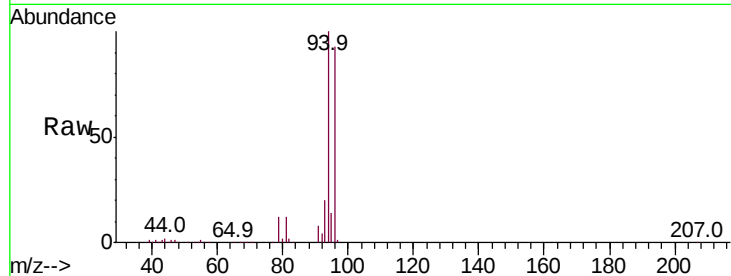
96 93.1 75.2 112.8

Manual Integrations

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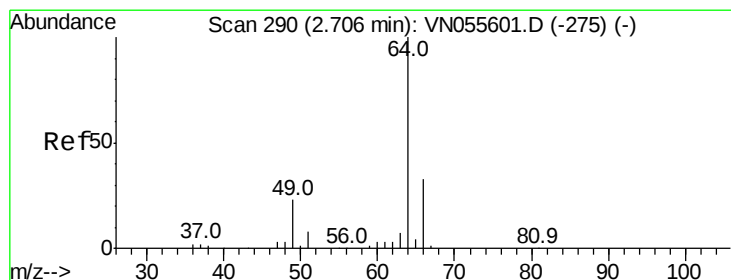
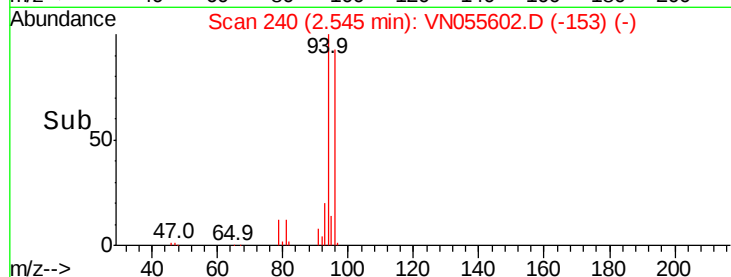
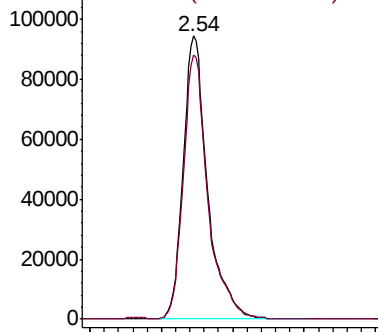
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 83.599 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN055602.D

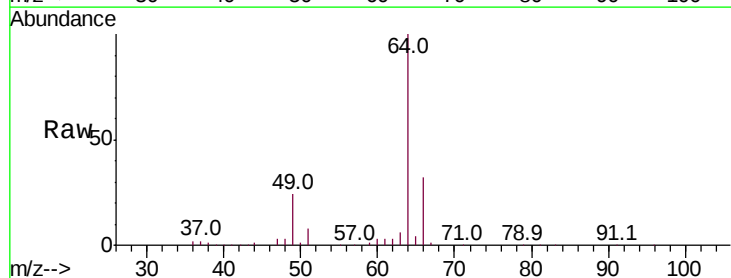
Acq: 17 May 2019 11:03

Tgt Ion: 64 Resp: 199922

Ion Ratio Lower Upper

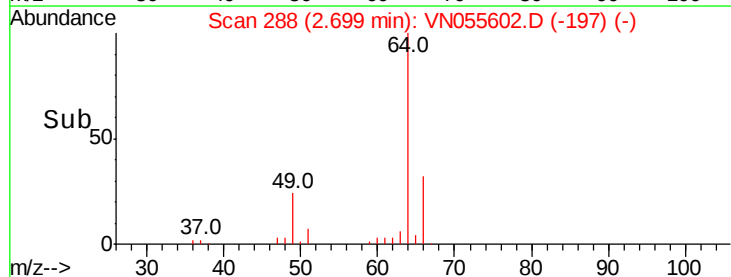
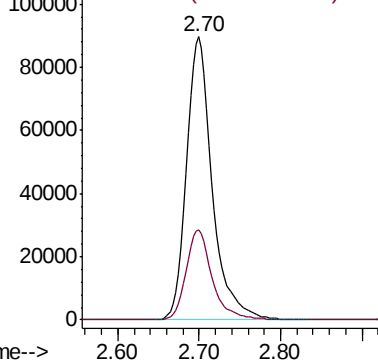
64 100

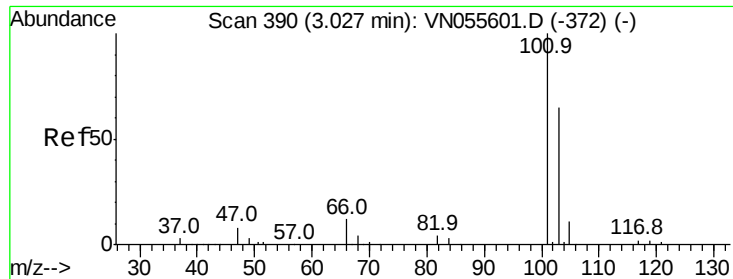
66 31.6 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

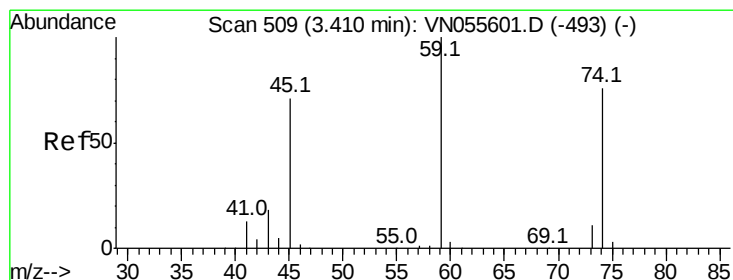
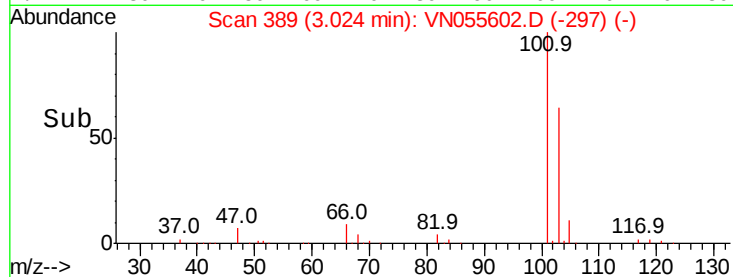
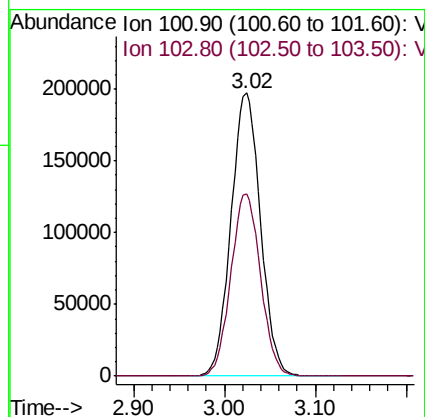
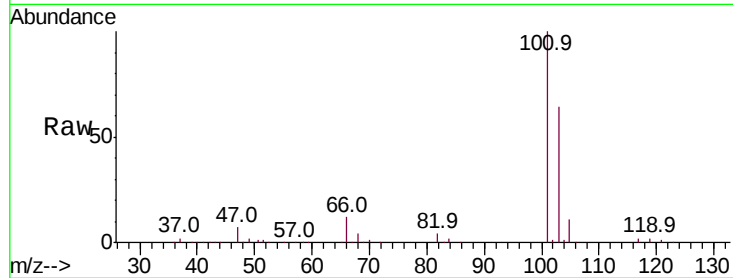
Trichlorofluoromethane
Concen: 83.950 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 443999
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5

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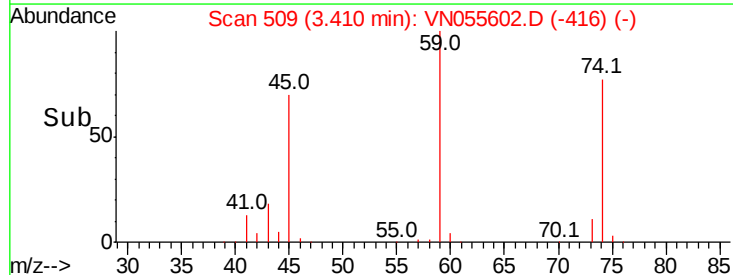
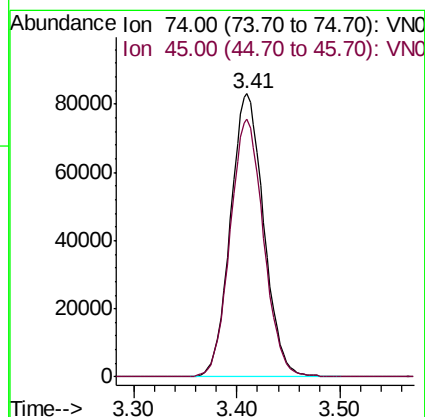
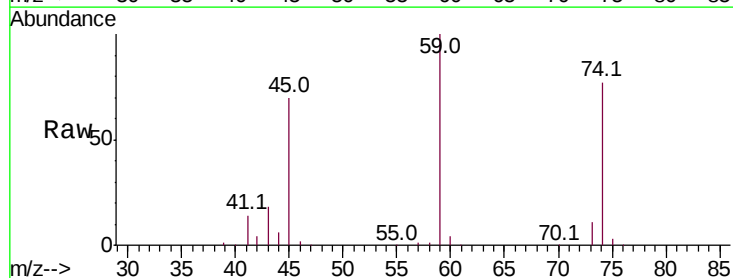
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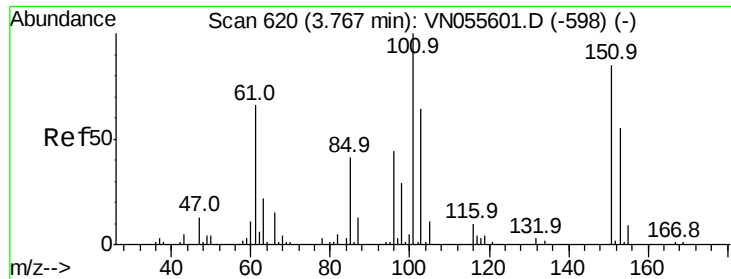


#8

Diethyl Ether
Concen: 97.655 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion: 74 Resp: 186789
Ion Ratio Lower Upper
74 100
45 91.7 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.600 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

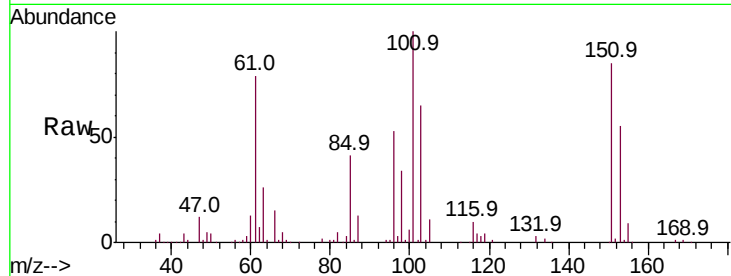
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	268569
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	86.0	69.3	103.9

Manual Integrations
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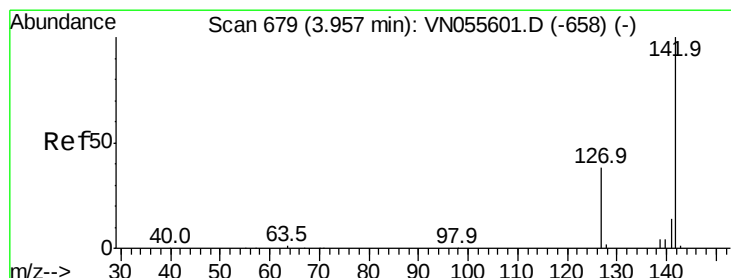
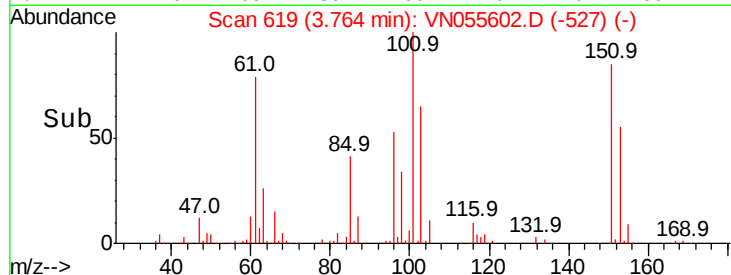
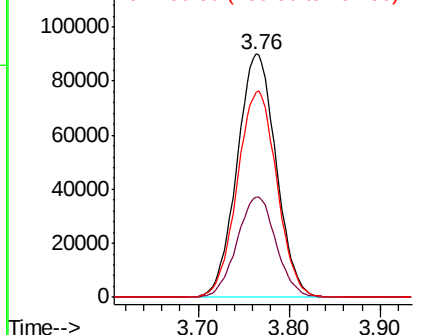


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 90.605 ug/l

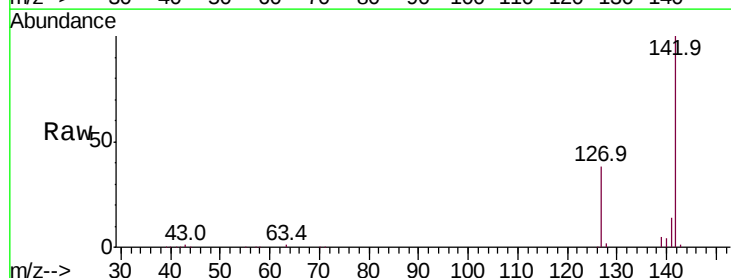
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	142	Resp:	423542
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.1	11.5	17.3

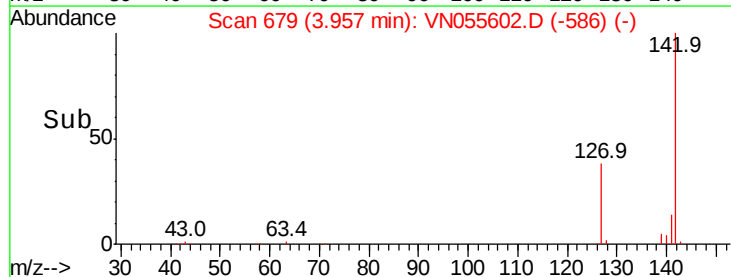
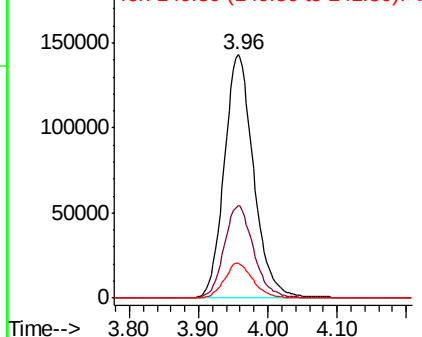


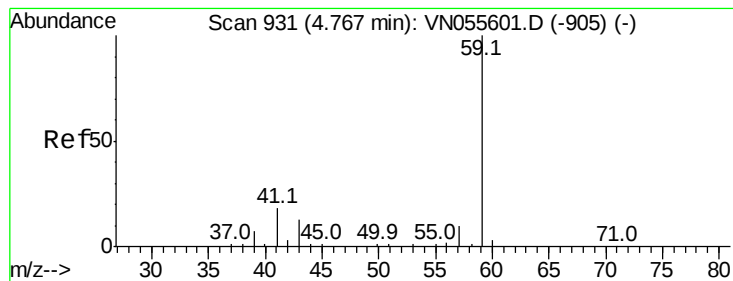
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

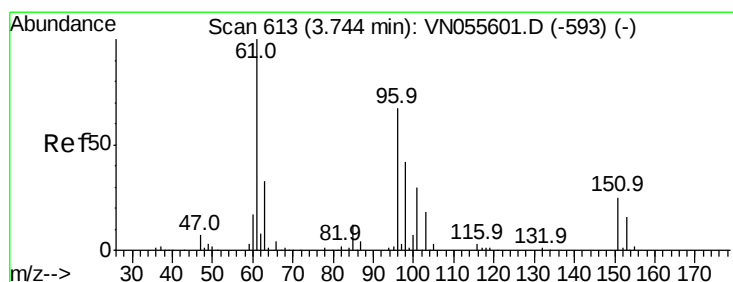
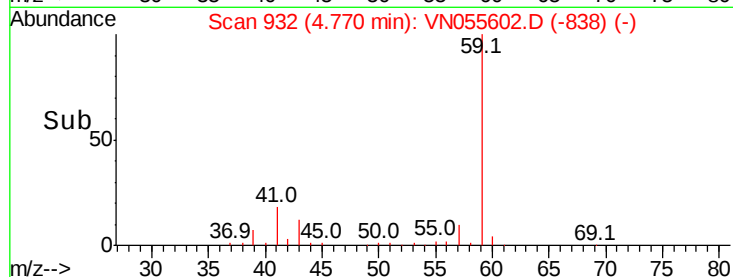
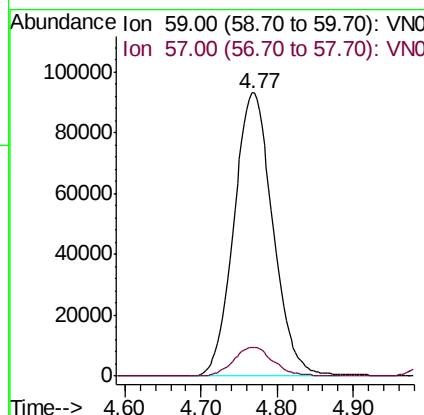
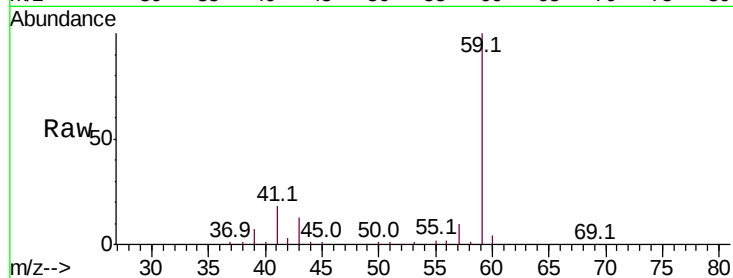
Tert butyl alcohol
 Concen: 1086.289 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	59	57	Ratio	100	10.0	Resp	331517	Lower	Upper
59	100								
57		10.0						7.8	11.6

Manual Integrations
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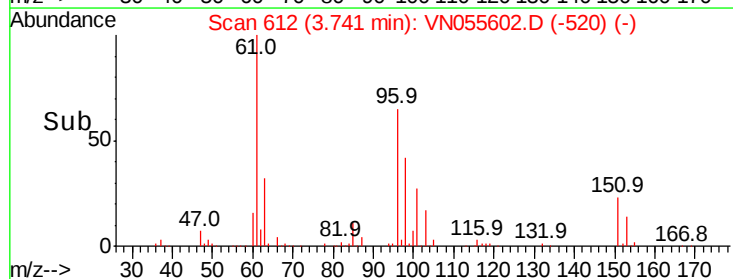
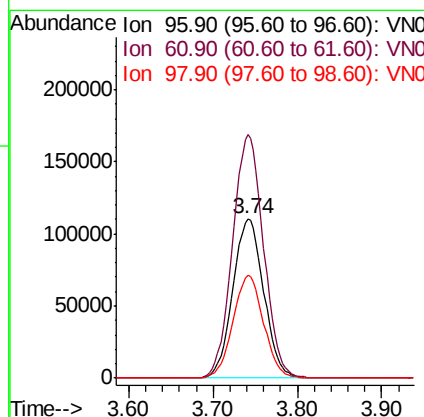
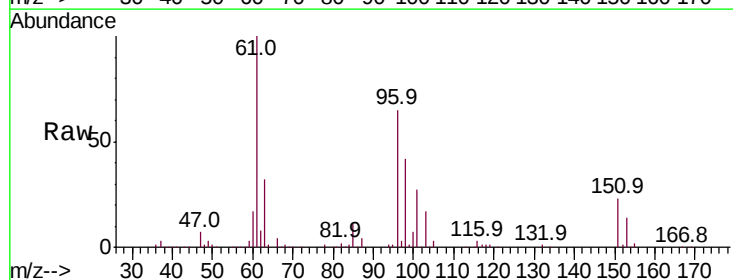
MMDadoda
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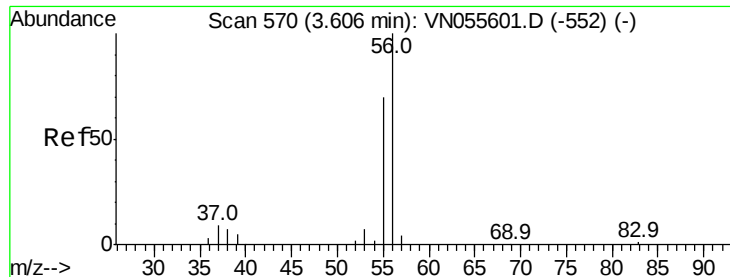


#12

1,1-Dichloroethene
 Concen: 93.215 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	96	61	98	Ratio	100	152.7	64.3	Resp	282183	Lower	Upper
96	100										
61		152.7								120.2	180.2
98		64.3								50.6	75.8





#13

Acrolein

Concen: 996.452 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 170926

Ion Ratio Lower Upper

56 100

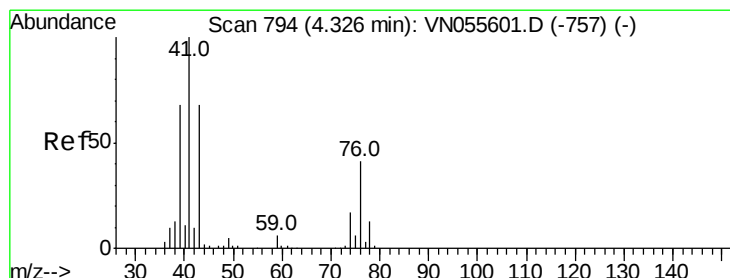
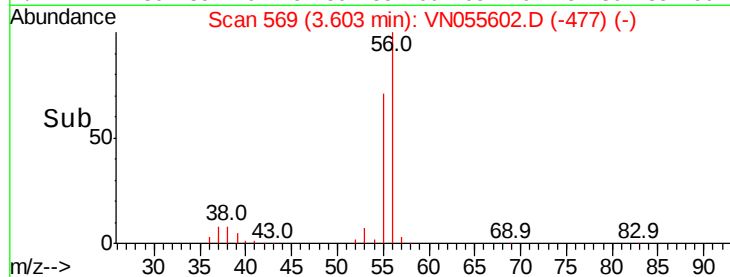
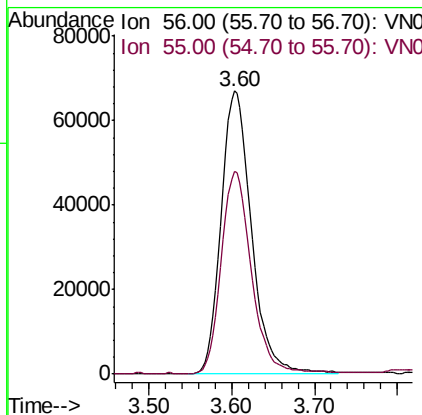
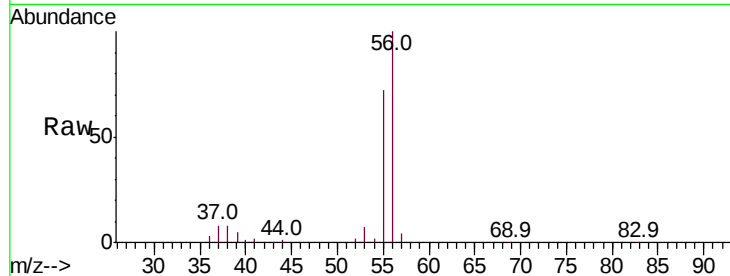
55 69.8 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 94.694 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

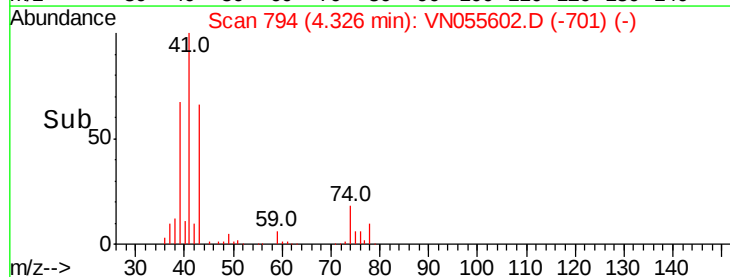
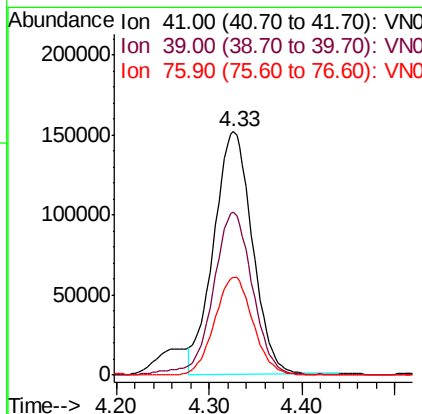
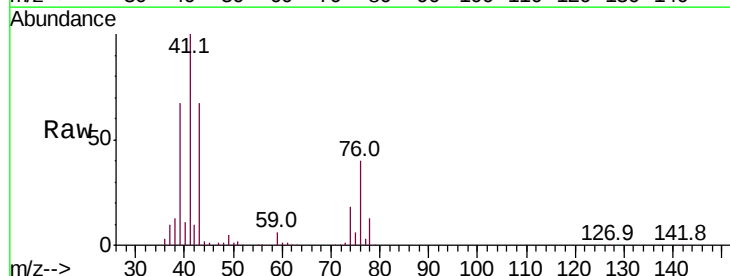
Tgt Ion: 41 Resp: 439724

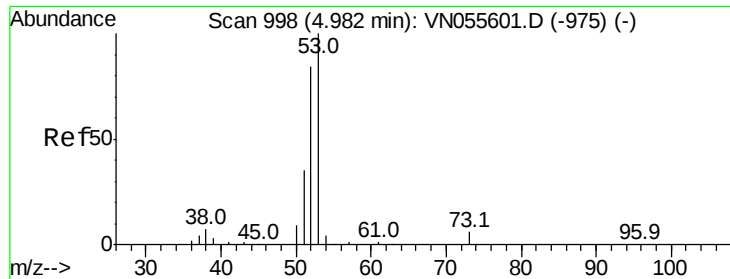
Ion Ratio Lower Upper

41 100

39 68.0 50.5 75.7

76 39.5 29.2 43.8





#15

Acrylonitrile

Concen: 683.277 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

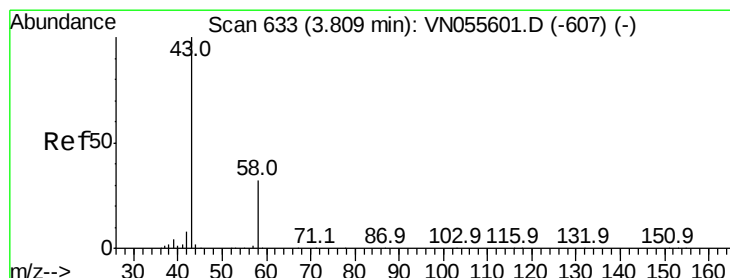
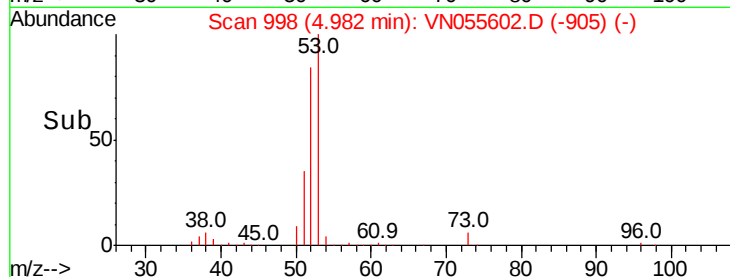
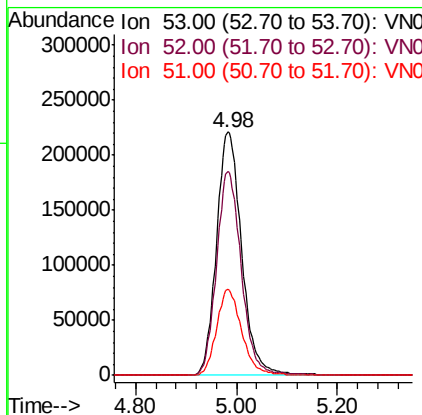
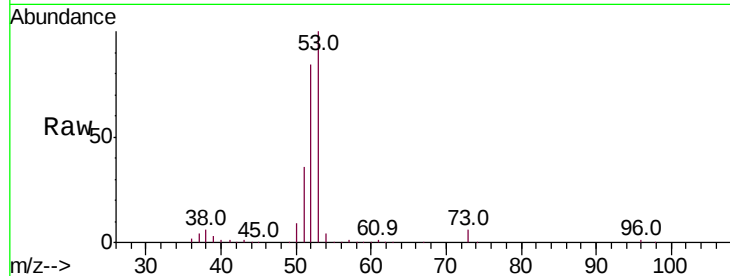
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	768044
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.4
51	35.5	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 692.630 ug/l

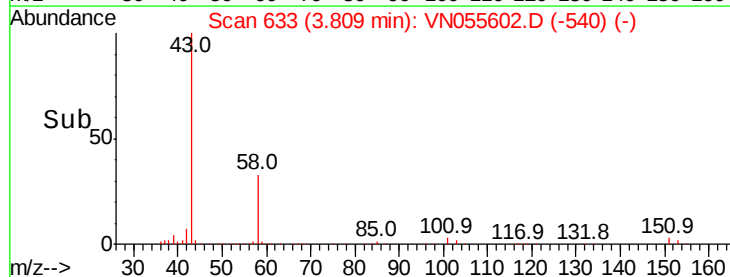
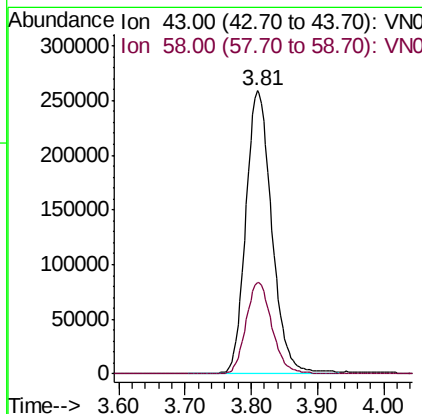
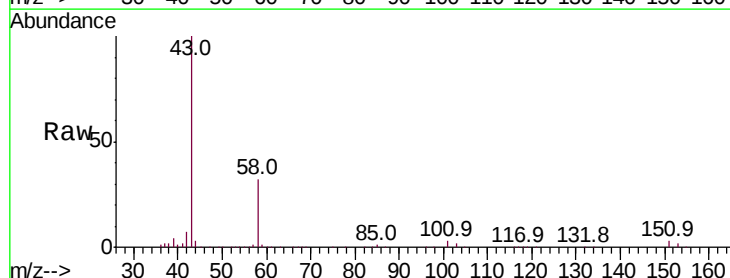
RT: 3.81 min Scan# 633

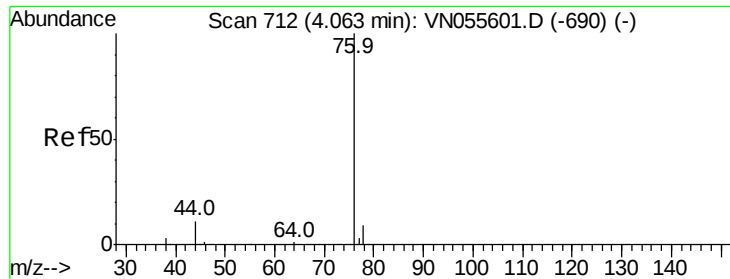
Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	43	Resp:	704709
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.0	39.0





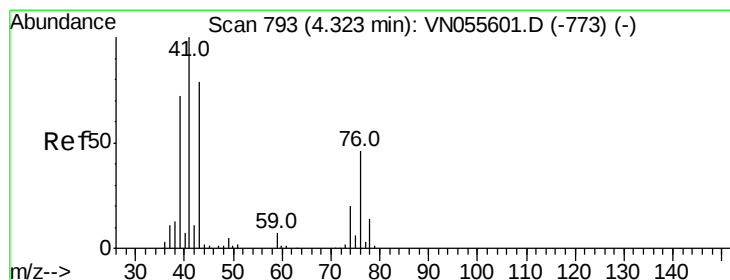
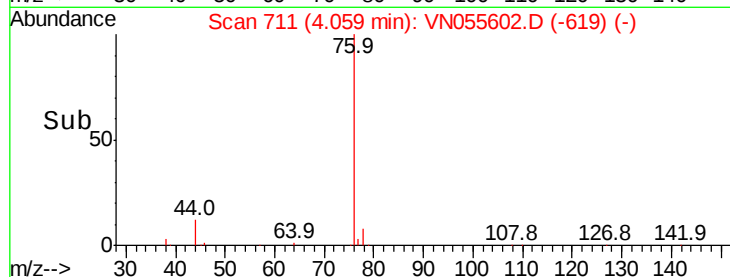
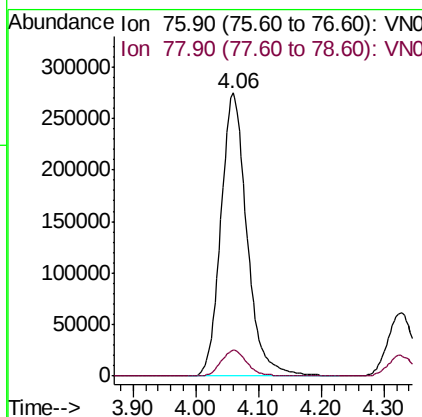
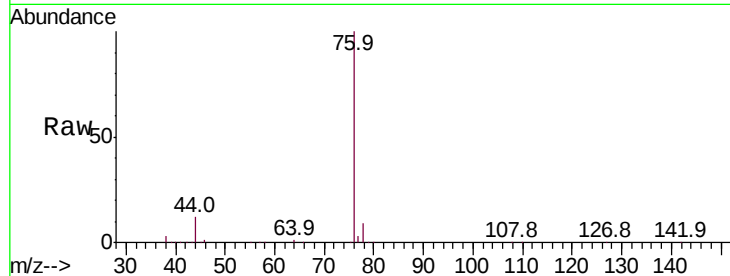
#17
Carbon Disulfide
Concen: 85.881 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

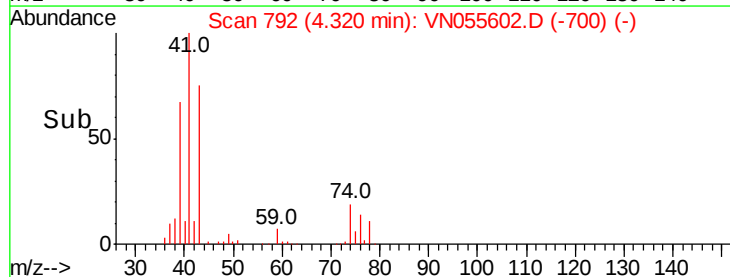
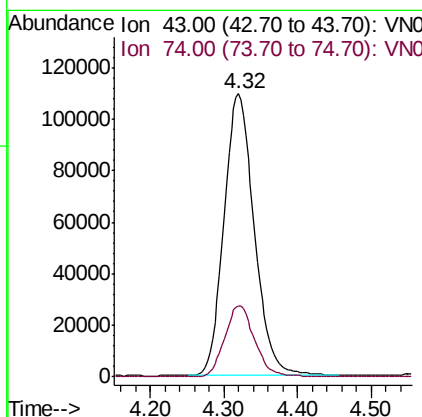
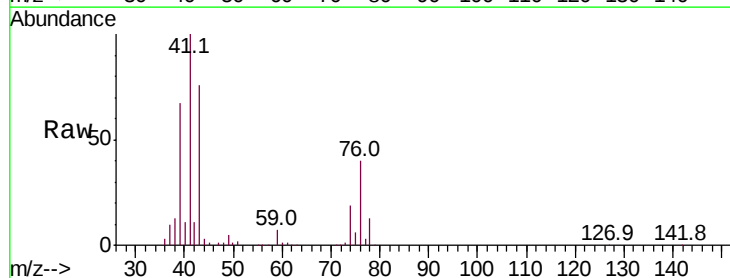
Manual Integrations
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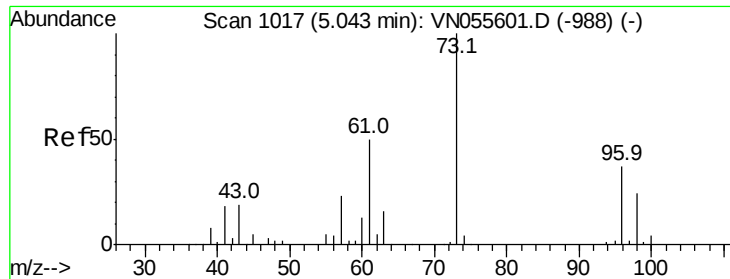
MMDadoda
5/20/2019 9:10:07 AM



#18
Methyl Acetate
Concen: 132.428 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.9	29.9





#19

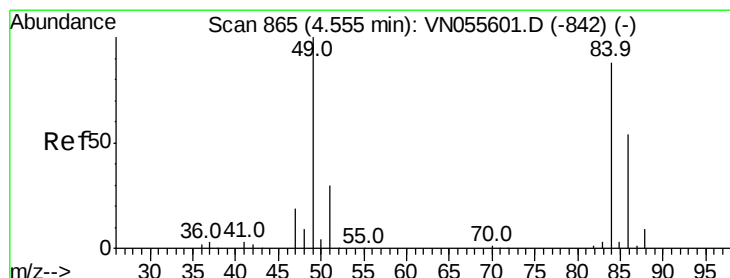
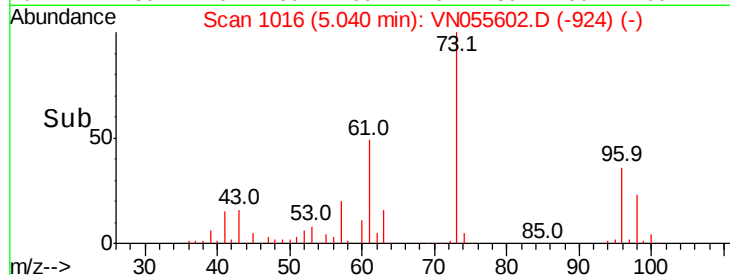
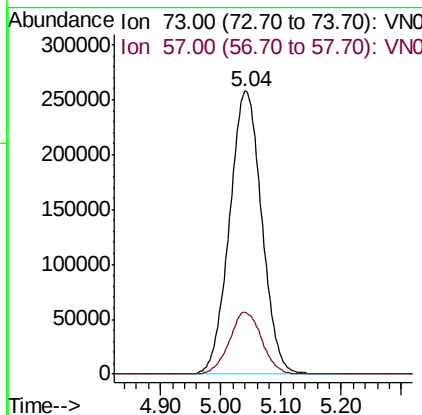
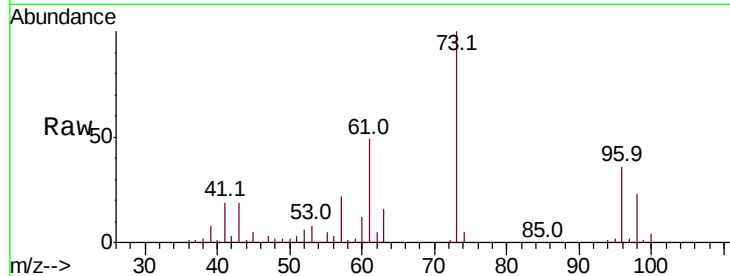
Methyl tert-butyl Ether
 Concen: 120.240 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 962499
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.2 27.2

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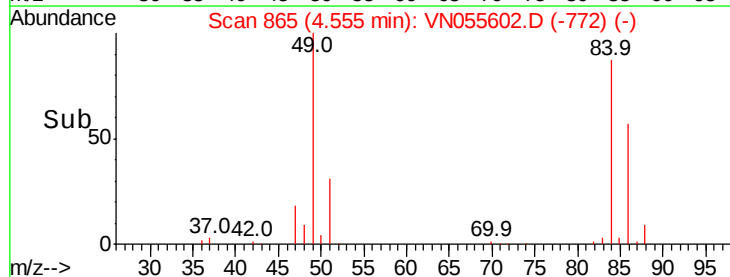
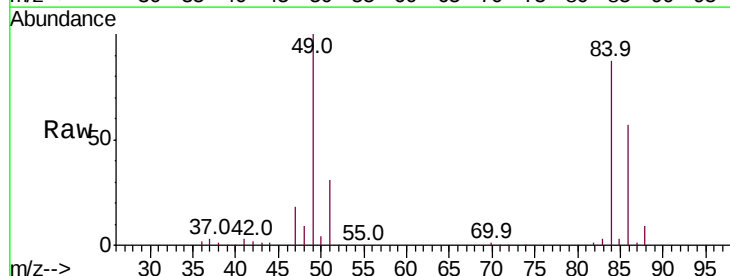
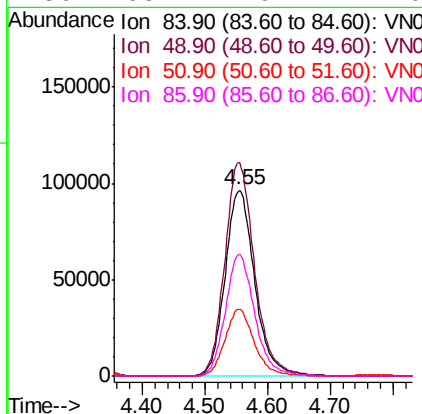
MMDadoda
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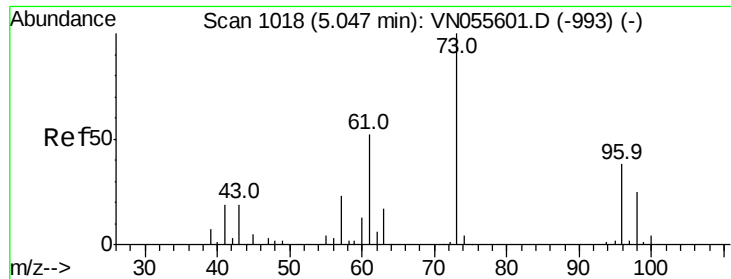


#20

Methylene Chloride
 Concen: 92.217 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion: 84 Resp: 316222
 Ion Ratio Lower Upper
 84 100
 49 114.9 91.0 136.4
 51 36.1 27.5 41.3
 86 65.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 96.481 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

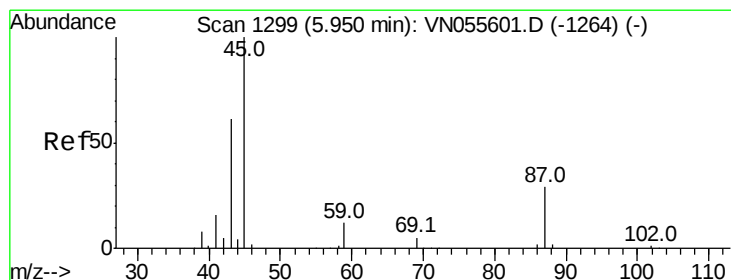
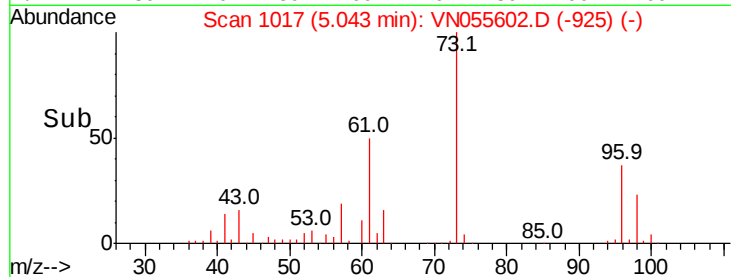
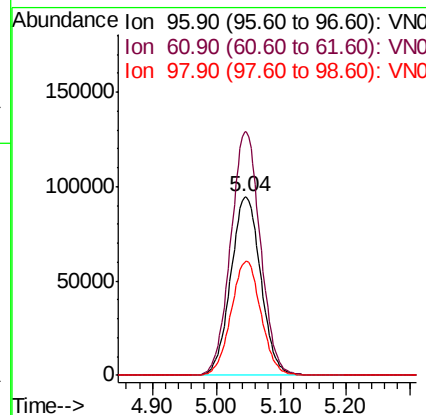
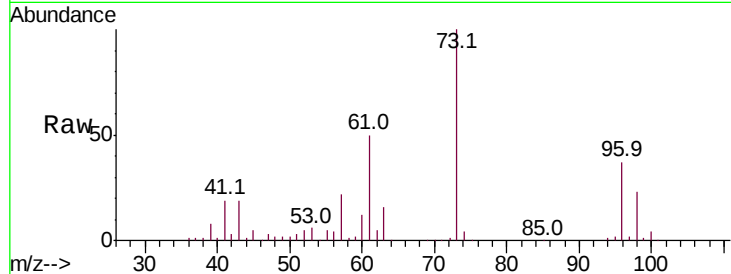
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	306431
Ion	Ratio	Lower	Upper
96	100		
61	136.1	108.6	162.8
98	63.4	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 109.012 ug/l

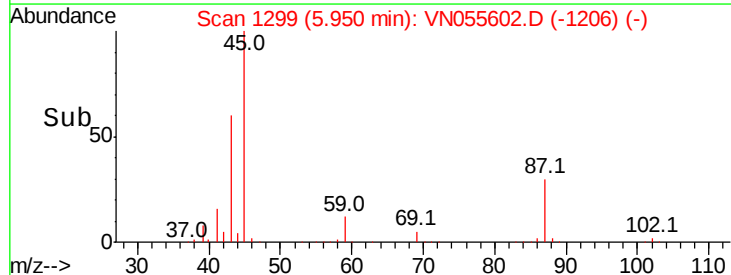
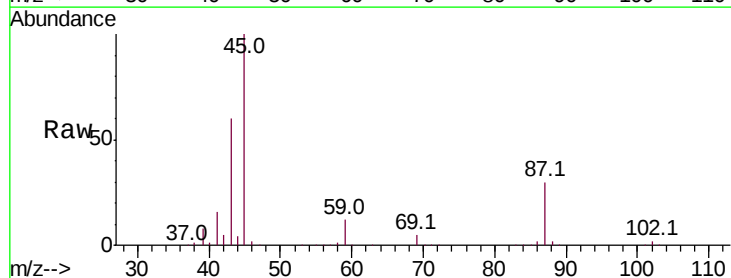
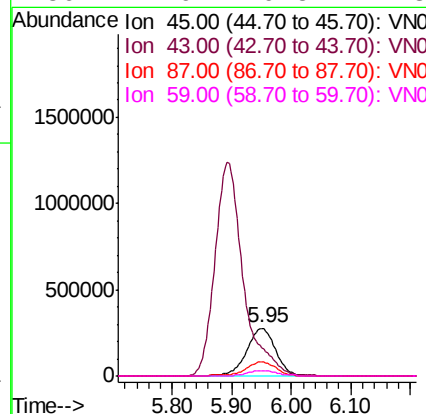
RT: 5.95 min Scan# 1299

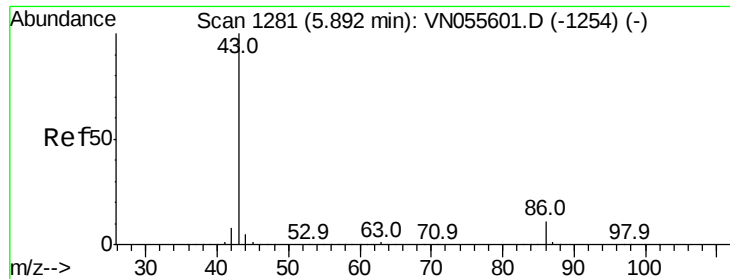
Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	45	Resp:	941671
Ion	Ratio	Lower	Upper
45	100		
43	58.8	50.4	75.6
87	29.6	23.8	35.6
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 636.856 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4100119

Ion Ratio Lower Upper

43 100

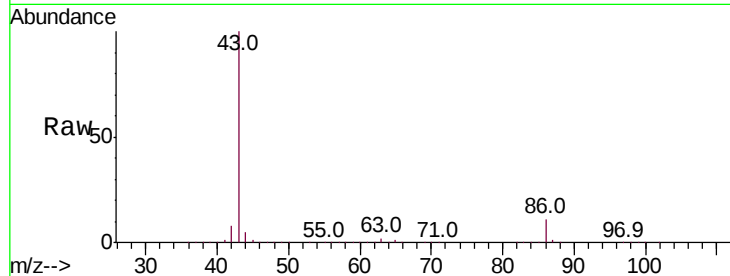
86 10.9 8.7 13.1

Manual Integrations

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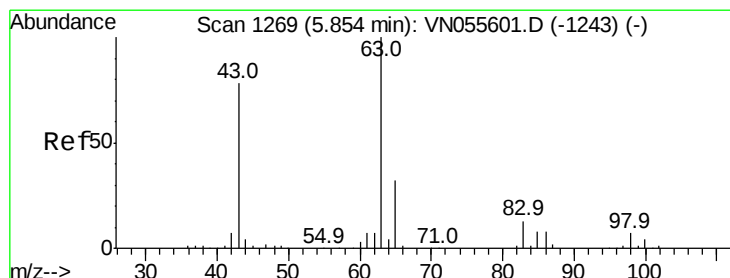
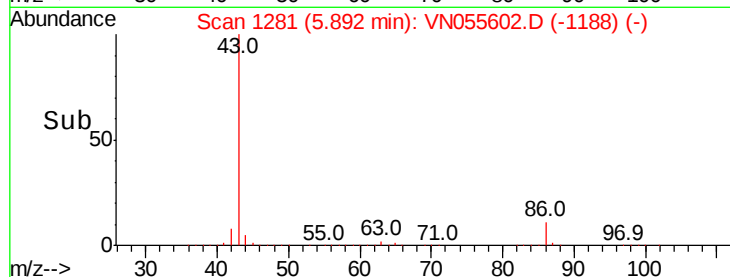
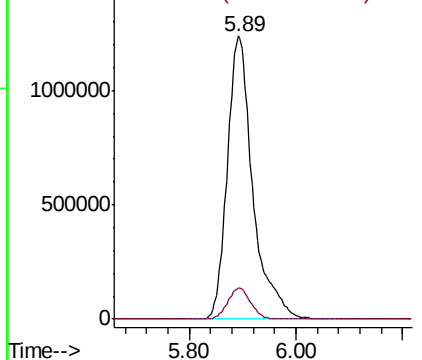
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 95.094 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

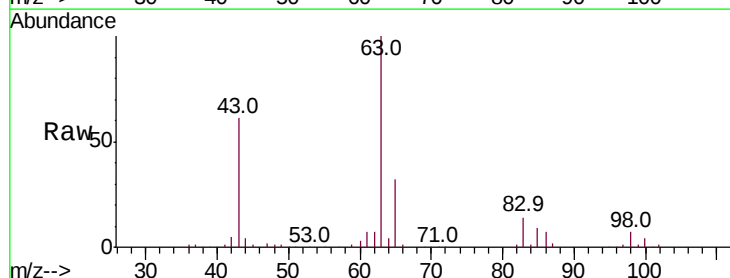
Tgt Ion: 63 Resp: 549664

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

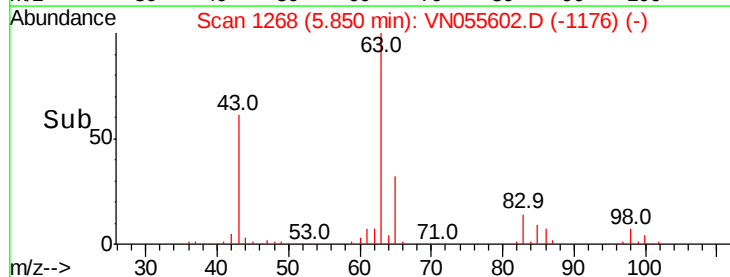
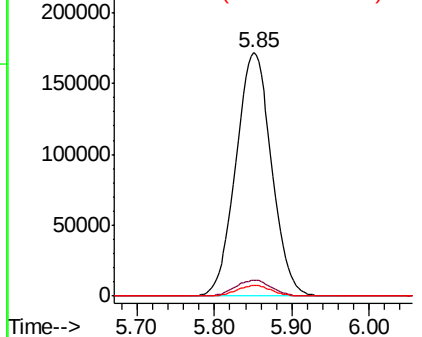
100 4.2 2.2 6.6

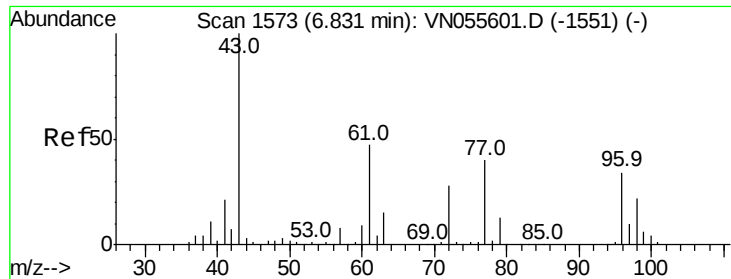


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





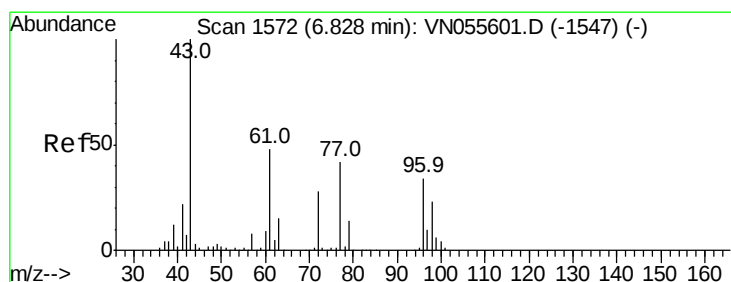
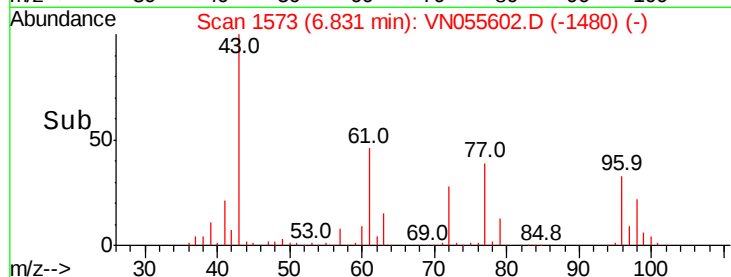
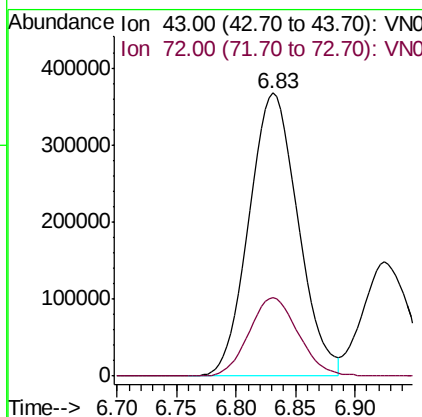
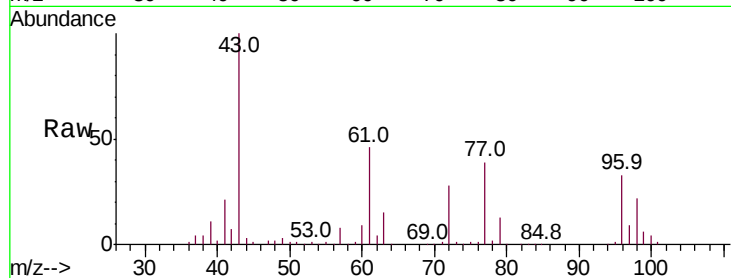
#25
2-Butanone
Concen: 785.133 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1047827
Ion Ratio Lower Upper
43 100
72 27.7 22.3 33.5

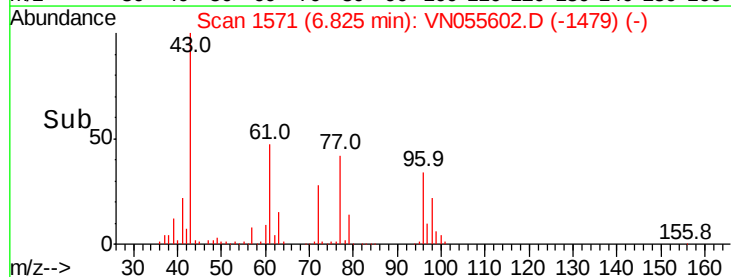
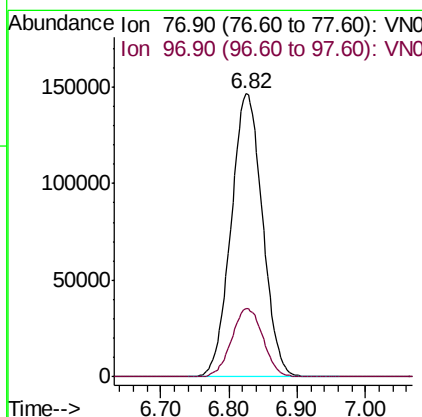
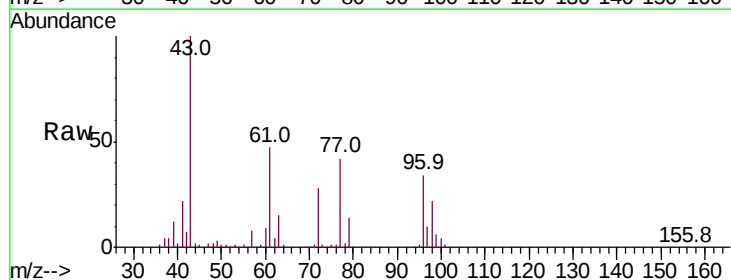
Manual Integrations
APPROVED

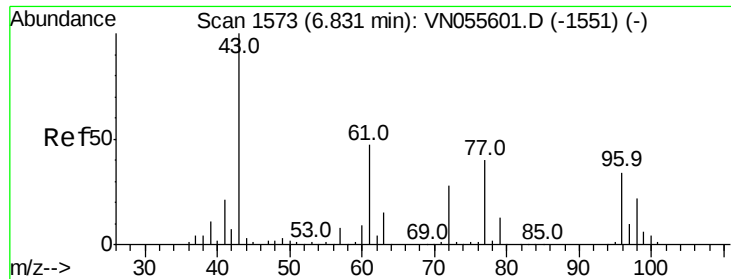
MMDadoda
5/20/2019 9:10:07 AM



#26
2,2-Dichloropropane
Concen: 104.872 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion: 77 Resp: 469265
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 99.985 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

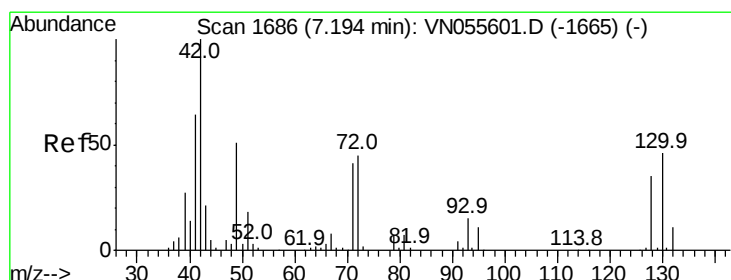
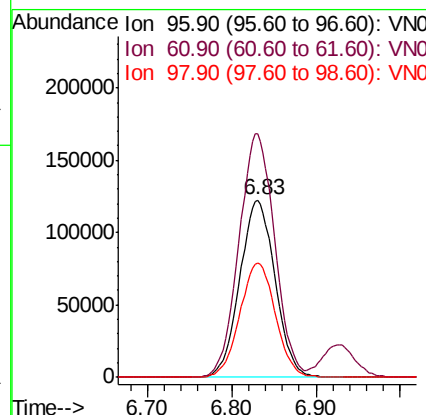
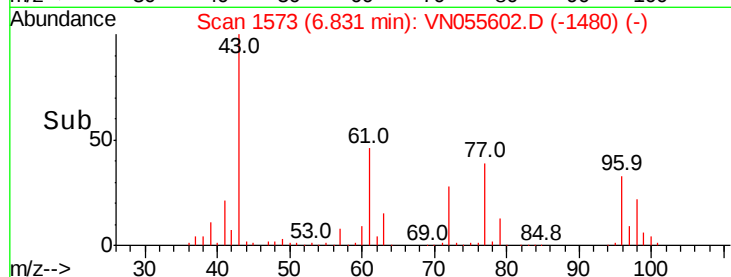
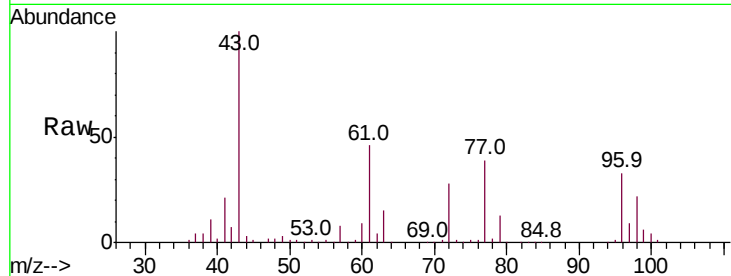
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	357172
Ion Ratio	Lower	Upper	
96	100		
61	138.9	0.0	279.0
98	64.9	0.0	131.6

Manual Integrations
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5/20/2019 9:10:07 AM



#28

Bromochloromethane

Concen: 95.188 ug/l

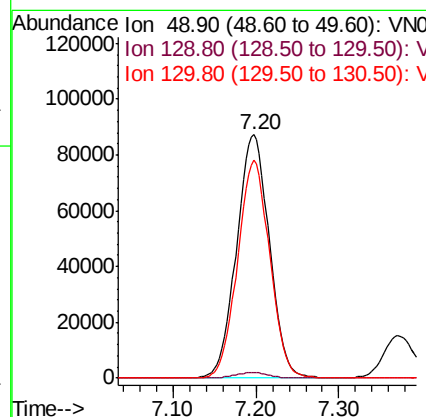
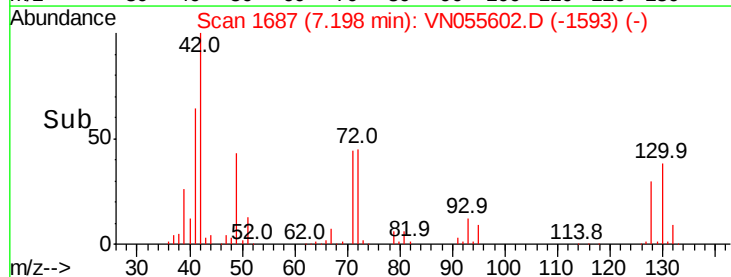
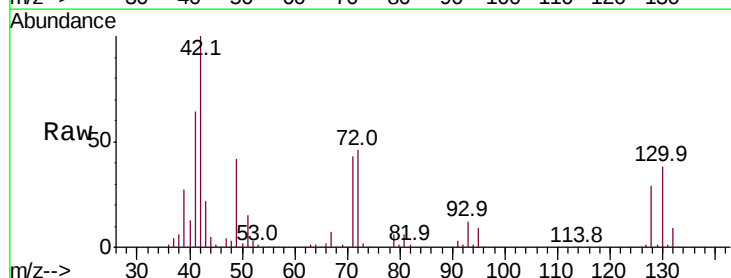
RT: 7.20 min Scan# 1687

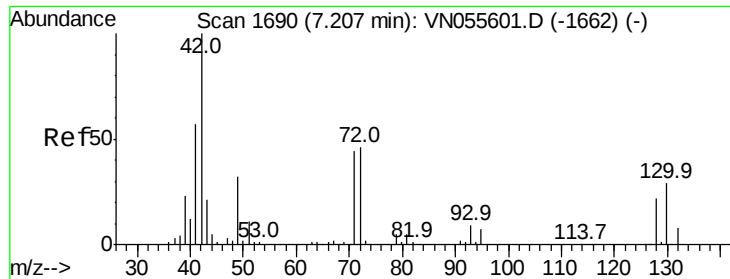
Delta R.T. 0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	49	Resp:	240253
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	88.0	71.0	106.6





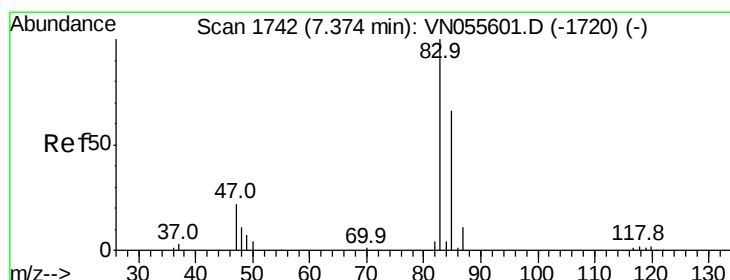
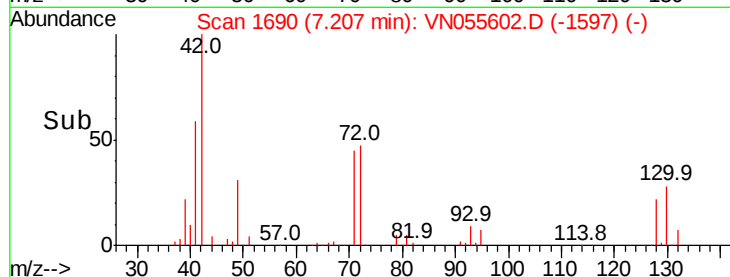
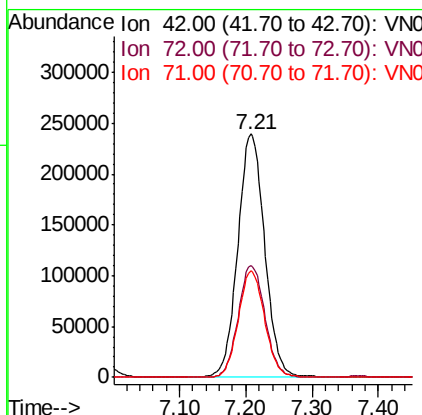
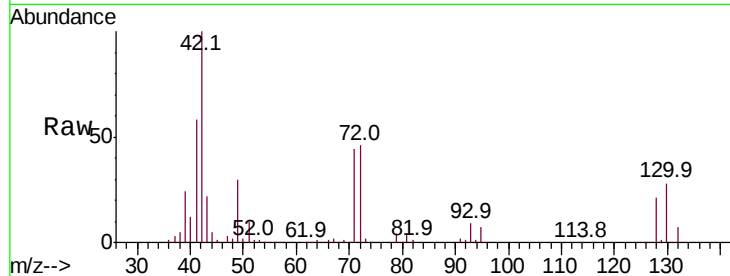
#29
Tetrahydrofuran
Concen: 783.629 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.5	54.7
71	43.0	34.9	52.3

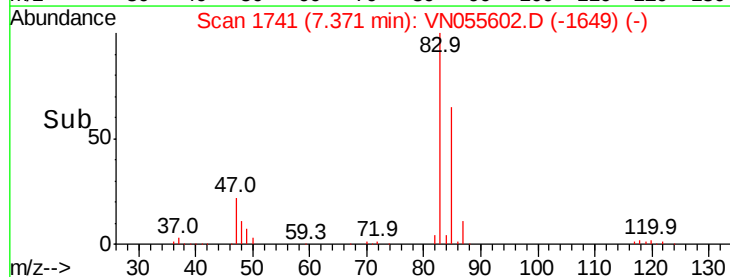
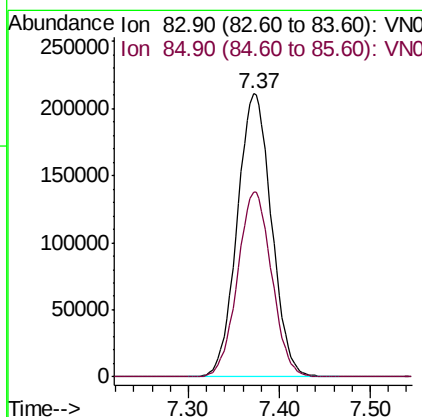
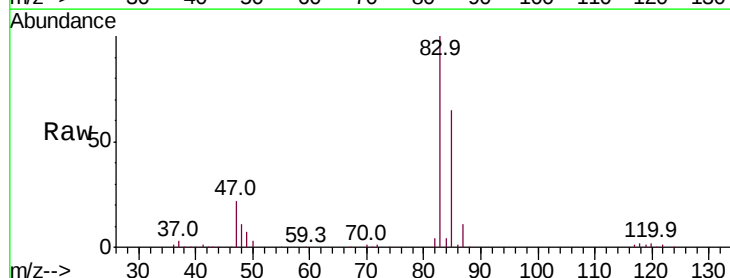
Manual Integrations
APPROVED

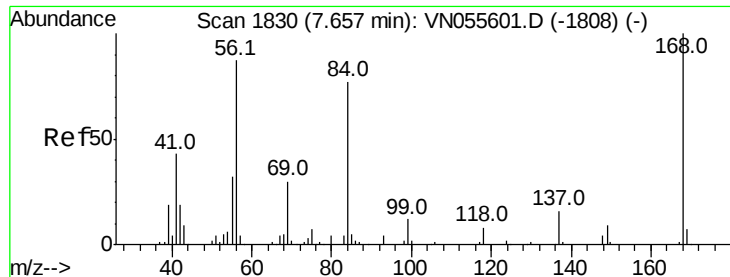
MMDadoda
5/20/2019 9:10:07 AM



#30
Chloroform
Concen: 95.023 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





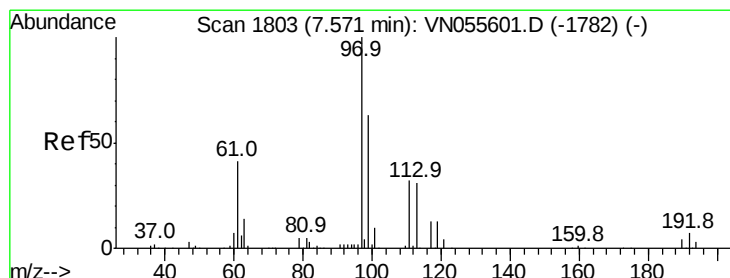
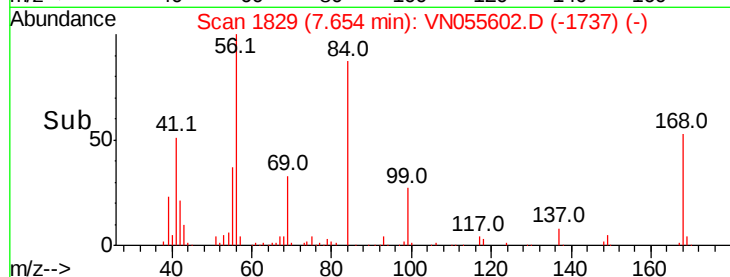
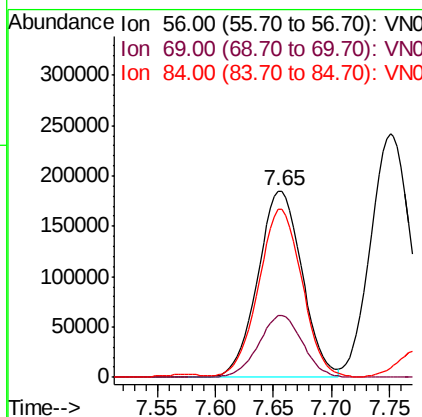
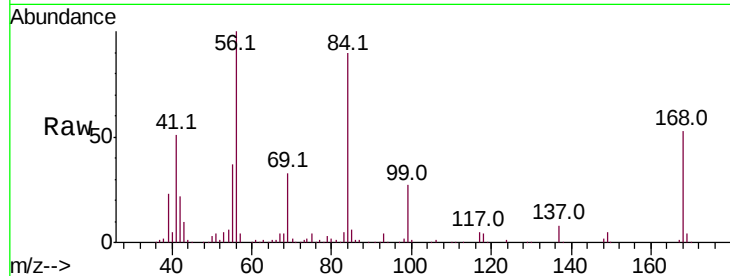
#31
Cyclohexane
Concen: 81.780 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	27.2	40.8
84	88.6	71.3	106.9

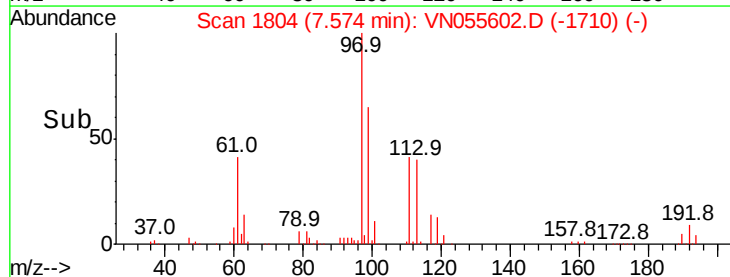
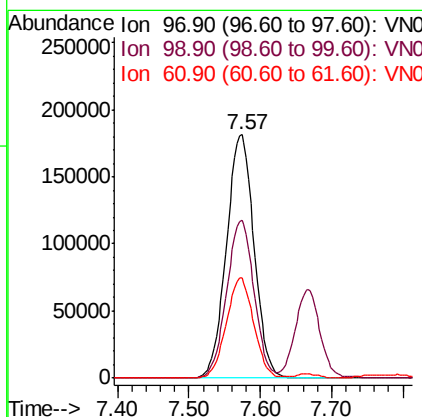
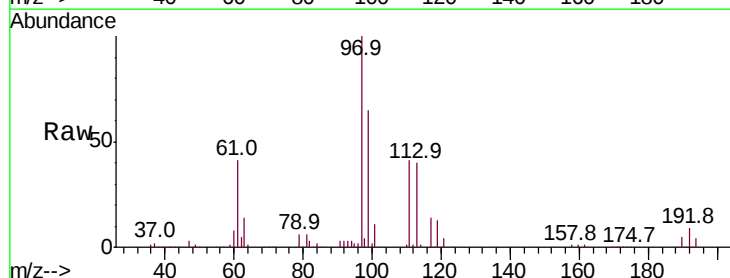
Manual Integrations
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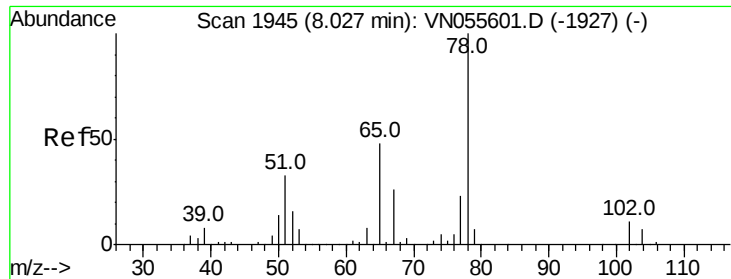
MMDadoda
5/20/2019 9:10:07 AM



#32
1,1,1-Trichloroethane
Concen: 98.002 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	40.7	32.9	49.3





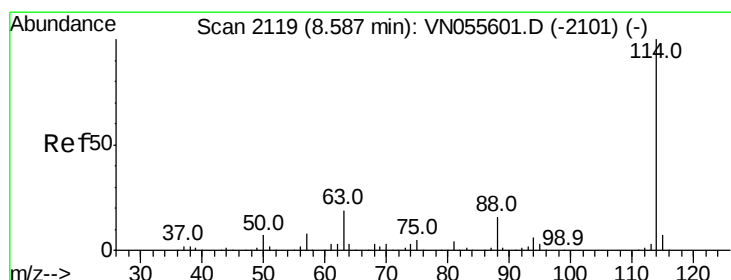
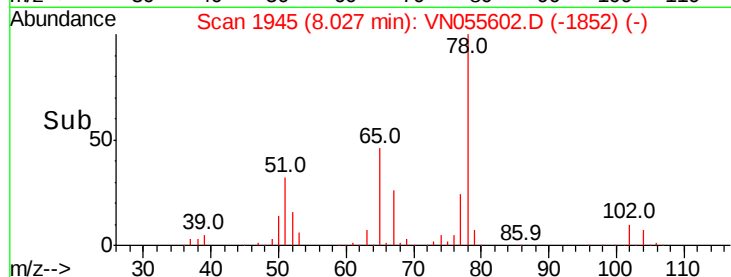
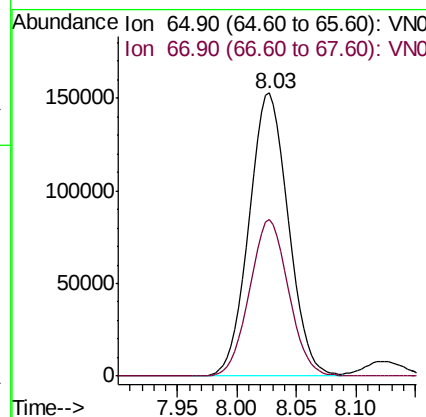
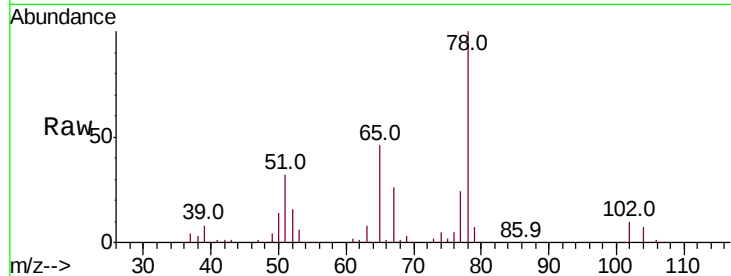
#33
 1,2-Dichloroethane-d4
 Concen: 103.077 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	108.6	

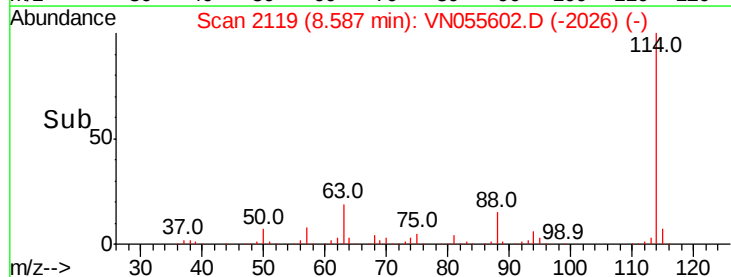
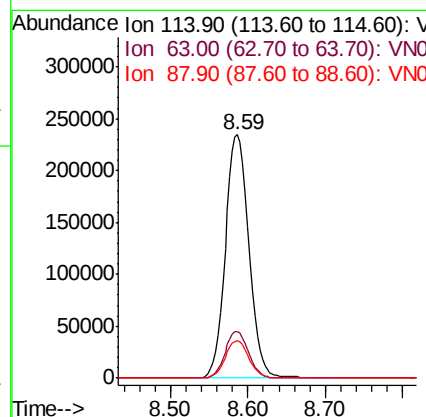
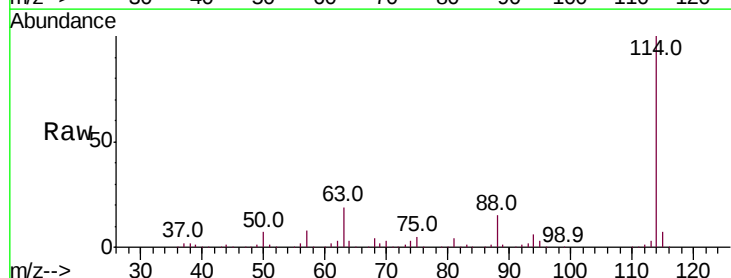
Manual Integrations
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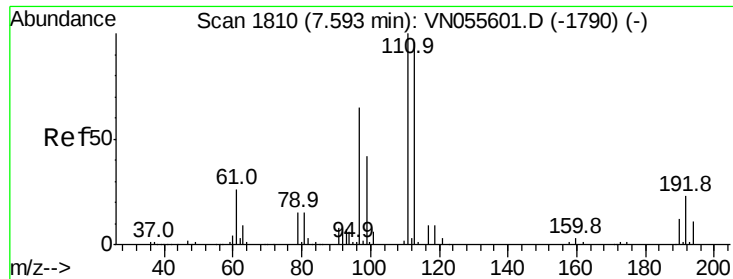
MMDadoda
 5/20/2019 9:10:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.2	
88	15.3	0.0	31.0	





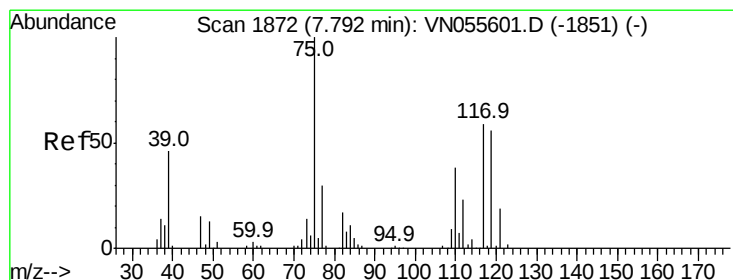
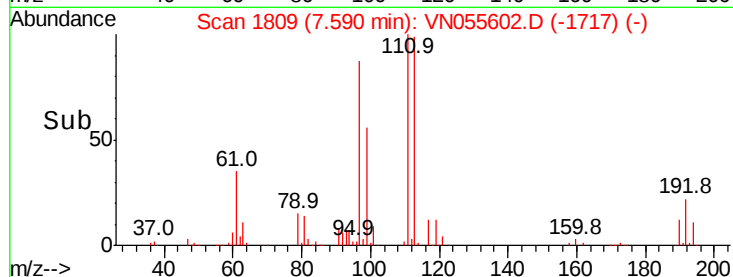
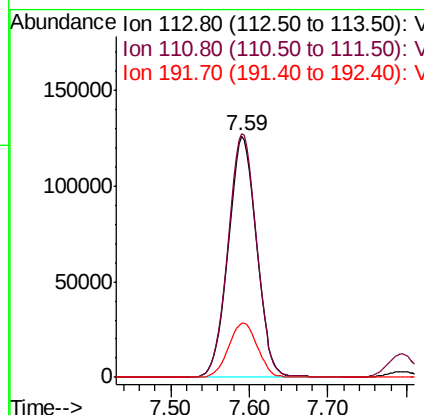
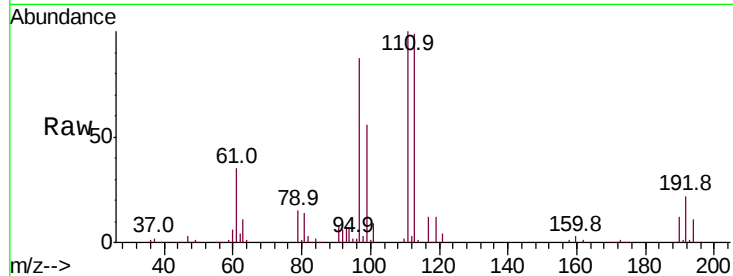
#35
 Dibromofluoromethane
 Concen: 96.246 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.5	123.7
192	23.0	18.7	28.1

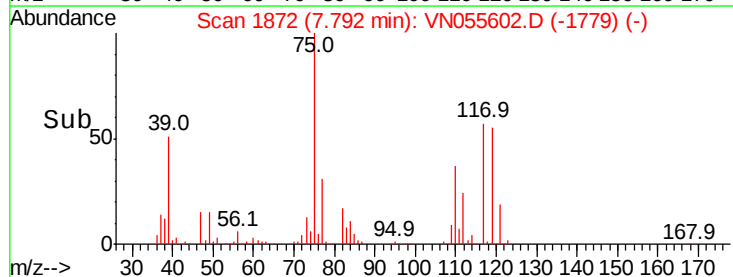
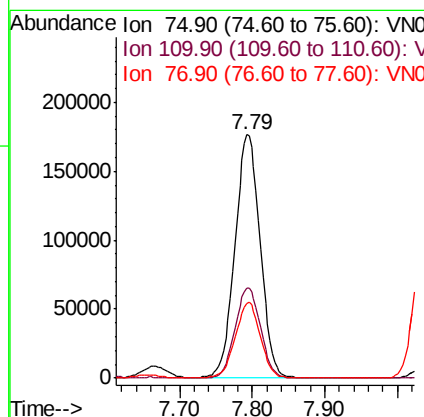
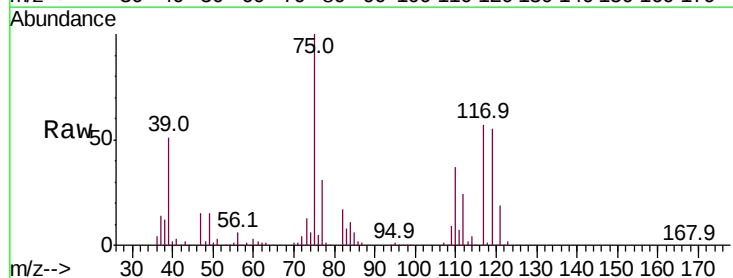
Manual Integrations
 APPROVED

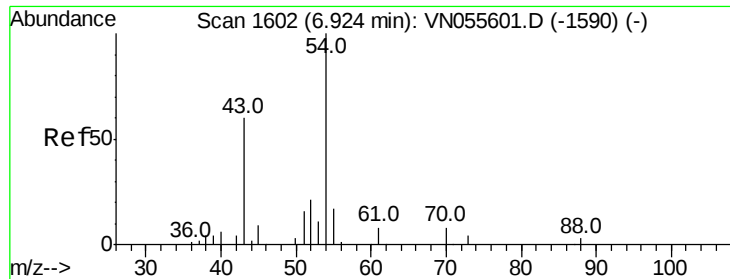
MMDadoda
 5/20/2019 9:10:07 AM



#36
 1,1-Dichloropropene
 Concen: 94.525 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.6
77	31.0	24.9	37.3





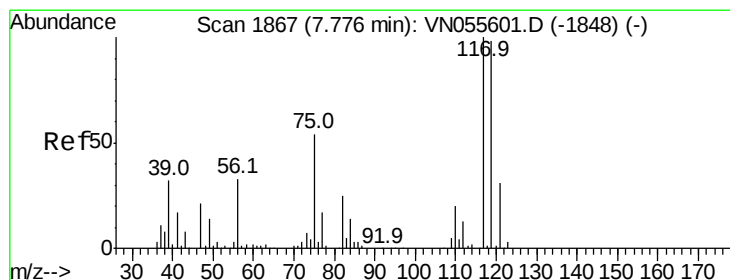
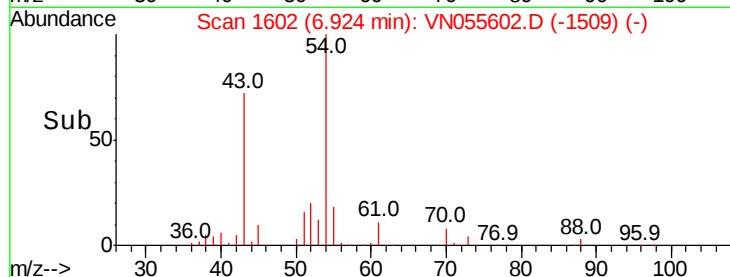
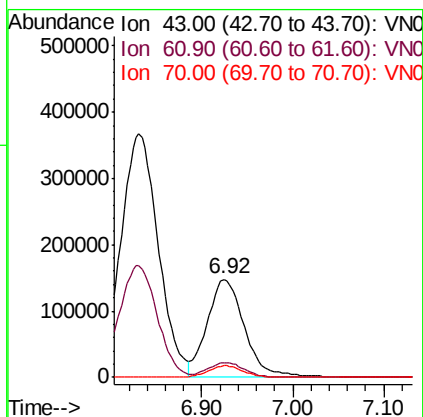
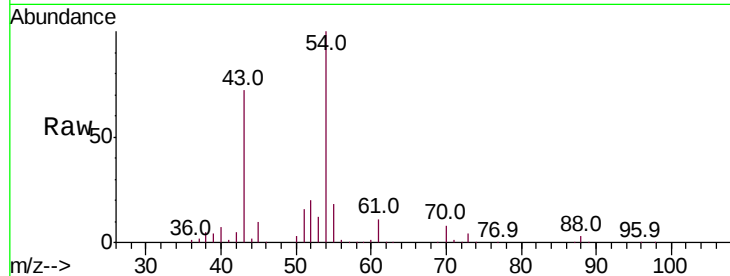
#37
Ethyl Acetate
Concen: 149.058 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.0
70	11.5	9.2	13.8

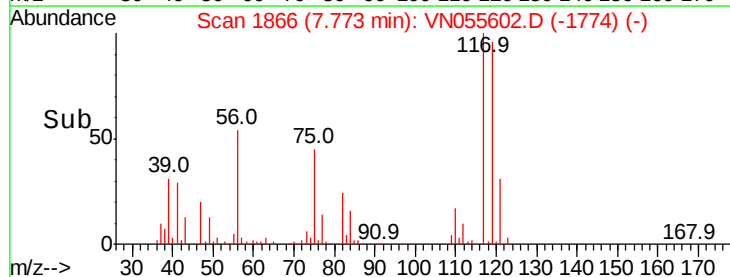
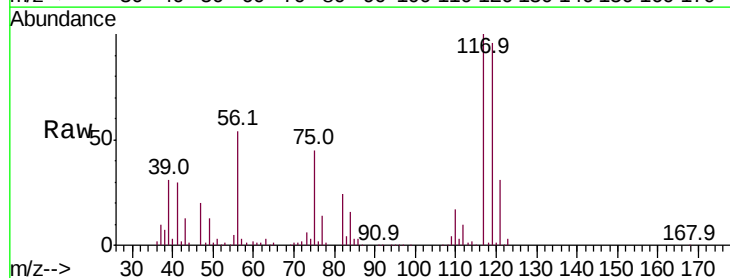
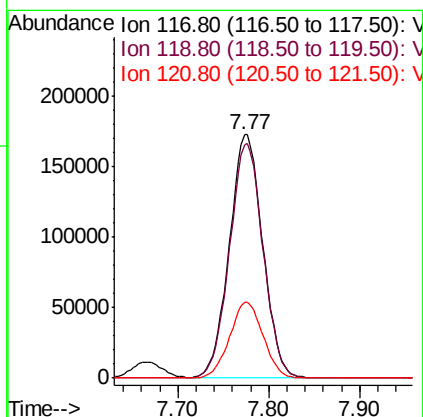
Manual Integrations
APPROVED

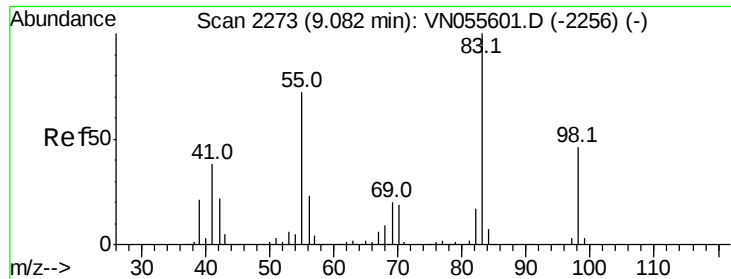
MMDadoda
5/20/2019 9:10:07 AM



#38
Carbon Tetrachloride
Concen: 90.464 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.8
121	31.0	24.6	37.0





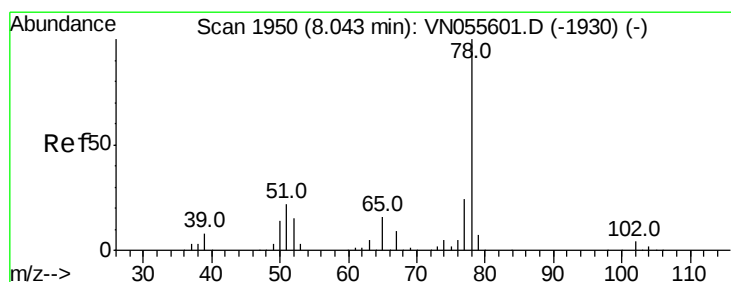
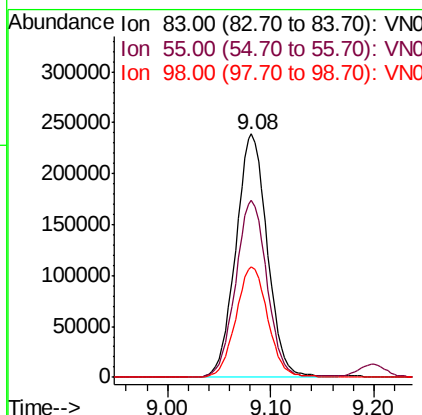
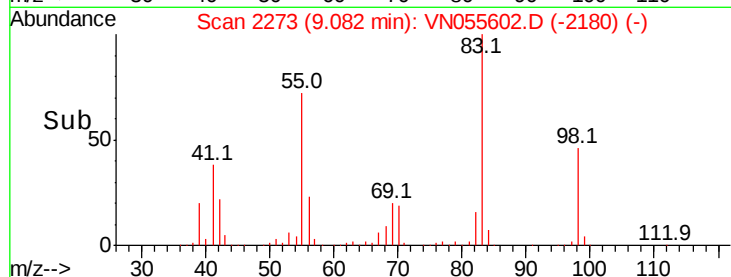
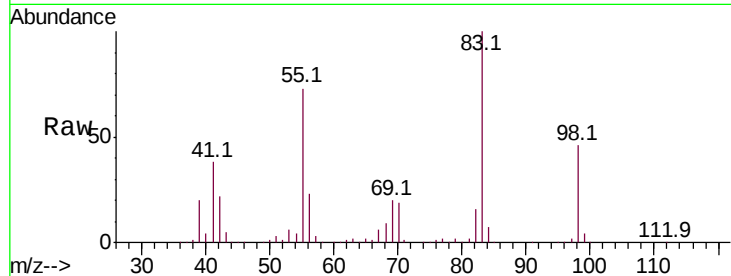
#39
Methvlcvclohexane
Concen: 97.849 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	508390
Ion Ratio	100	Lower	Upper
83	100		
55	72.4	57.8	86.6
98	45.6	36.7	55.1

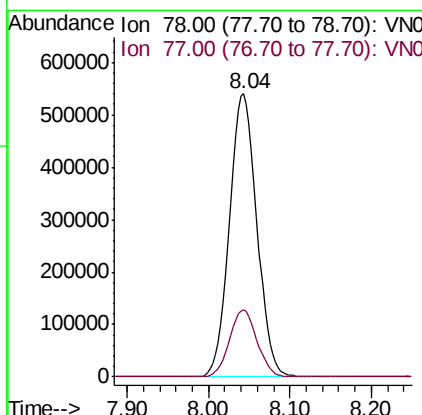
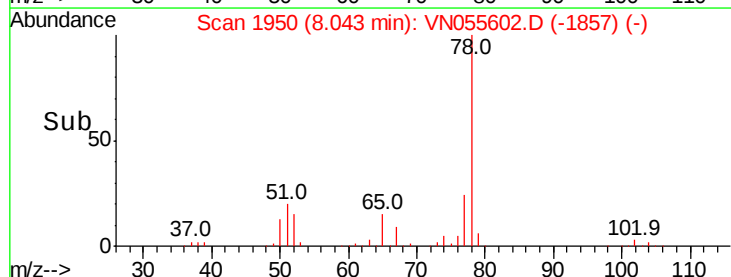
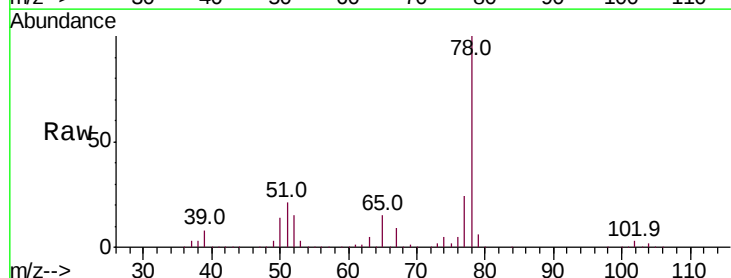
Manual Integrations
APPROVED

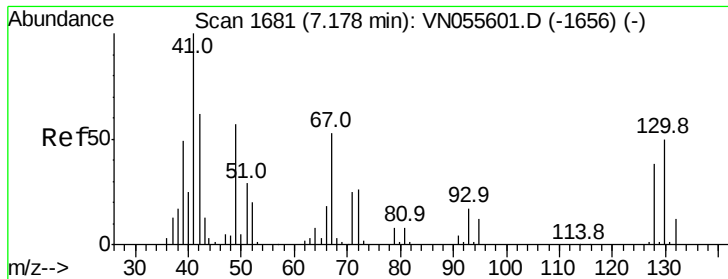
MMDadoda
5/20/2019 9:10:07 AM



#40
Benzene
Concen: 95.494 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	78	Resp	1271636
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 125.073 ug/l m

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN055602.D

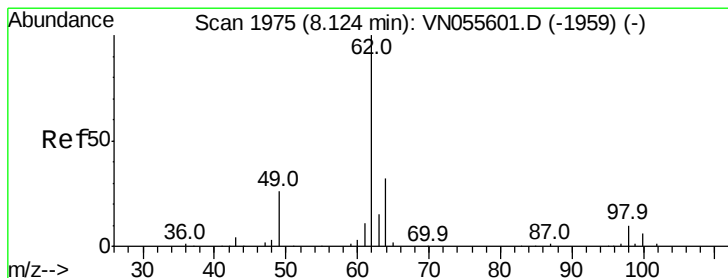
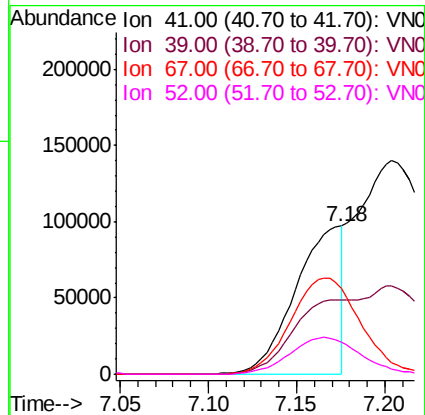
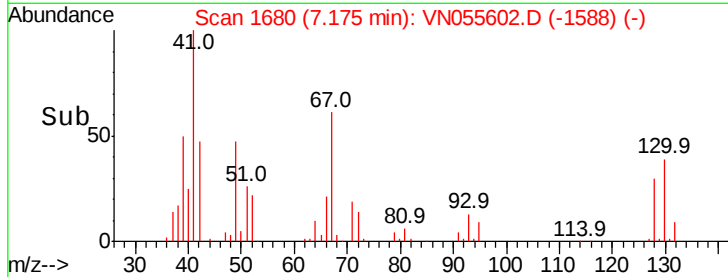
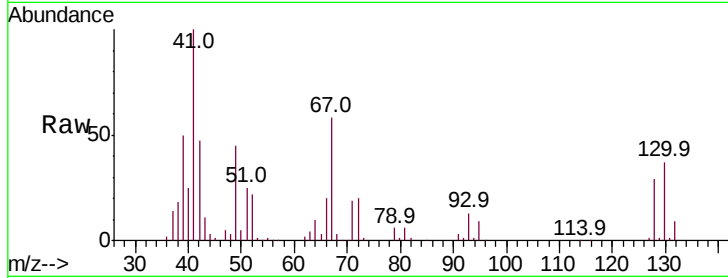
Acq: 17 May 2019 11:03

Tot Ion	41	Resp	177171
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

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#42

1,2-Dichloroethane

Concen: 104.087 ug/l

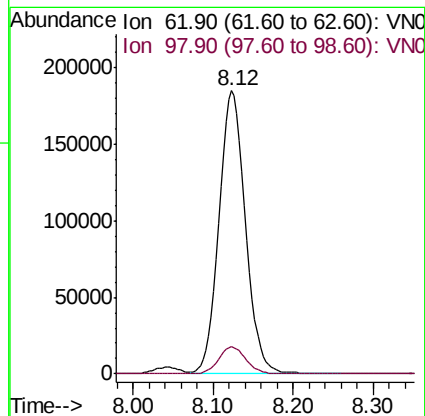
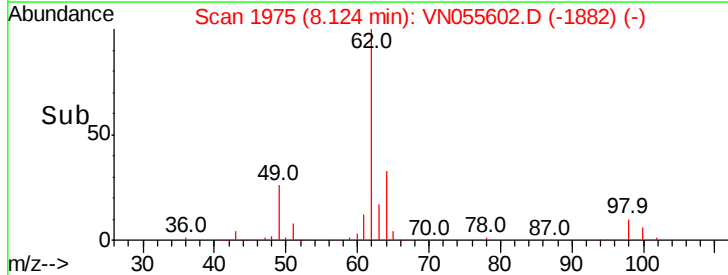
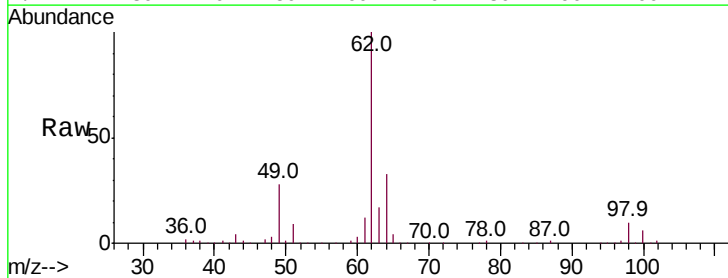
RT: 8.12 min Scan# 1975

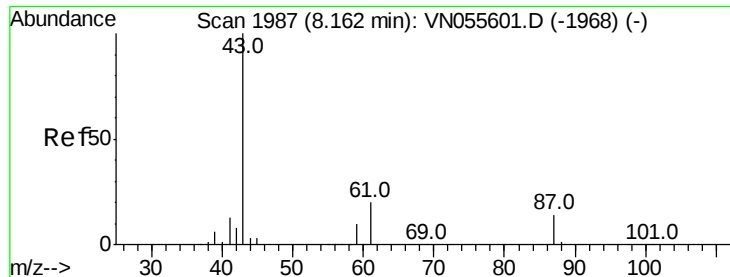
Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion	62	Resp	422408
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 136.312 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

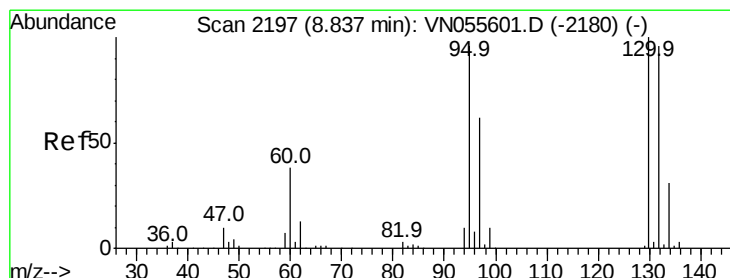
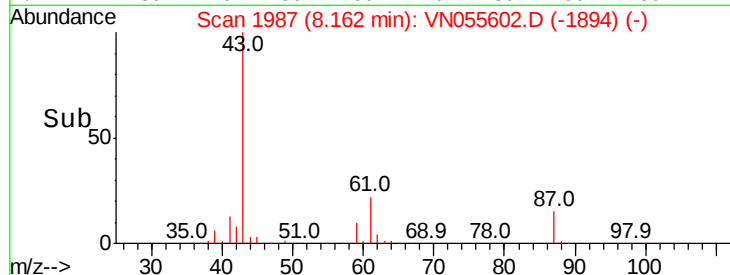
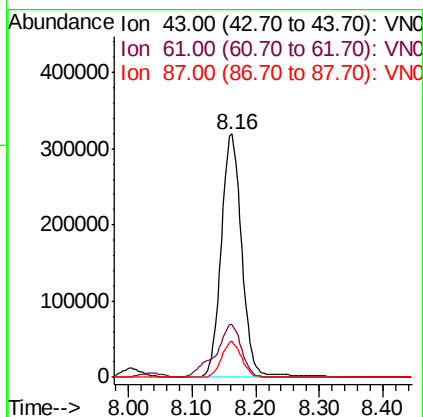
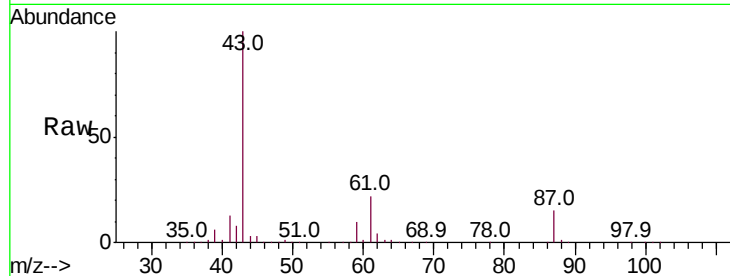
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	714738
Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.1	33.1
87	14.4	11.8	17.6

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#44

Trichloroethene

Concen: 97.645 ug/l

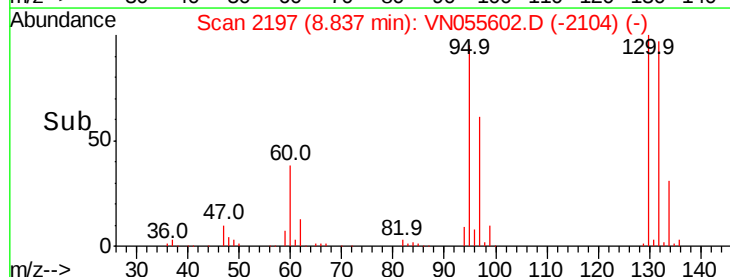
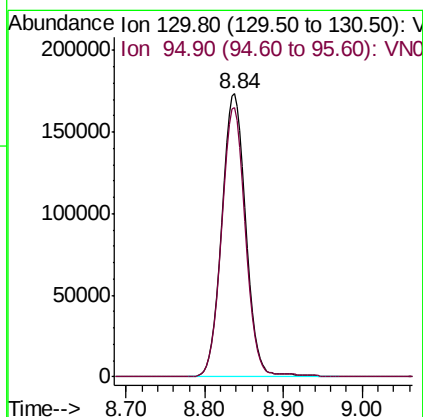
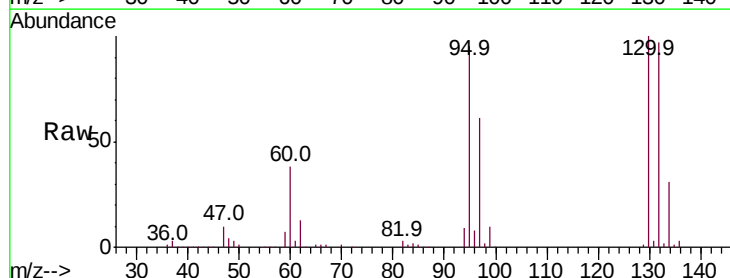
RT: 8.84 min Scan# 2197

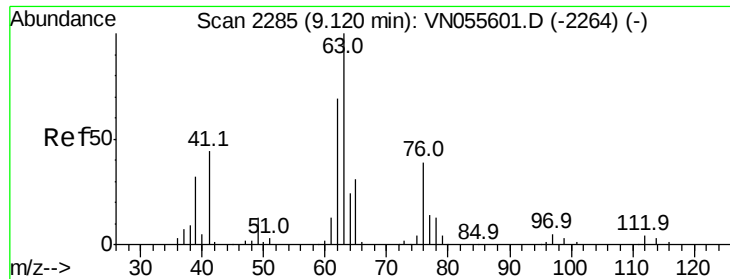
Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	130	Resp:	364480
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	191.0





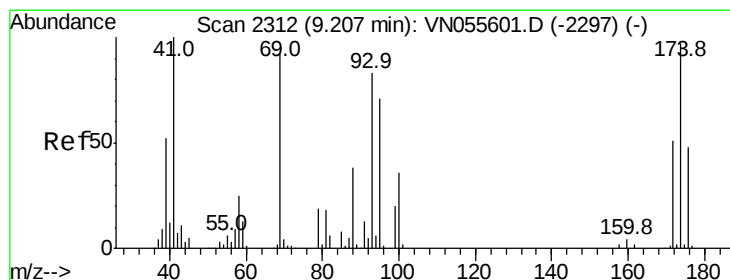
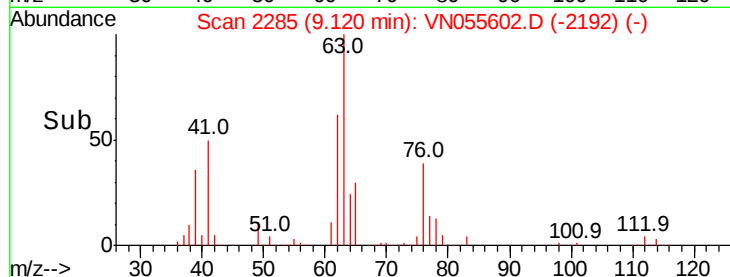
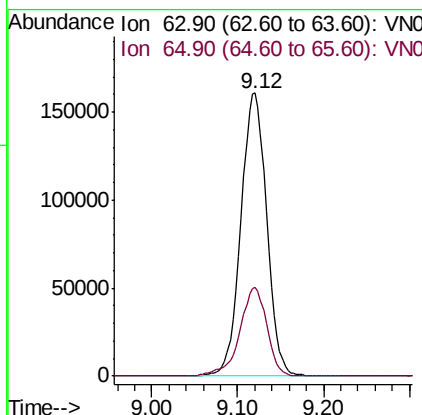
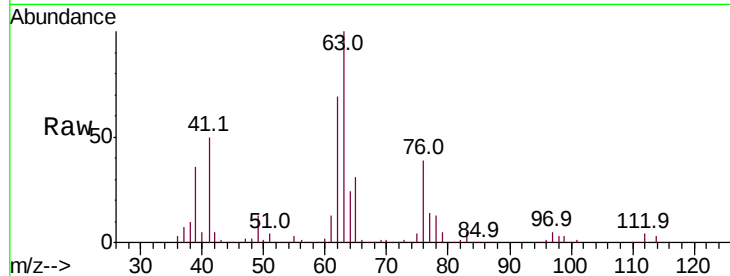
#45
 1,2-Dichloropropane
 Concen: 98.270 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.2	37.8

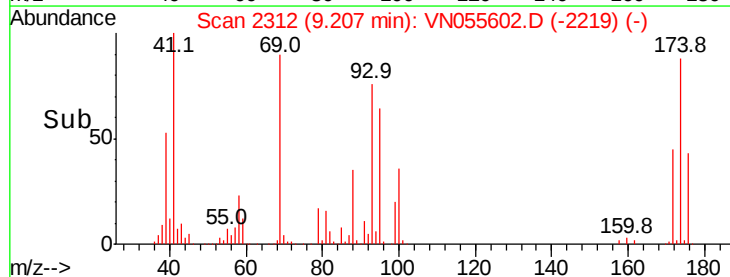
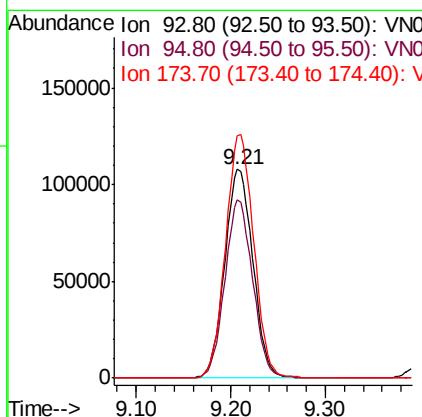
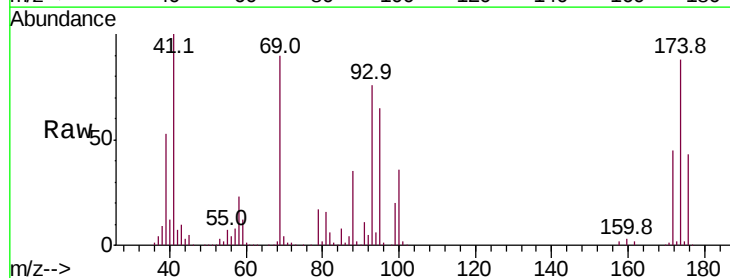
Manual Integrations
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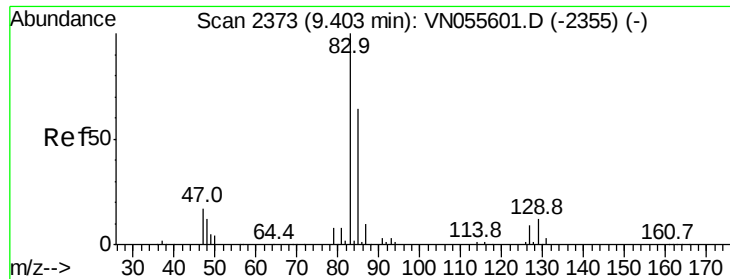
MMDadoda
 5/20/2019 9:10:07 AM



#46
 Dibromomethane
 Concen: 107.484 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.9	101.9
174	116.2	93.8	140.6





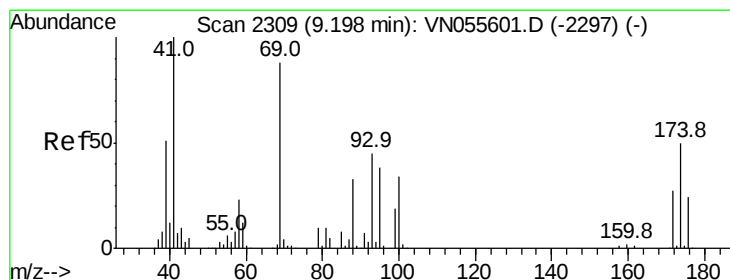
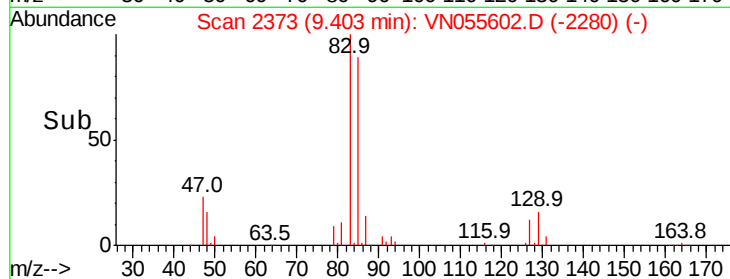
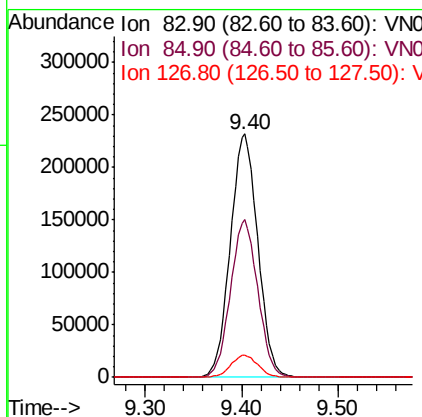
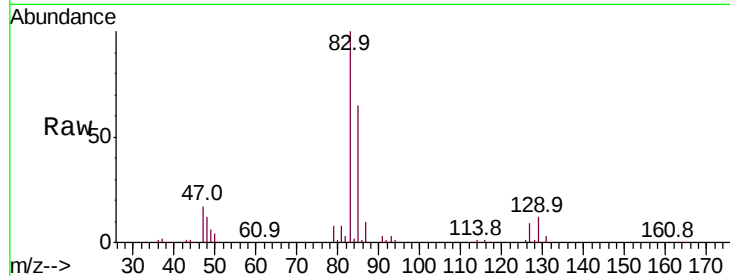
#47
Bromodichloromethane
Concen: 104.287 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	457020		
85	64.6		51.4	77.0
127	9.0		7.1	10.7

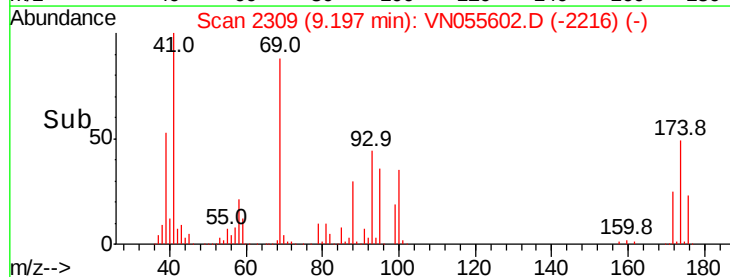
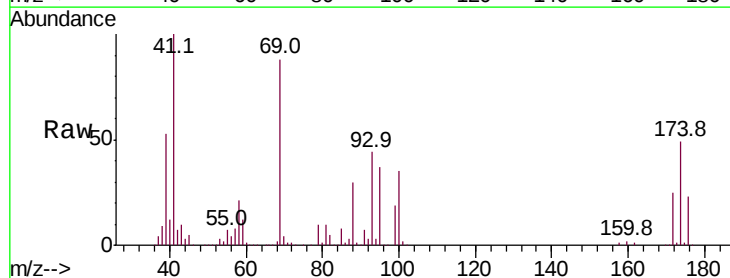
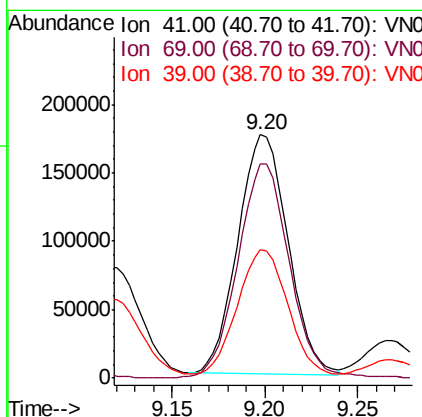
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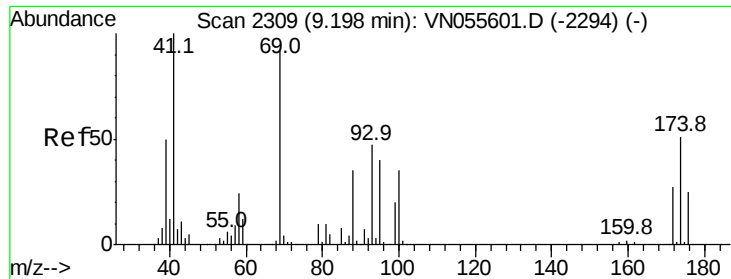
MMDadoda
5/20/2019 9:10:07 AM



#48
Methyl methacrylate
Concen: 146.048 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	329661		
69	92.1		74.2	111.2
39	55.2		43.8	65.8





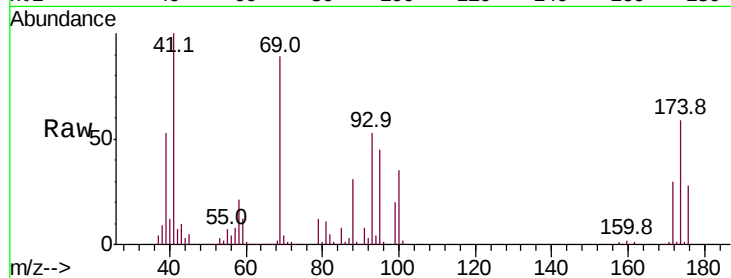
#49
1,4-Dioxane
Concen: 3448.513 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	22.4	33.6
58	66.6	53.4	80.2

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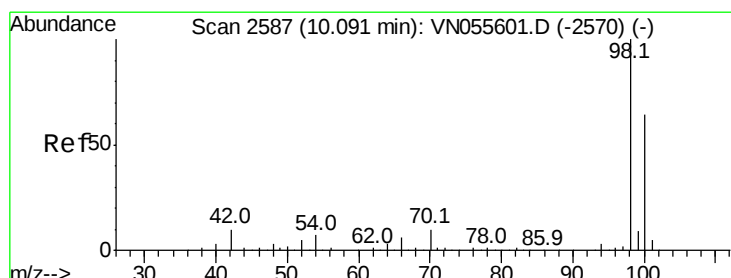
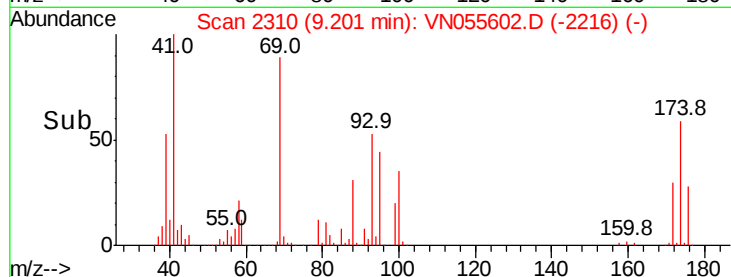
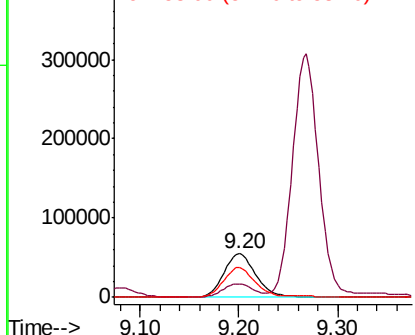


Abundance

Ion 88.00 (87.70 to 88.70): VN0

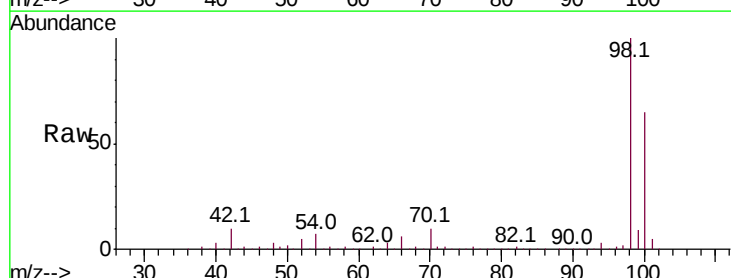
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 102.004 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

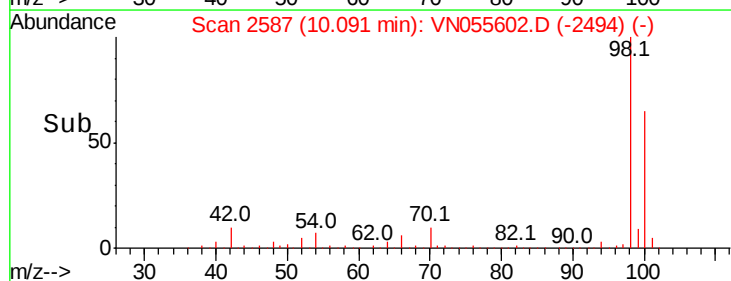
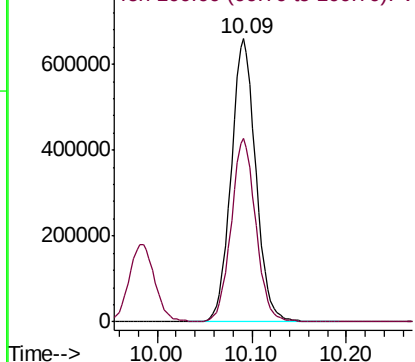
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9

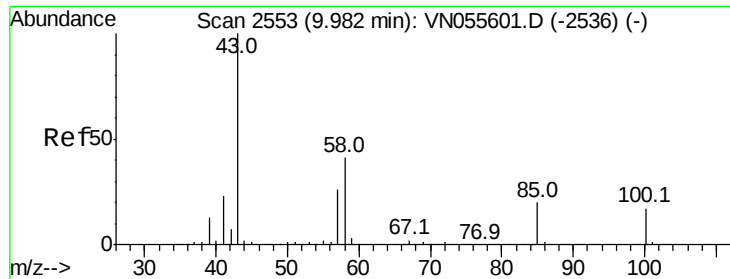


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 827.561 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 2068618

Ion Ratio Lower Upper

43 100

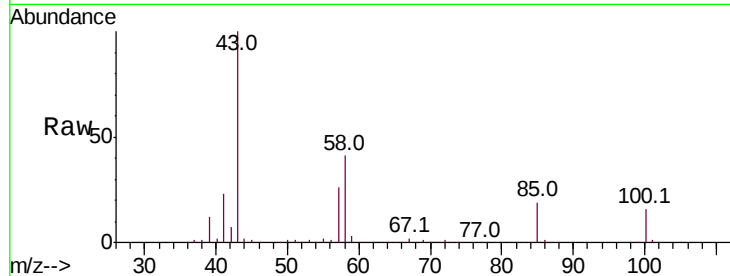
58 40.9 32.7 49.1

Manual Integrations

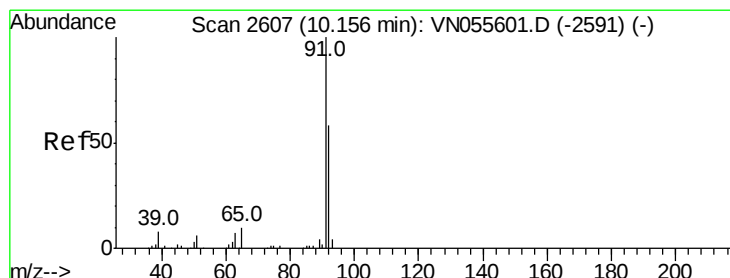
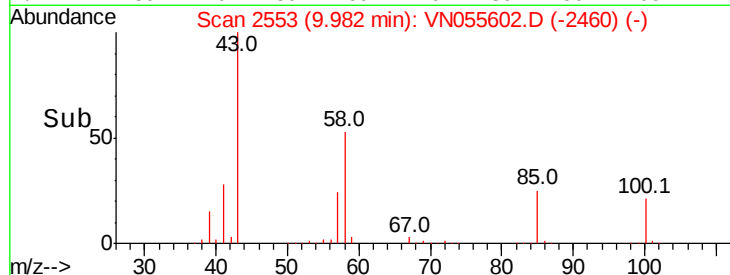
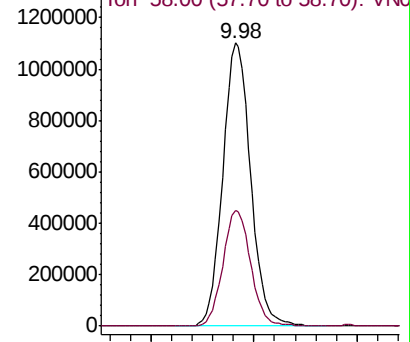
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Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)



#52

Toluene

Concen: 103.355 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055602.D

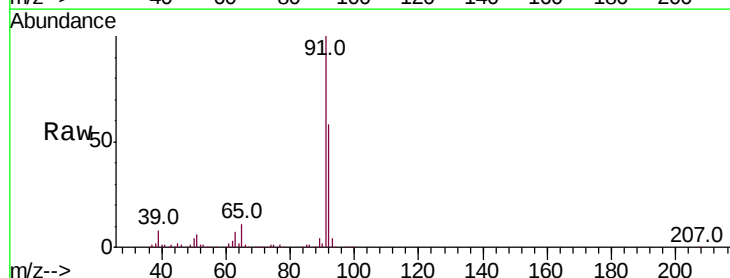
Acq: 17 May 2019 11:03

Tgt Ion: 92 Resp: 813569

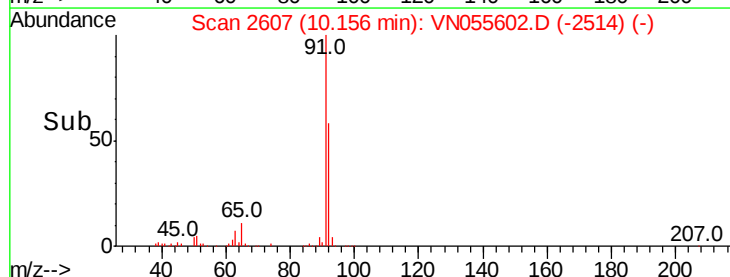
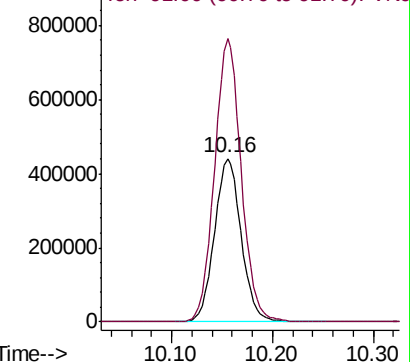
Ion Ratio Lower Upper

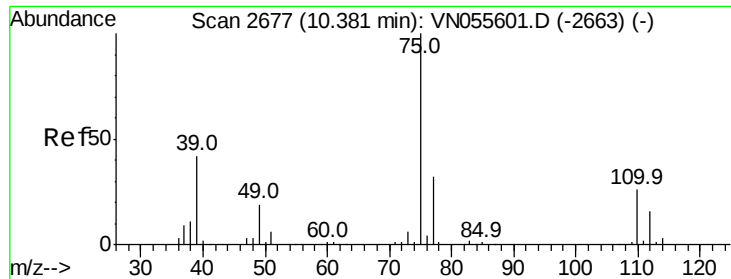
92 100

91 173.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)





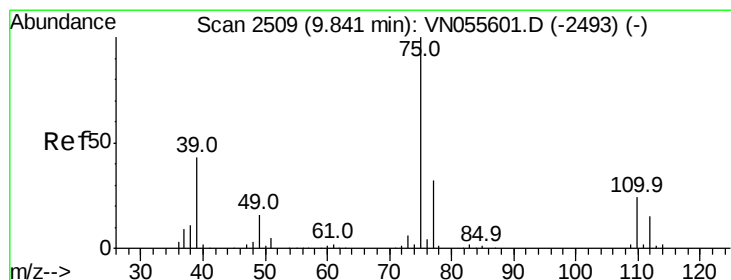
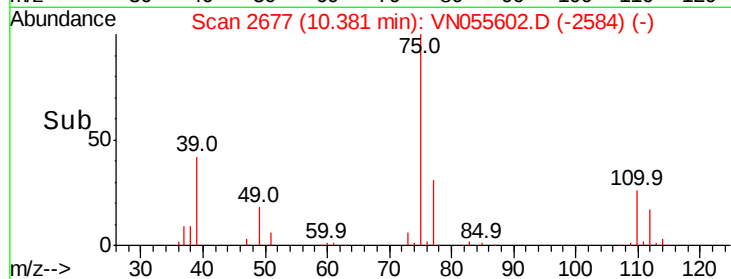
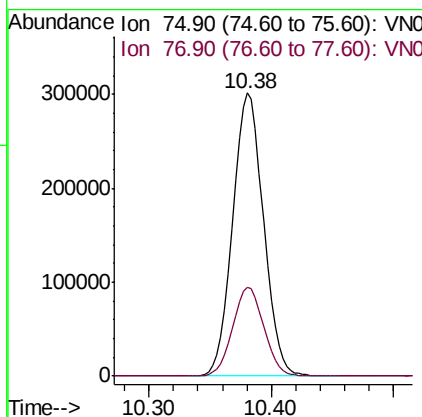
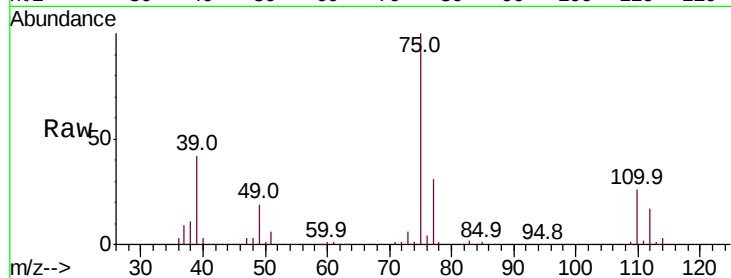
#53
t-1,3-Dichloropropene
Concen: 122.155 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 528147
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

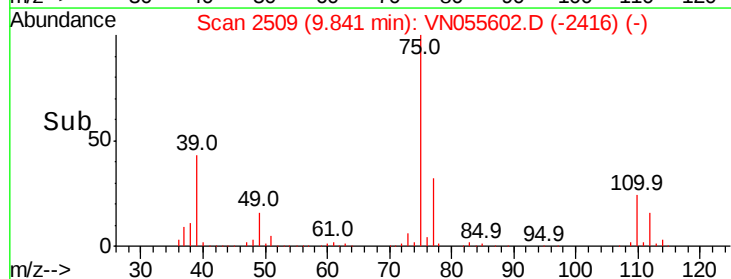
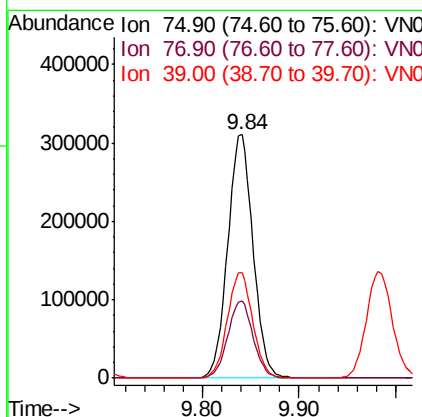
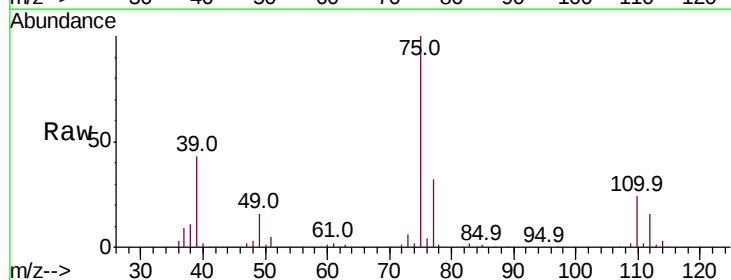
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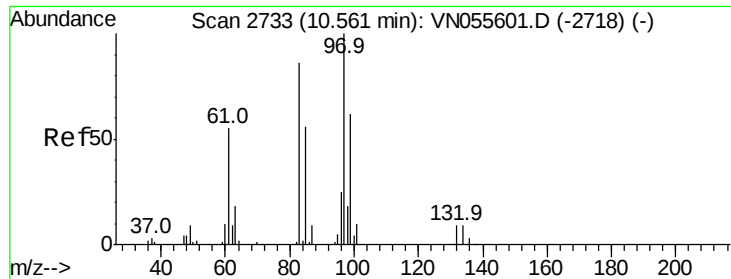
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#54
cis-1,3-Dichloropropene
Concen: 113.029 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion: 75 Resp: 563634
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 43.1 34.7 52.1





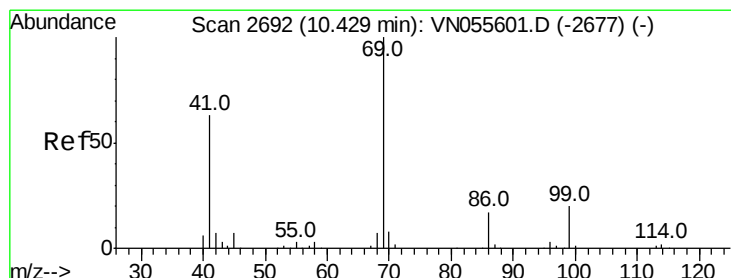
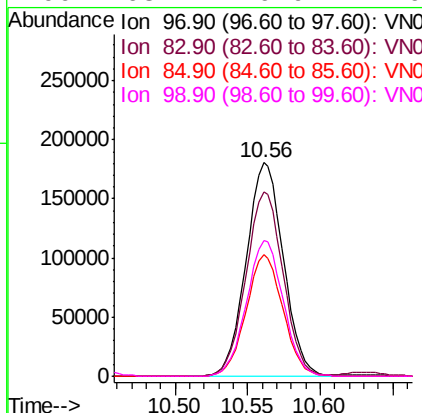
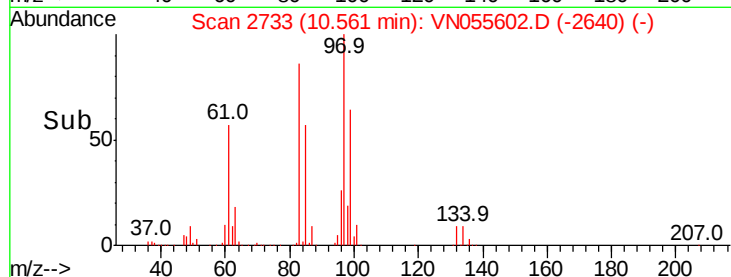
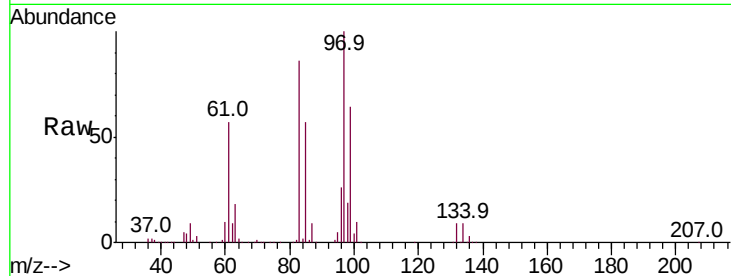
#55
 1,1,2-Trichloroethane
 Concen: 109.908 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		323044		
83	86.3	68.4	102.6		
85	56.7	44.8	67.2		
99	63.7	49.9	74.9		

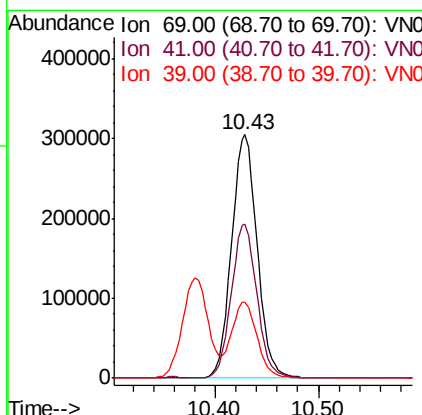
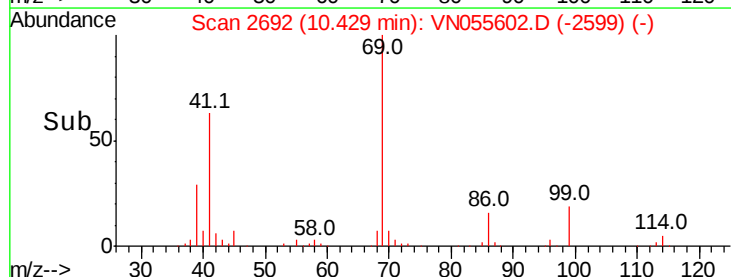
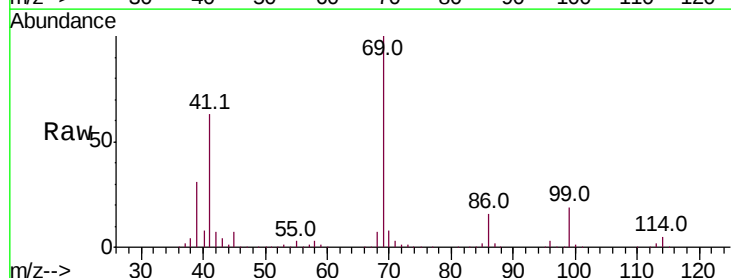
Manual Integrations
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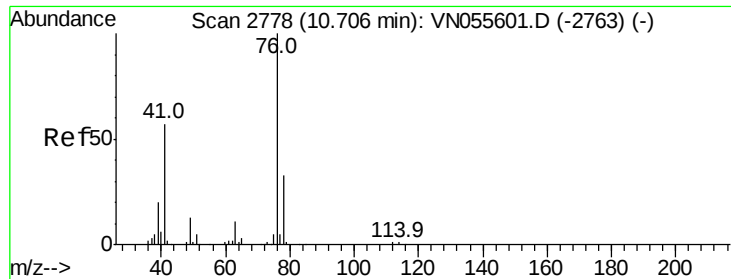
MMDadoda
 5/20/2019 9:10:07 AM



#56
 Ethyl methacrylate
 Concen: 150.251 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		528061		
41	62.8	50.3	75.5		
39	30.9	25.4	38.2		





#57

1,3-Dichloropropane

Concen: 110.540 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 538145

Ion Ratio Lower Upper

76 100

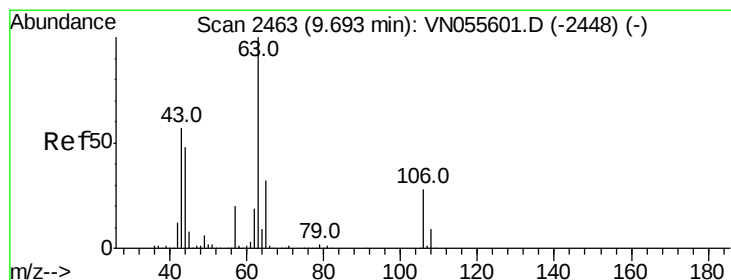
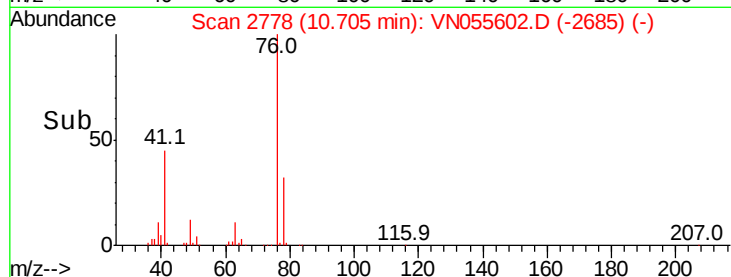
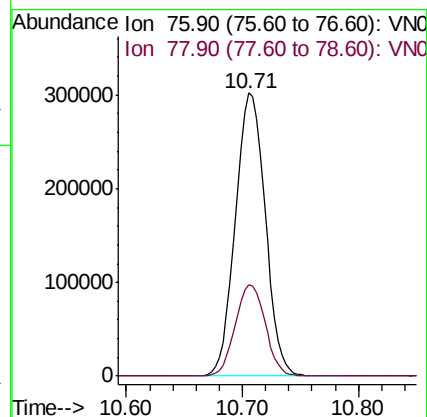
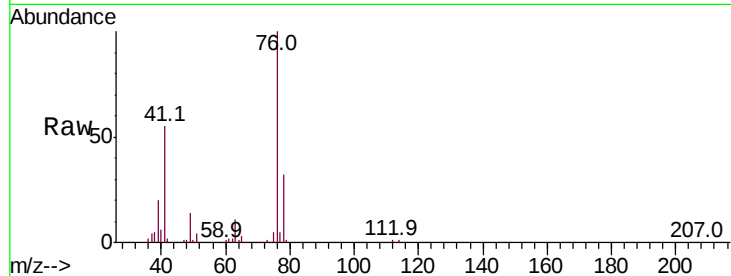
78 32.5 26.5 39.7

Manual Integrations

APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 777.363 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055602.D

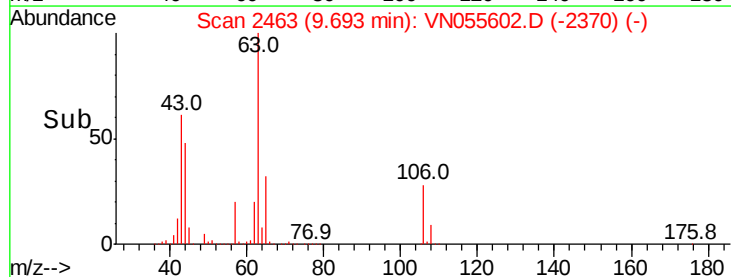
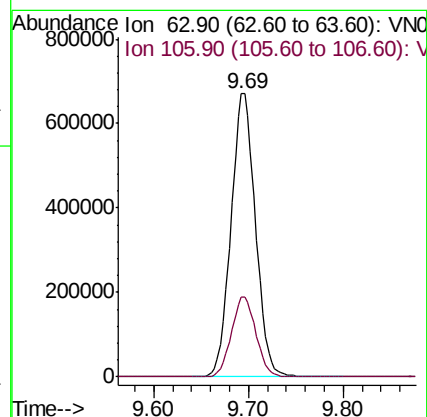
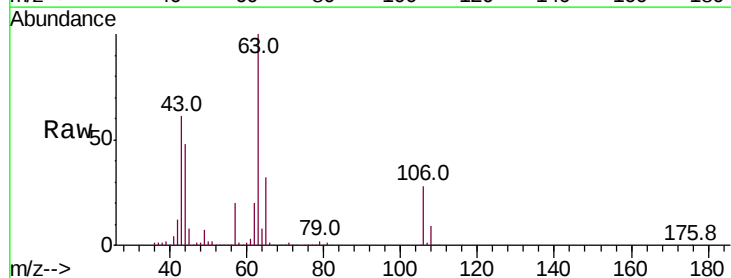
Acq: 17 May 2019 11:03

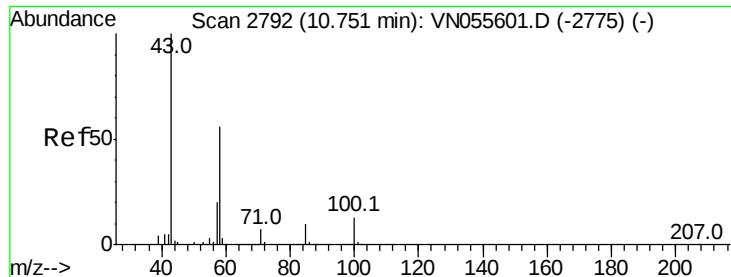
Tgt Ion: 63 Resp: 1203119

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





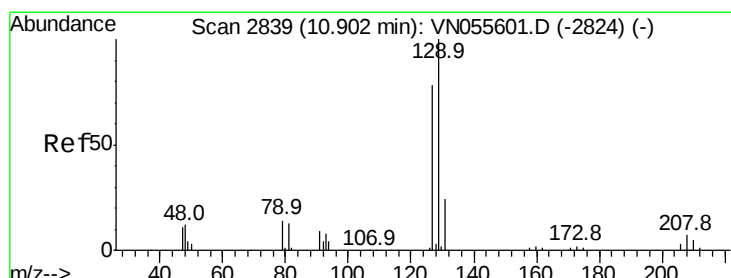
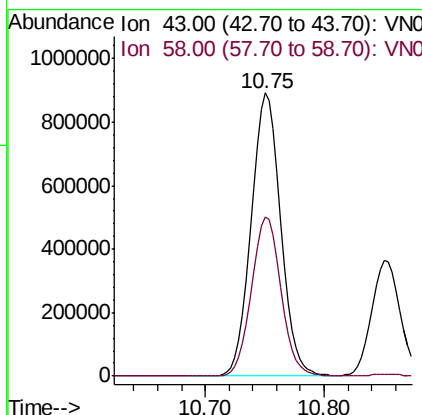
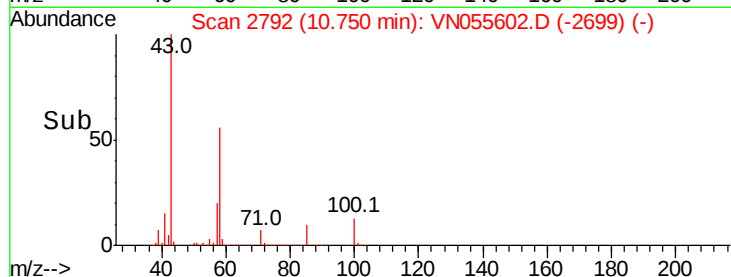
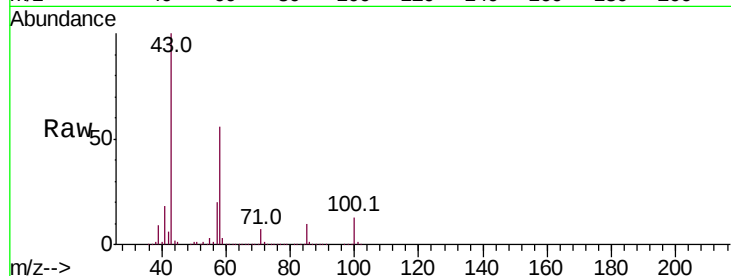
#59
2-Hexanone
Concen: 891.377 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1531313
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.4

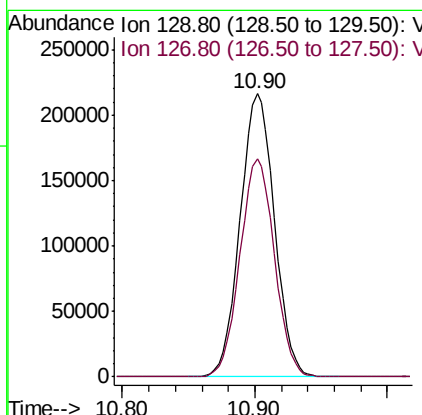
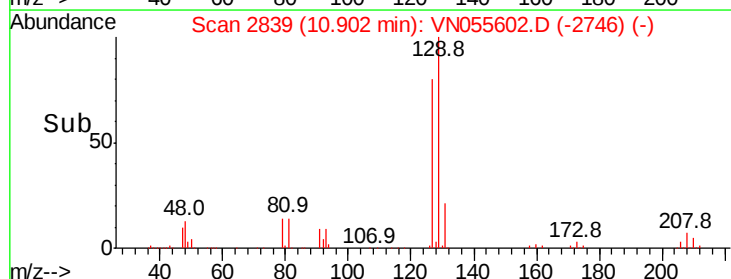
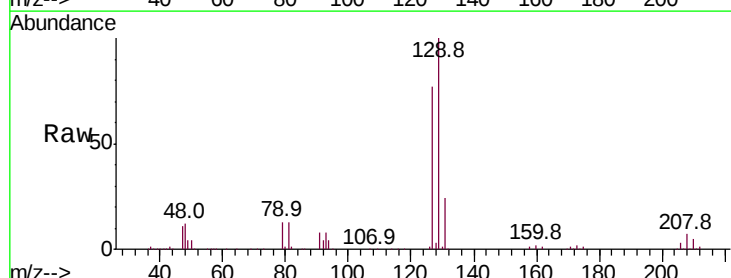
Manual Integrations
APPROVED

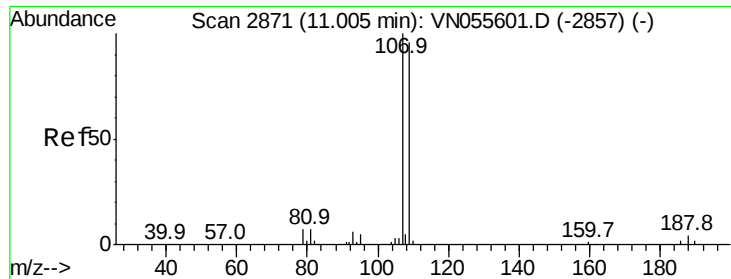
MMDadoda
5/20/2019 9:10:07 AM



#60
Dibromochloromethane
Concen: 113.967 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion: 129 Resp: 388214
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





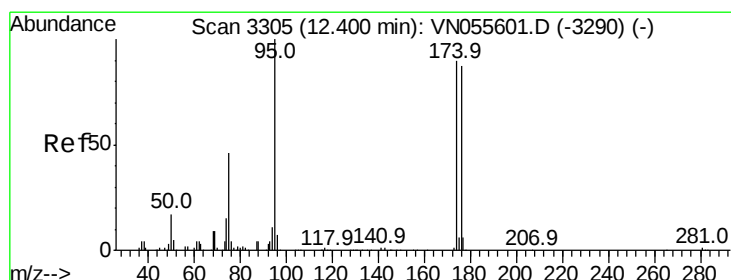
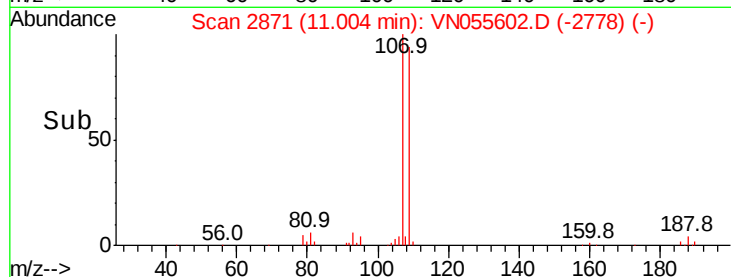
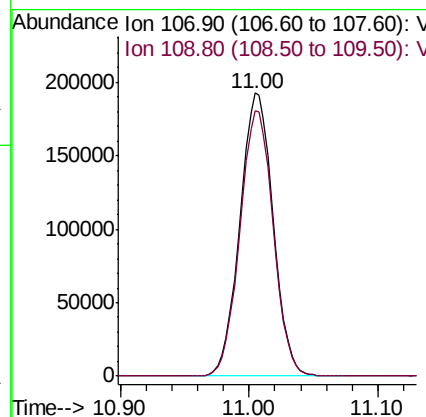
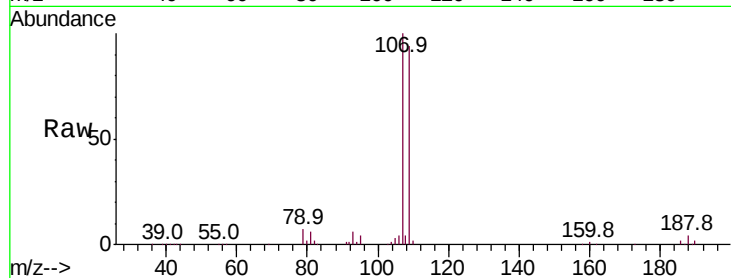
#61
 1,2-Dibromoethane
 Concen: 117.548 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.6	113.4

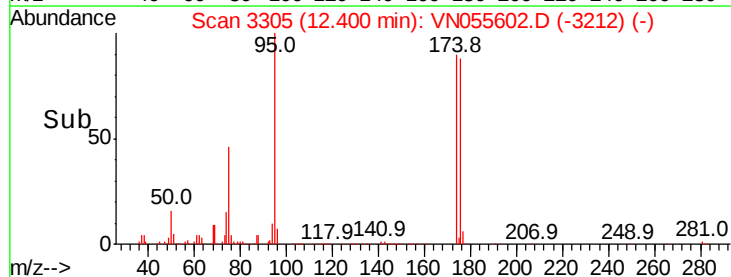
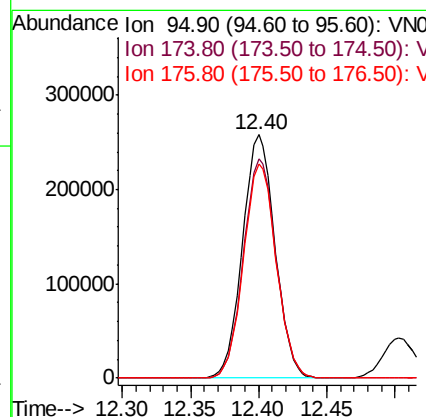
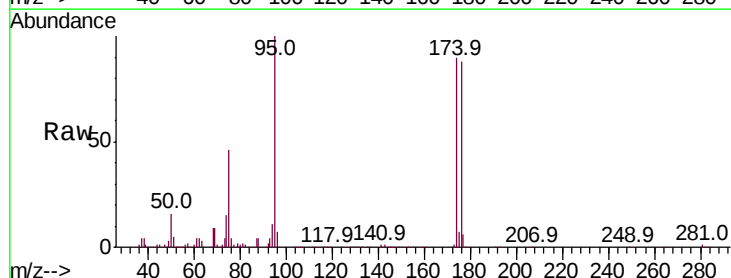
Manual Integrations
 APPROVED

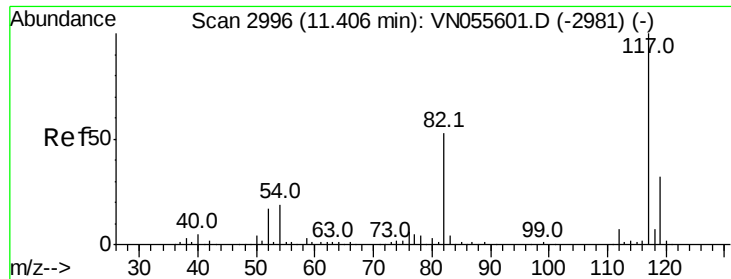
MMDadoda
 5/20/2019 9:10:07 AM



#62
 4-Bromofluorobenzene
 Concen: 110.497 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	180.6
176	88.6	0.0	177.4





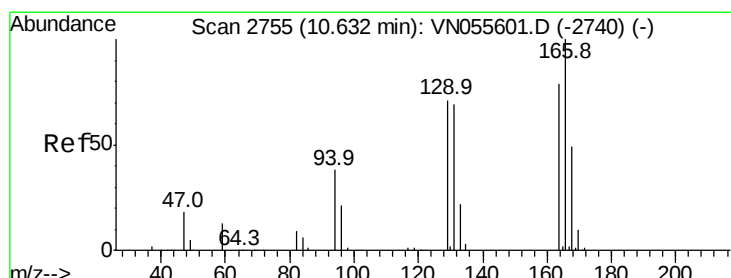
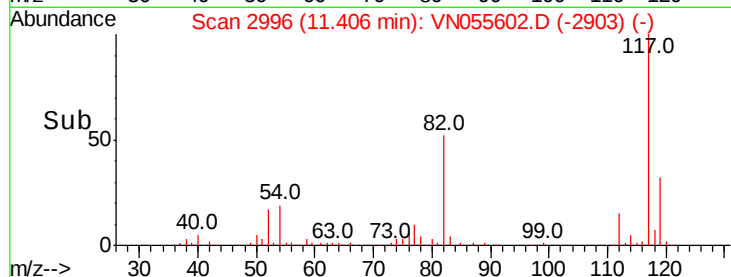
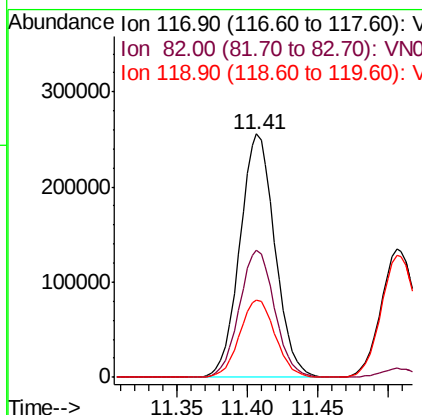
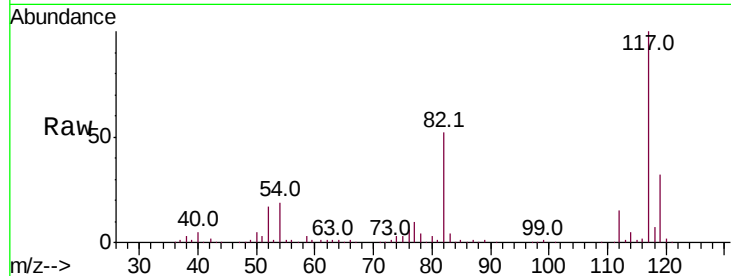
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.3	63.5
119	32.0	25.4	38.2

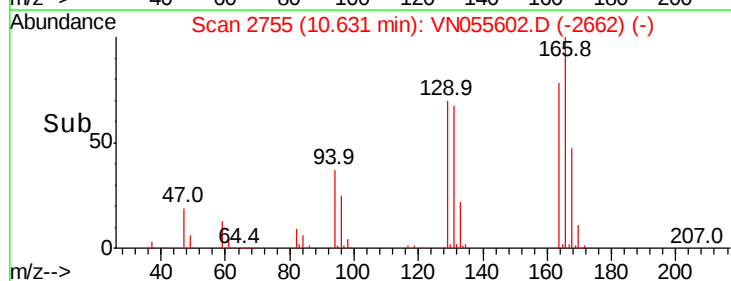
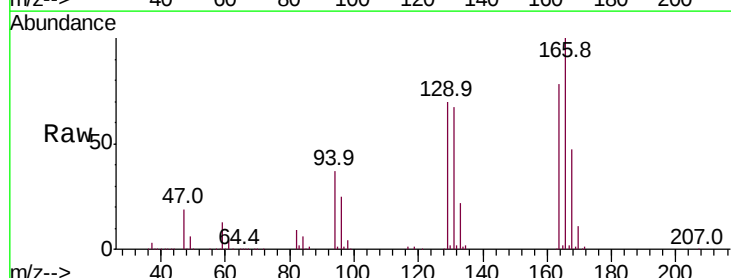
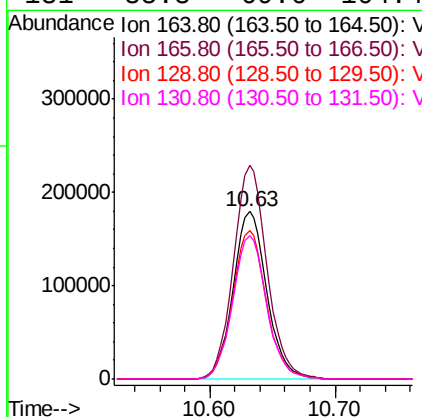
Manual Integrations
APPROVED

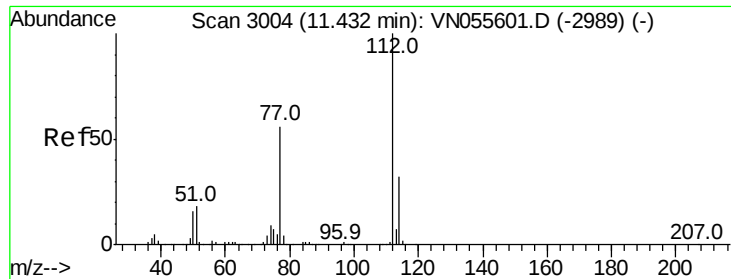
MMDadoda
5/20/2019 9:10:07 AM



#64
Tetrachloroethene
Concen: 85.394 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.0	151.6
129	89.0	71.7	107.5
131	85.8	69.6	104.4





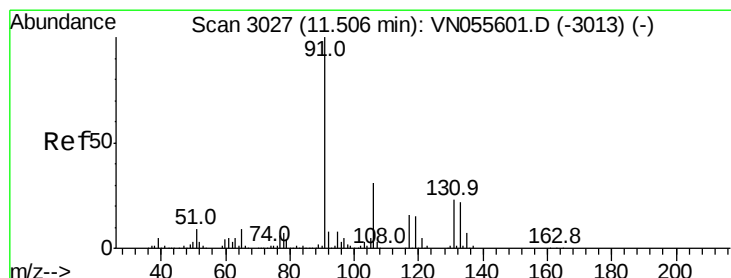
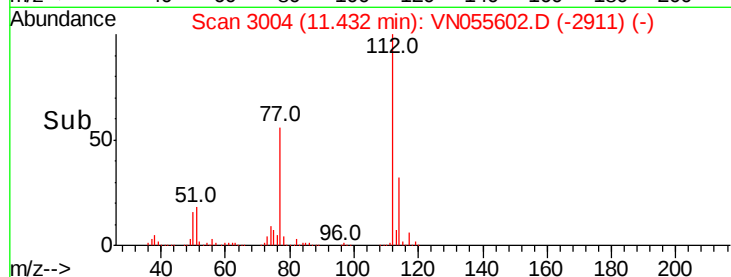
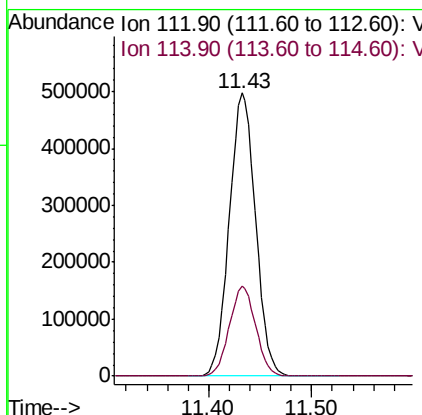
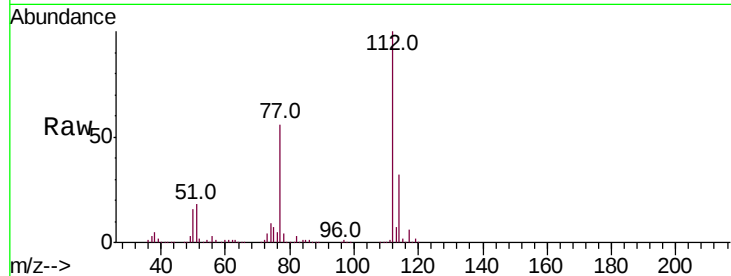
#65
Chlorobenzene
Concen: 94.832 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 881990
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

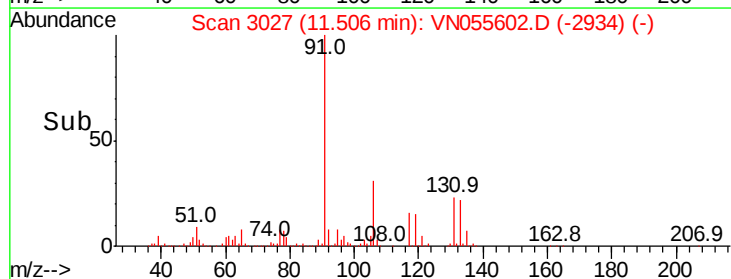
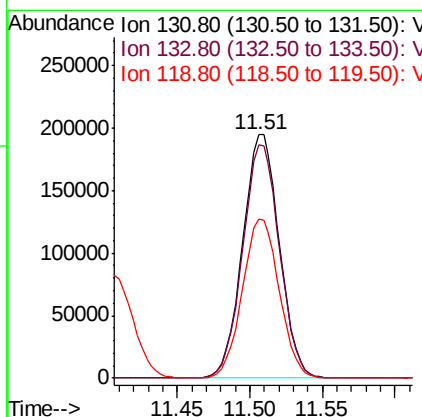
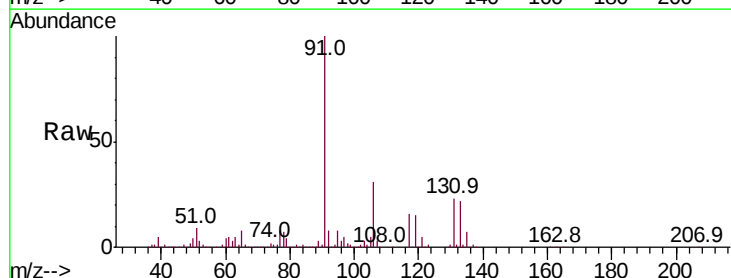
Manual Integrations
APPROVED

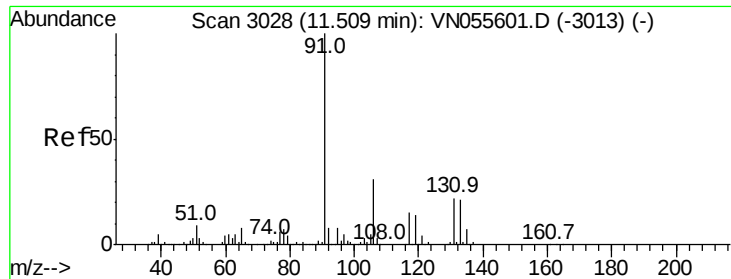
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 100.185 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion:131 Resp: 343134
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.4
119 65.7 33.3 99.8





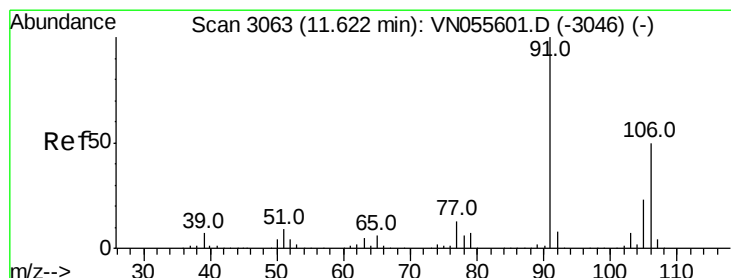
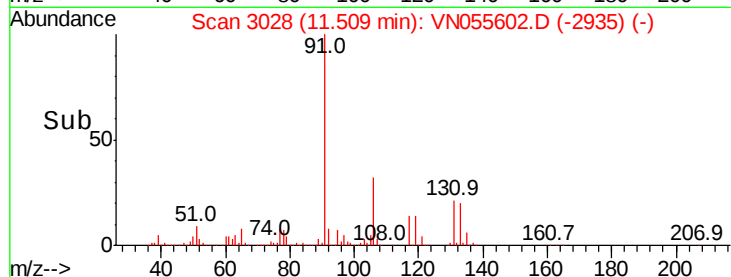
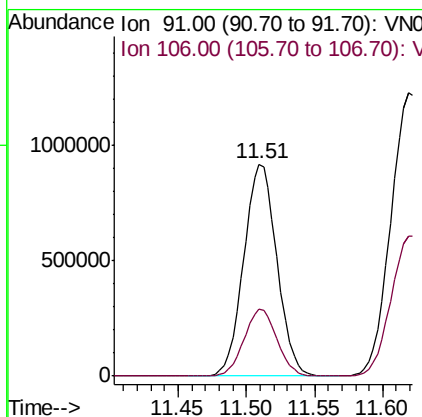
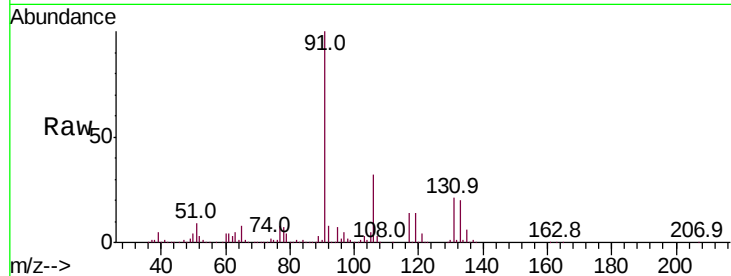
#67
Ethyl Benzene
Concen: 102.090 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1548336
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

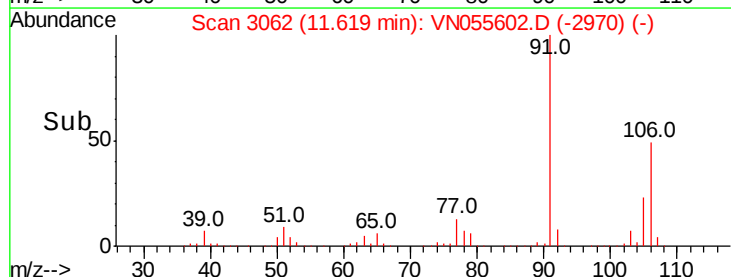
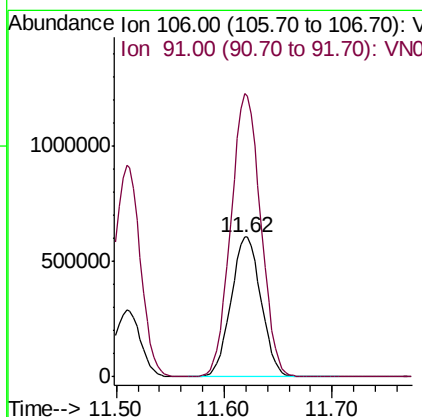
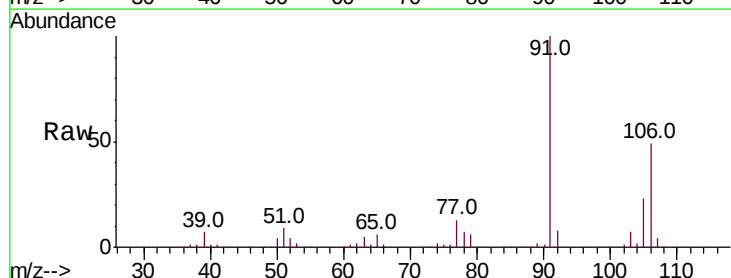
Manual Integrations
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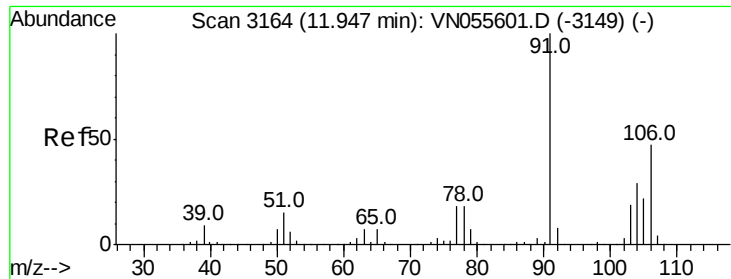
MMDadoda
5/20/2019 9:10:07 AM



#68
m/p-Xylenes
Concen: 201.713 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion: 106 Resp: 1176832
Ion Ratio Lower Upper
106 100
91 201.2 160.5 240.7





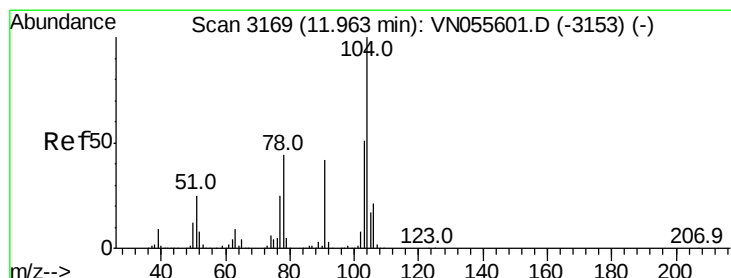
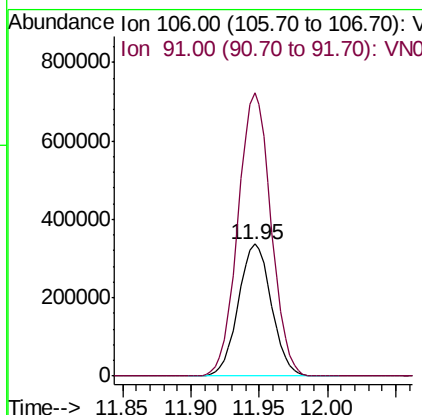
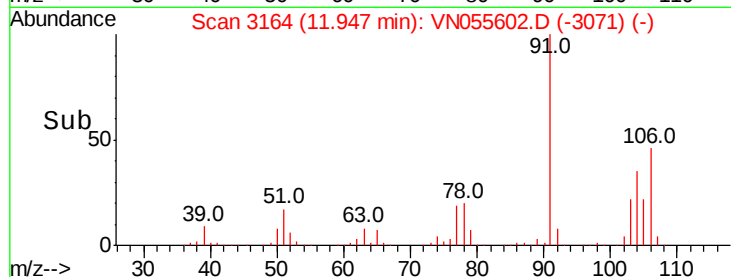
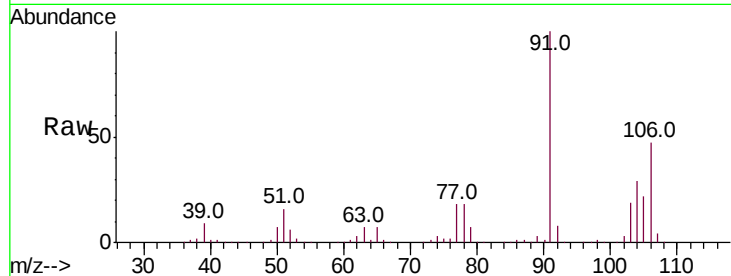
#69
o-Xylene
Concen: 100.707 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 566800
Ion Ratio Lower Upper
106 100
91 214.2 106.7 320.2

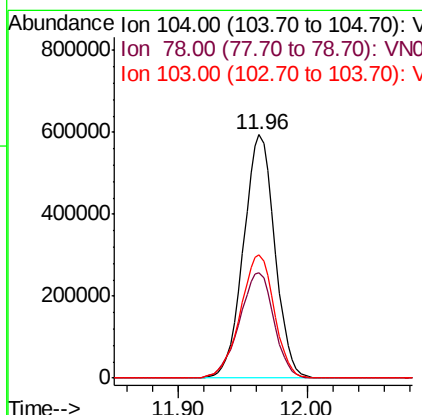
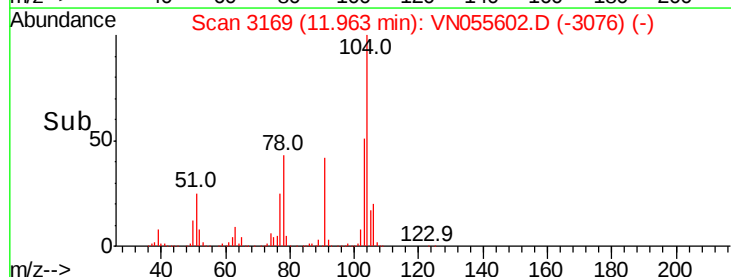
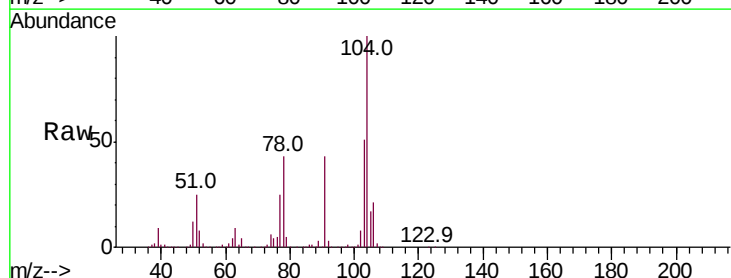
Manual Integrations
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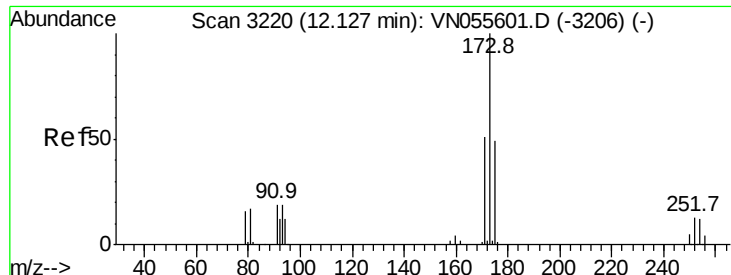
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#70
Styrene
Concen: 112.419 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion:104 Resp: 1002256
Ion Ratio Lower Upper
104 100
78 47.8 38.6 58.0
103 55.0 44.4 66.6





#71

Bromoform

Concen: 123.776 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 313064

Ion Ratio Lower Upper

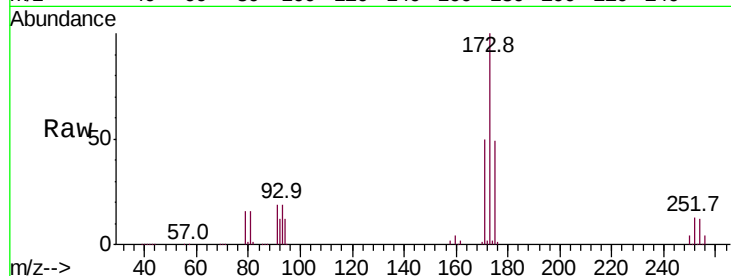
173 100

175 48.5 24.3 72.9

254 0.1 0.1 0.1#

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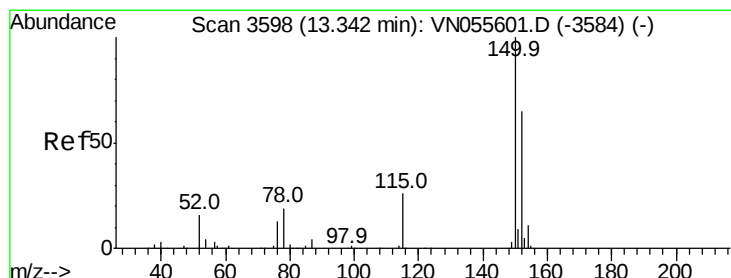
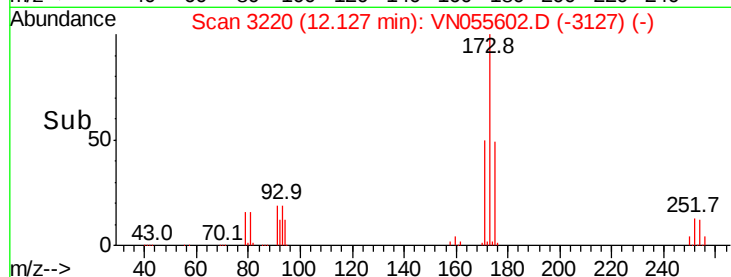
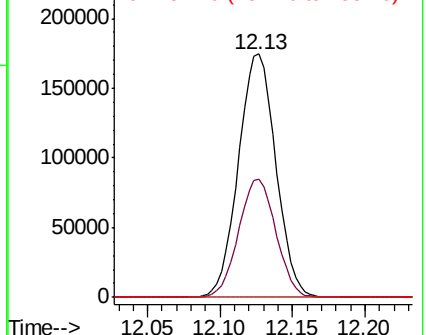
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

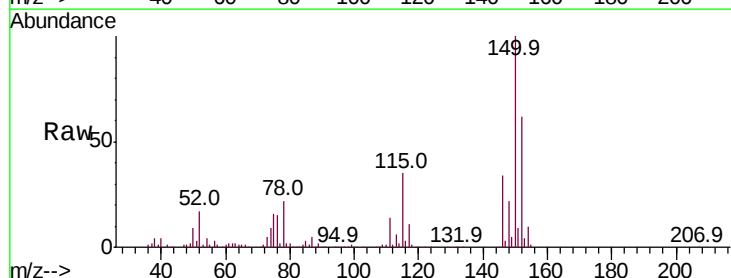
Tgt Ion:152 Resp: 215466

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.2

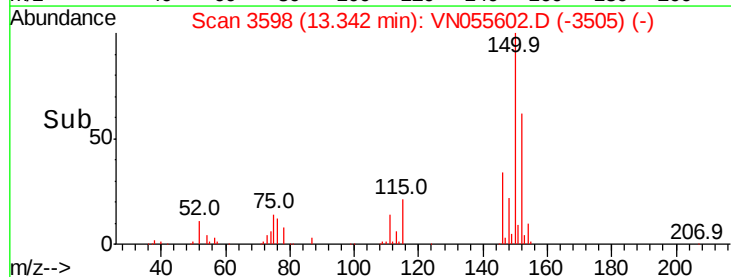
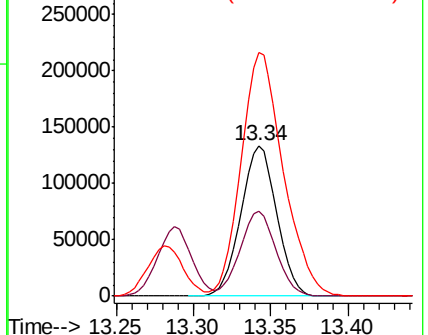
150 190.0 0.0 348.0

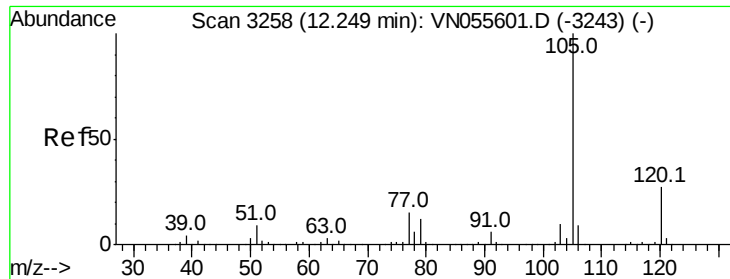


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 97.709 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1491434

Ion Ratio Lower Upper

105 100

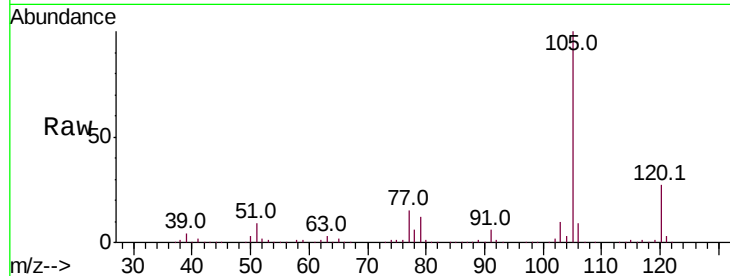
120 27.1 13.4 40.2

Manual Integrations

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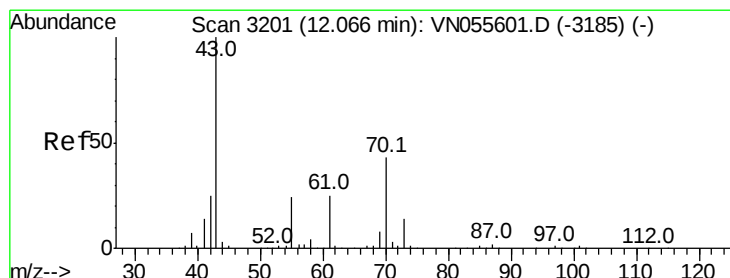
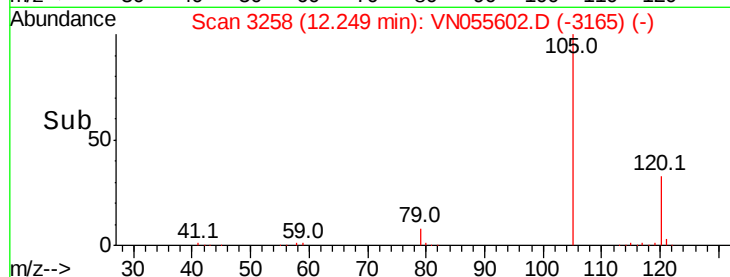
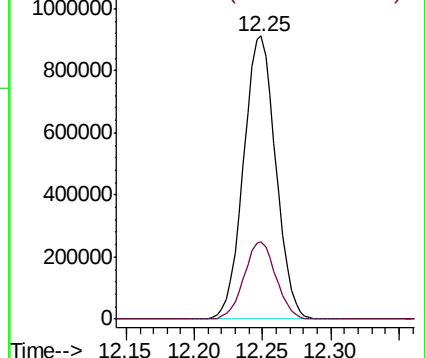
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 156.665 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion: 43 Resp: 610476

Ion Ratio Lower Upper

43 100

70 44.1 35.0 52.6

55 23.3 18.9 28.3

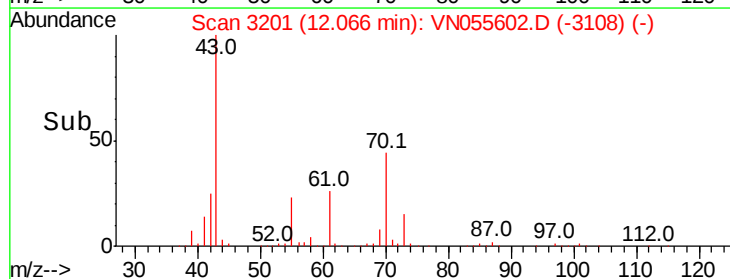
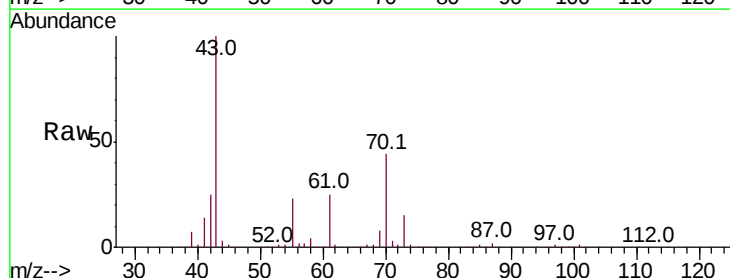
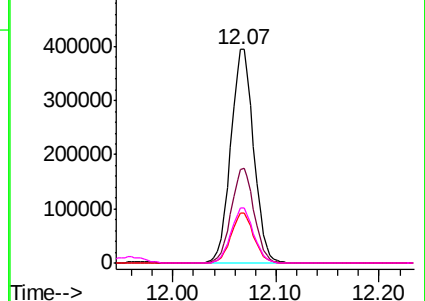
61 25.4 20.1 30.1

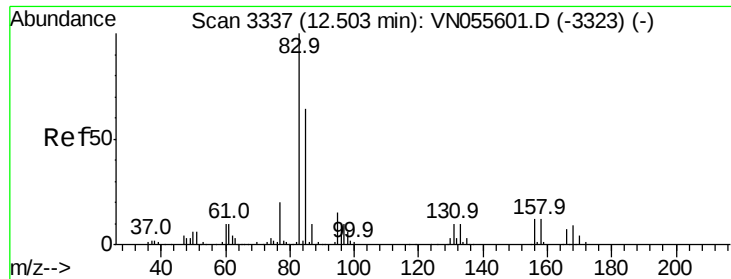
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 123.192 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

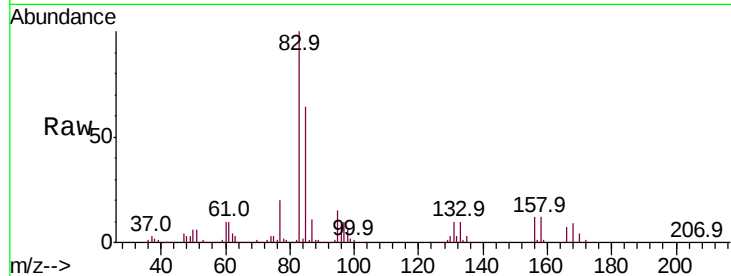
ClientSampleId :

VSTDIC100

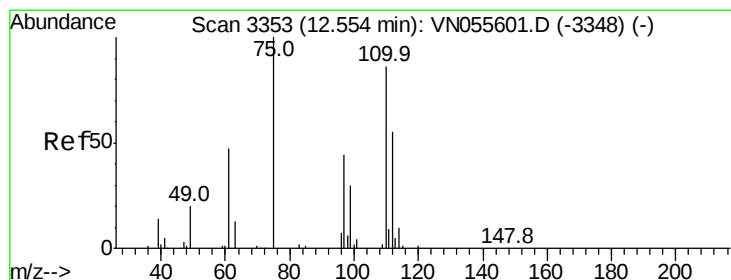
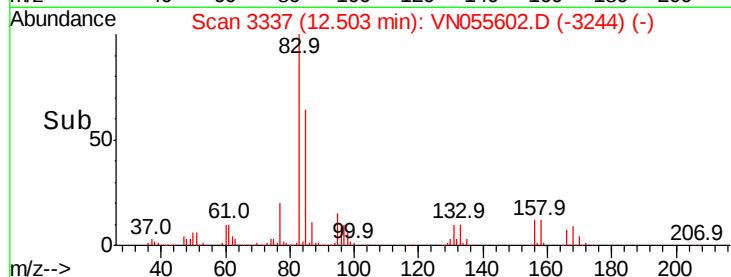
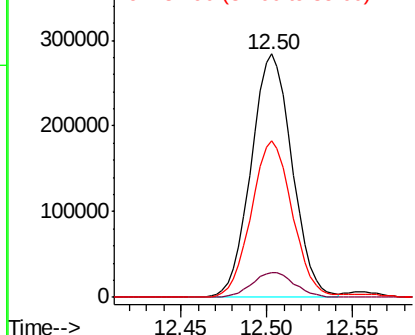
Tot Ion:	83	Resp:	469553
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	64.3	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 115.247 ug/l m

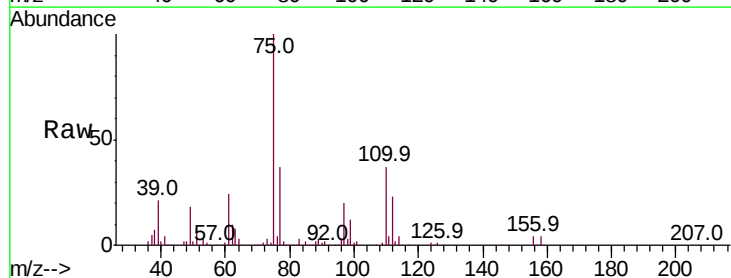
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

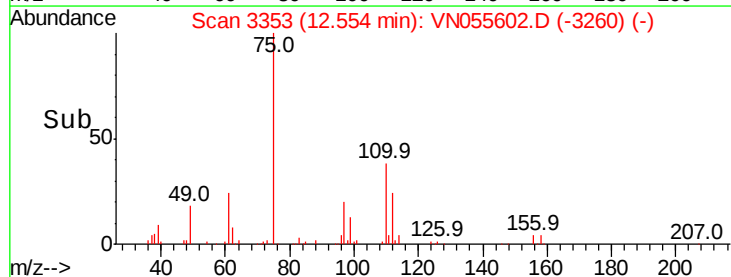
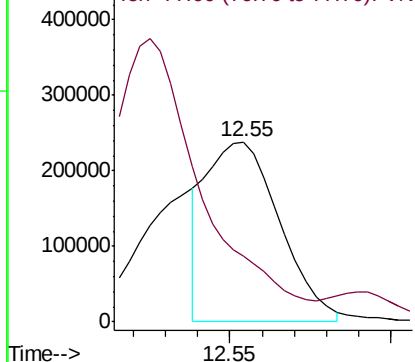
Lab File: VN055602.D

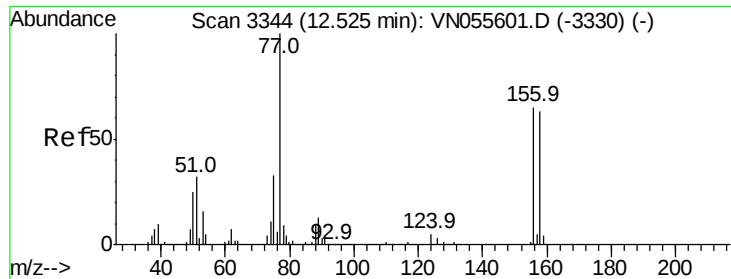
Acq: 17 May 2019 11:03

Tgt Ion:	75	Resp:	381518
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 99.991 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

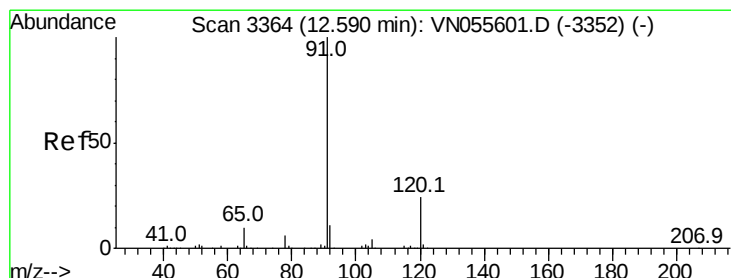
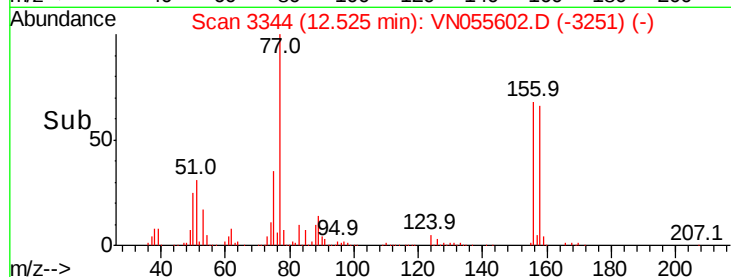
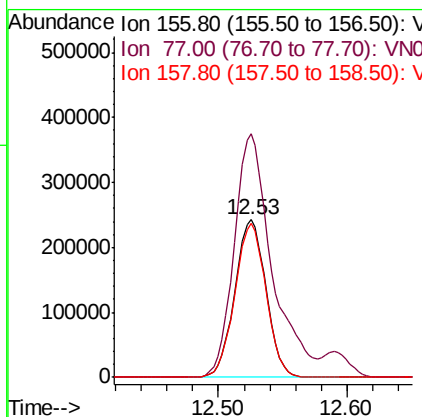
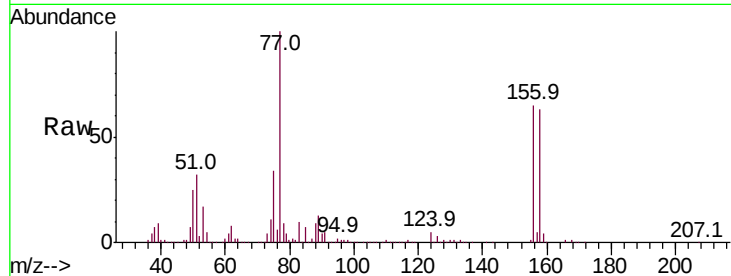
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	407914
Ion	Ratio	Lower	Upper
156	100		
77	187.3	94.5	283.5
158	97.1	49.0	147.2

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#78

n-propylbenzene

Concen: 100.200 ug/l

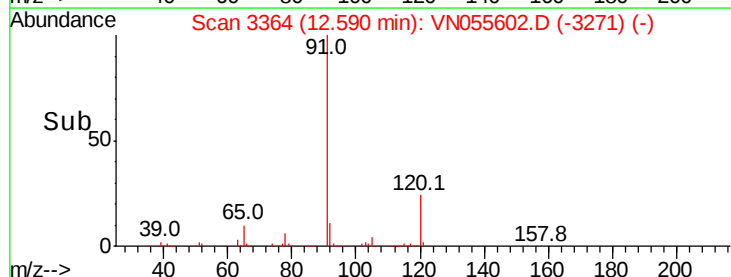
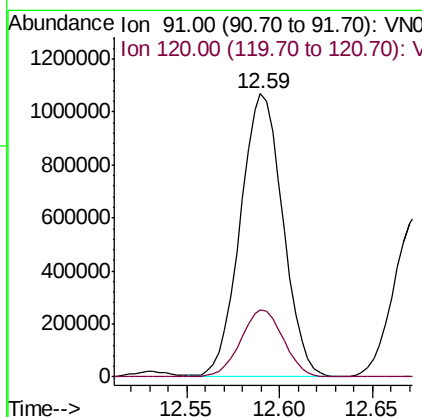
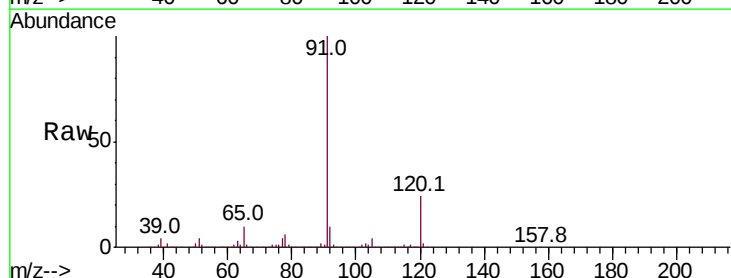
RT: 12.59 min Scan# 3364

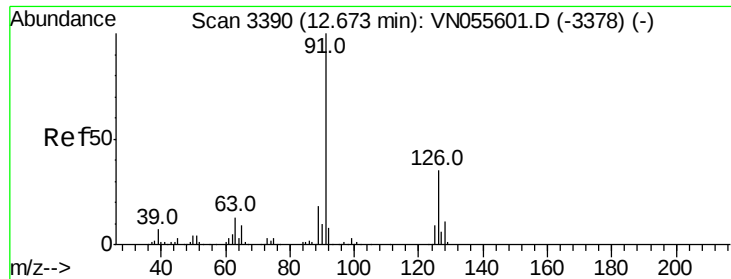
Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	91	Resp:	1701804
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 98.652 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1012811

Ion Ratio Lower Upper

91 100

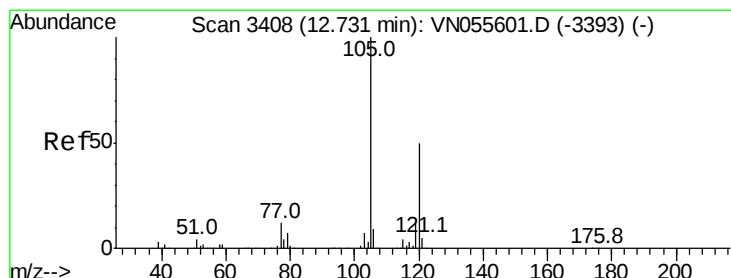
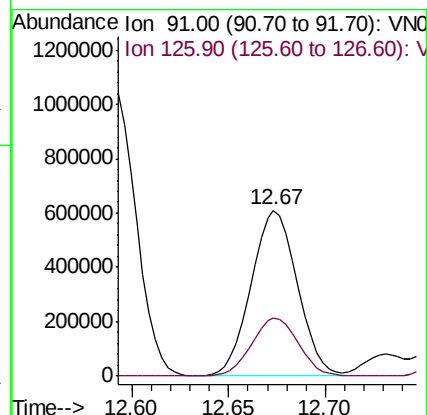
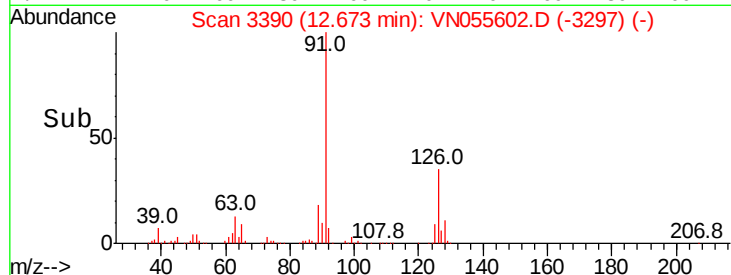
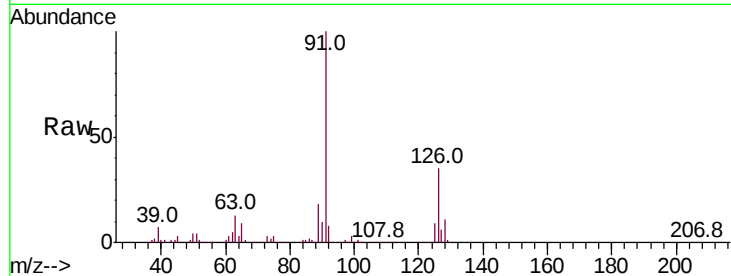
126 35.5 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 100.844 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055602.D

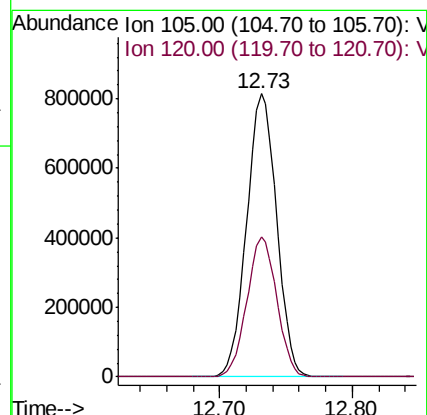
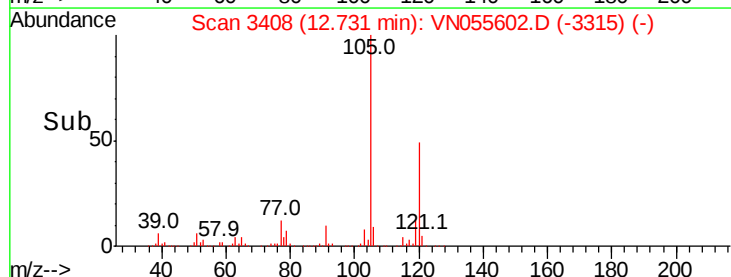
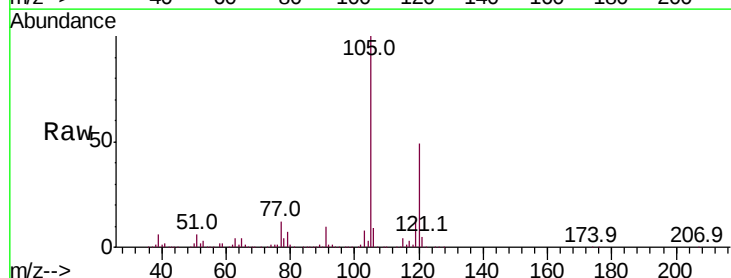
Acq: 17 May 2019 11:03

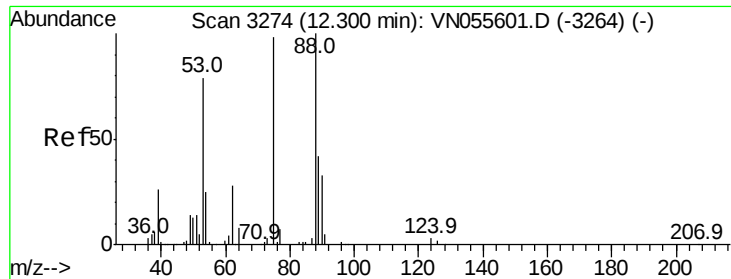
Tgt Ion:105 Resp: 1276443

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 157.313 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

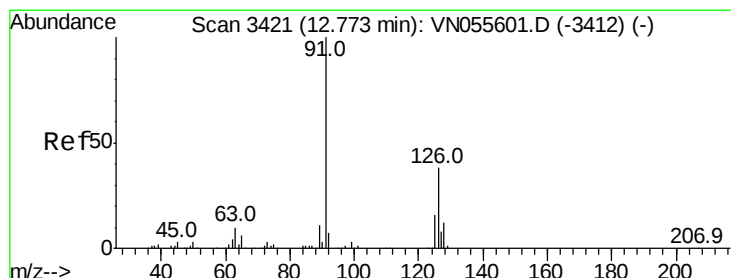
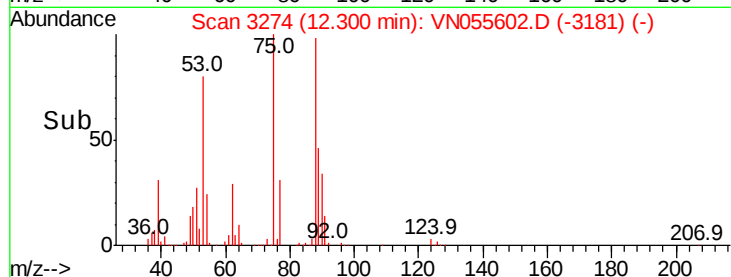
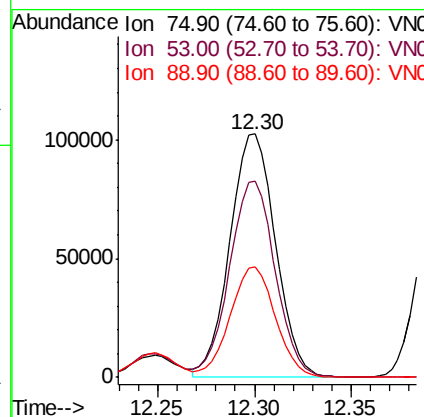
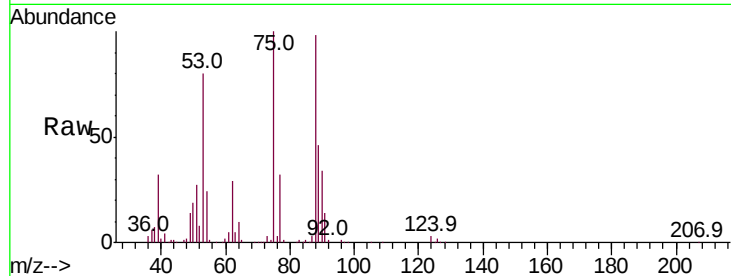
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	168561
Ion Ratio	Lower	Upper	
75	100		
53	80.8	65.1	97.7
89	45.1	36.4	54.6

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#82

4-Chlorotoluene

Concen: 101.104 ug/l

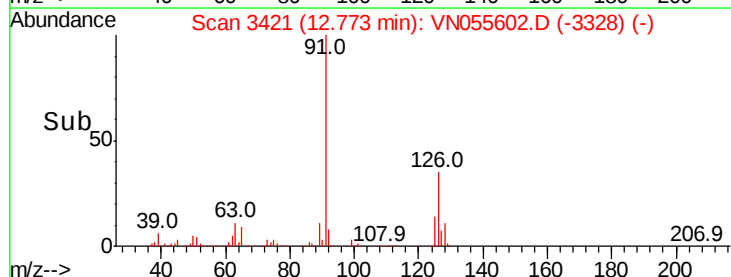
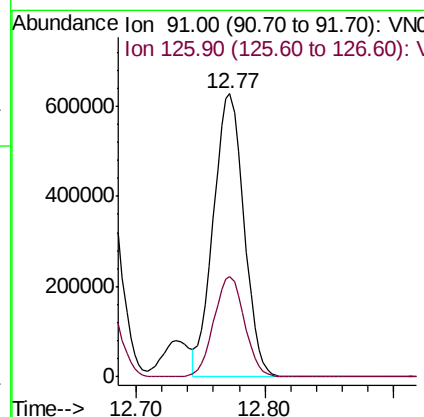
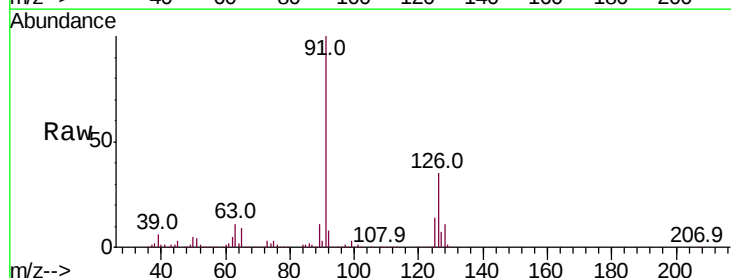
RT: 12.77 min Scan# 3421

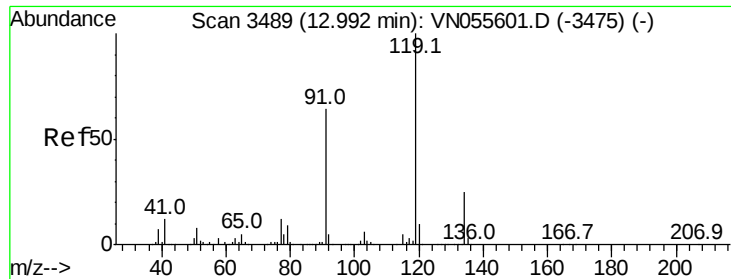
Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	91	Resp:	1032561
Ion Ratio	Lower	Upper	
91	100		
126	35.4	17.5	52.6





#83

tert-Butylbenzene

Concen: 95.538 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:119 Resp: 1081008

Ion Ratio Lower Upper

119 100

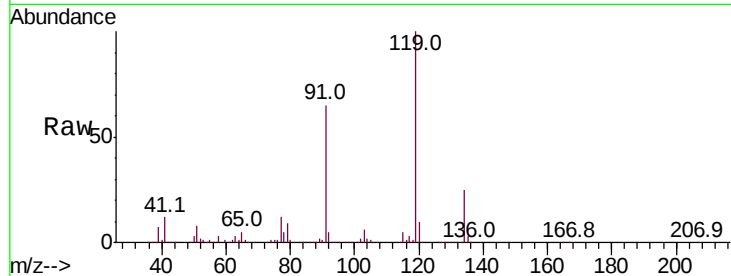
91 62.6 31.3 93.8

134 26.3 13.2 39.6

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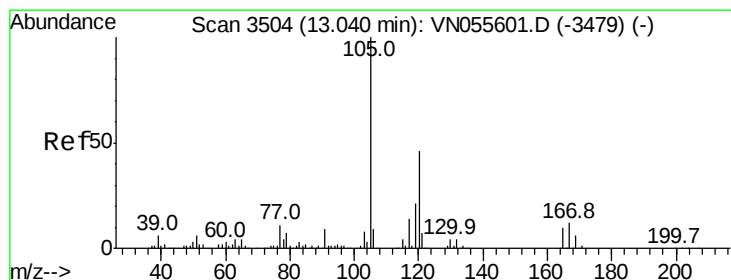
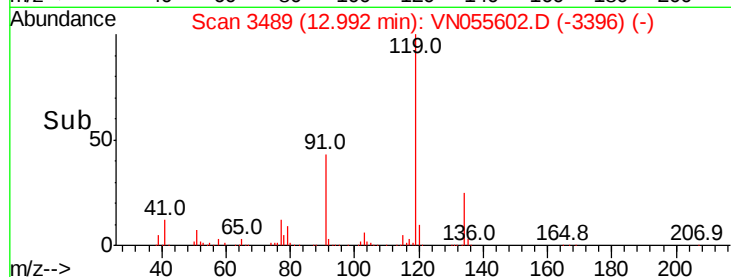
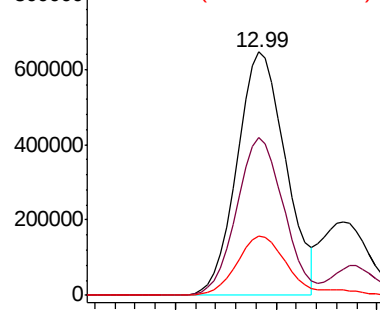
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 100.701 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN055602.D

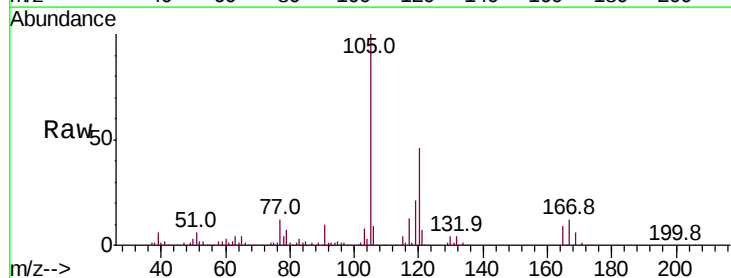
Acq: 17 May 2019 11:03

Tgt Ion:105 Resp: 1272873

Ion Ratio Lower Upper

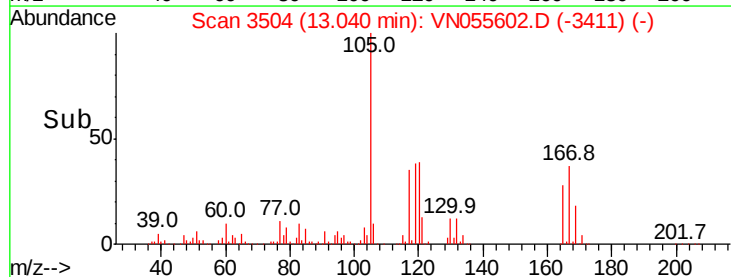
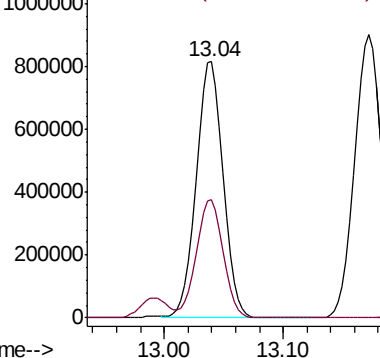
105 100

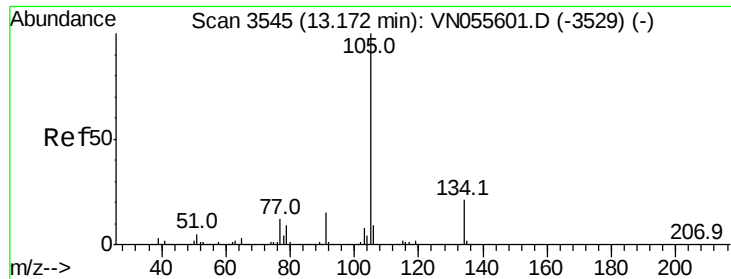
120 46.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 93.892 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1422443

Ion Ratio Lower Upper

105 100

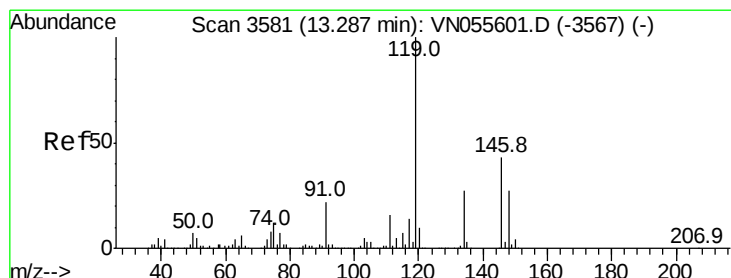
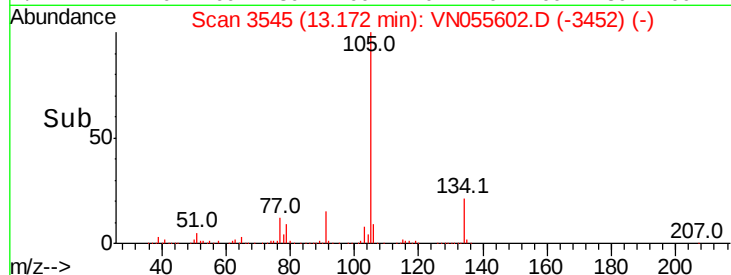
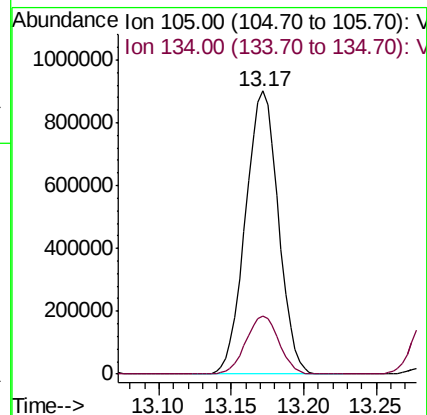
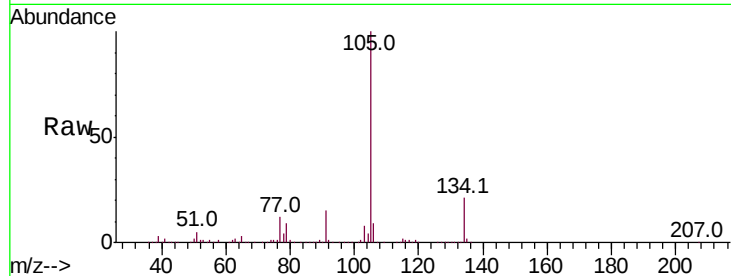
134 20.7 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 100.527 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

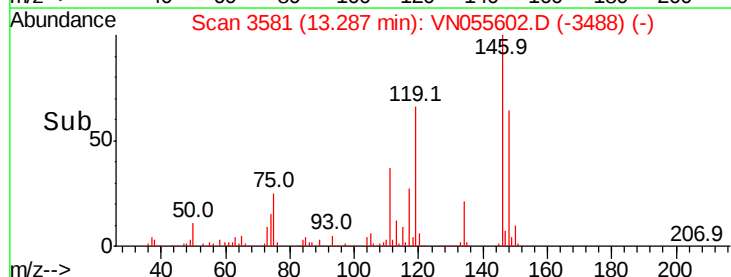
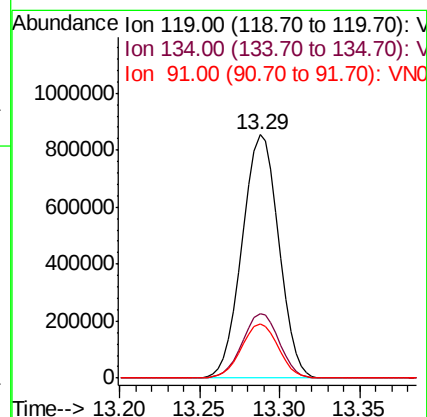
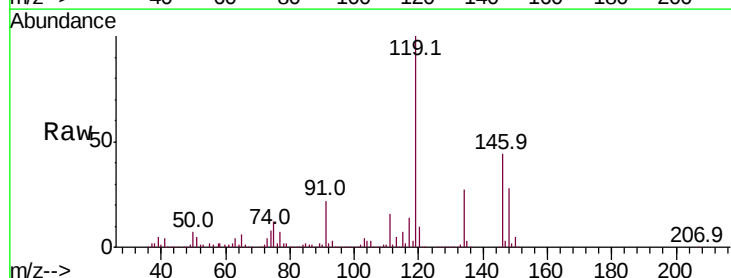
Tgt Ion:119 Resp: 1330840

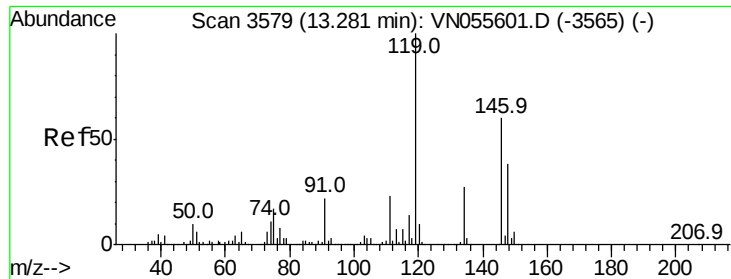
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.2 11.0 33.0





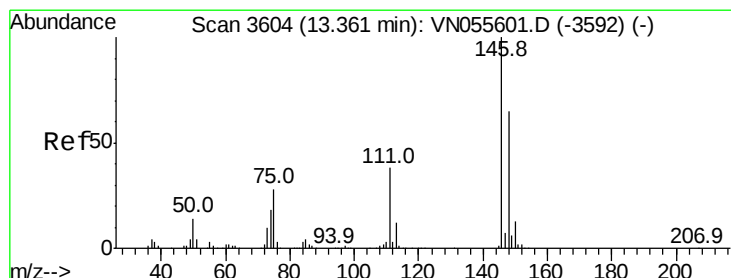
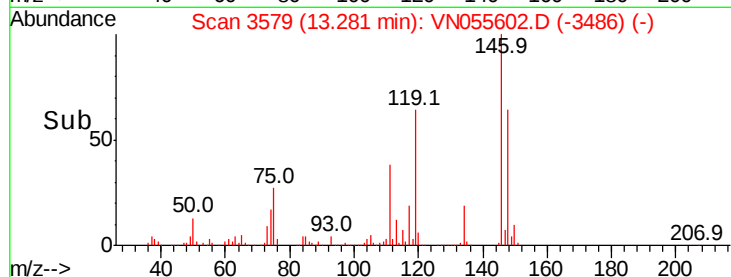
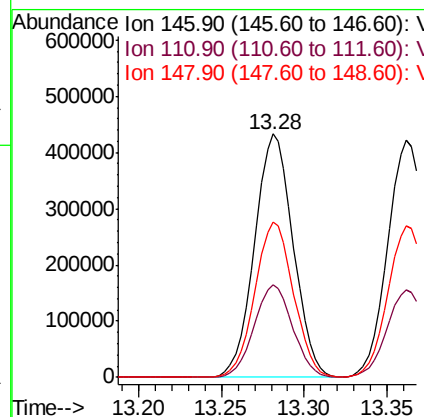
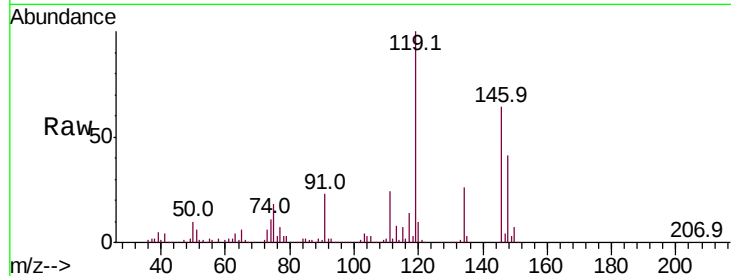
#87
 1,3-Dichlorobenzene
 Concen: 98.442 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	698467		
111	38.0	18.9	56.9	
148	63.8	31.9	95.9	

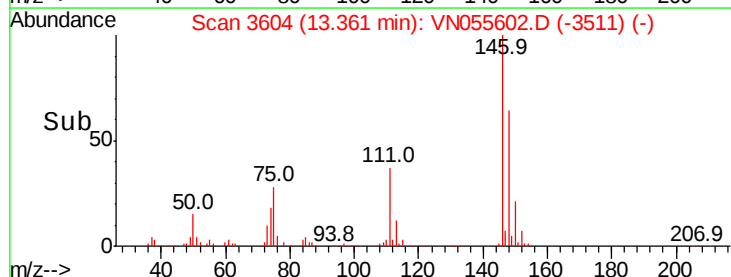
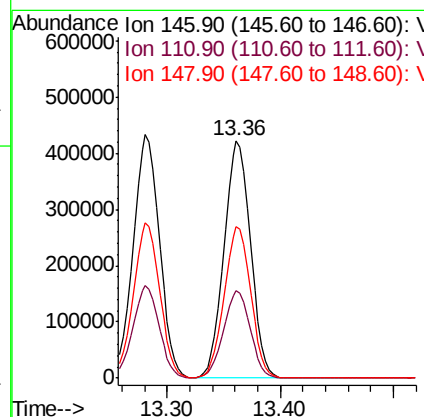
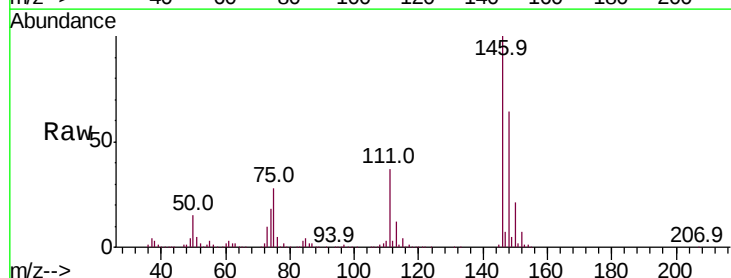
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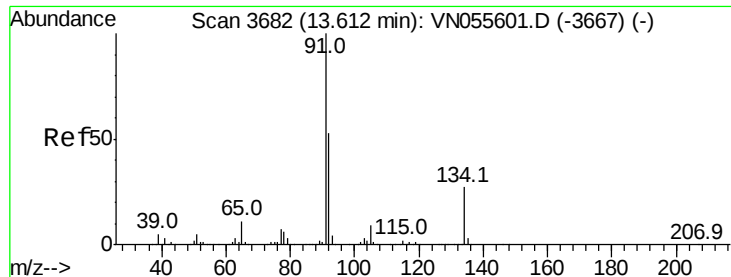
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#88
 1,4-Dichlorobenzene
 Concen: 96.492 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	688313		
111	36.9	18.8	56.4	
148	63.8	32.4	97.0	





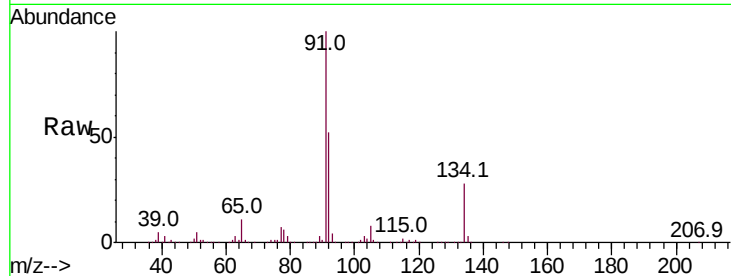
#89
n-Butylbenzene
Concen: 102.981 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

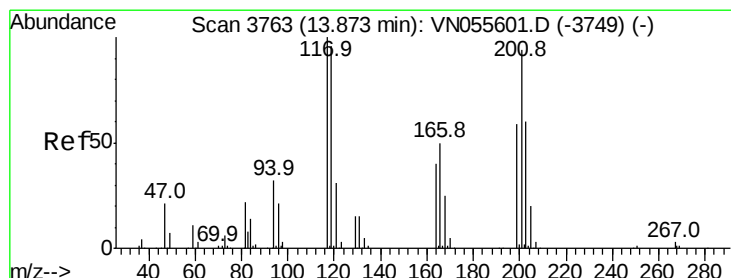
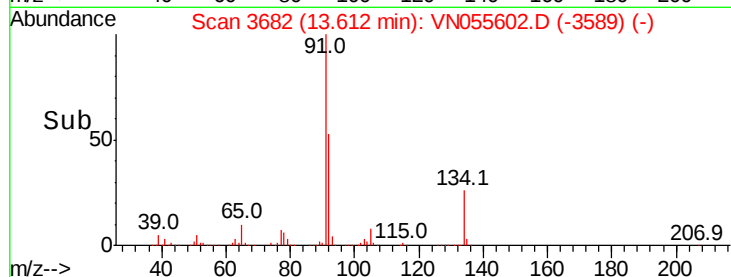
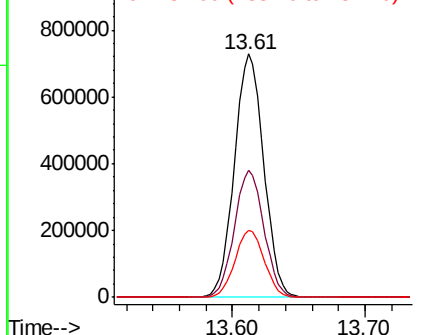
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.0
134	27.4	13.7	41.1

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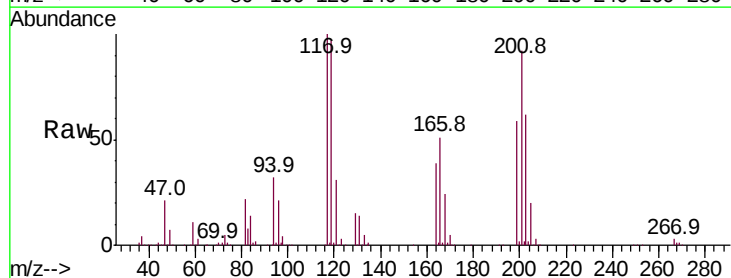


Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN055601.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN055601.D (-3667) (-)

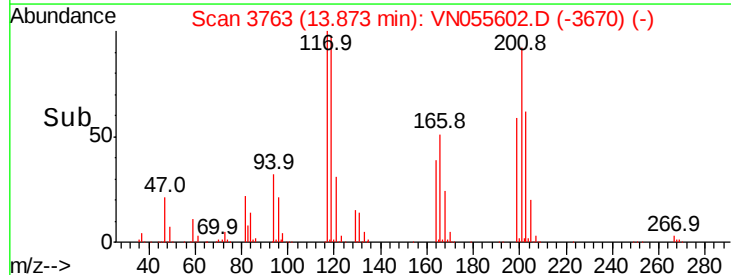
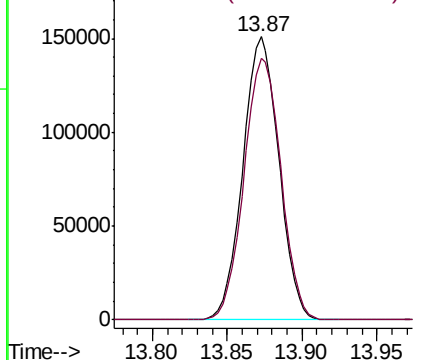


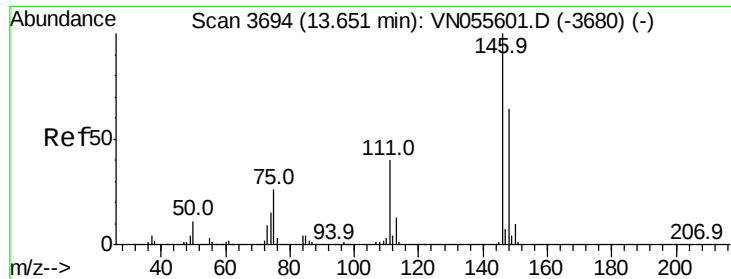
#90
Hexachloroethane
Concen: 98.205 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055602.D
Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	47.1	141.3



Abundance Ion 116.80 (116.50 to 117.50): VN055601.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN055601.D (-3749) (-)





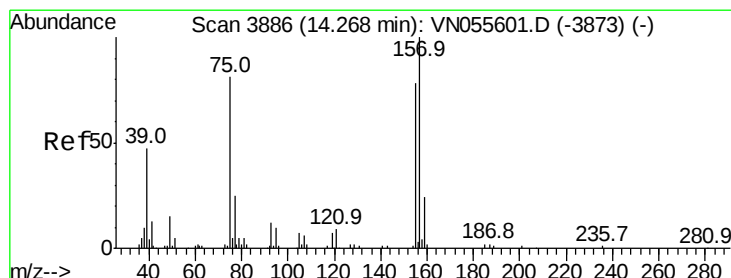
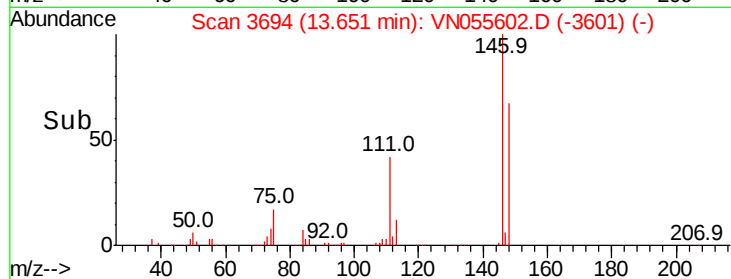
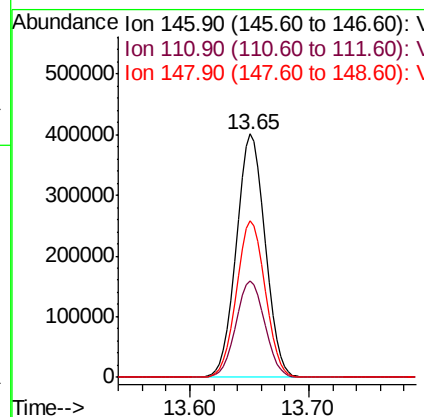
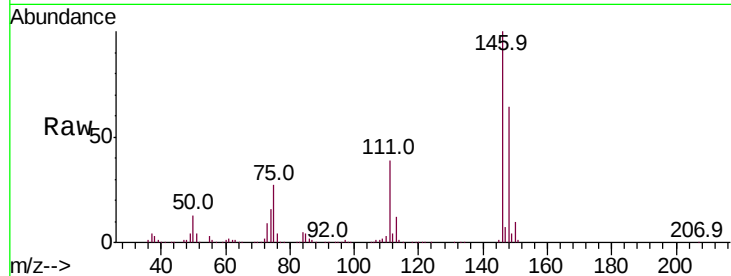
#91
 1,2-Dichlorobenzene
 Concen: 96.379 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	64.3	32.1	96.3

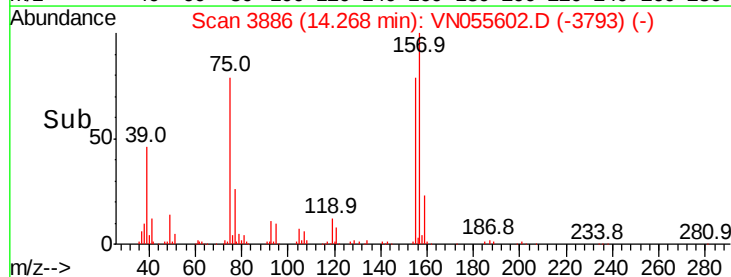
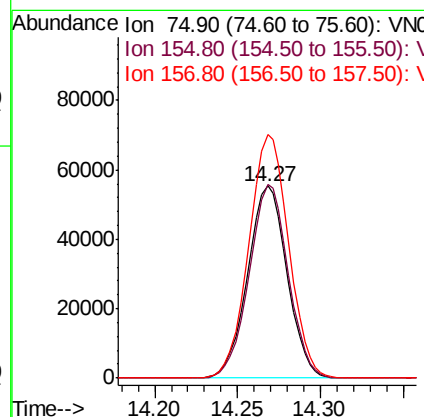
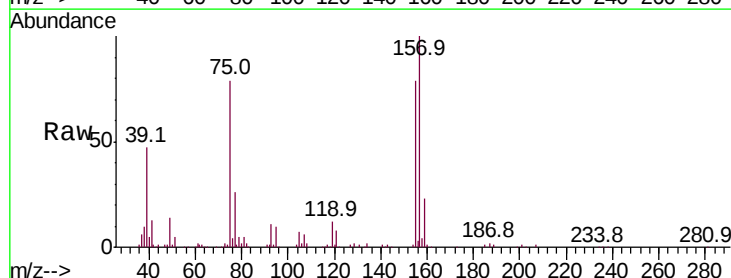
Manual Integrations
 APPROVED

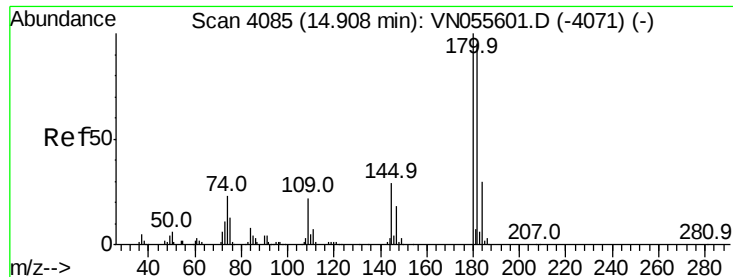
MMDadoda
 5/20/2019 9:10:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 152.296 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055602.D
 Acq: 17 May 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	48.4	145.0
157	127.9	62.3	186.8





#93

1,2,4-Trichlorobenzene

Concen: 111.879 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

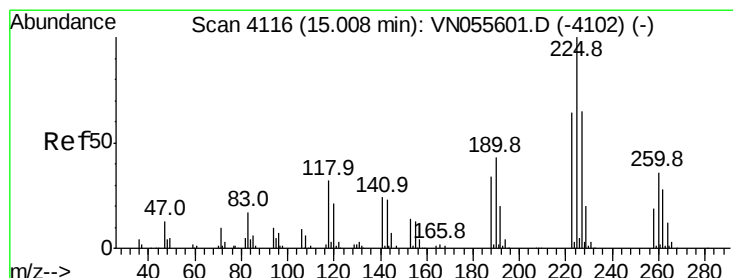
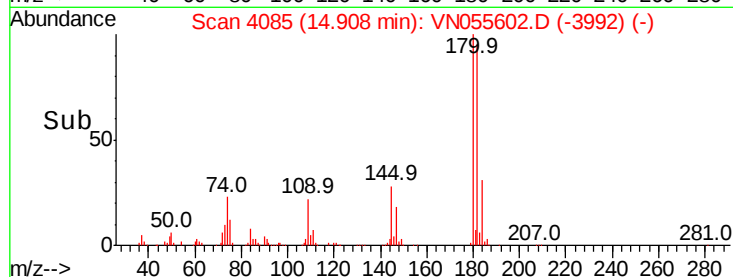
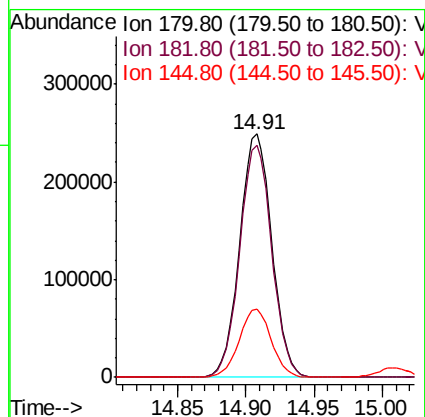
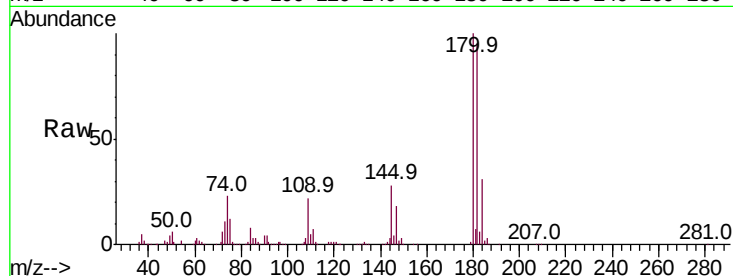
ClientSampleId :

VSTDIC100

Tot Ion:	180	Resp:	407826
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.6
145	28.0	14.3	42.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:10:07 AM



#94

Hexachlorobutadiene

Concen: 75.876 ug/l

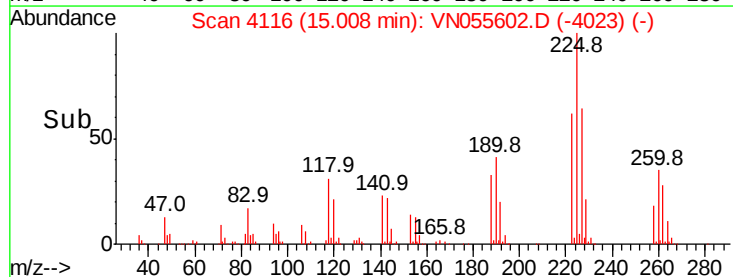
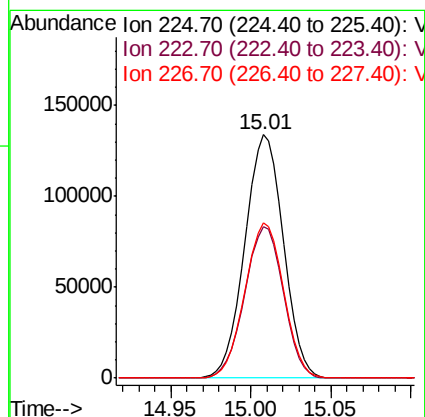
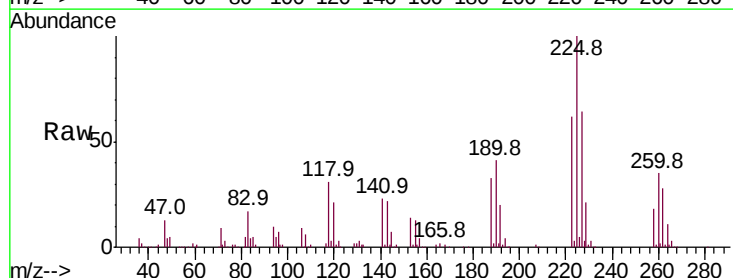
RT: 15.01 min Scan# 4116

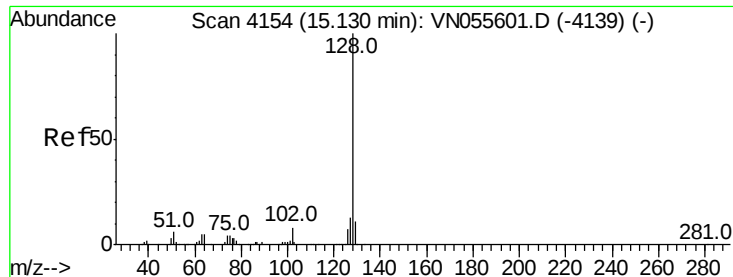
Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Tgt Ion:	225	Resp:	219791
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.6	94.7
227	64.2	32.4	97.0





#95

Naphthalene

Concen: 153.155 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1122241

Ion Ratio Lower Upper

128 100

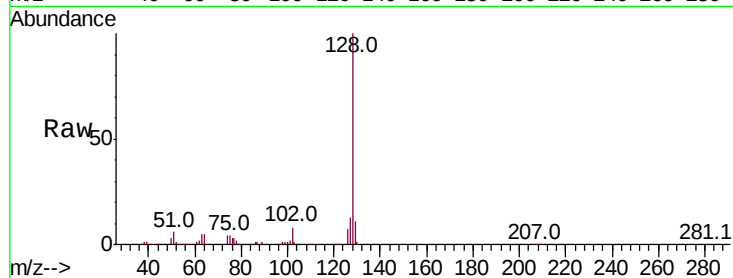
127 12.9 10.2 15.4

129 10.8 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

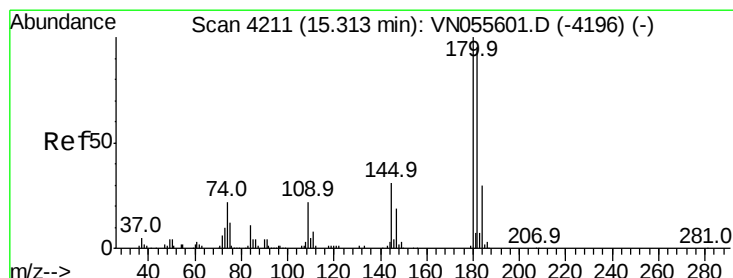
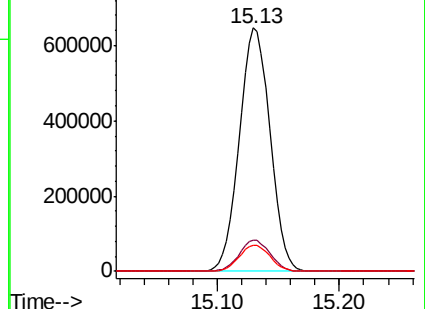
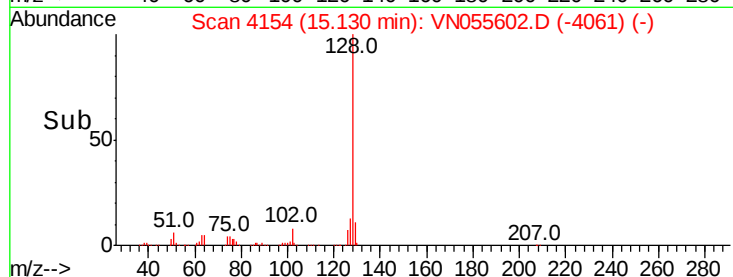
5/20/2019 9:10:07 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 112.605 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055602.D

Acq: 17 May 2019 11:03

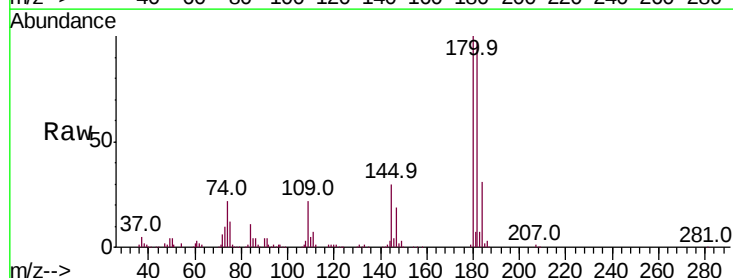
Tgt Ion:180 Resp: 400183

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.6

145 30.2 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

