

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055192.D
 Acq On : 23 Apr 2019 9:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:43:40 PM

Quant Time: Apr 23 15:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	460244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	694351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257386	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	279856	44.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.84%	
35) Dibromofluoromethane	7.59	113	228540	48.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.90%	
50) Toluene-d8	10.09	98	854717	48.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	283058	51.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	299813	50.594	ug/l	99
3) Chloromethane	2.06	50	342712	47.197	ug/l	100
4) Vinyl Chloride	2.19	62	272928	46.907	ug/l	99
5) Bromomethane	2.55	94	146251	43.343	ug/l	96
6) Chloroethane	2.70	64	140992	45.976	ug/l	96
7) Trichlorofluoromethane	3.02	101	385228	48.652	ug/l	100
8) Diethyl Ether	3.41	74	129198	45.715	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	226331	45.808	ug/l	98
10) Methyl Iodide	3.95	142	336168	48.518	ug/l	100
11) Tert butyl alcohol	4.78	59	73354	201.695	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	219928	46.446	ug/l	97
13) Acrolein	3.61	56	100827	187.416	ug/l	98
14) Allyl chloride	4.32	41	430046	45.941	ug/l	99
15) Acrylonitrile	4.99	53	439178	220.187	ug/l	99
16) Acetone	3.82	43	460186	223.460	ug/l	100
17) Carbon Disulfide	4.05	76	642664	48.548	ug/l	99
18) Methyl Acetate	4.32	43	194158	43.734	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	586291	44.783	ug/l	98
20) Methylene Chloride	4.55	84	252679	42.680	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	229987	46.318	ug/l	97
22) Diisopropyl ether	5.95	45	856947	45.927	ug/l	99
23) Vinyl Acetate	5.89	43	2982161	237.835	ug/l	100
24) 1,1-Dichloroethane	5.85	63	451729	45.009	ug/l	100
25) 2-Butanone	6.83	43	571592	214.989	ug/l	99
26) 2,2-Dichloropropane	6.82	77	319403	47.028	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	258154	45.102	ug/l	98
28) Bromochloromethane	7.19	49	227873	44.541	ug/l	99
29) Tetrahydrofuran	7.21	42	344580	210.792	ug/l	99
30) Chloroform	7.37	83	432344	45.287	ug/l	99
31) Cyclohexane	7.65	56	447990	47.616	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	358826	46.784	ug/l	99
36) 1,1-Dichloropropene	7.79	75	337417	52.356	ug/l	100
37) Ethyl Acetate	6.93	43	229983	44.218	ug/l	98
38) Carbon Tetrachloride	7.77	117	313055	51.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380565	49.499	ug/l	97
40) Benzene	8.04	78	987516	49.638	ug/l	99
41) Methacrylonitrile	7.18	41	143180	52.509	ug/l	98
42) 1,2-Dichloroethane	8.12	62	329852	47.526	ug/l	100
43) Isopropyl Acetate	8.16	43	401661	47.691	ug/l #	90
44) Trichloroethene	8.83	130	251027	49.923	ug/l	98
45) 1,2-Dichloropropane	9.12	63	270400	48.151	ug/l	98
46) Dibromomethane	9.21	93	152708	47.503	ug/l	98
47) Bromodichloromethane	9.40	83	326622	50.753	ug/l	100
48) Methyl methacrylate	9.20	41	190847	46.714	ug/l	99
49) 1,4-Dioxane	9.20	88	43946	931.464	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1111536	229.353	ug/l	100
52) Toluene	10.15	92	586187	50.262	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	310968	52.653	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	384146	52.414	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	201999	46.980	ug/l	99
56) Ethyl methacrylate	10.43	69	267324	49.908	ug/l	99
57) 1,3-Dichloropropane	10.71	76	366426	48.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	437336	213.617	ug/l	100
59) 2-Hexanone	10.75	43	742230	242.463	ug/l	100
60) Dibromochloromethane	10.90	129	224166	50.616	ug/l	98
61) 1,2-Dibromoethane	11.00	107	198405	49.079	ug/l	99
64) Tetrachloroethene	10.63	164	243027	49.622	ug/l	100
65) Chlorobenzene	11.43	112	593613	48.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221954	48.871	ug/l	99
67) Ethyl Benzene	11.51	91	1101228	50.450	ug/l	99
68) m/p-Xylenes	11.62	106	810655	103.547	ug/l	99
69) o-Xylene	11.95	106	392989	50.582	ug/l	100
70) Styrene	11.96	104	657100	54.563	ug/l	99
71) Bromoform	12.13	173	141046	52.042	ug/l #	99
73) Isopropylbenzene	12.25	105	1052629	50.940	ug/l	100
74) N-amyl acetate	12.07	43	305668	46.063	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	249246	47.499	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179493m	34.375	ug/l	
77) Bromobenzene	12.52	156	254273	44.749	ug/l	99
78) n-propylbenzene	12.59	91	1204981	46.682	ug/l	99
79) 2-Chlorotoluene	12.67	91	721481	44.265	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	883787	45.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59551	43.233	ug/l	99
82) 4-Chlorotoluene	12.77	91	707732	47.194	ug/l	99
83) tert-Butylbenzene	12.99	119	739941	51.159	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	874807	48.112	ug/l	98
85) sec-Butylbenzene	13.17	105	969171	44.461	ug/l	100
86) p-Isopropyltoluene	13.28	119	863987	48.110	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	429095	49.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	412850	48.614	ug/l	98
89) n-Butylbenzene	13.61	91	713924	53.633	ug/l	99
90) Hexachloroethane	13.87	117	141308	44.367	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	413058	46.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34834	44.569	ug/l	97

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ClientSampleId :
VSTDCCC050

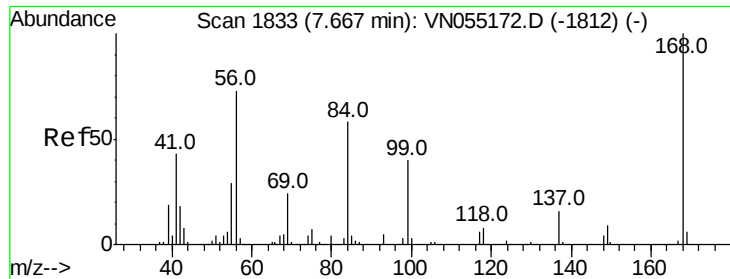
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177543	47.076	ug/l	99
94) Hexachlorobutadiene	15.01	225	144547	55.688	ug/l	98
95) Naphthalene	15.13	128	338837	41.565	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	170755	45.619	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 460244

Ion Ratio Lower Upper

168 100

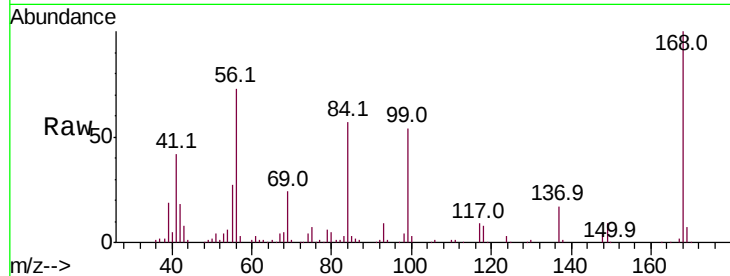
99 53.7 42.0 63.0

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

7.66

200000

150000

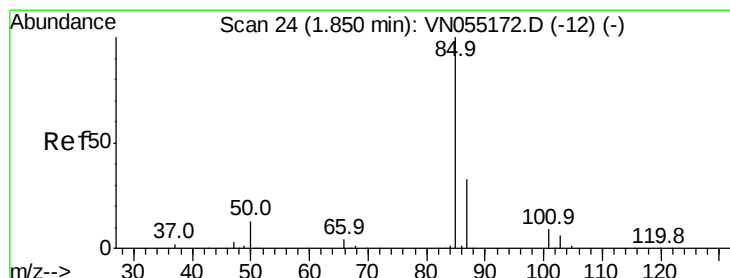
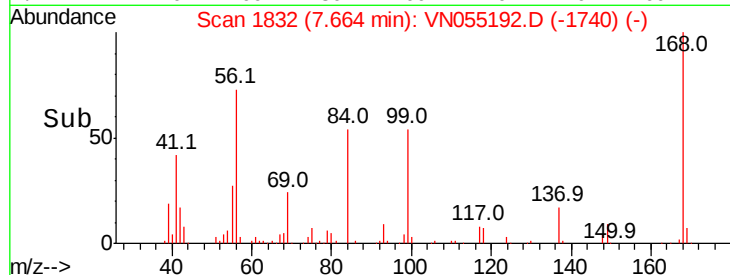
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.594 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055192.D

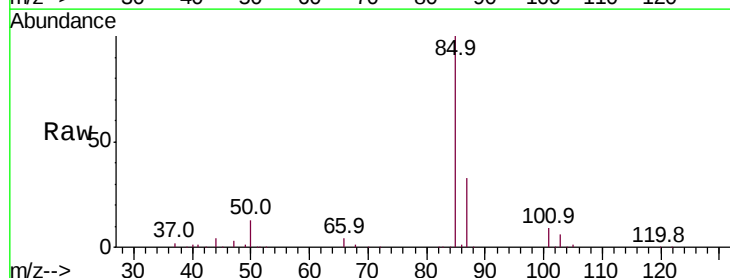
Acq: 23 Apr 2019 9:11

Tgt Ion: 85 Resp: 299813

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

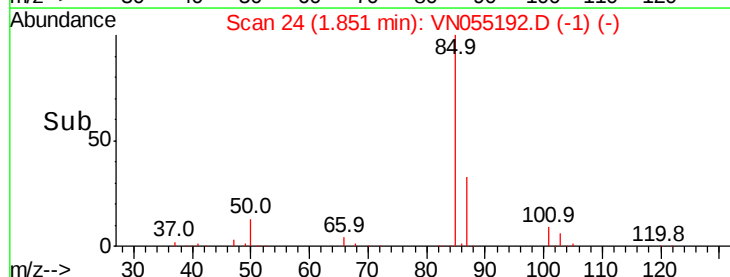
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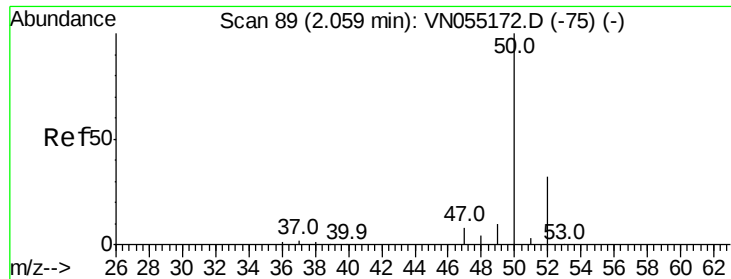
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0

1.80 1.85 1.90 1.95

Time-->





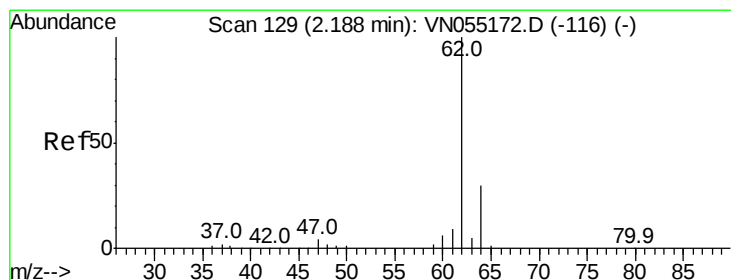
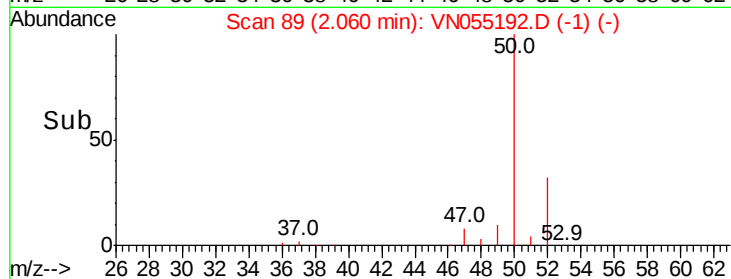
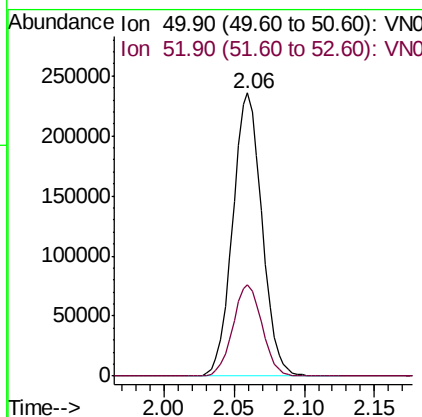
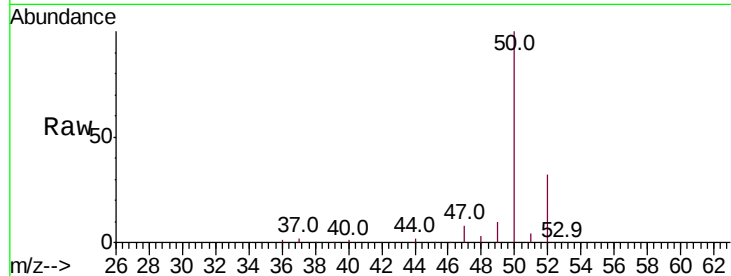
#3
Chloromethane
Concen: 47.197 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6

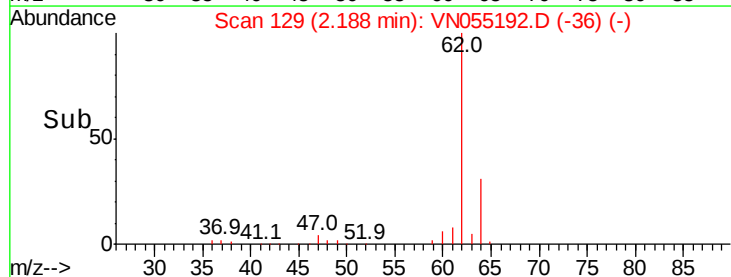
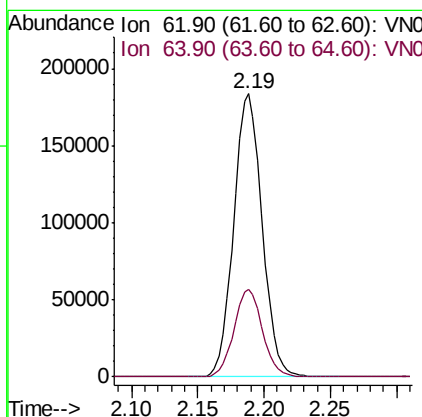
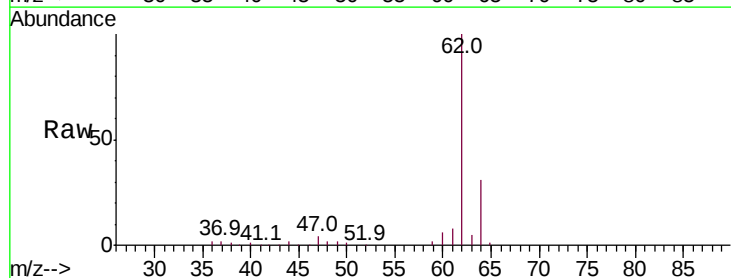
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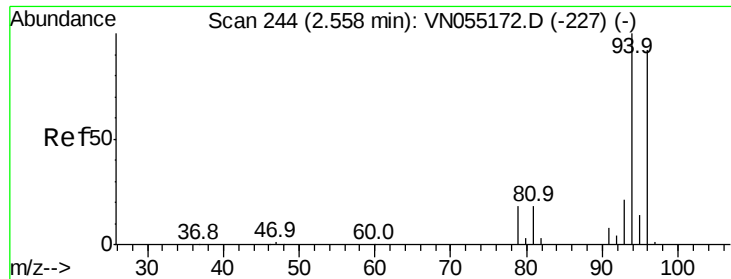
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#4
Vinyl Chloride
Concen: 46.907 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.2	36.4





#5

Bromomethane

Concen: 43.343 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 146251

Ion Ratio Lower Upper

94 100

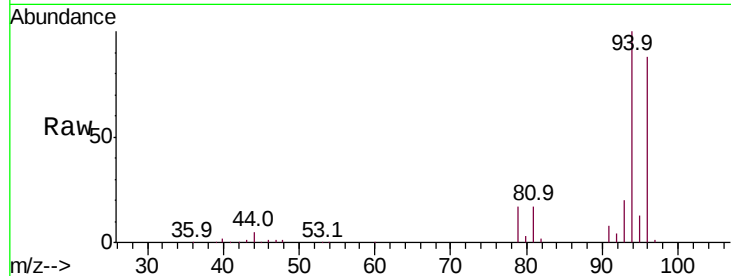
96 88.1 73.4 110.2

Manual Integrations

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4/24/2019 12:43:40 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

80000

60000

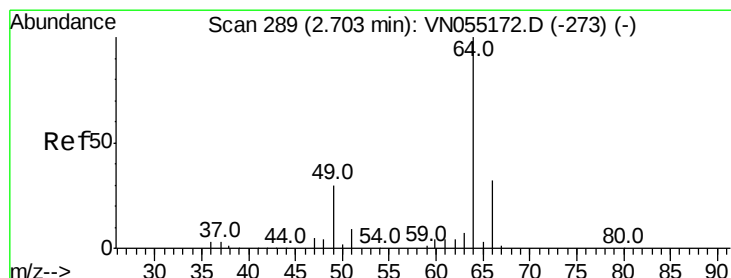
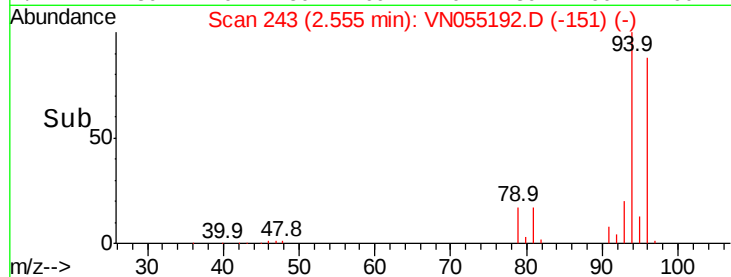
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20000

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Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 45.976 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN055192.D

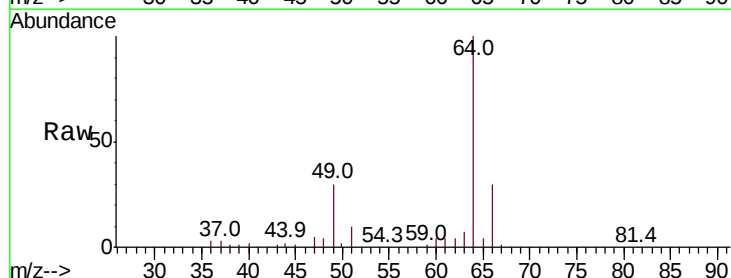
Acq: 23 Apr 2019 9:11

Tgt Ion: 64 Resp: 140992

Ion Ratio Lower Upper

64 100

66 30.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

80000

60000

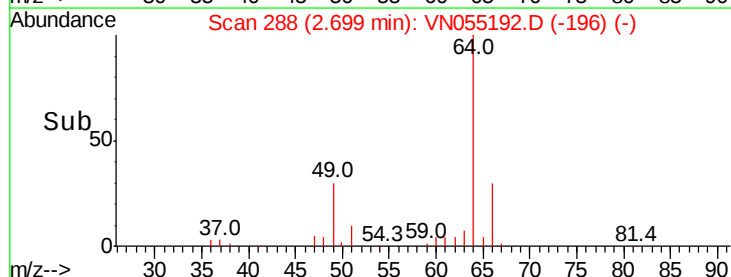
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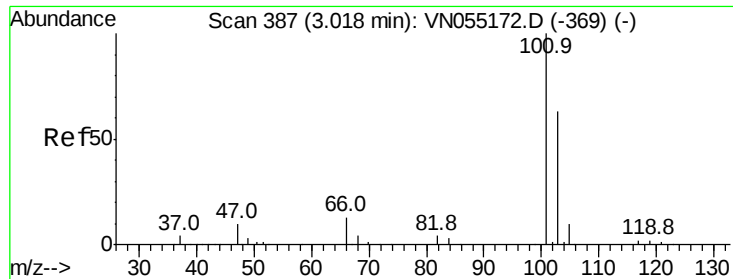
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Time-->

2.60 2.70 2.80





#7

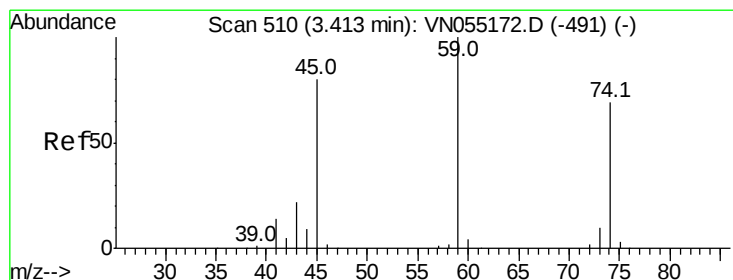
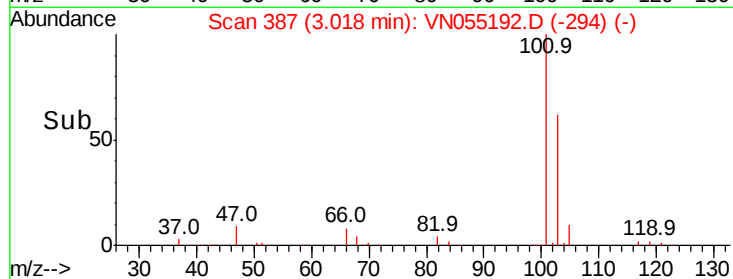
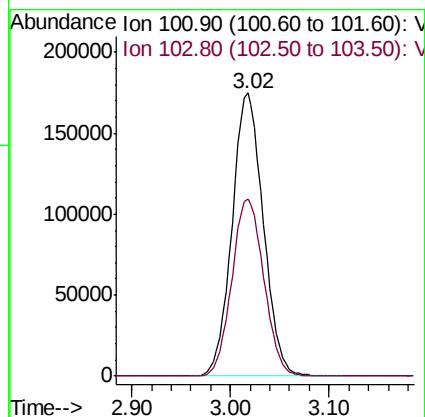
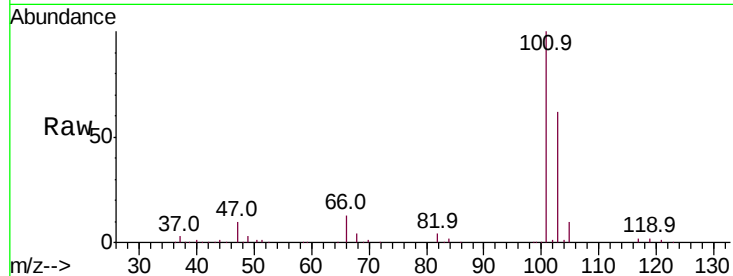
Trichlorofluoromethane
 Concen: 48.652 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.1	75.1

Manual Integrations
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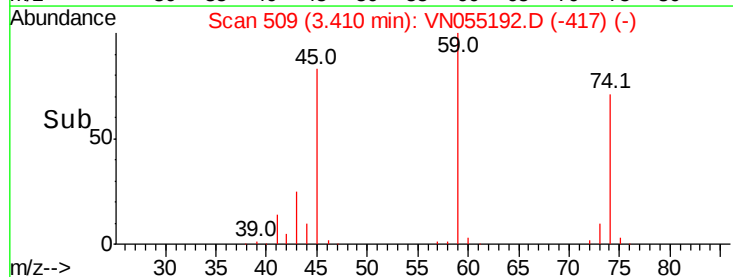
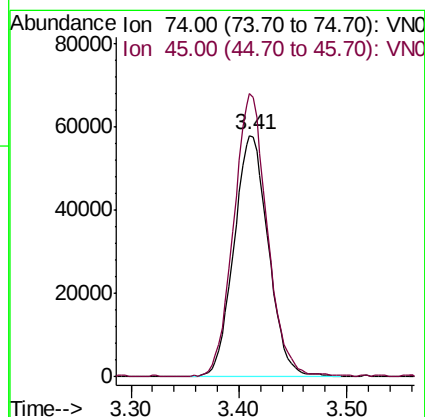
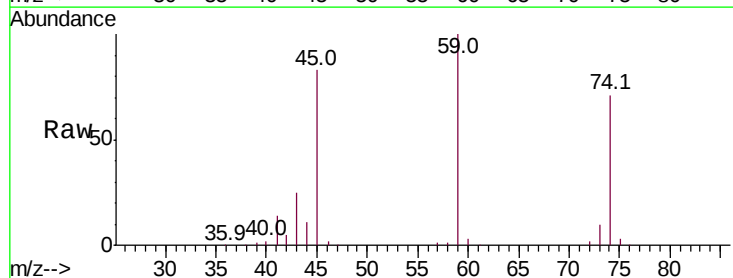
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 4/24/2019 12:43:40 PM

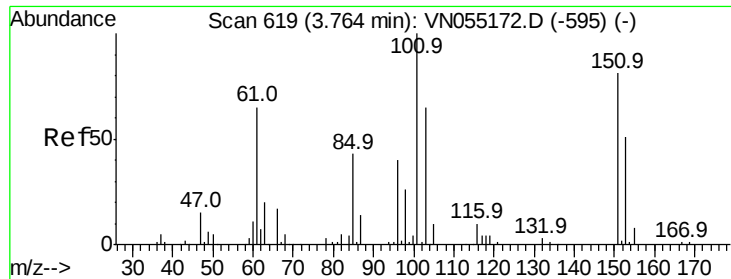


#8

Diethyl Ether
 Concen: 45.715 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.8	56.9	170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.808 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

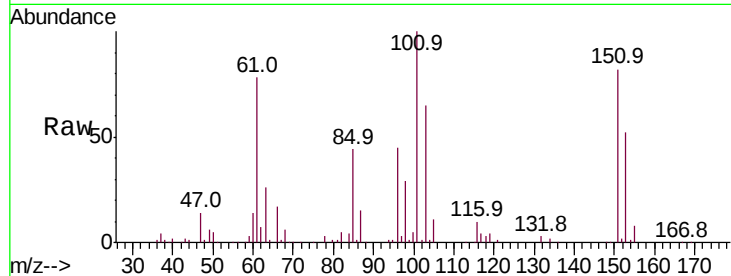
ClientSampleId :

VSTDCCC050

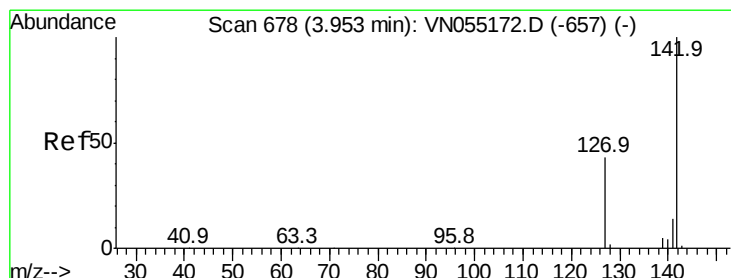
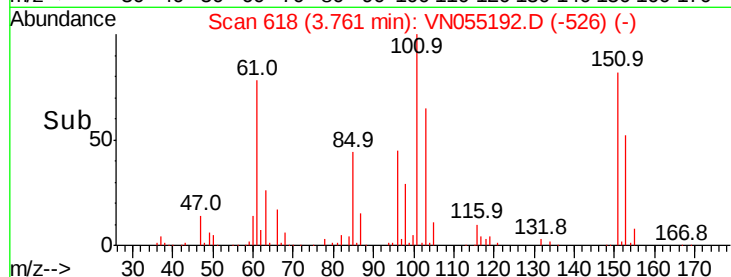
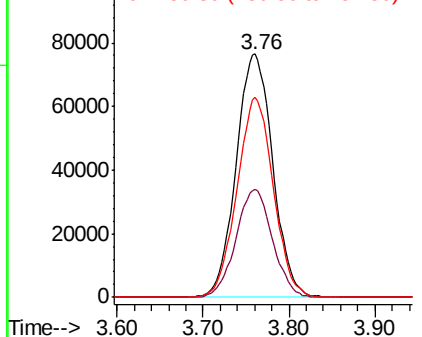
Tot Ion:	101	Resp:	226331
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.9	52.3
151	81.5	63.8	95.8

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: 48.518 ug/l

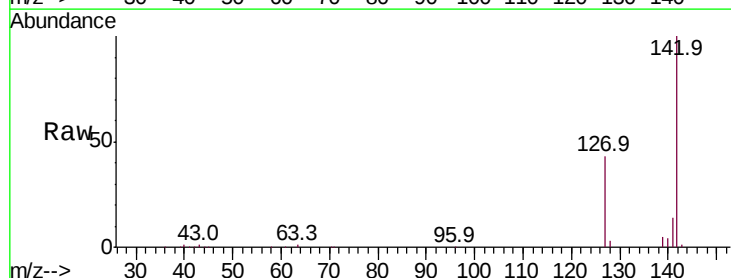
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

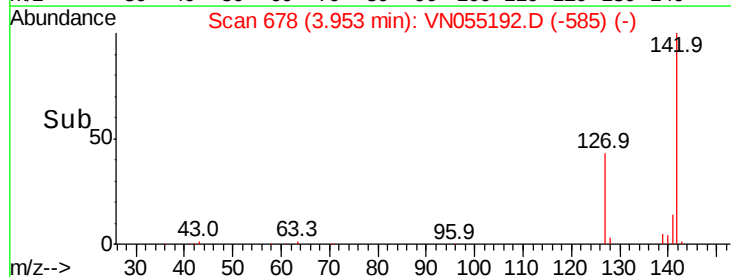
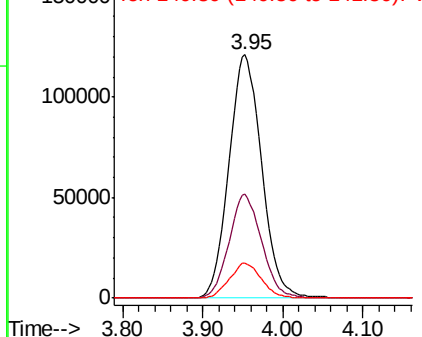
Lab File: VN055192.D

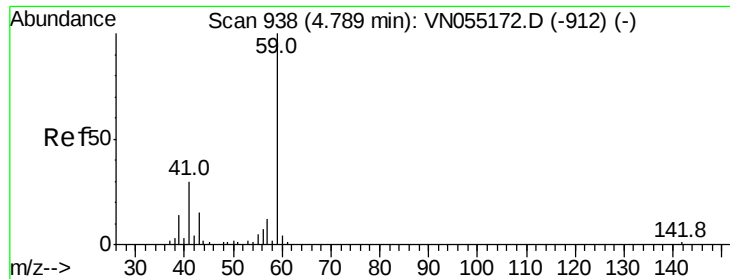
Acq: 23 Apr 2019 9:11

Tgt Ion:	142	Resp:	336168
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.1	51.1
141	14.2	11.4	17.2



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





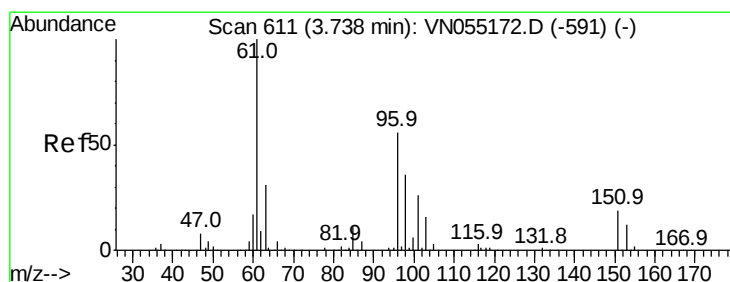
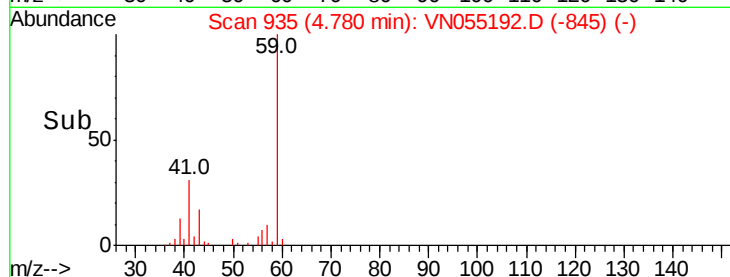
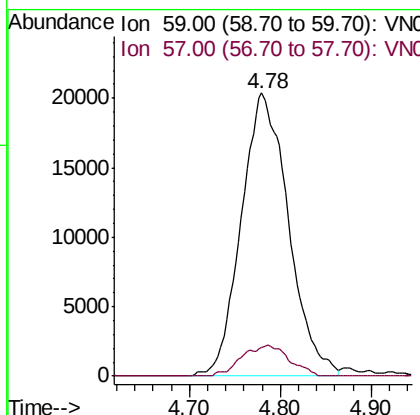
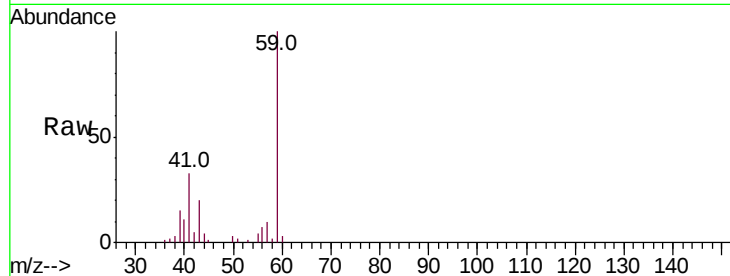
#11
Tert butyl alcohol
Concen: 201.695 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

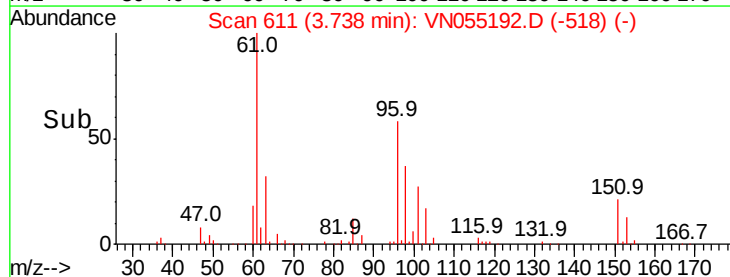
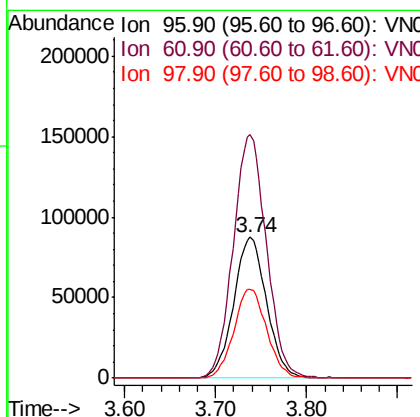
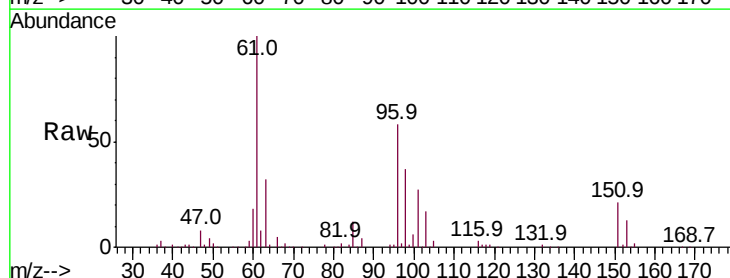
Manual Integrations
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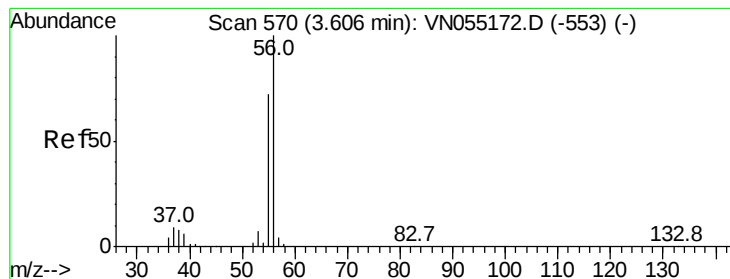
MMDadoda
4/24/2019 12:43:40 PM



#12
1,1-Dichloroethene
Concen: 46.446 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	142.1	213.1
98	63.4	51.2	76.8





#13

Acrolein

Concen: 187.416 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 100827

Ion Ratio Lower Upper

56 100

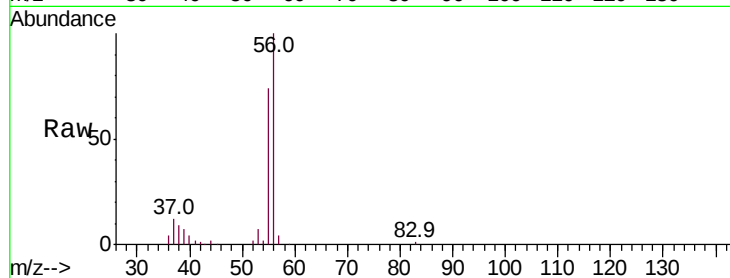
55 73.2 57.4 86.0

Manual Integrations

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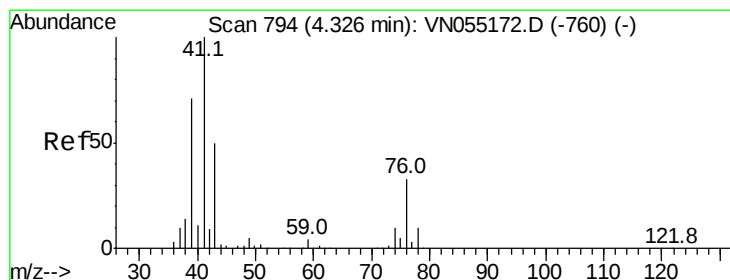
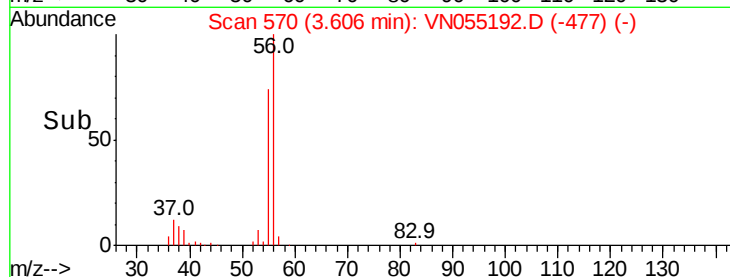
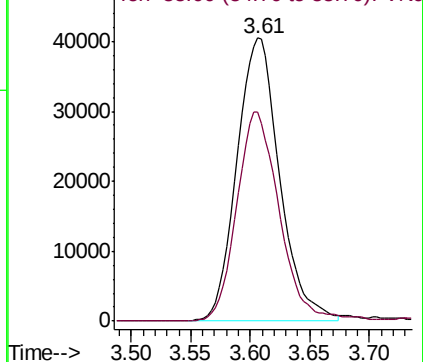
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 45.941 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

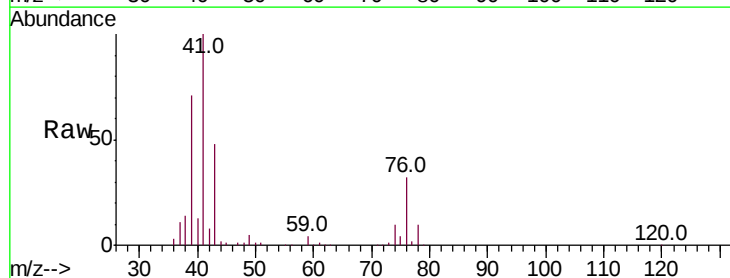
Tgt Ion: 41 Resp: 430046

Ion Ratio Lower Upper

41 100

39 66.9 52.9 79.3

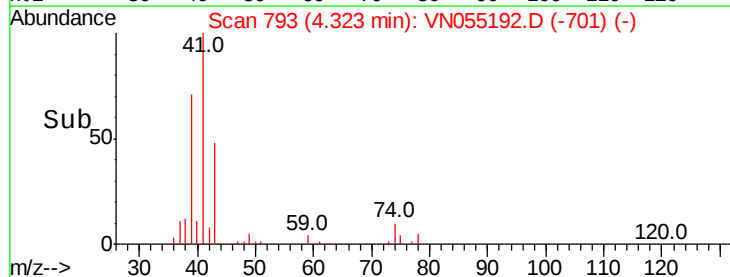
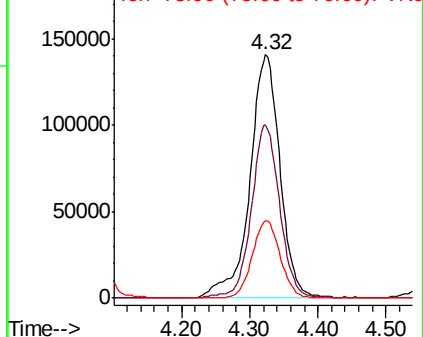
76 29.6 23.6 35.4

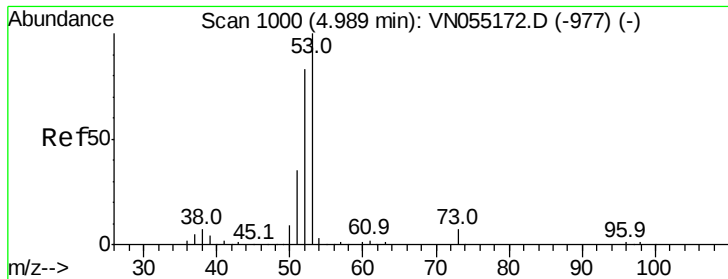


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





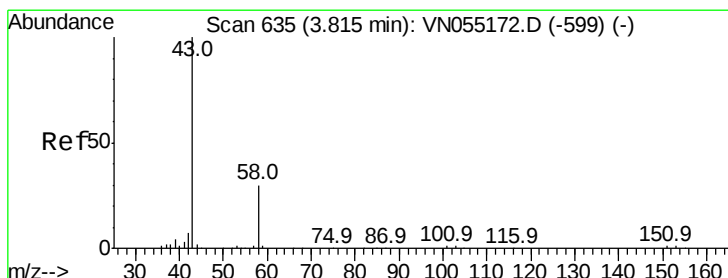
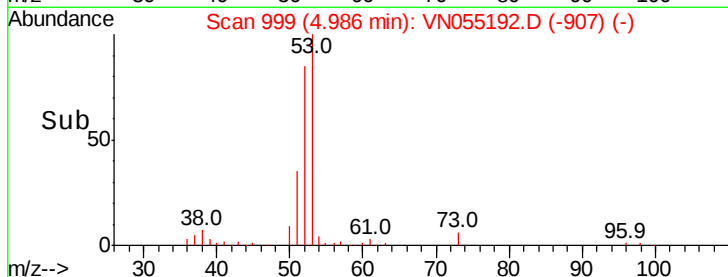
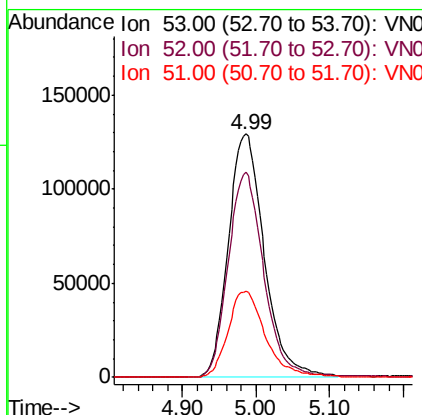
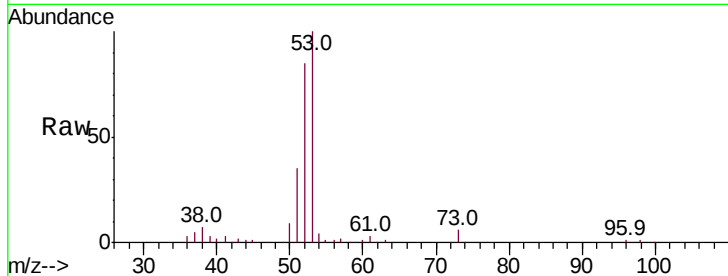
#15
 Acrylonitrile
 Concen: 220.187 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	37.0	28.9	43.3

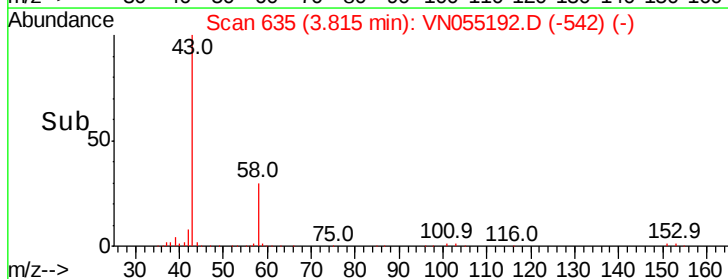
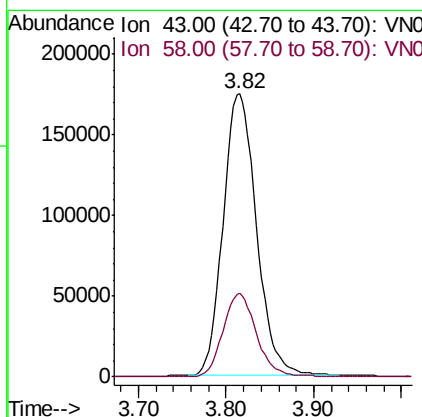
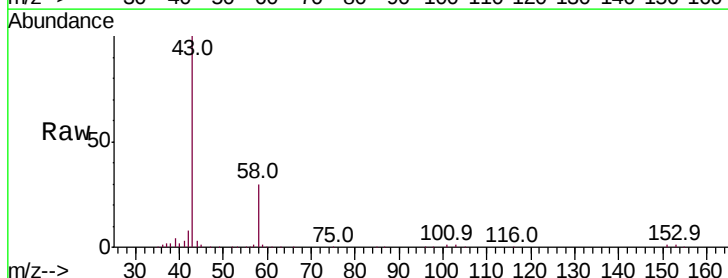
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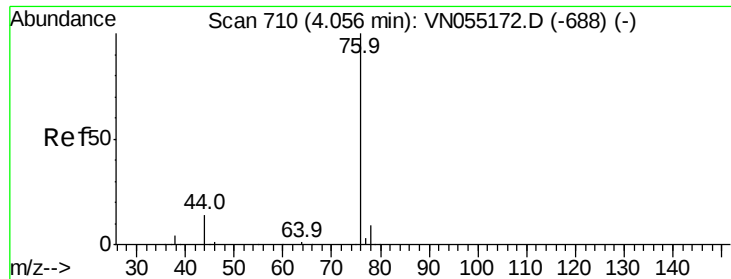
MMDadoda
 4/24/2019 12:43:40 PM



#16
 Acetone
 Concen: 223.460 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.8	35.8





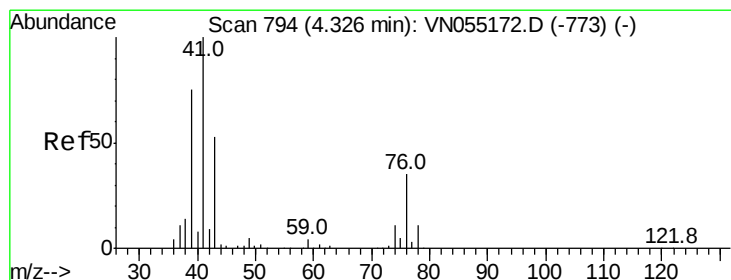
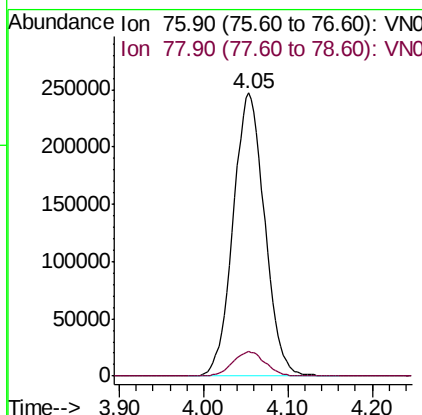
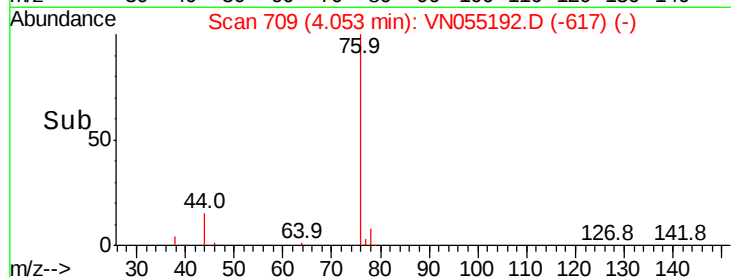
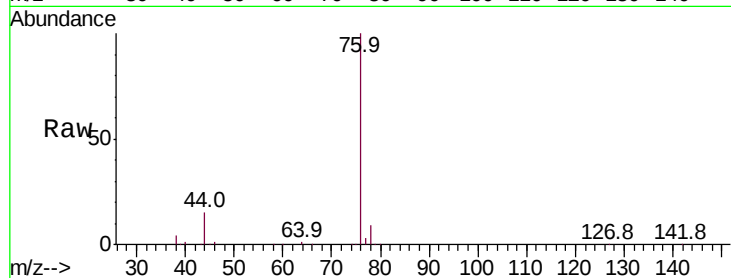
#17
Carbon Disulfide
Concen: 48.548 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 642664
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

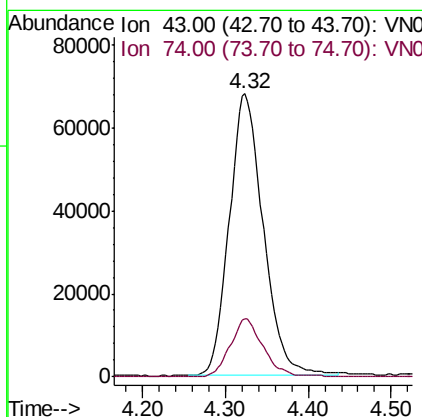
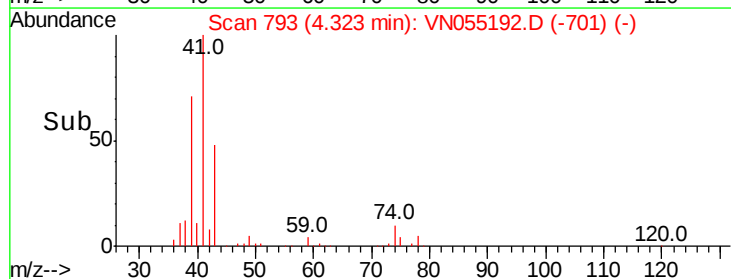
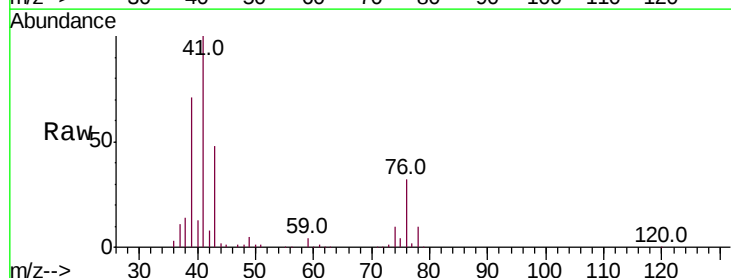
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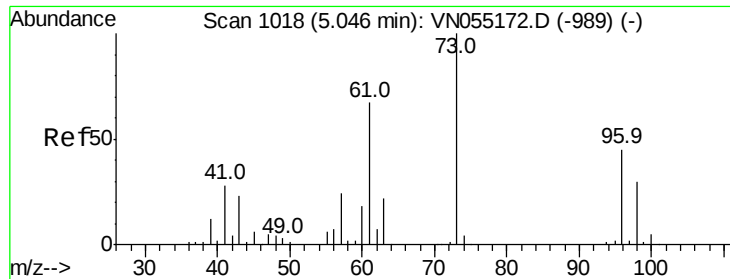
MMDadoda
4/24/2019 12:43:40 PM



#18
Methyl Acetate
Concen: 43.734 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion: 43 Resp: 194158
Ion Ratio Lower Upper
43 100
74 19.9 16.7 25.1





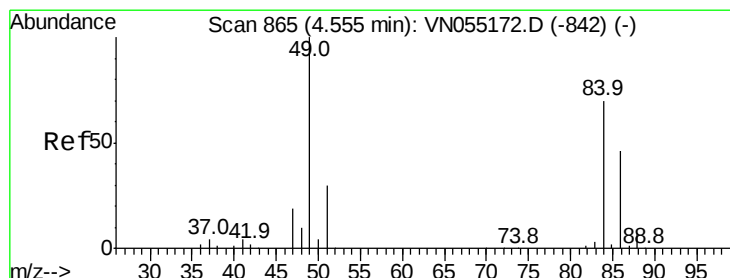
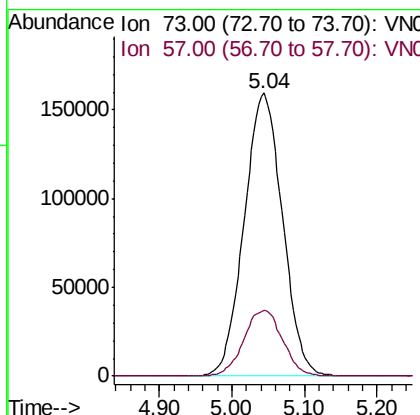
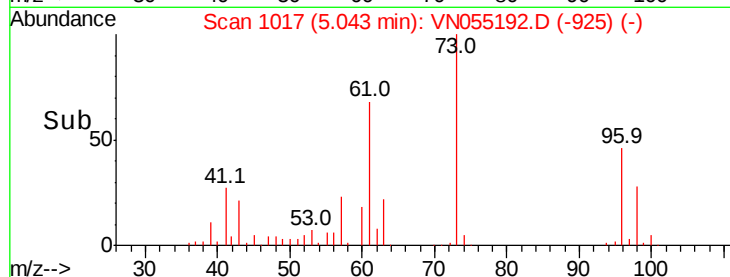
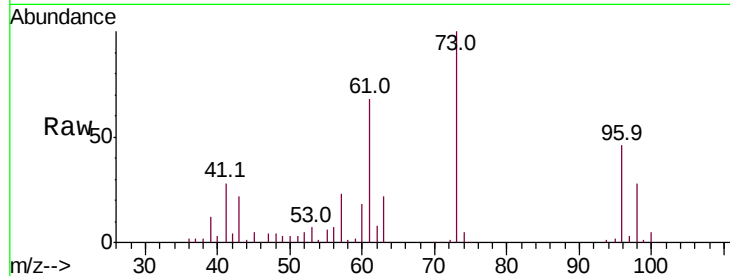
#19
Methvl tert-butvl Ether
Concen: 44.783 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 586291
Ion Ratio Lower Upper
73 100
57 23.3 19.5 29.3

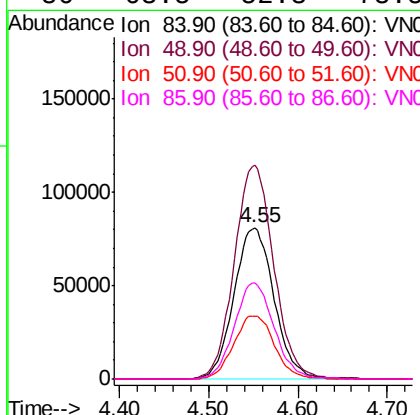
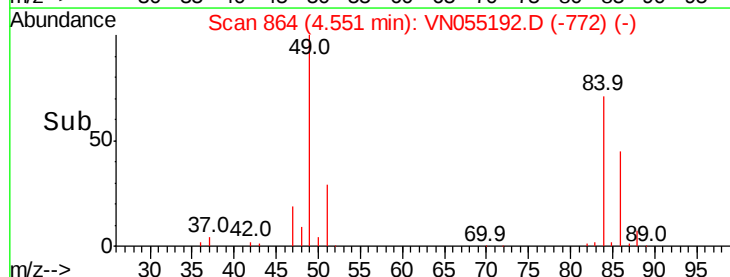
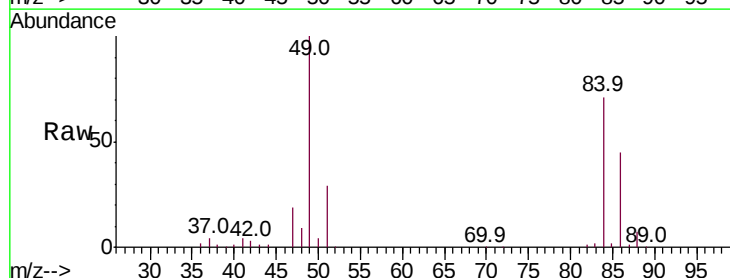
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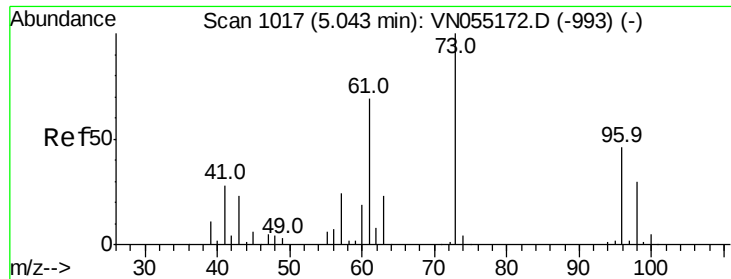
MMDadoda
4/24/2019 12:43:40 PM



#20
Methylene Chloride
Concen: 42.680 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion: 84 Resp: 252679
Ion Ratio Lower Upper
84 100
49 141.4 113.8 170.6
51 41.6 34.0 51.0
86 63.5 52.3 78.5





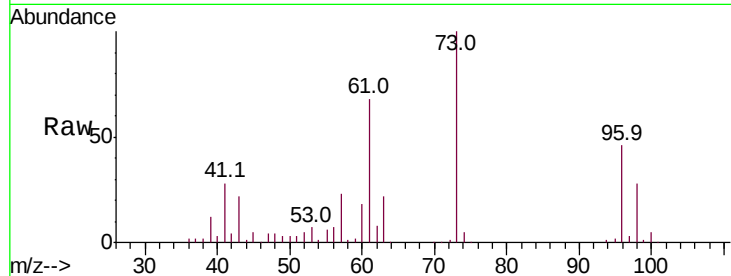
#21
trans-1,2-Dichloroethene
Concen: 46.318 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	119.3	178.9
98	60.9	53.0	79.4

Manual Integrations
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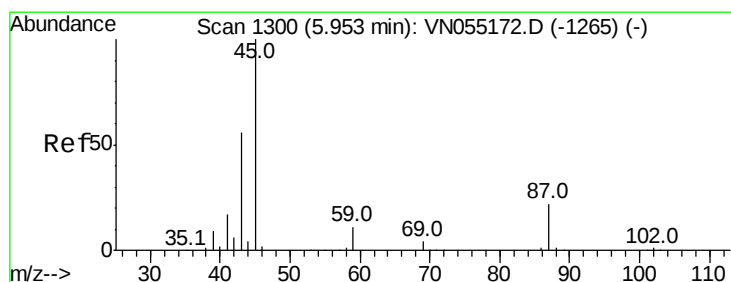
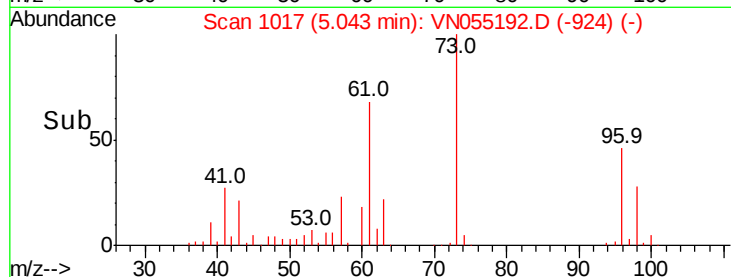
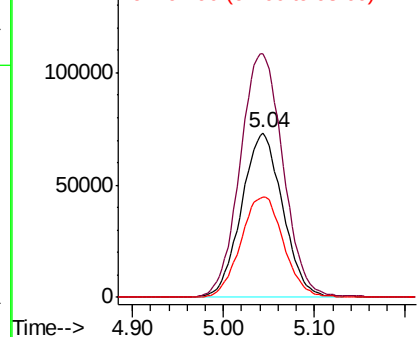


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 45.927 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	47.4	71.0
87	23.2	18.4	27.6
59	10.7	8.6	12.8

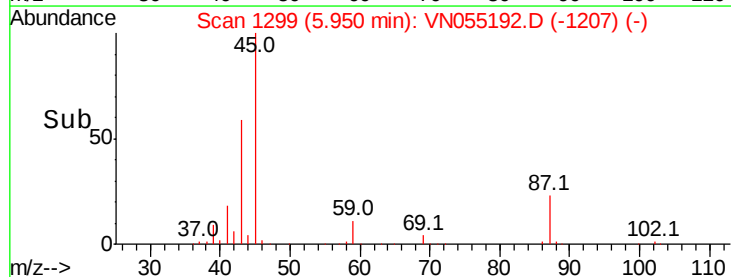
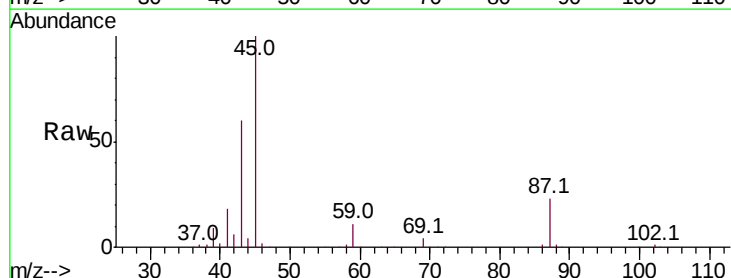
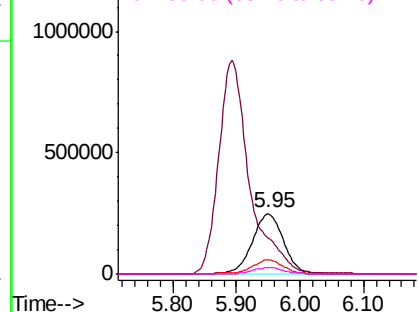
Abundance

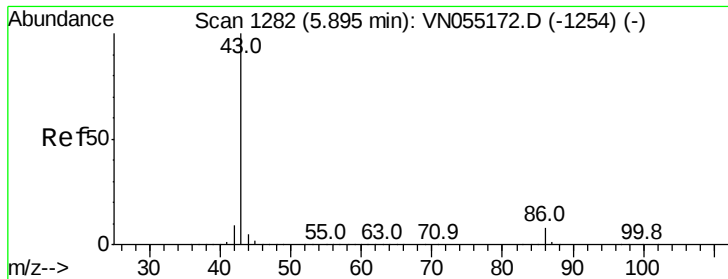
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 237.835 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2982161

Ion Ratio Lower Upper

43 100

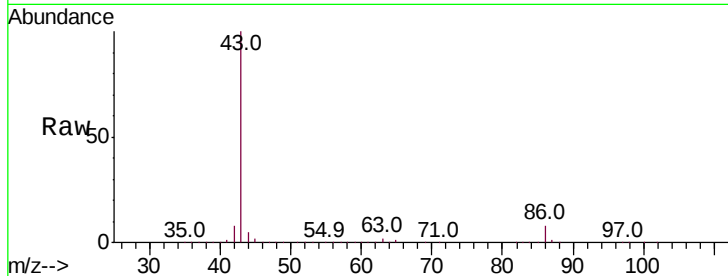
86 8.4 6.8 10.2

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Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC

1000000

800000

600000

400000

200000

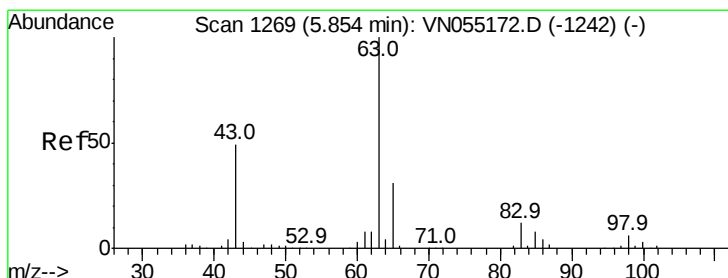
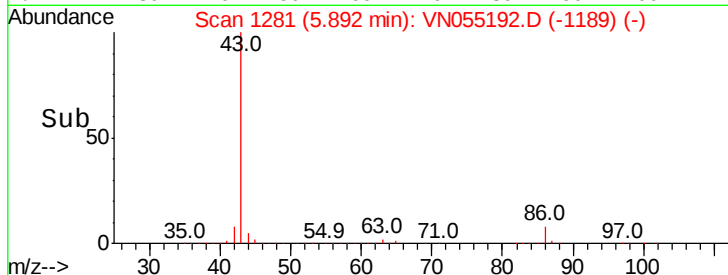
0

5.80

5.89

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 45.009 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

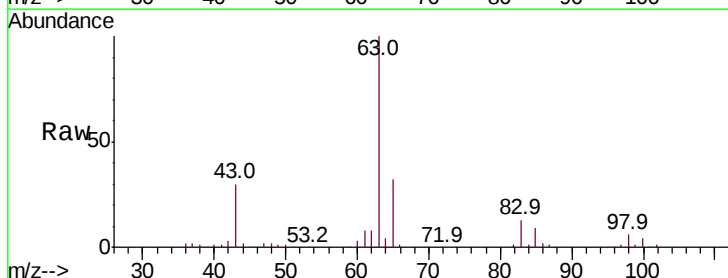
Tgt Ion: 63 Resp: 451729

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

Ion 99.90 (99.60 to 100.60): VNC

200000

150000

100000

50000

0

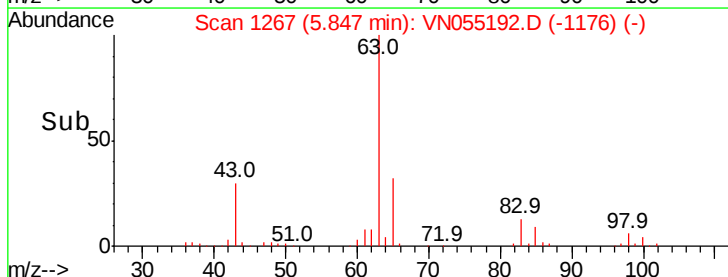
5.70

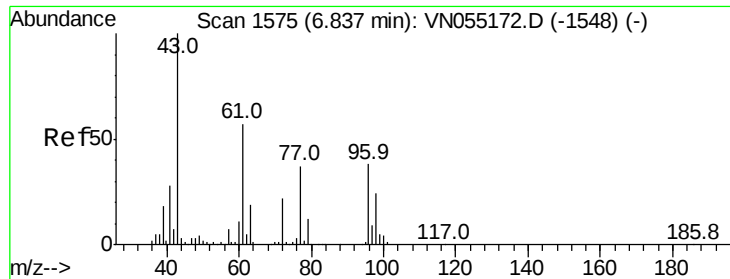
5.85

5.90

6.00

Time-->





#25

2-Butanone

Concen: 214.989 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 571592

Ion Ratio Lower Upper

43 100

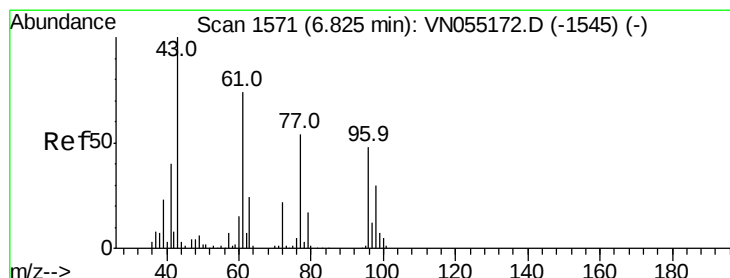
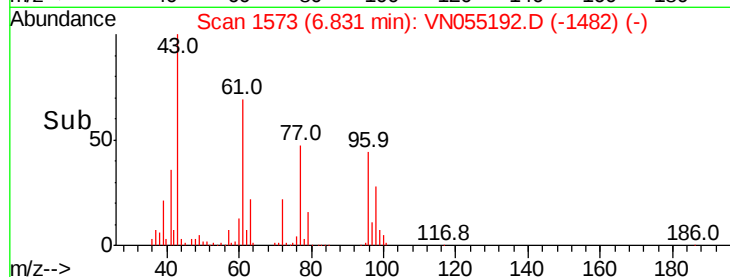
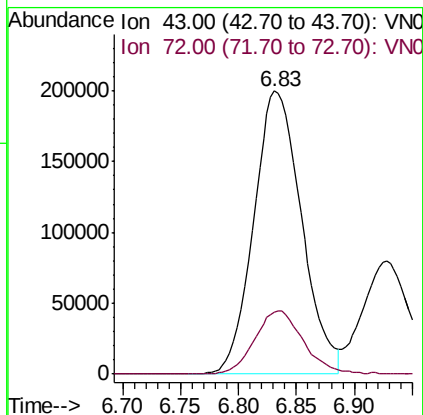
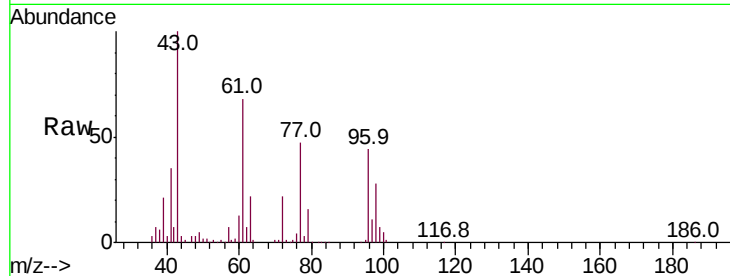
72 21.8 17.8 26.8

Manual Integrations

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MMDadoda

4/24/2019 12:43:40 PM



#26

2,2-Dichloropropane

Concen: 47.028 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055192.D

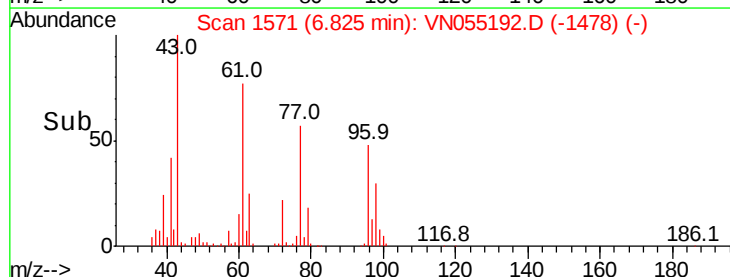
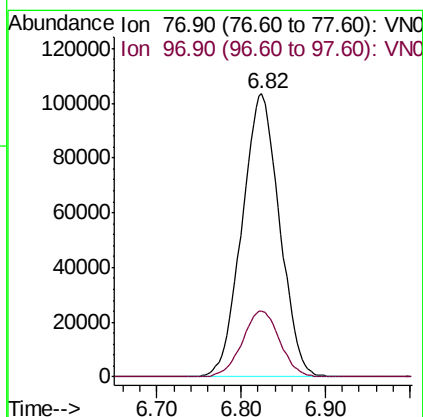
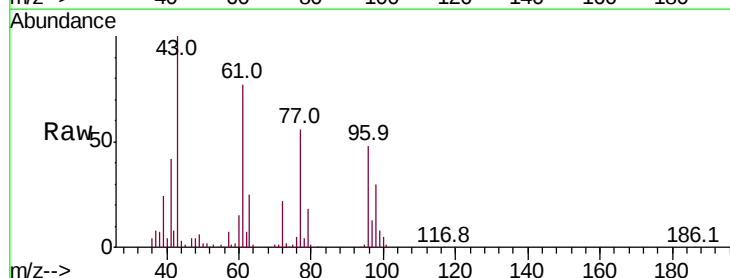
Acq: 23 Apr 2019 9:11

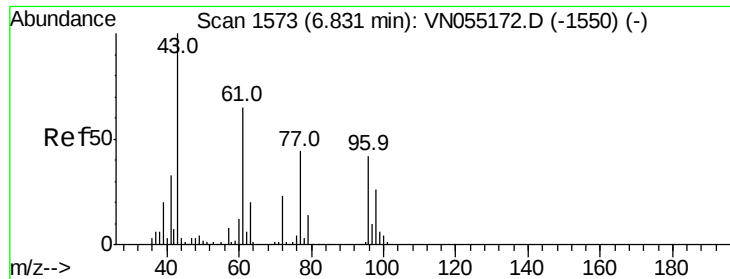
Tgt Ion: 77 Resp: 319403

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.8





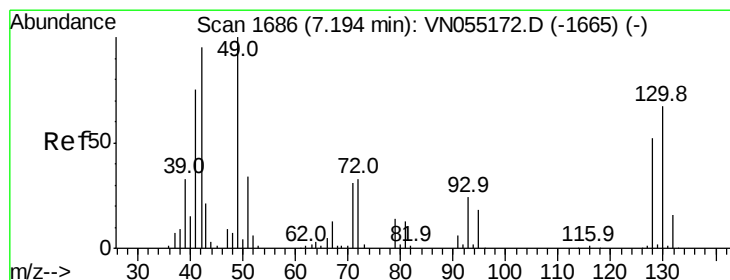
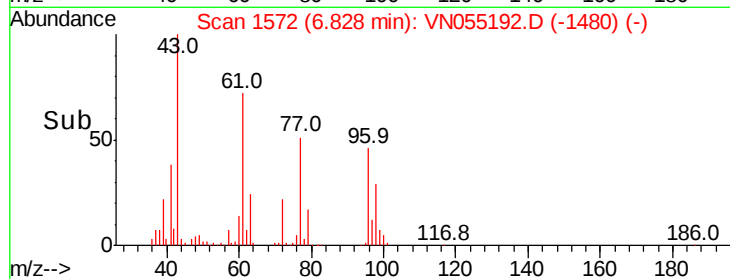
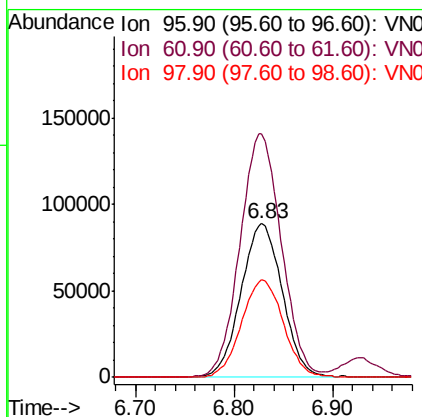
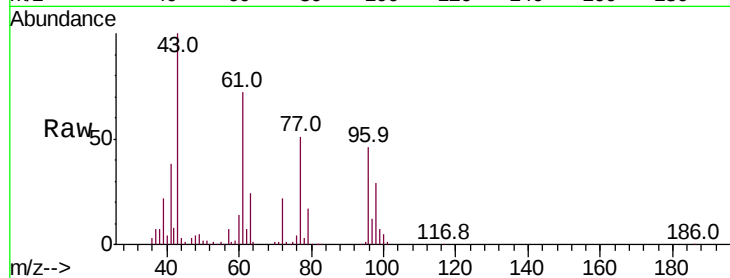
#27
 cis-1,2-Dichloroethene
 Concen: 45.102 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	258154		
61	158.8	0.0	310.8	
98	64.2	0.0	127.4	

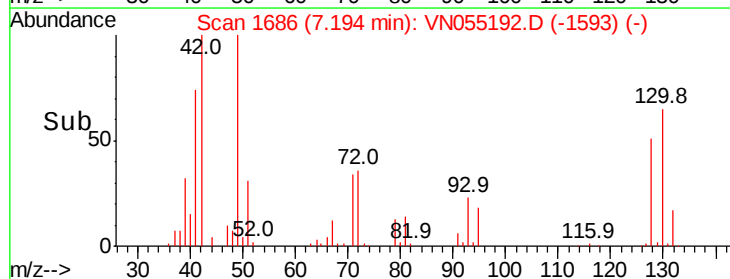
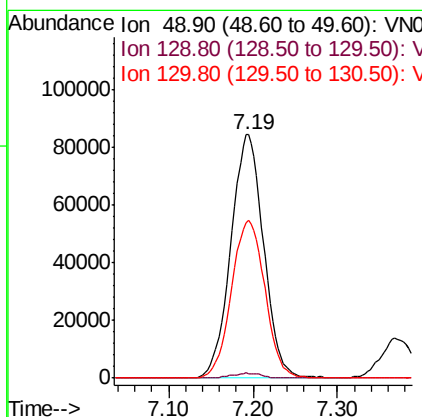
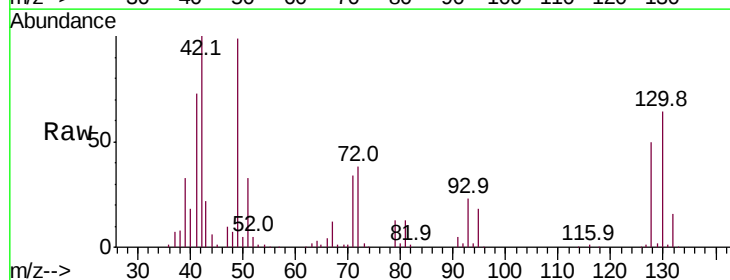
Manual Integrations
 APPROVED

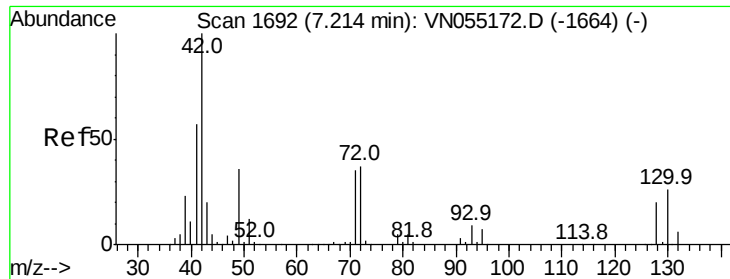
MMDadoda
 4/24/2019 12:43:40 PM



#28
 Bromochloromethane
 Concen: 44.541 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	227873		
129	1.9	0.0	3.8	
130	66.0	53.4	80.2	





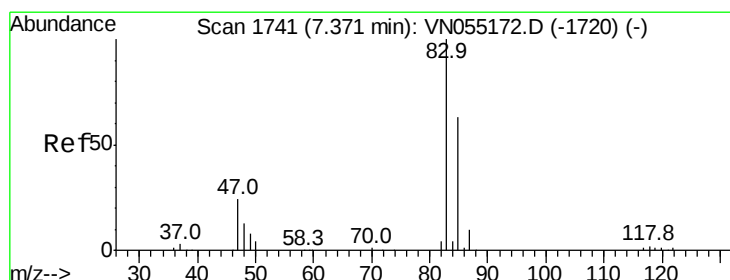
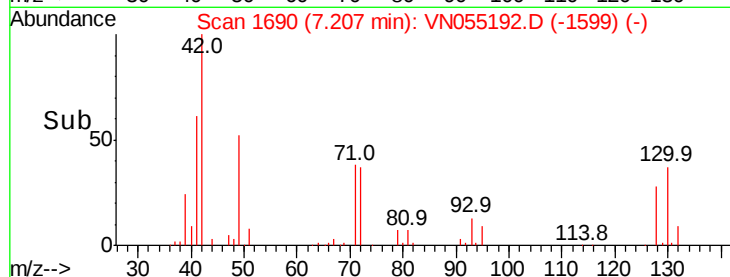
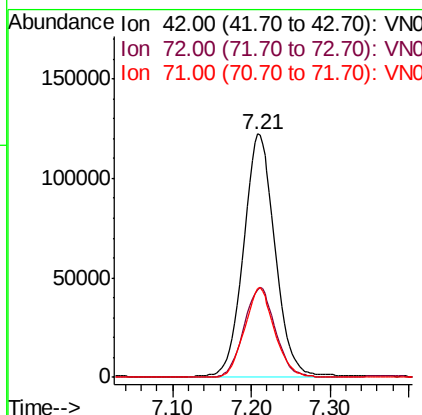
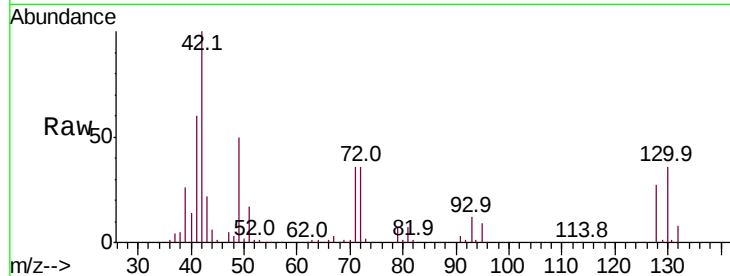
#29
Tetrahydrofuran
Concen: 210.792 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.4	44.2
71	35.4	27.8	41.8

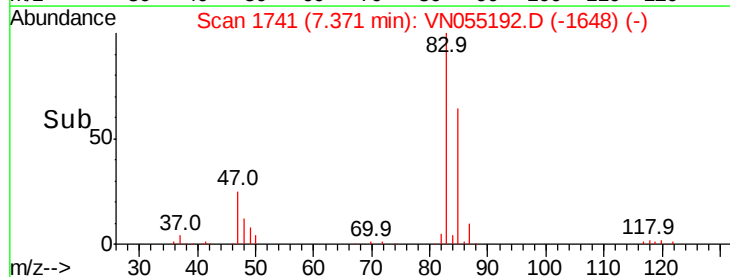
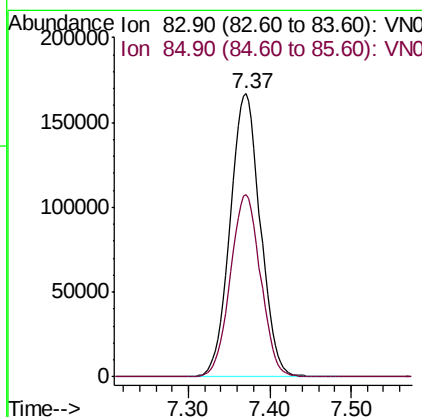
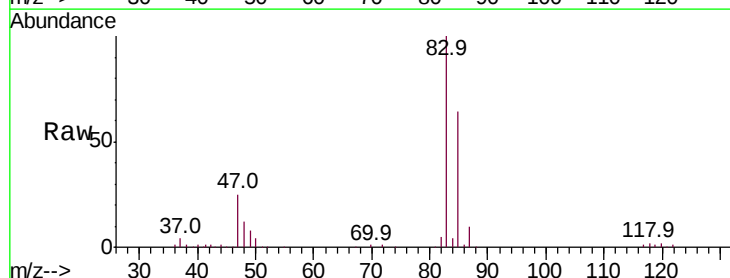
Manual Integrations
APPROVED

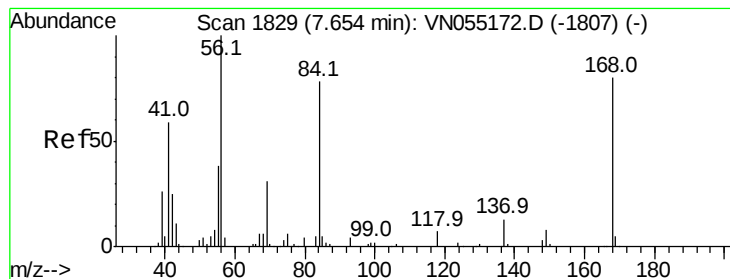
MMDadoda
4/24/2019 12:43:40 PM



#30
Chloroform
Concen: 45.287 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0





#31

Cyclohexane

Concen: 47.616 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 56 Resp: 447990

Ion Ratio Lower Upper

56 100

69 30.2 24.6 37.0

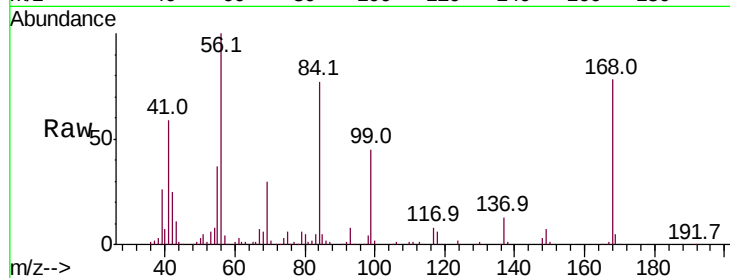
84 76.0 61.4 92.2

Manual Integrations

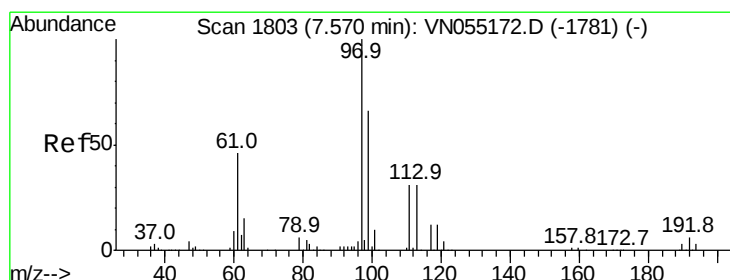
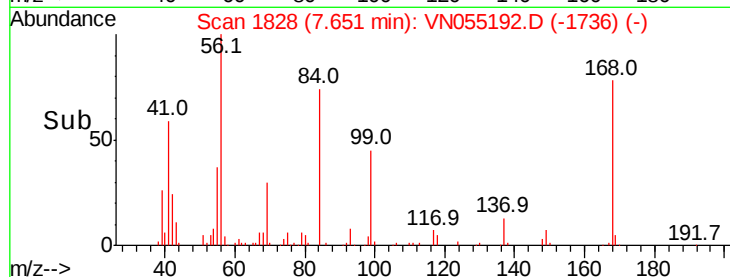
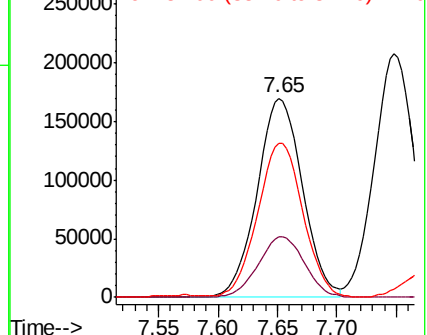
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 46.784 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

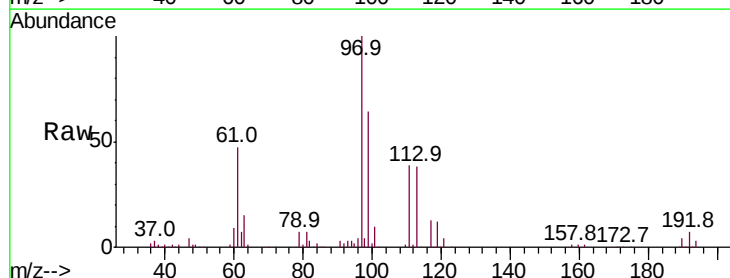
Tgt Ion: 97 Resp: 358826

Ion Ratio Lower Upper

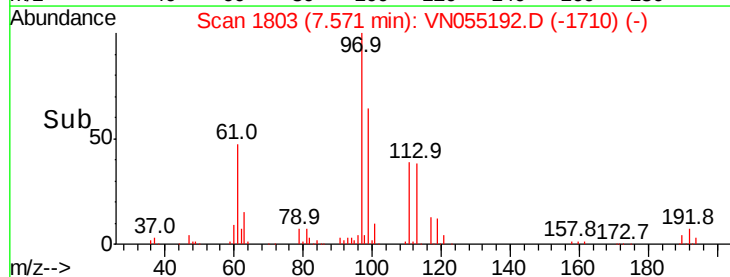
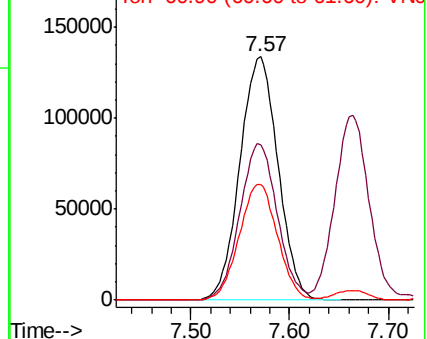
97 100

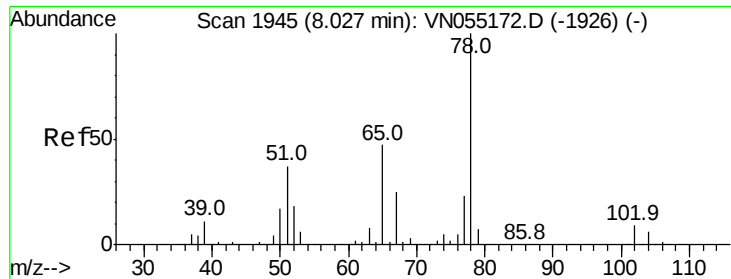
99 63.3 51.1 76.7

61 47.6 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 44.924 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 279856

Ion Ratio Lower Upper

65 100

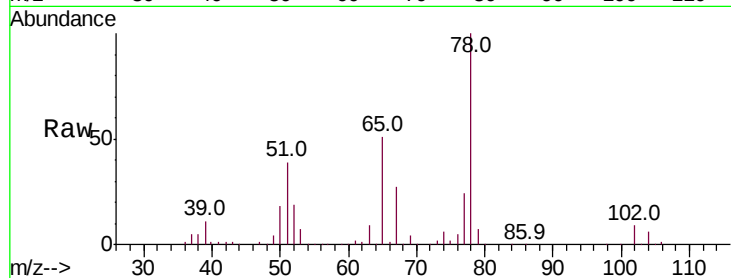
67 54.1 0.0 108.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN055192.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055192.D (-1926) (-)

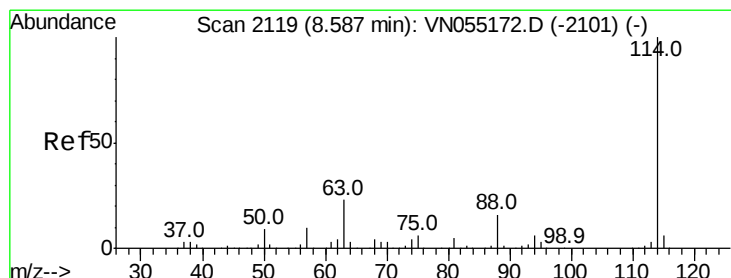
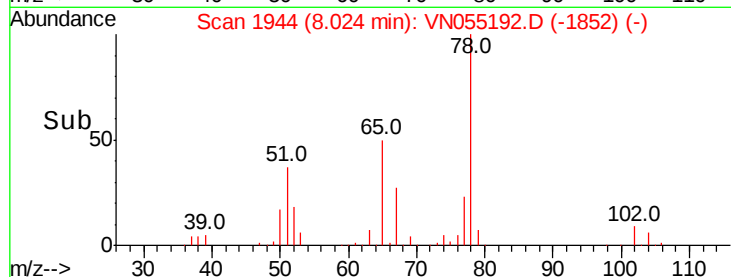
8.02

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

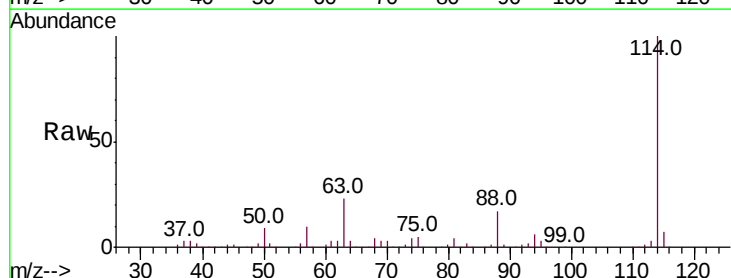
Tgt Ion: 114 Resp: 694351

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 16.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN055192.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055192.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055192.D (-2101) (-)

8.58

400000

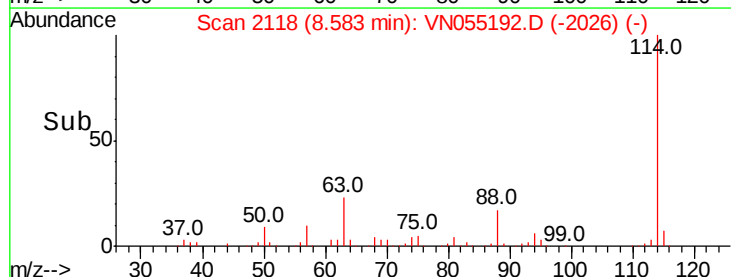
300000

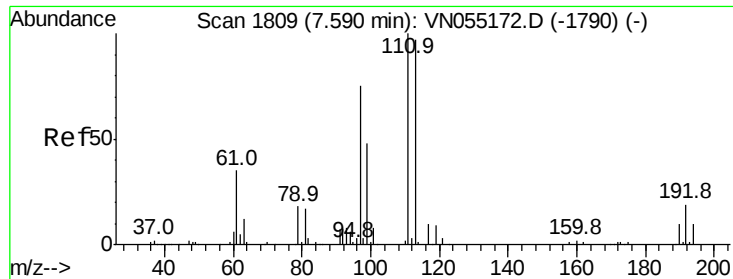
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.450 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

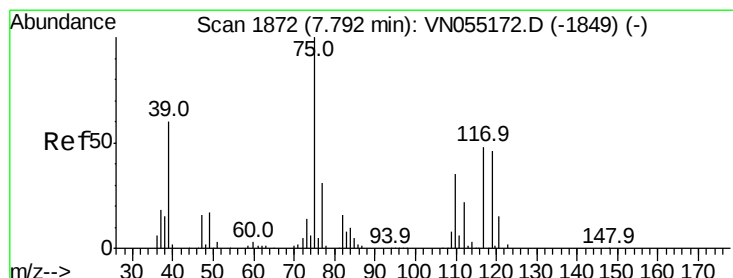
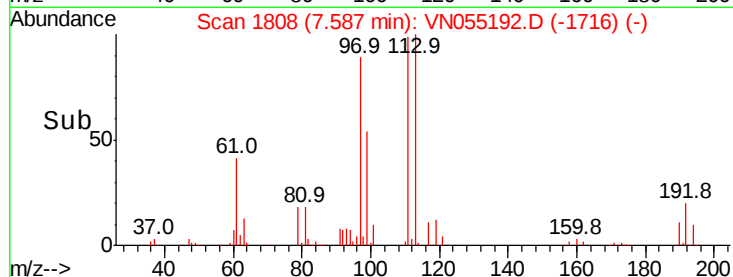
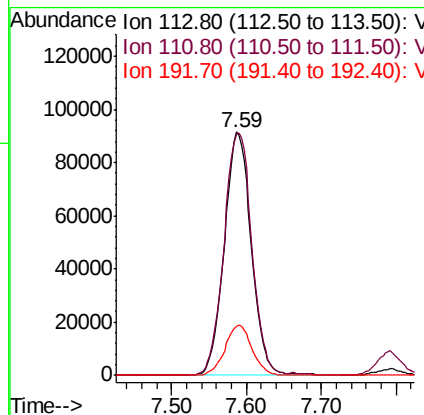
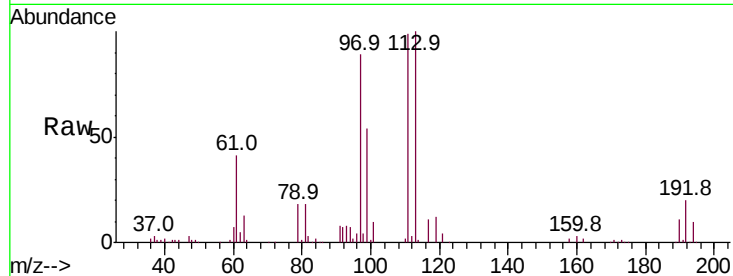
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	228540
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.0	121.4
192	20.6	16.2	24.4

Manual Integrations
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4/24/2019 12:43:40 PM



#36

1,1-Dichloropropene

Concen: 52.356 ug/l

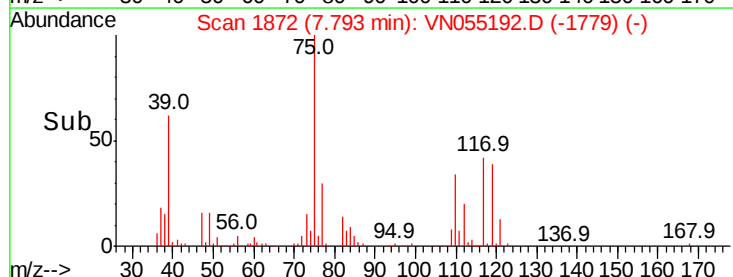
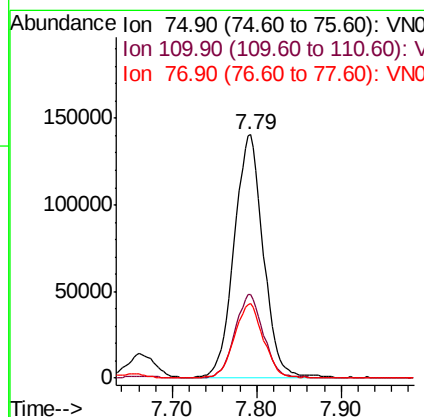
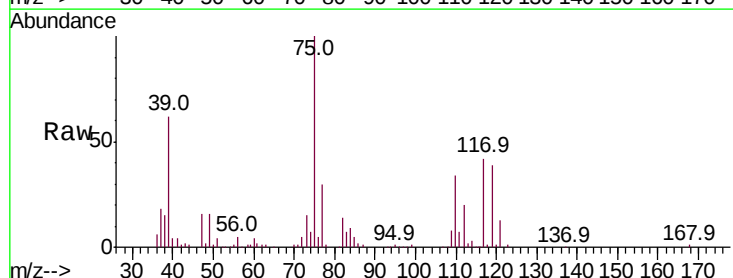
RT: 7.79 min Scan# 1872

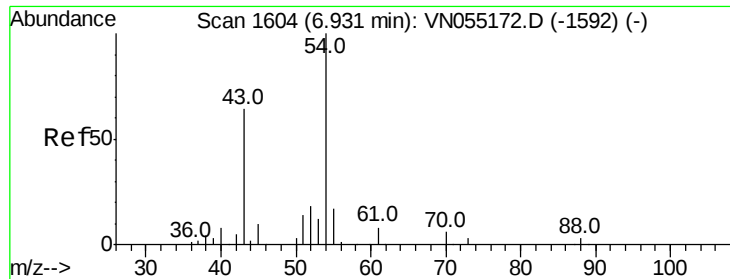
Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Tgt Ion:	75	Resp:	337417
Ion Ratio	Lower	Upper	
75	100		
110	34.0	17.1	51.2
77	30.6	24.6	36.8





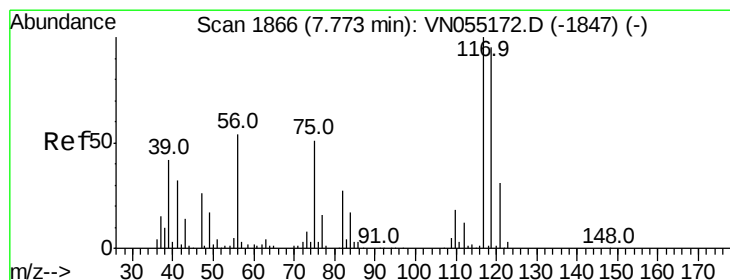
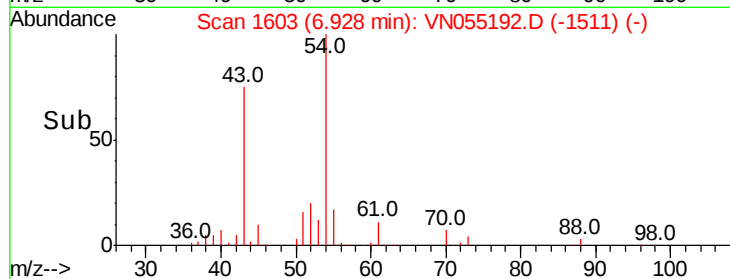
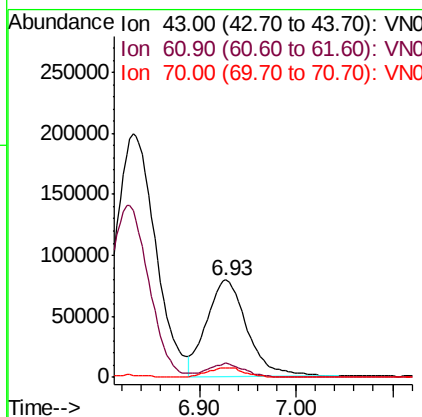
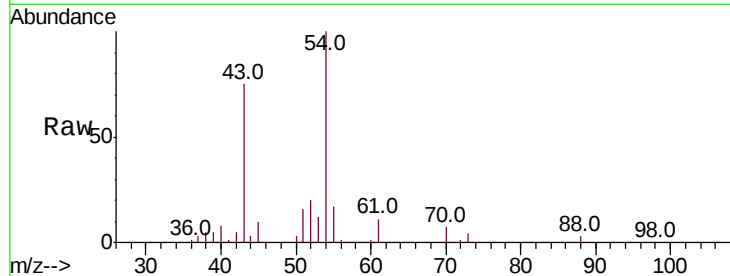
#37
Ethyl Acetate
Concen: 44.218 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.7	14.5
70	9.0	6.9	10.3

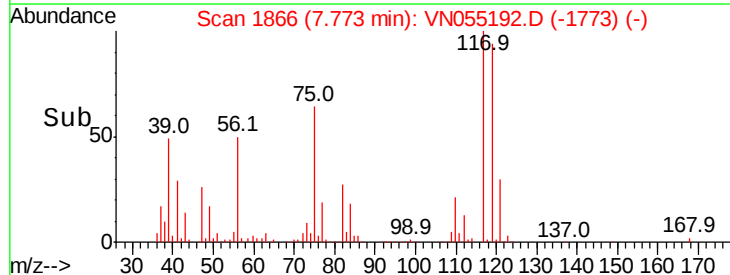
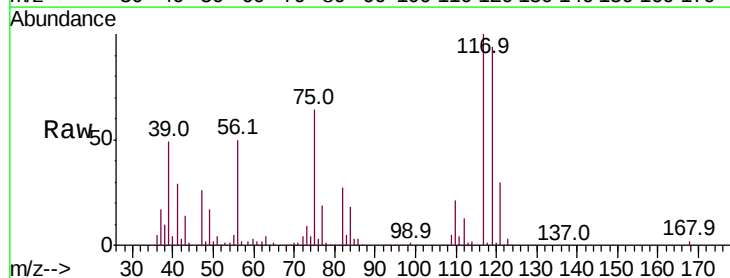
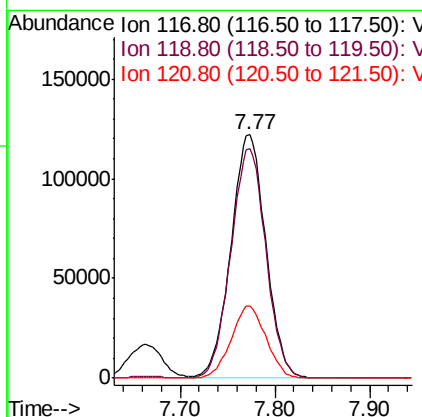
Manual Integrations
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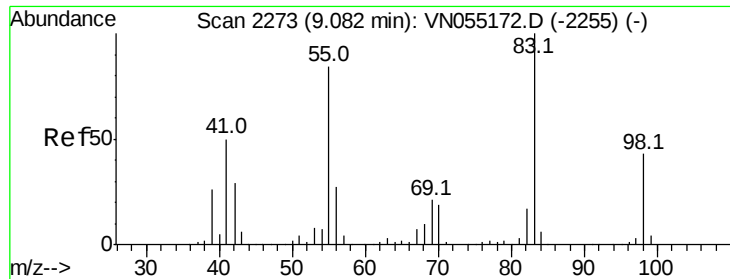
MMDadoda
4/24/2019 12:43:40 PM



#38
Carbon Tetrachloride
Concen: 51.873 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.0	114.0
121	29.8	24.6	36.8





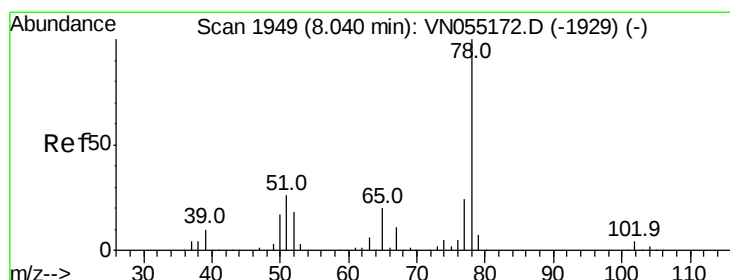
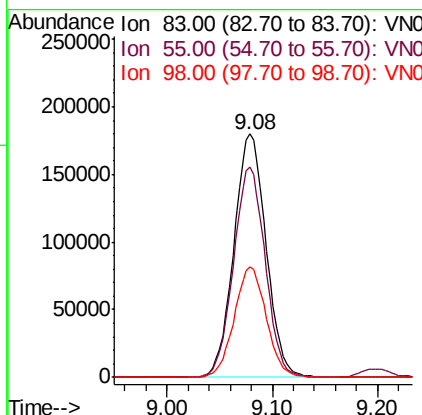
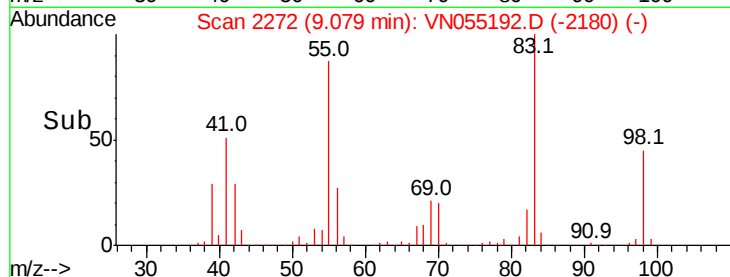
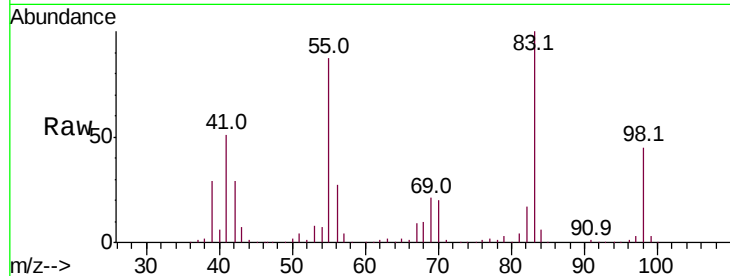
#39
Methvlcvclohexane
Concen: 49.499 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	86.6	67.4	101.0	
98	45.5	34.7	52.1	

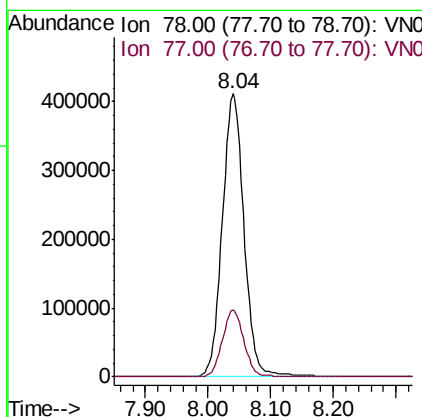
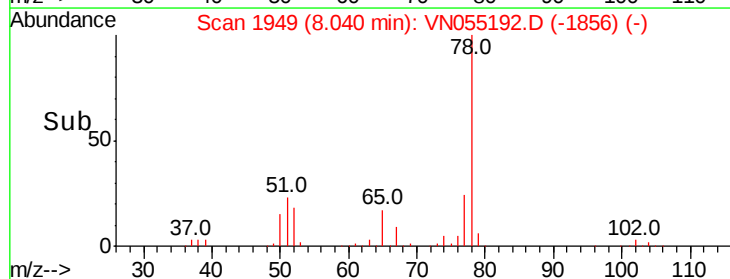
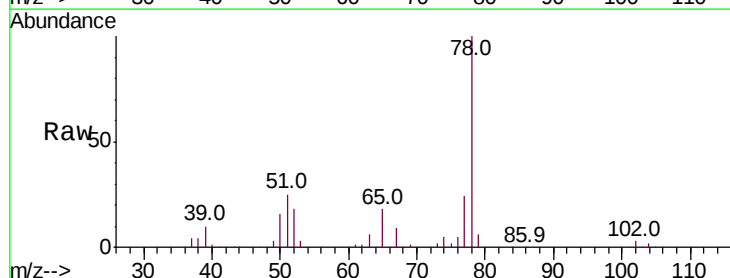
Manual Integrations
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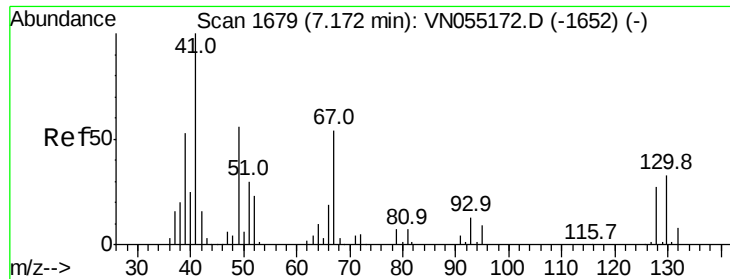
MMDadoda
4/24/2019 12:43:40 PM



#40
Benzene
Concen: 49.638 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.5	29.3	





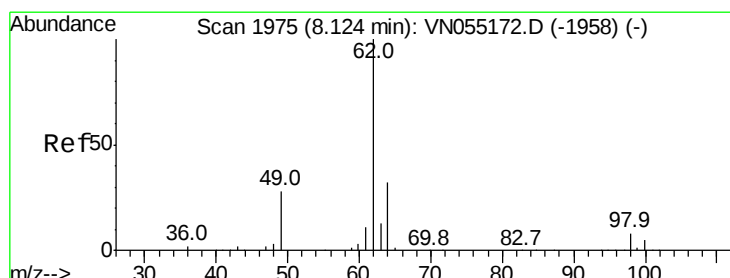
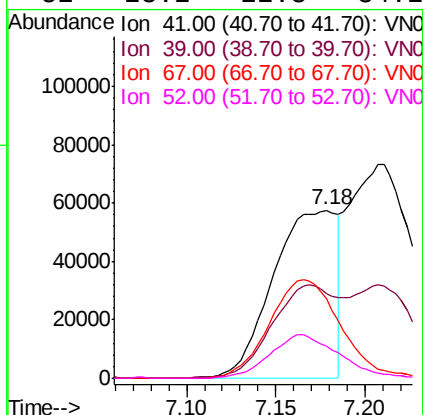
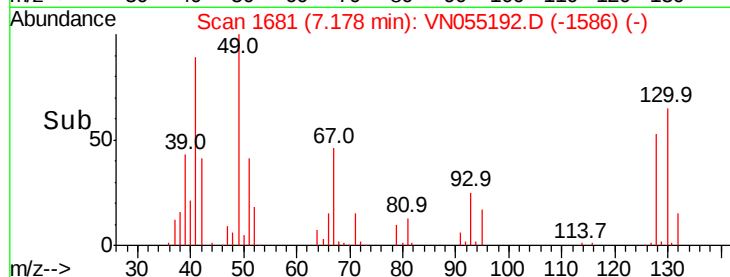
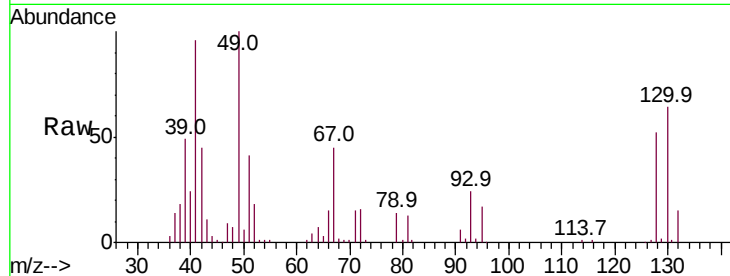
#41
Methacrylonitrile
Concen: 52.509 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	45.4	68.0	
67	65.7	54.6	81.8	
52	28.2	22.8	34.2	

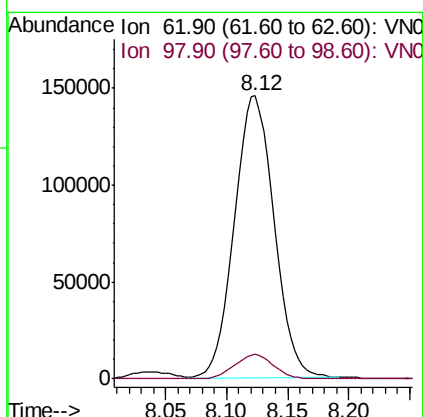
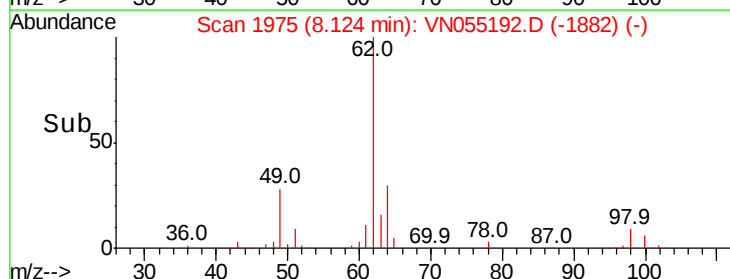
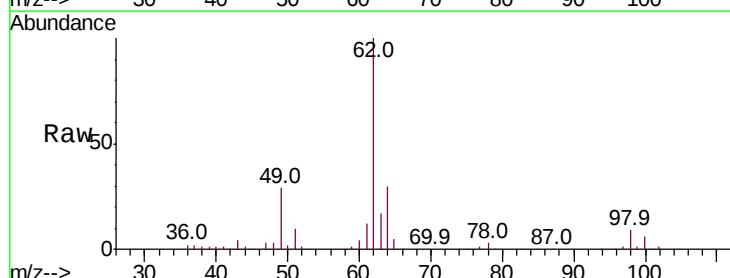
Manual Integrations
APPROVED

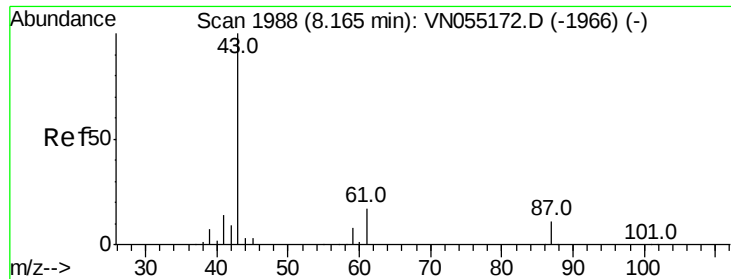
MMDadoda
4/24/2019 12:43:40 PM



#42
1,2-Dichloroethane
Concen: 47.526 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

Isopropyl Acetate

Concen: 47.691 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

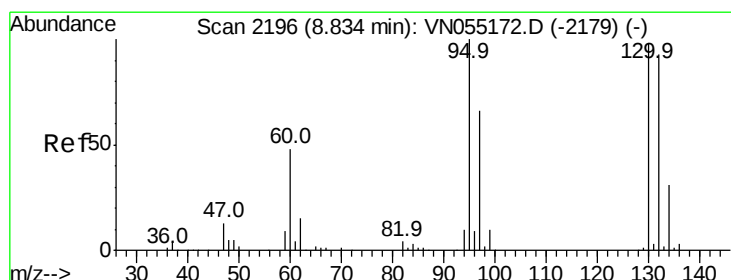
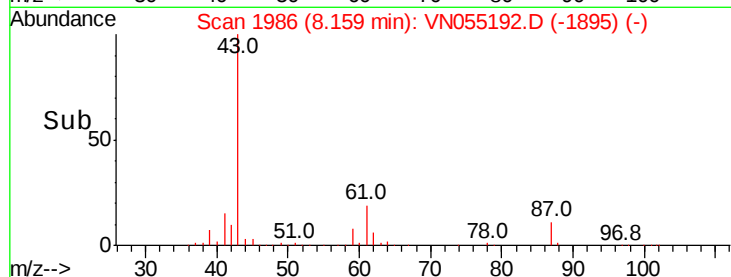
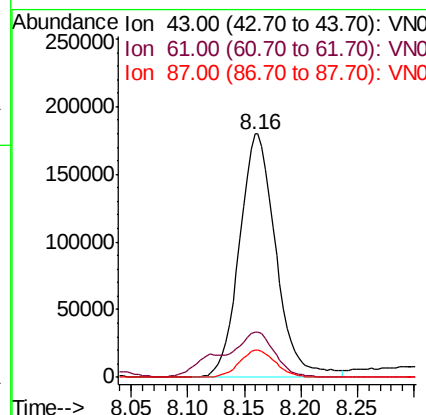
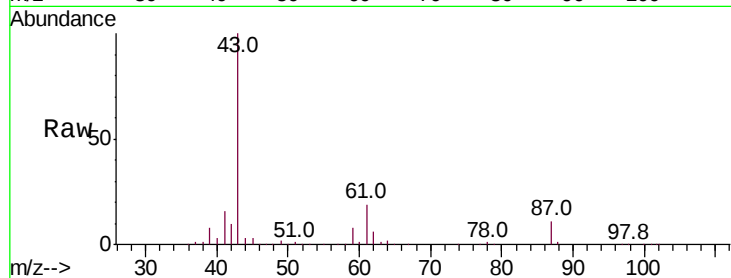
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	401661
Ion Ratio	Lower	Upper	
43	100		
61	18.3	20.6	30.8#
87	11.1	8.8	13.2

Manual Integrations
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#44

Trichloroethene

Concen: 49.923 ug/l

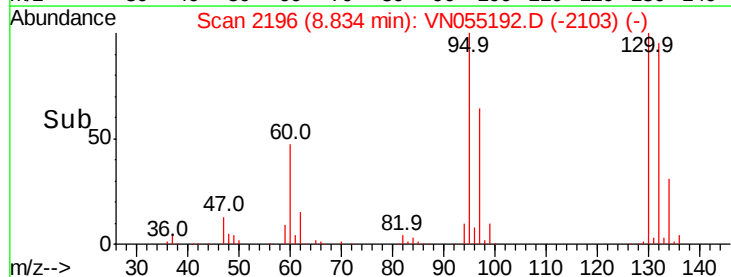
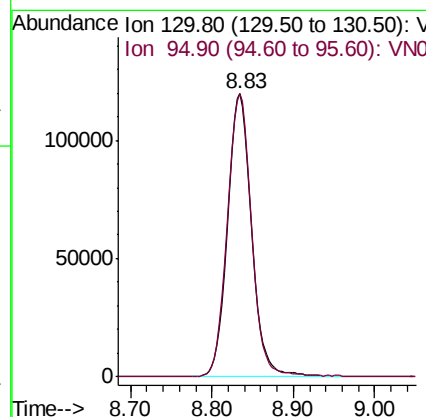
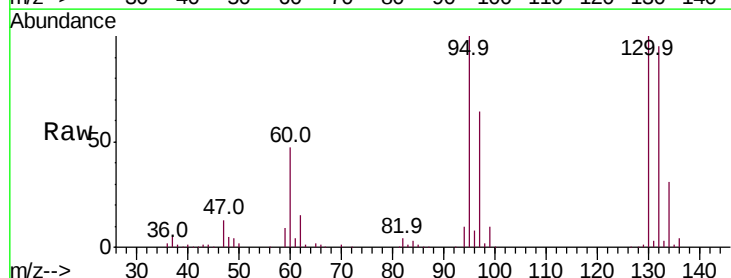
RT: 8.83 min Scan# 2196

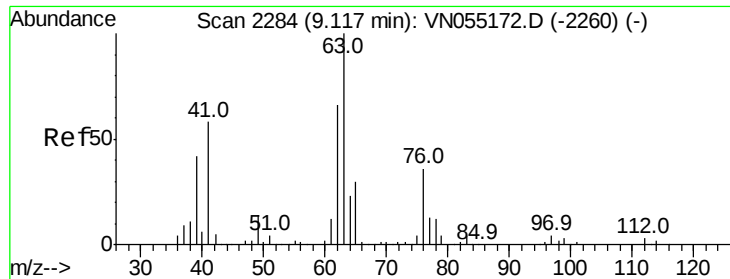
Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Tgt Ion:	130	Resp:	251027
Ion Ratio	Lower	Upper	
130	100		
95	100.0	0.0	203.6





#45

1,2-Dichloropropane

Concen: 48.151 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 270400

Ion Ratio Lower Upper

63 100

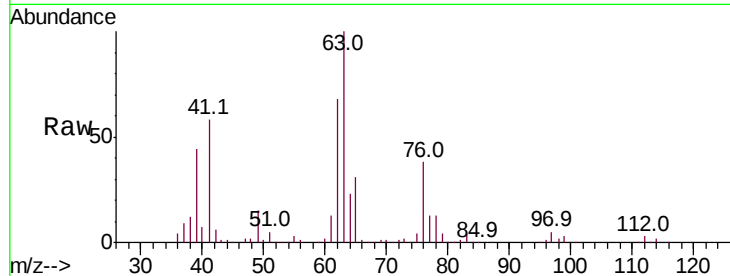
65 30.8 23.8 35.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

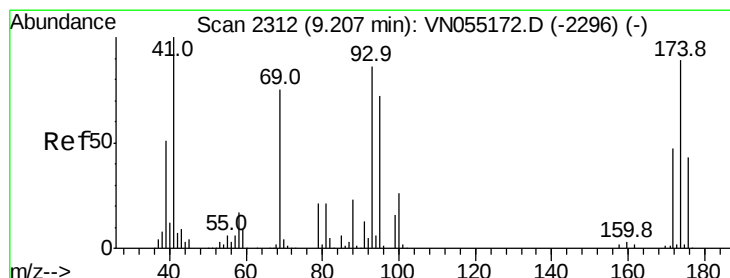
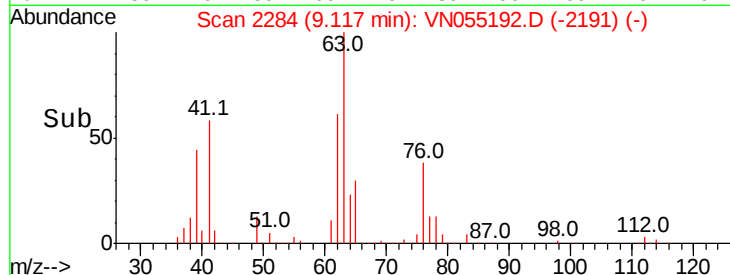
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 47.503 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

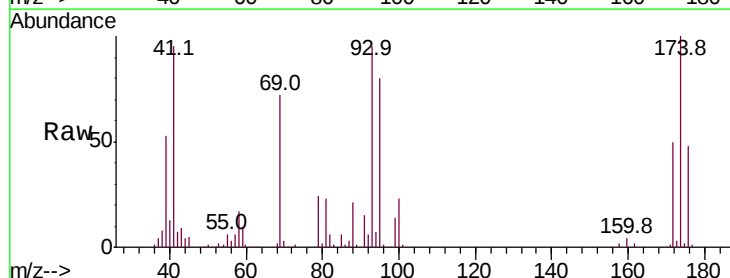
Tgt Ion: 93 Resp: 152708

Ion Ratio Lower Upper

93 100

95 82.6 67.6 101.4

174 102.7 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

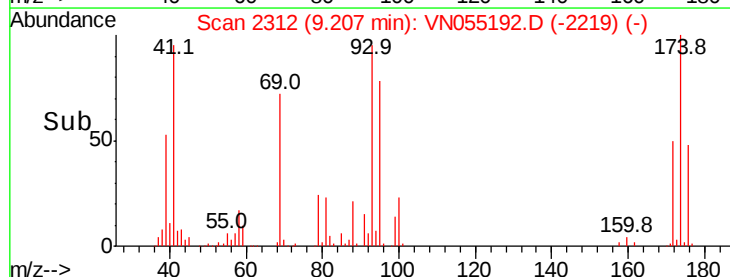
40000

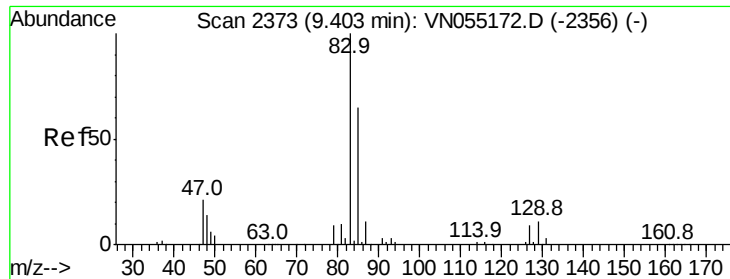
20000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 50.753 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

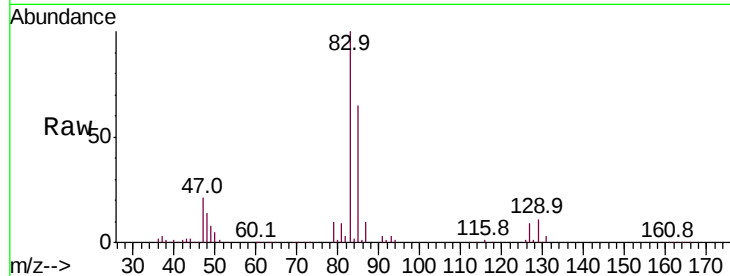
ClientSampleId :

VSTDCCC050

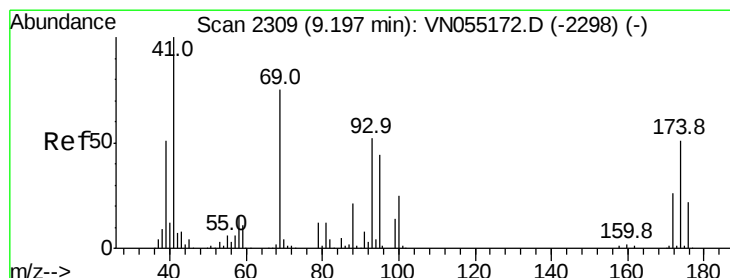
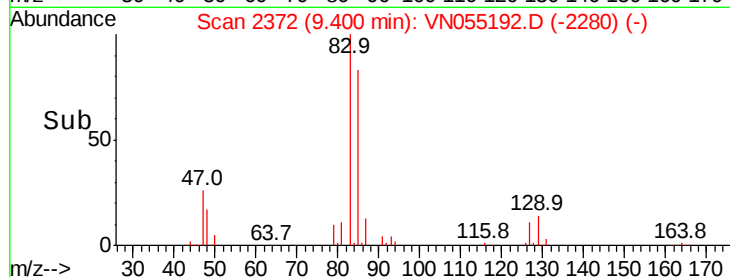
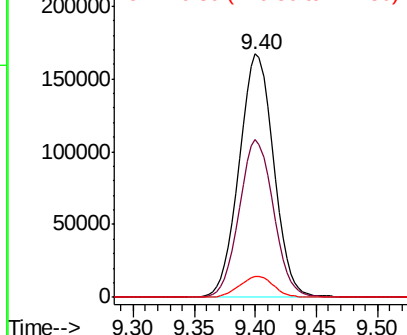
Tot Ion:	83	Resp:	326622
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.1	78.1
127	8.7	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 46.714 ug/l

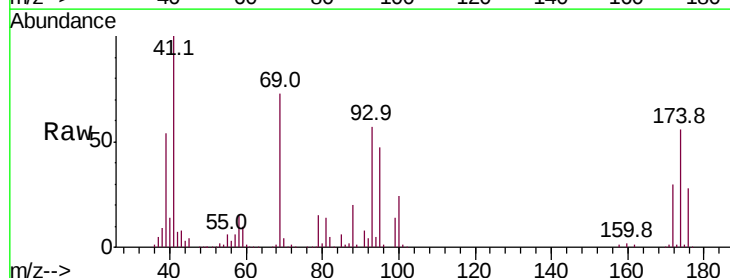
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

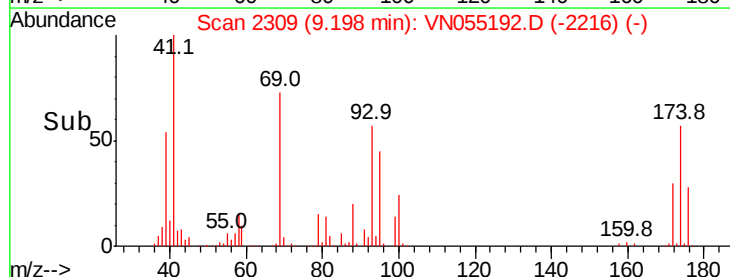
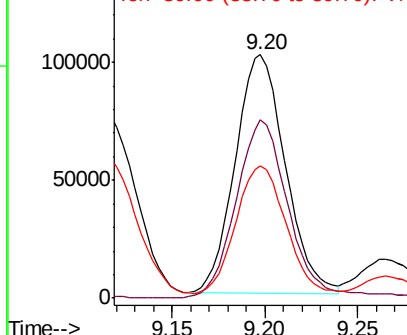
Lab File: VN055192.D

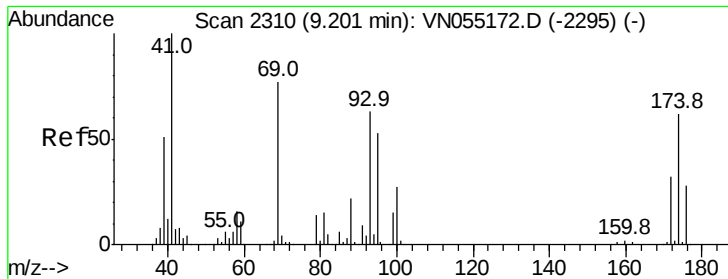
Acq: 23 Apr 2019 9:11

Tgt Ion:	41	Resp:	190847
Ion Ratio	Lower	Upper	
41	100		
69	78.9	63.6	95.4
39	56.5	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 931.464 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

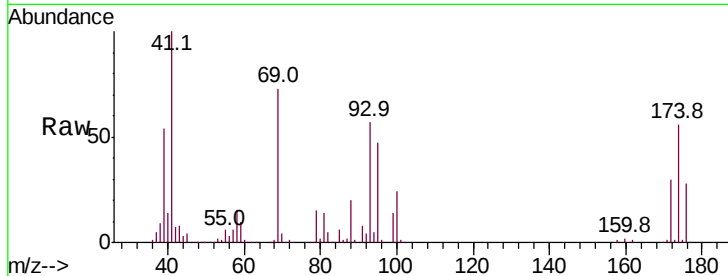
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	43946
Ion	Ratio	Lower	Upper
88	100		
43	38.3	32.0	48.0
58	77.2	60.4	90.6

Manual Integrations
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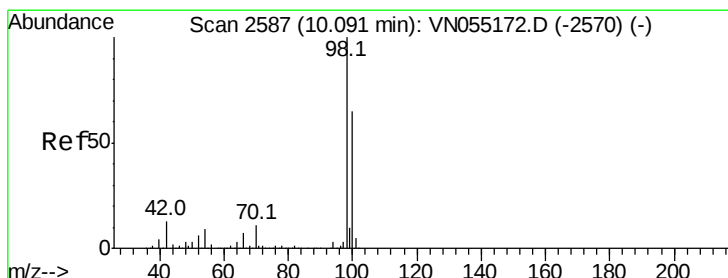
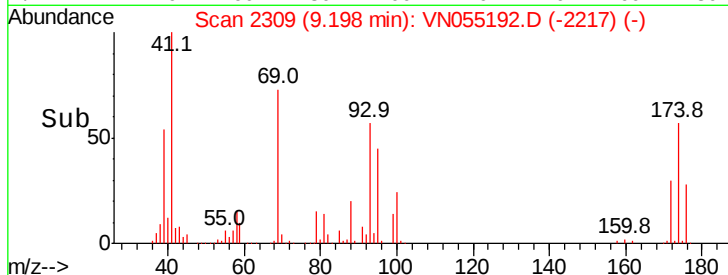
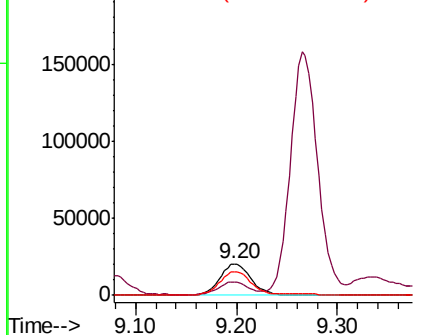
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Abundance Ion 88.00 (87.70 to 88.70): VN055192.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055192.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055192.D (-2217) (-)



#50

Toluene-d8

Concen: 48.904 ug/l

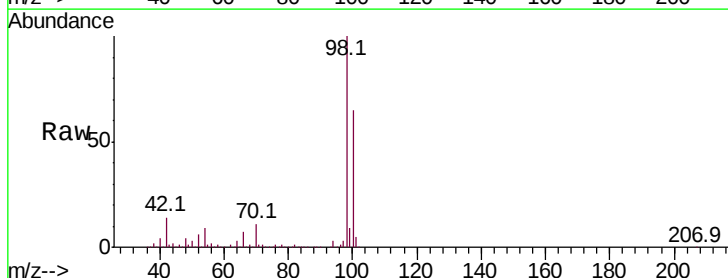
RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055192.D

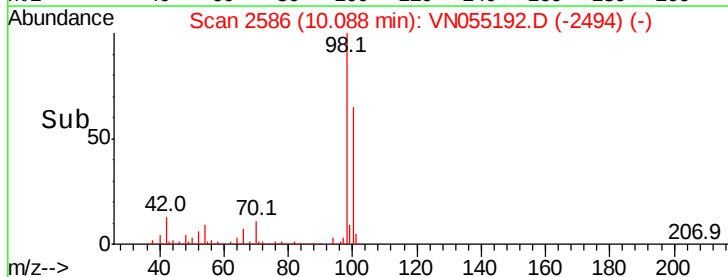
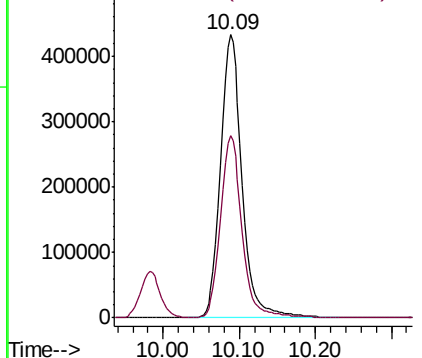
Acq: 23 Apr 2019 9:11

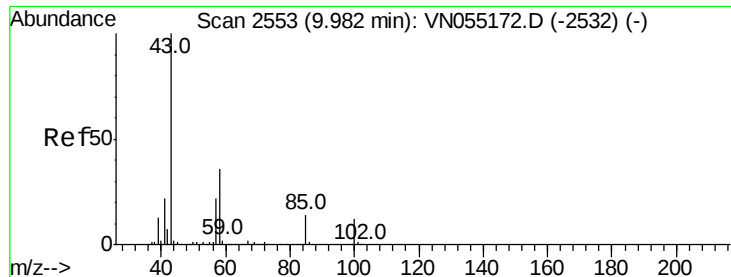
Tgt Ion:	98	Resp:	854717
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055192.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055192.D (-2494) (-)





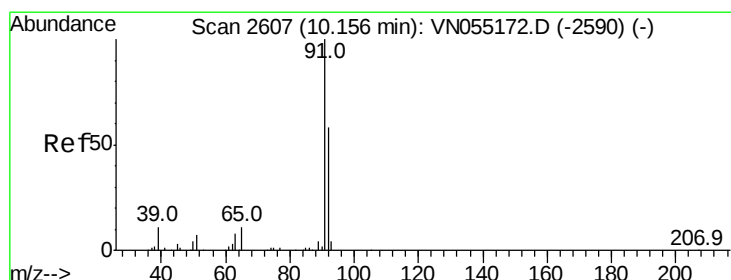
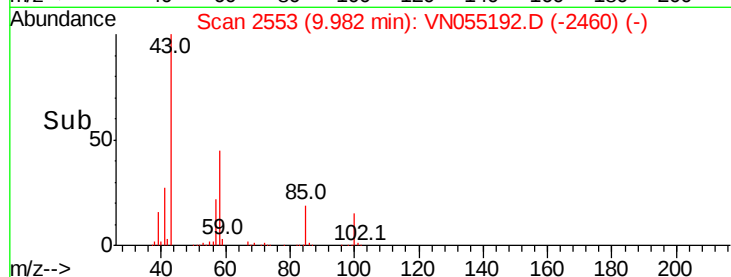
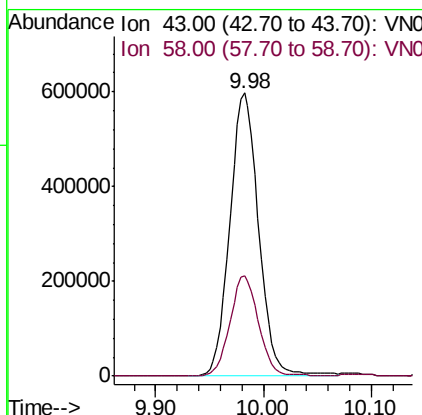
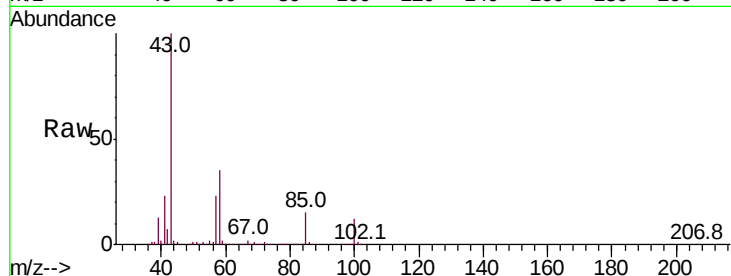
#51
4-Methyl-2-Pentanone
Concen: 229.353 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1111536
Ion Ratio Lower Upper
43 100
58 35.3 28.3 42.5

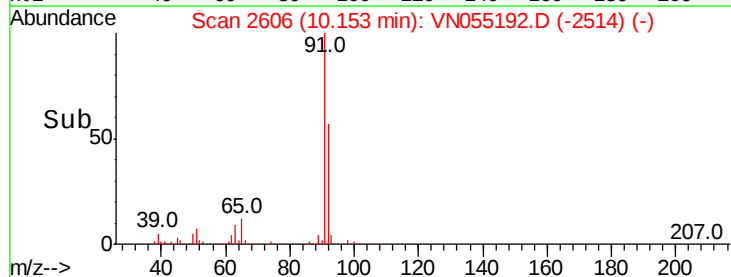
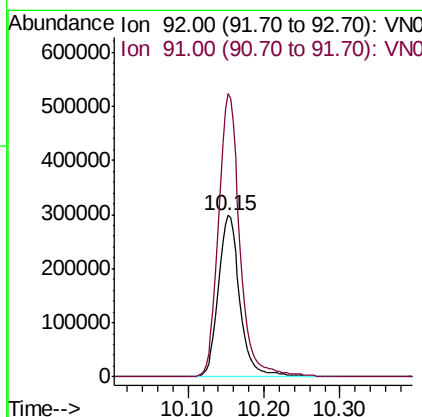
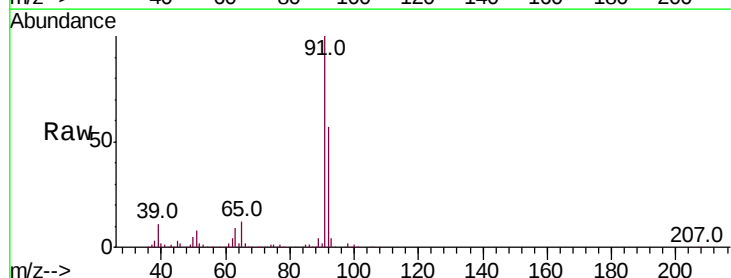
Manual Integrations
APPROVED

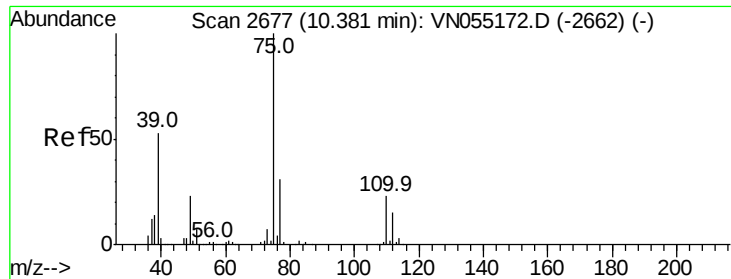
MMDadoda
4/24/2019 12:43:40 PM



#52
Toluene
Concen: 50.262 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion: 92 Resp: 586187
Ion Ratio Lower Upper
92 100
91 174.2 138.7 208.1





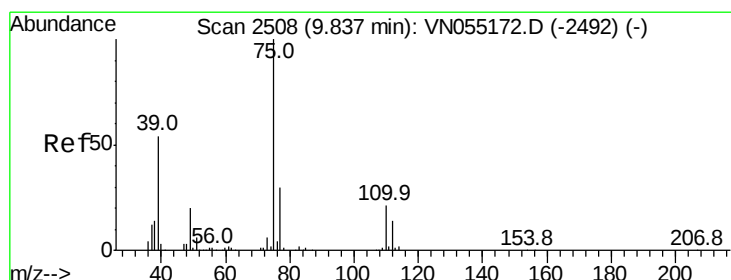
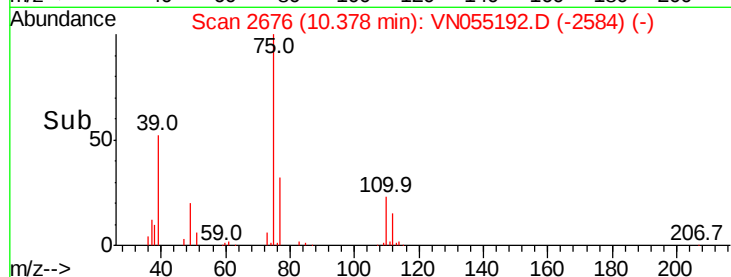
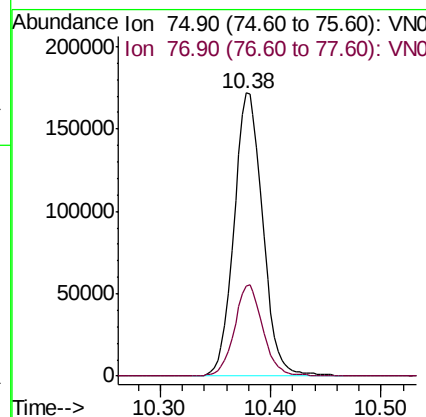
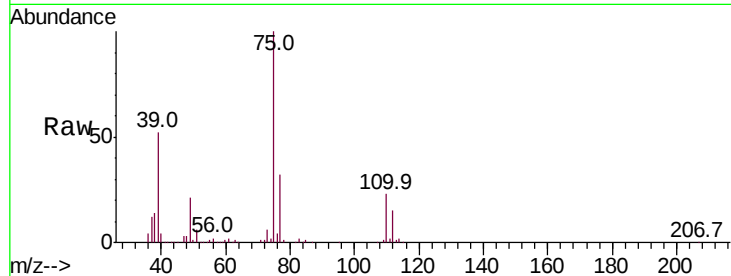
#53
t-1,3-Dichloropropene
Concen: 52.653 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7

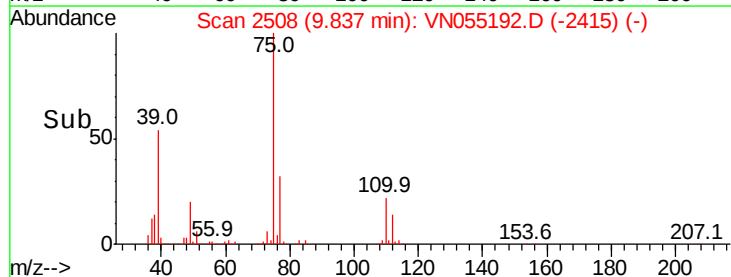
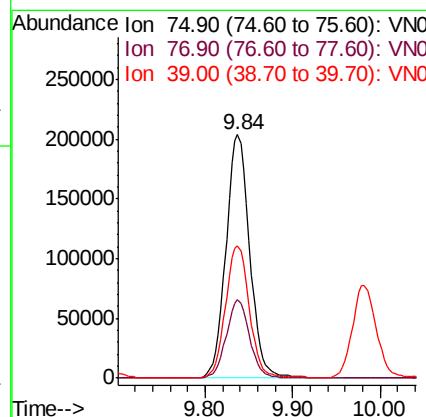
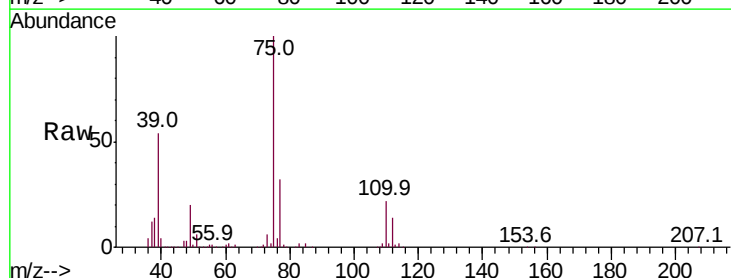
Manual Integrations
APPROVED

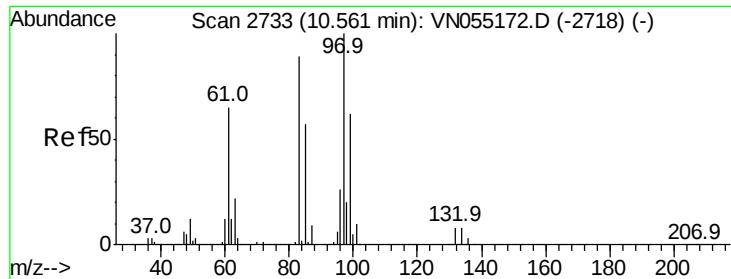
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#54
cis-1,3-Dichloropropene
Concen: 52.414 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.3	36.5
39	54.1	43.0	64.4





#55

1,1,2-Trichloroethane

Concen: 46.980 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

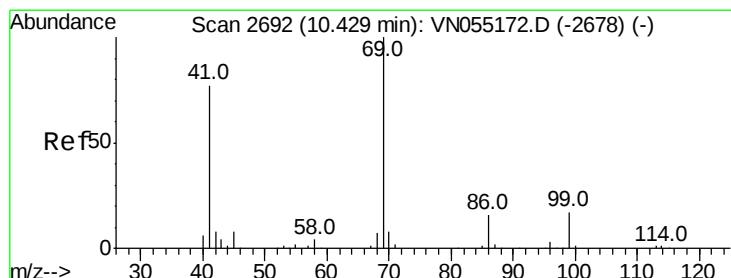
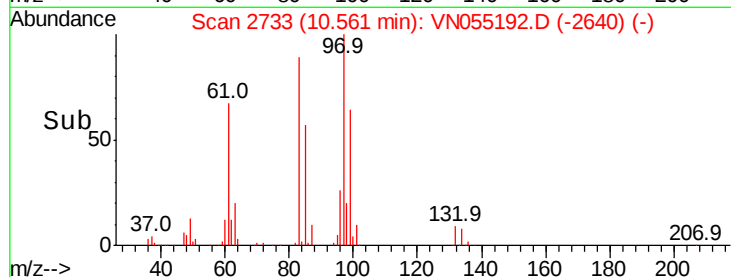
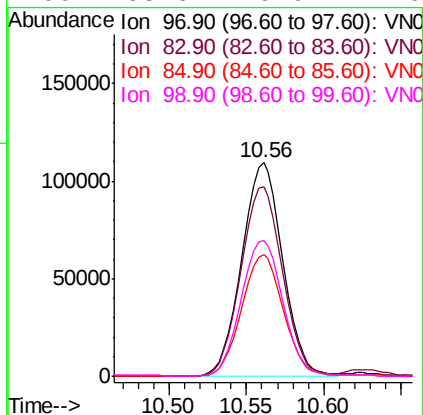
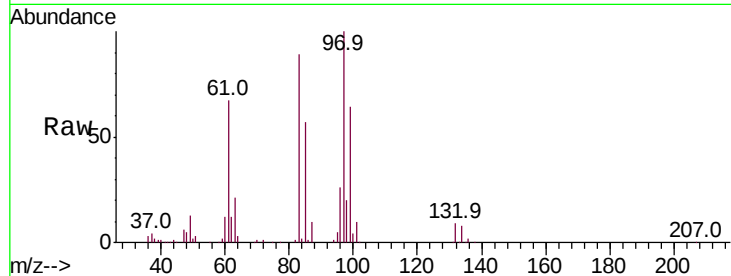
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	201999
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.5	107.3
85	57.2	45.8	68.6
99	63.6	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.908 ug/l

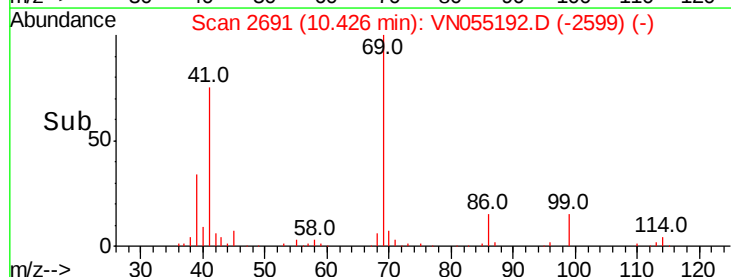
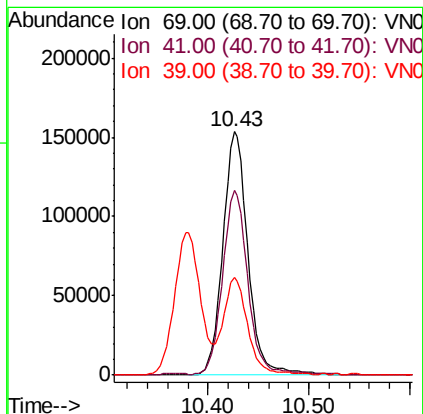
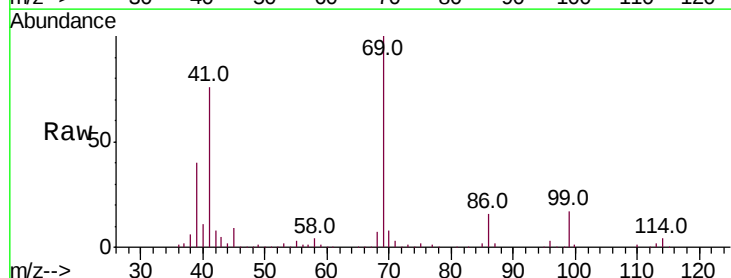
RT: 10.43 min Scan# 2691

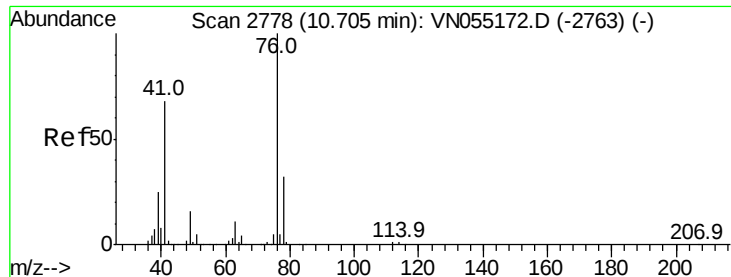
Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Tgt Ion	69	Resp	267324
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.6	90.8
39	38.3	31.7	47.5





#57

1,3-Dichloropropane

Concen: 48.982 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 366426

Ion Ratio Lower Upper

76 100

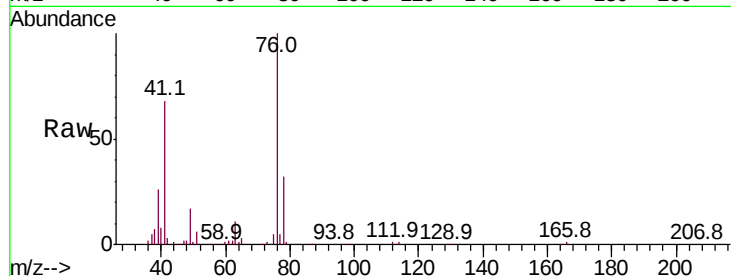
78 31.9 25.3 37.9

Manual Integrations

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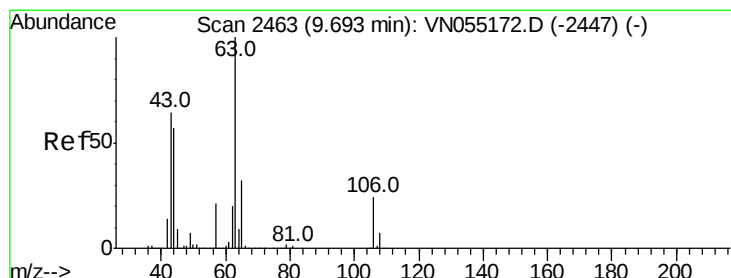
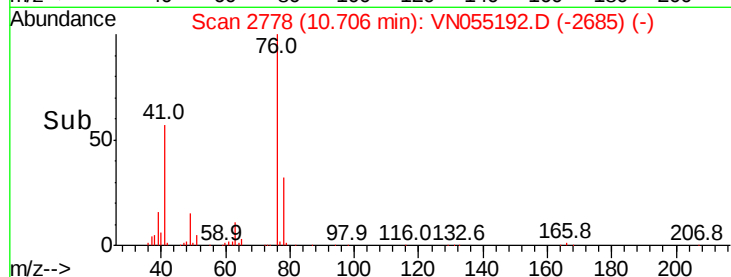
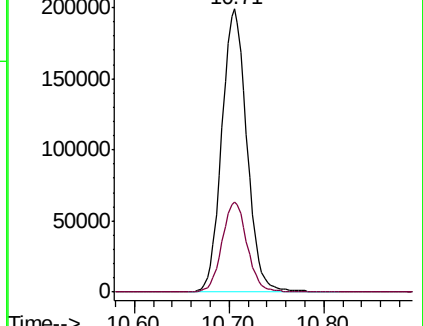
MMDadoda

4/24/2019 12:43:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 213.617 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055192.D

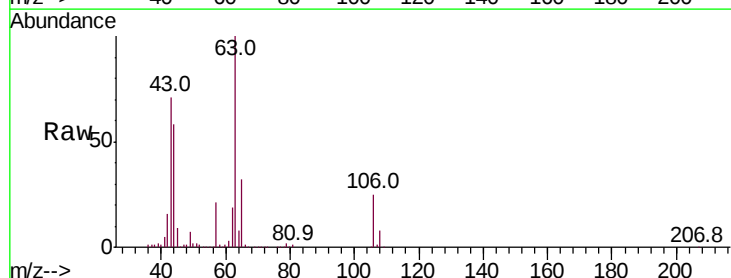
Acq: 23 Apr 2019 9:11

Tgt Ion: 63 Resp: 437336

Ion Ratio Lower Upper

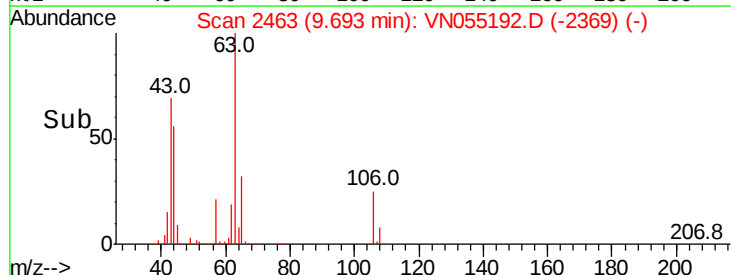
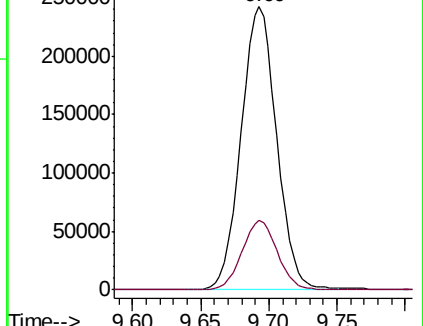
63 100

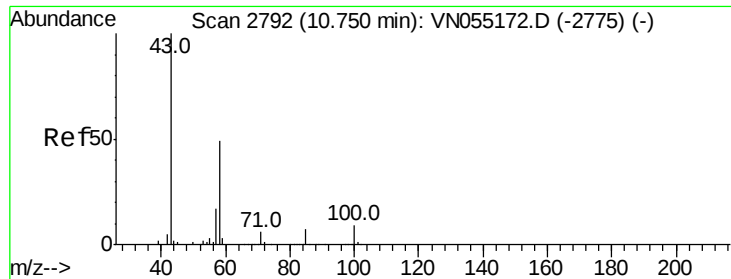
106 24.4 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





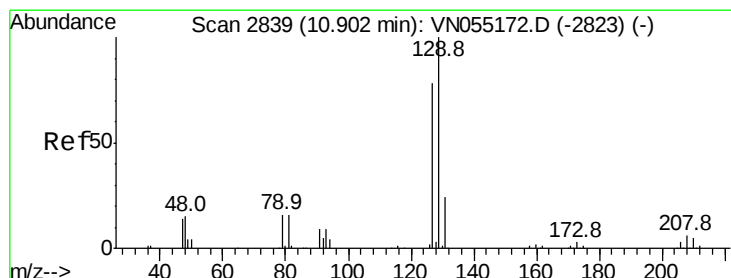
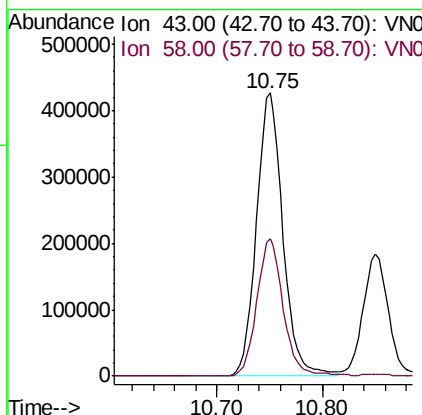
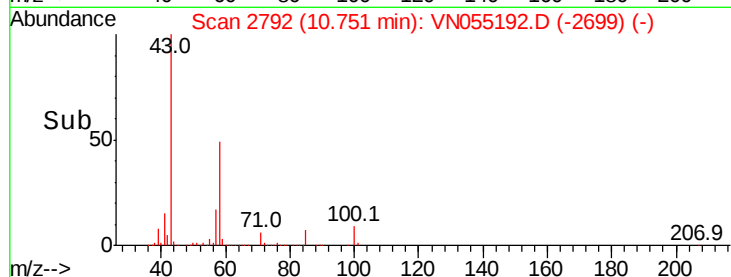
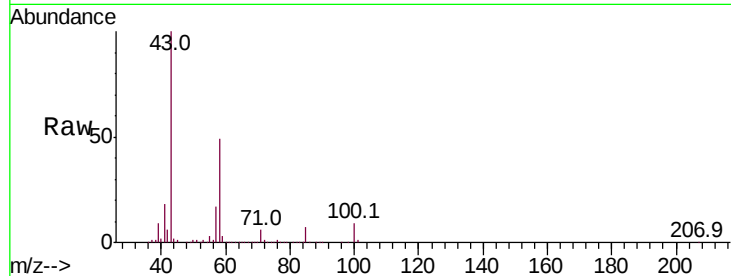
#59
2-Hexanone
Concen: 242.463 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 742230
Ion Ratio Lower Upper
43 100
58 48.7 24.5 73.5

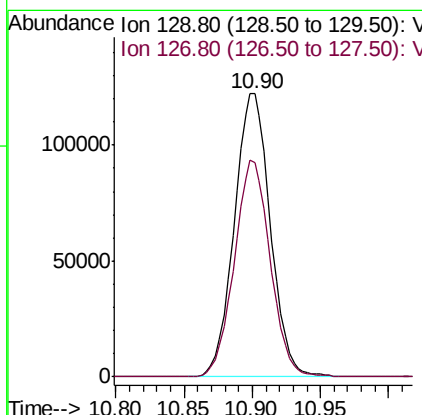
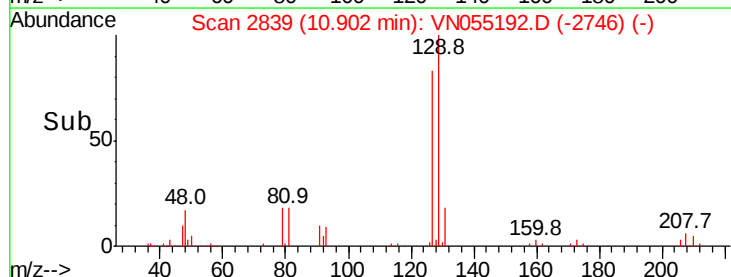
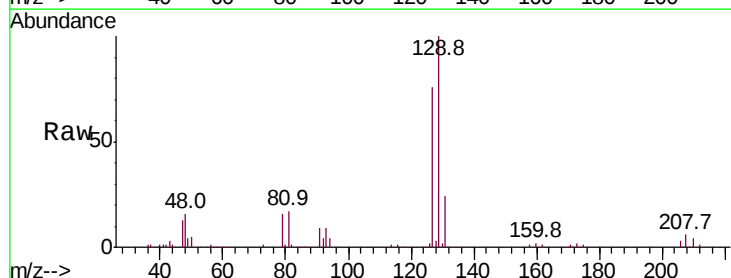
Manual Integrations
APPROVED

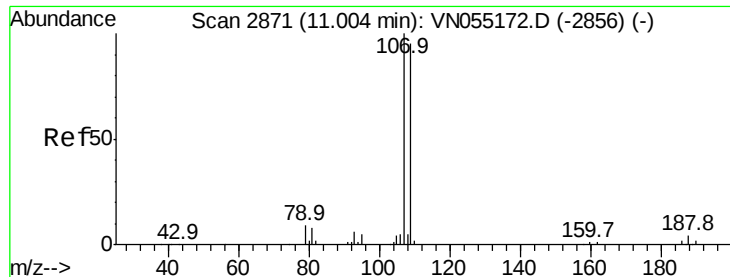
MMDadoda
4/24/2019 12:43:40 PM



#60
Dibromochloromethane
Concen: 50.616 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion: 129 Resp: 224166
Ion Ratio Lower Upper
129 100
127 76.4 39.0 117.0





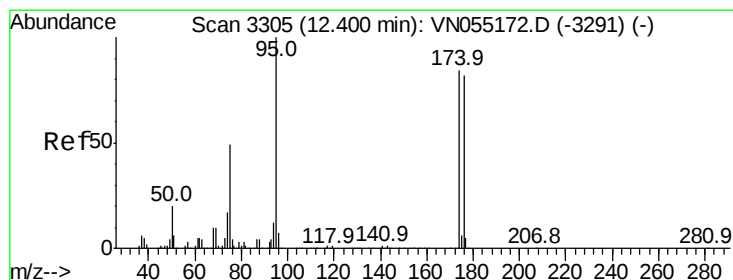
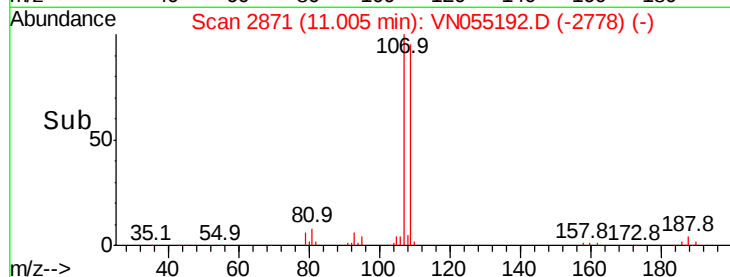
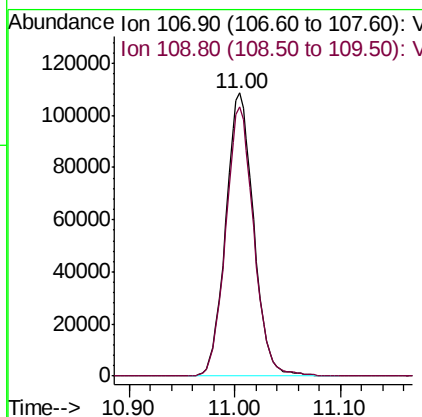
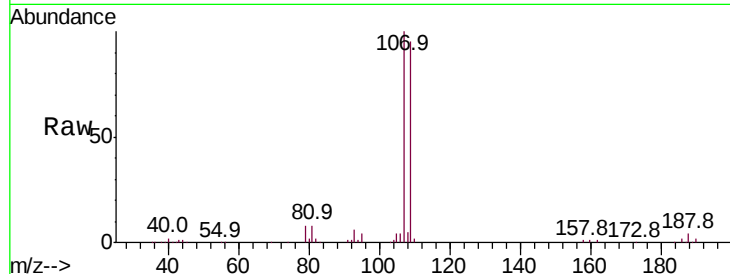
#61
 1,2-Dibromoethane
 Concen: 49.079 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.8	113.6

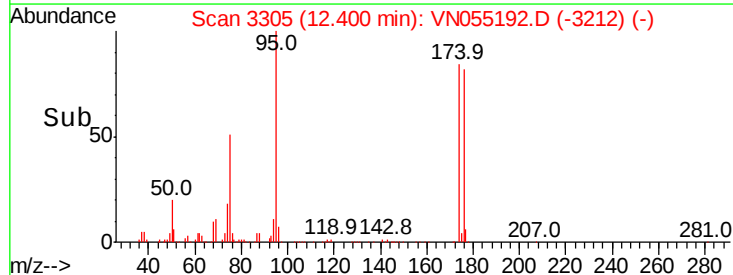
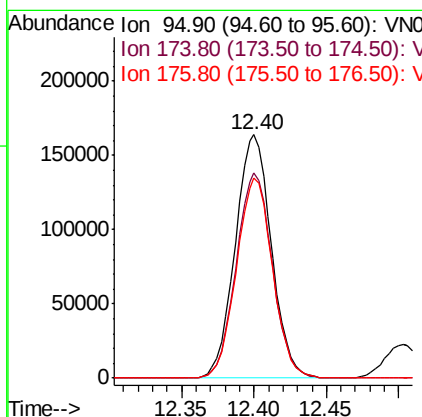
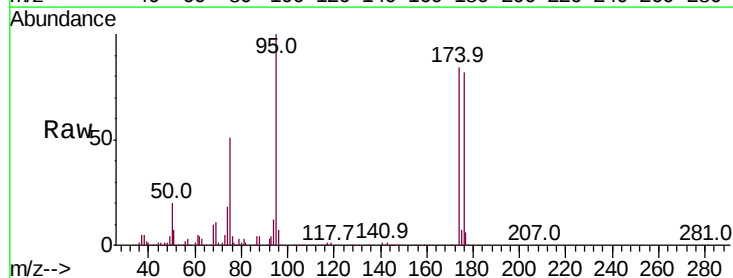
Manual Integrations
 APPROVED

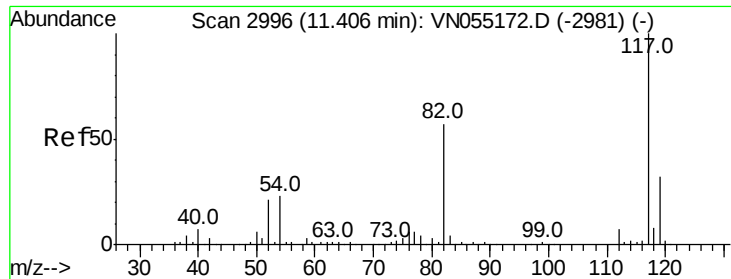
MMDadoda
 4/24/2019 12:43:40 PM



#62
 4-Bromofluorobenzene
 Concen: 51.143 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	168.4
176	82.4	0.0	164.0





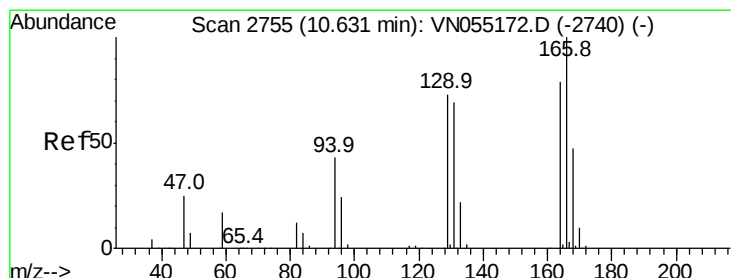
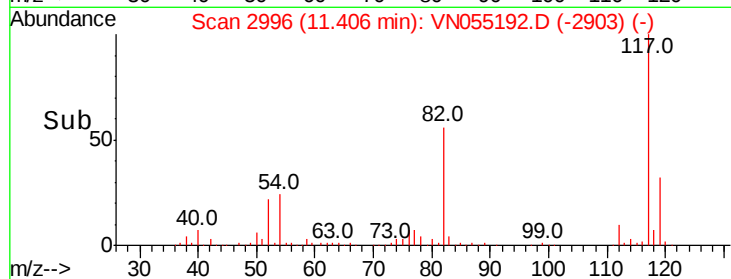
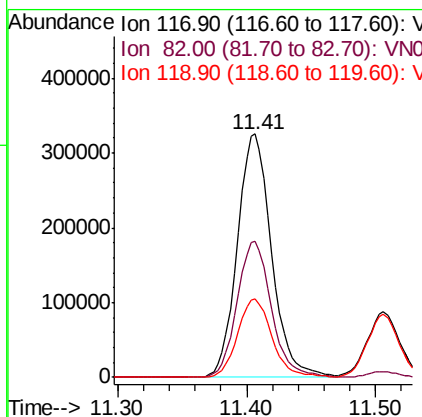
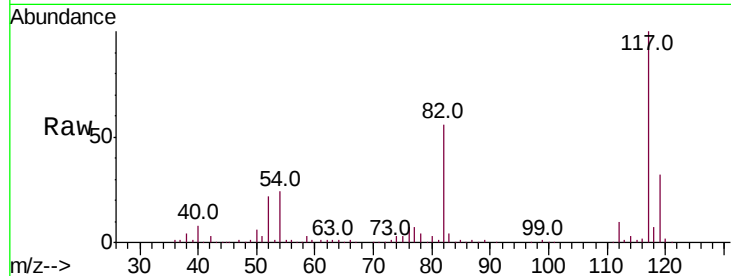
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.7	68.5
119	32.1	25.4	38.2

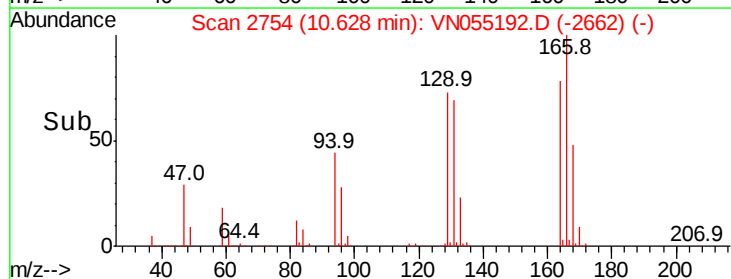
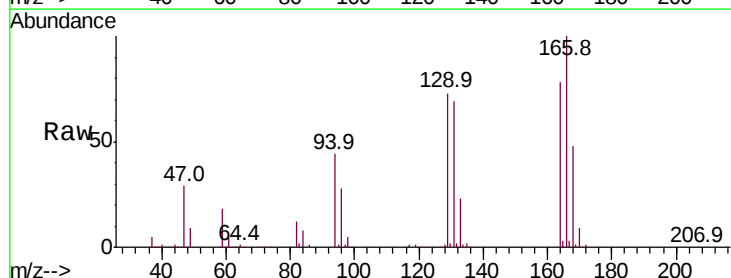
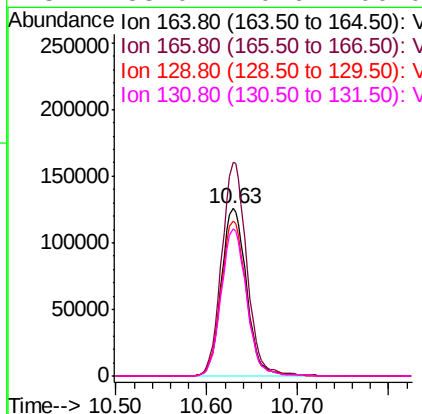
Manual Integrations
APPROVED

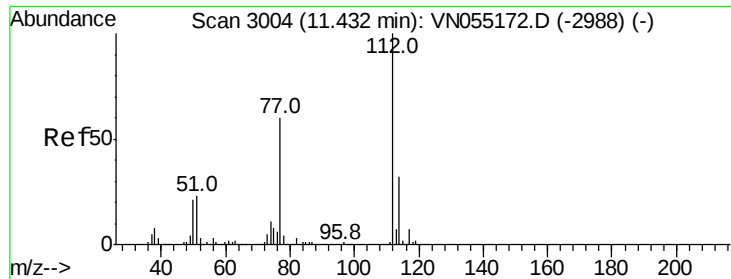
MMDadoda
4/24/2019 12:43:40 PM



#64
Tetrachloroethene
Concen: 49.622 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.9	152.9
129	92.6	74.1	111.1
131	88.0	70.6	106.0





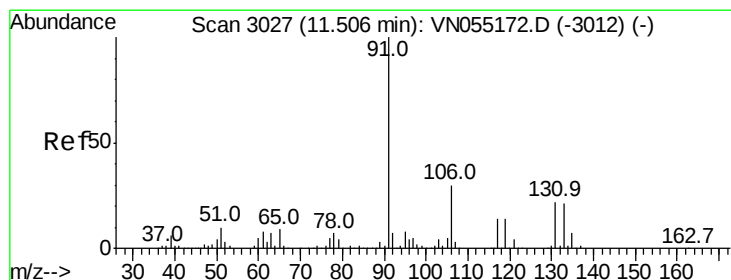
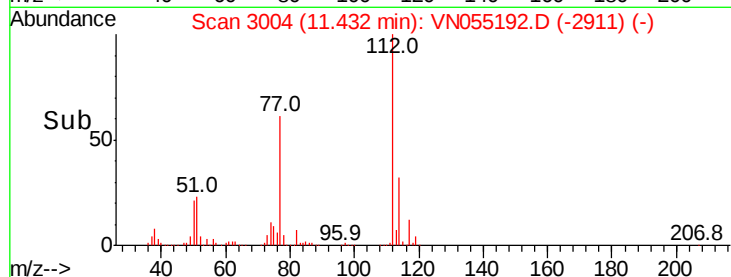
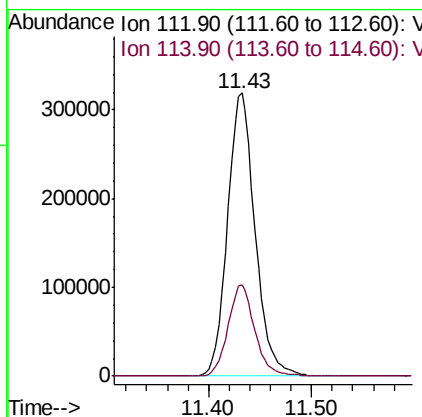
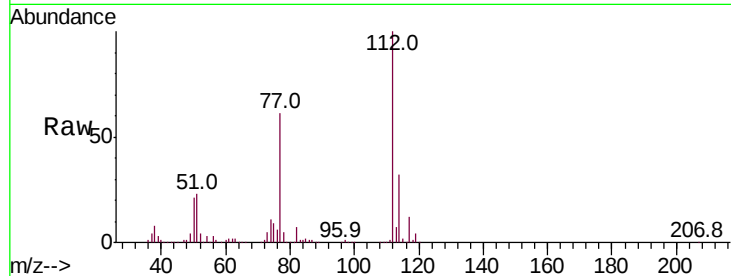
#65
Chlorobenzene
Concen: 48.443 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 593613
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

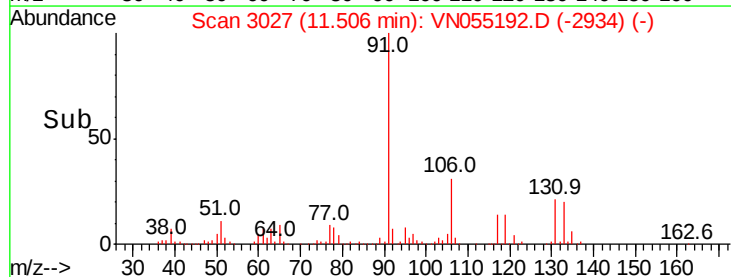
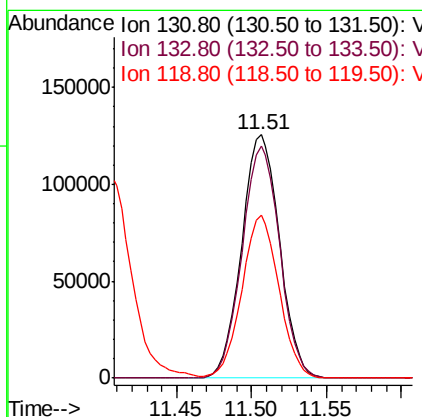
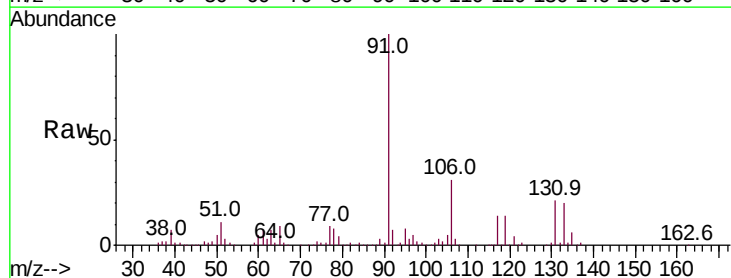
Manual Integrations
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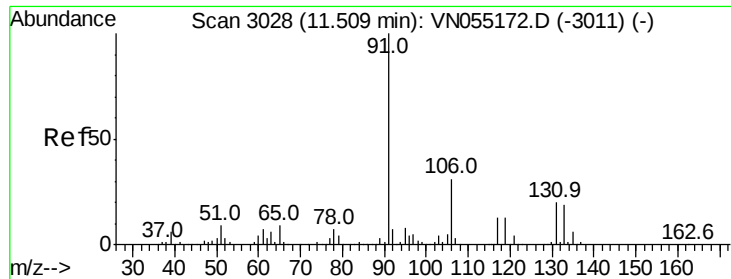
MMDadoda
4/24/2019 12:43:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.871 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion:131 Resp: 221954
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 65.4 33.2 99.6





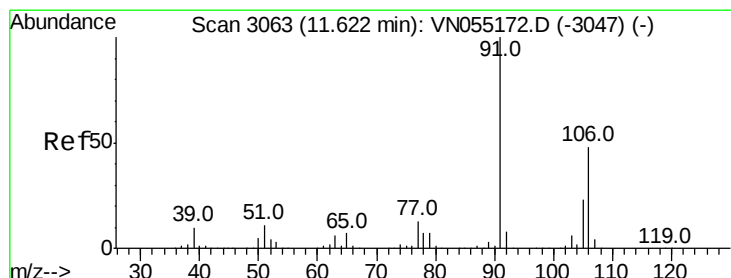
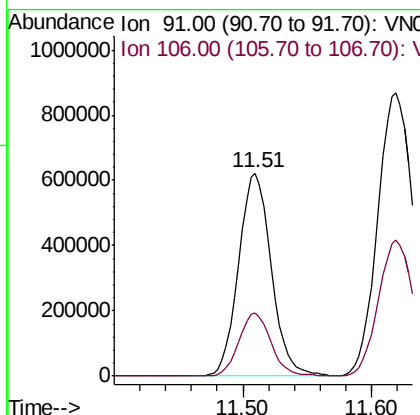
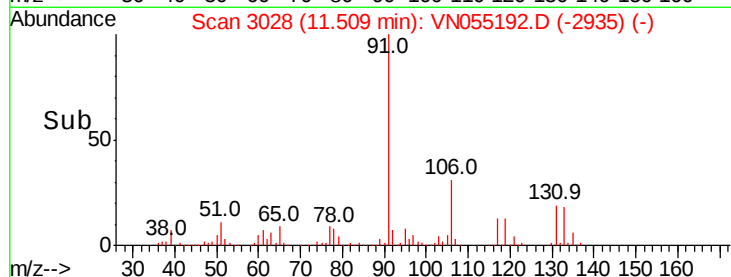
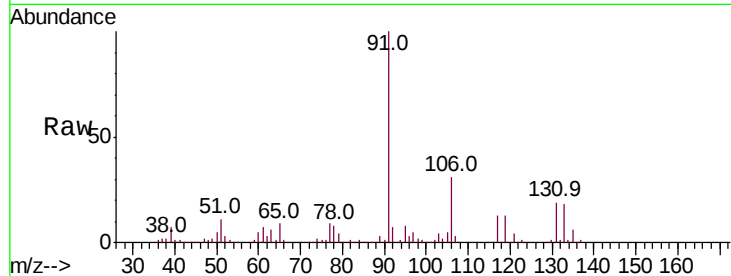
#67
Ethyl Benzene
Concen: 50.450 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1101228
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7

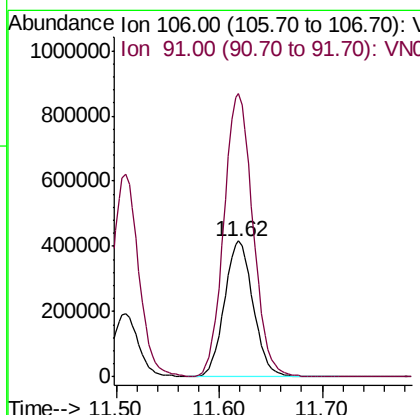
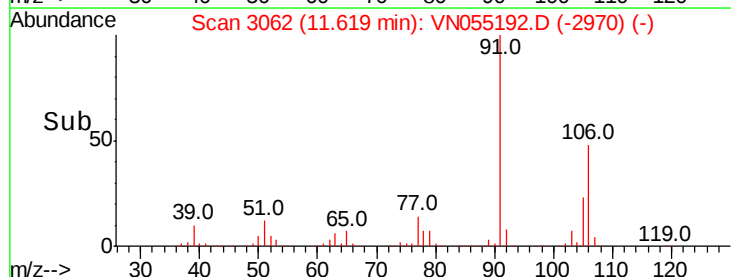
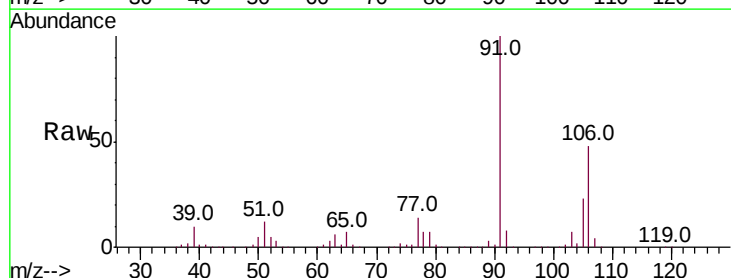
Manual Integrations
APPROVED

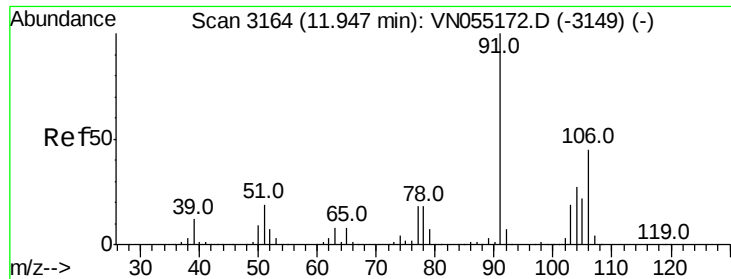
MMDadoda
4/24/2019 12:43:40 PM



#68
m/p-Xylenes
Concen: 103.547 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion: 106 Resp: 810655
Ion Ratio Lower Upper
106 100
91 209.9 167.1 250.7





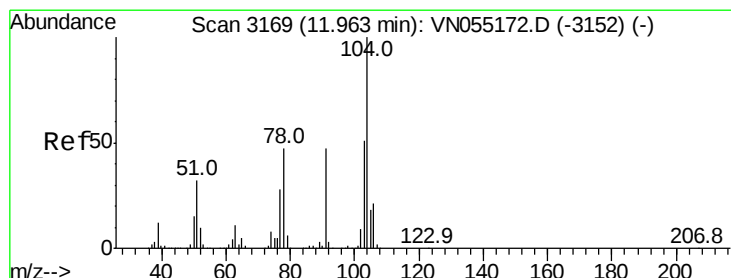
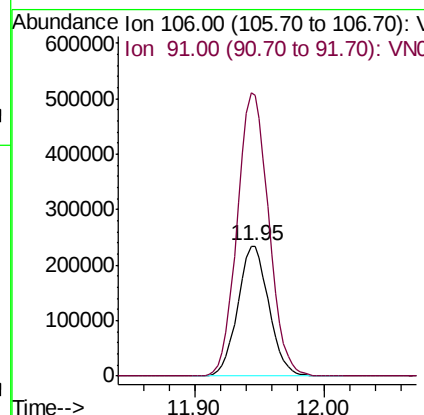
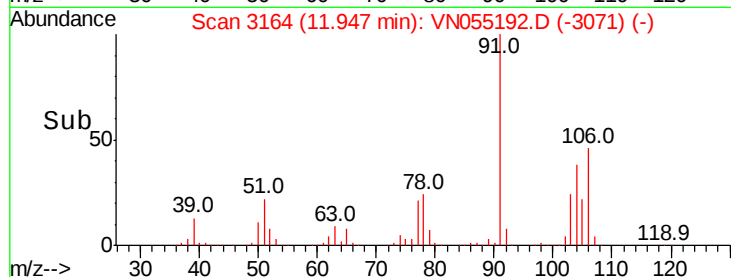
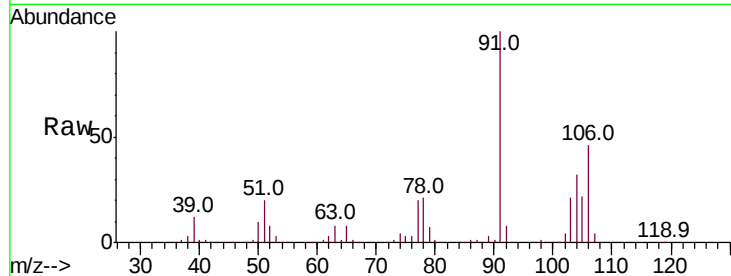
#69
o-Xylene
Concen: 50.582 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 392989
Ion Ratio Lower Upper
106 100
91 220.6 110.6 331.8

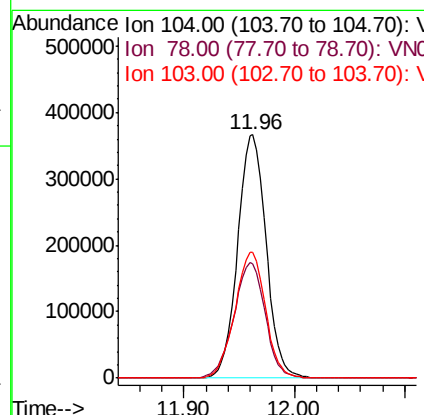
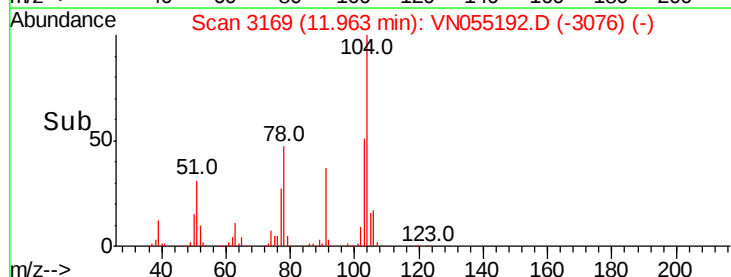
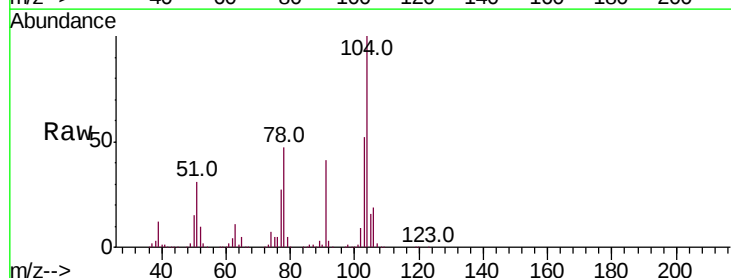
Manual Integrations
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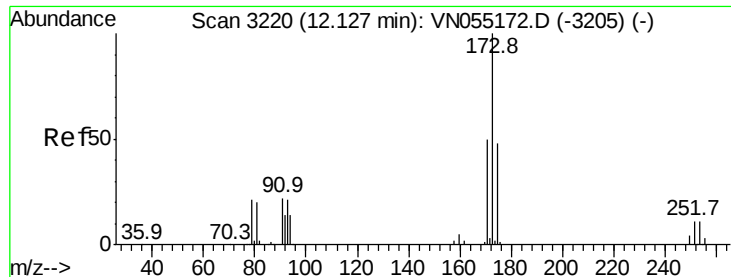
MMDadoda
4/24/2019 12:43:40 PM



#70
Styrene
Concen: 54.563 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion:104 Resp: 657100
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 55.7 44.2 66.4





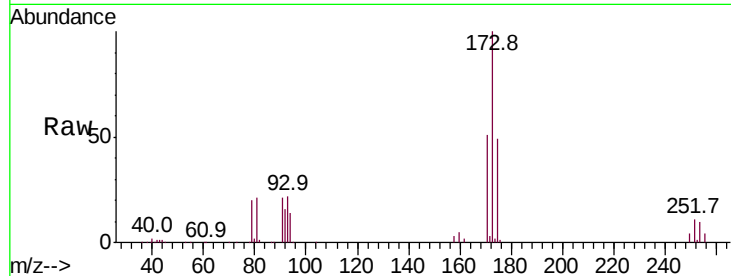
#71
Bromoform
Concen: 52.042 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.8	71.2
254	0.1	0.1	0.1#

Manual Integrations
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4/24/2019 12:43:40 PM

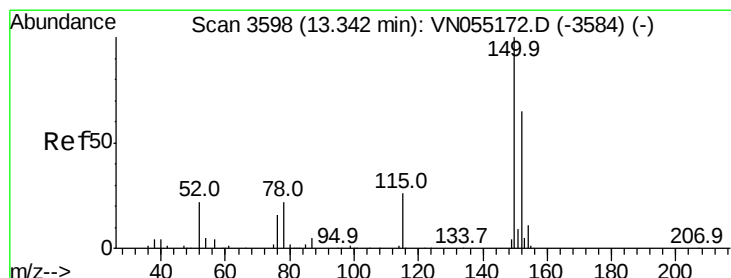
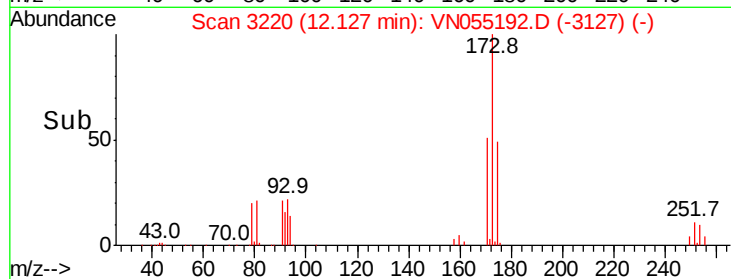
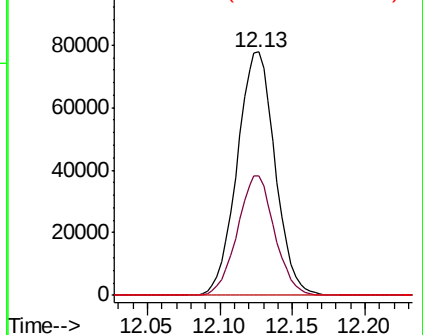


Abundance

Ion 172.70 (172.40 to 173.40): V

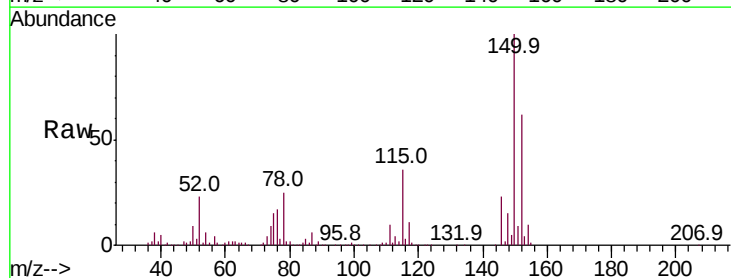
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.7
150	173.0	0.0	346.6

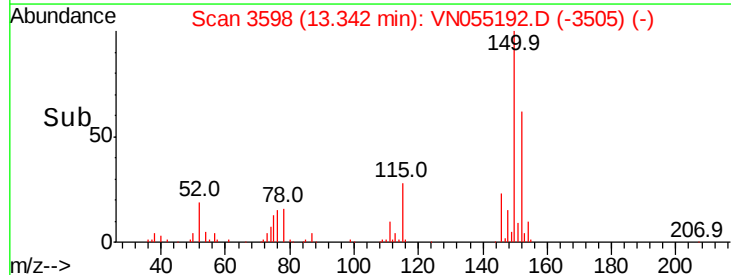
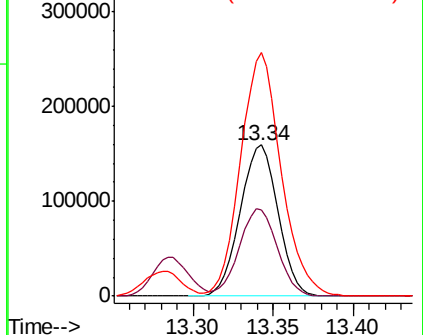


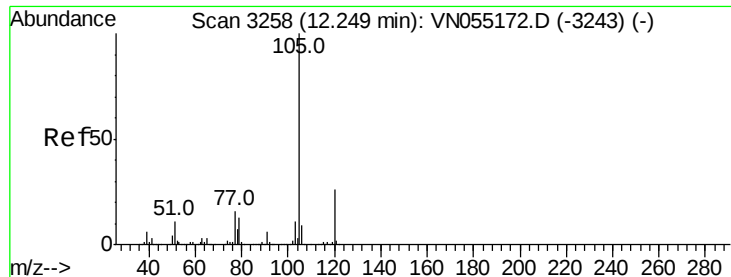
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.940 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1052629

Ion Ratio Lower Upper

105 100

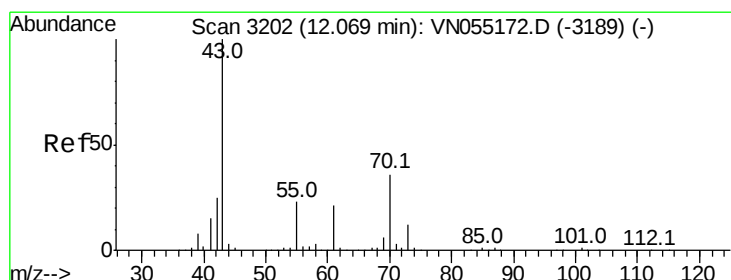
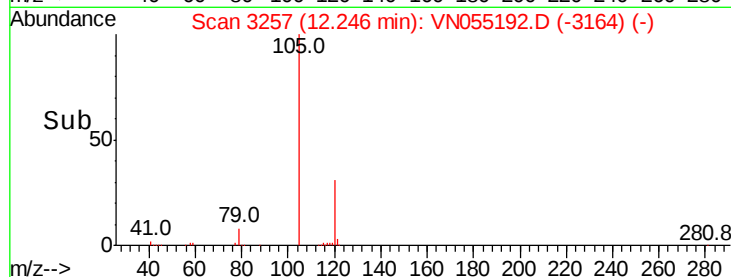
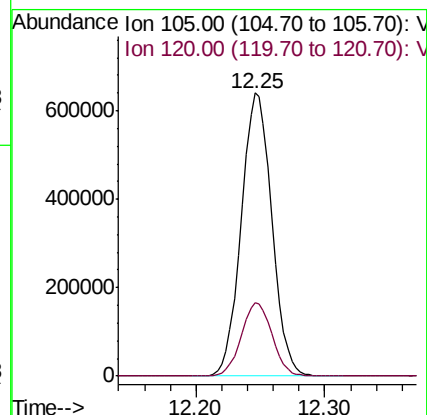
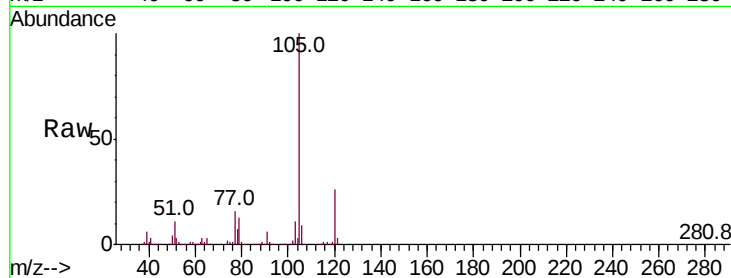
120 25.9 13.1 39.1

Manual Integrations

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4/24/2019 12:43:40 PM



#74

N-ethyl acetate

Concen: 46.063 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Tgt Ion: 43 Resp: 305668

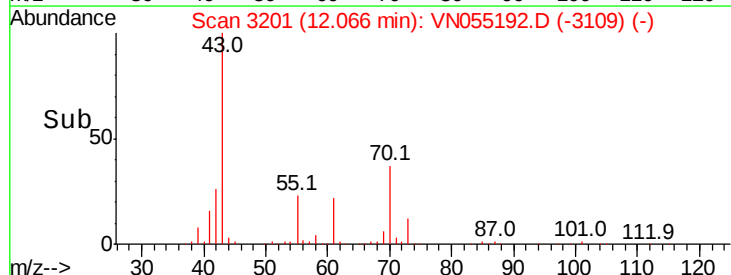
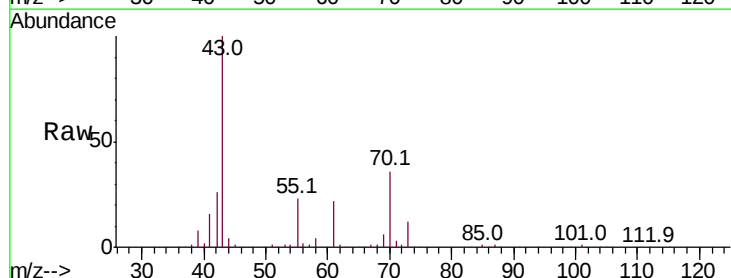
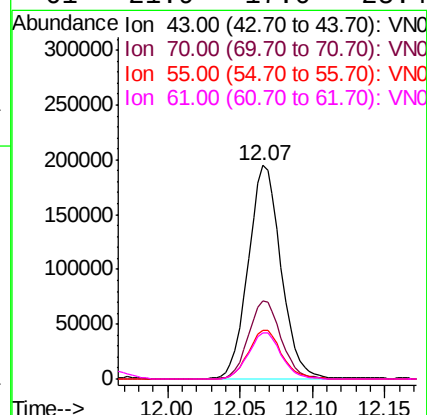
Ion Ratio Lower Upper

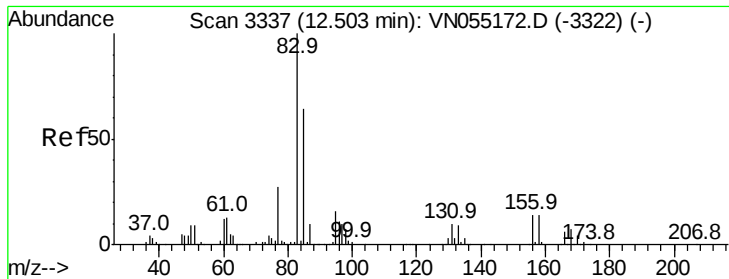
43 100

70 36.7 29.0 43.6

55 23.4 18.5 27.7

61 21.9 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.499 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

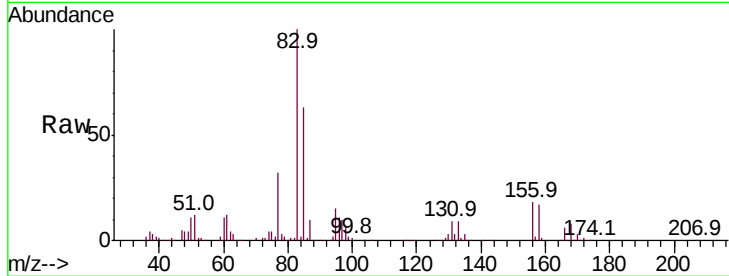
ClientSampleId :

VSTDCCC050

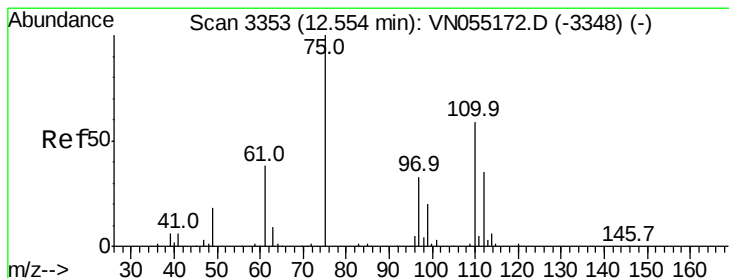
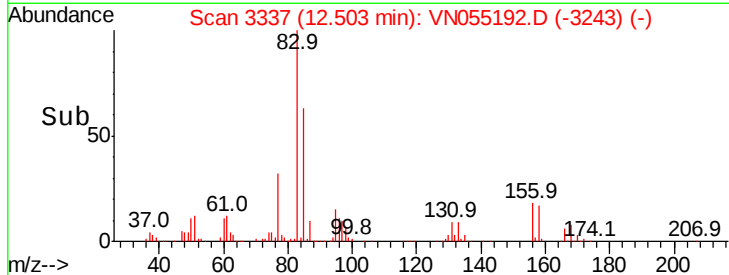
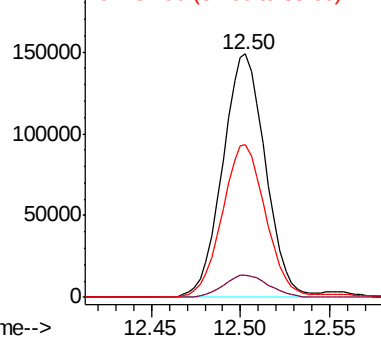
Tot Ion:	83	Resp:	249246
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	63.8	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055192.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 34.375 ug/l m

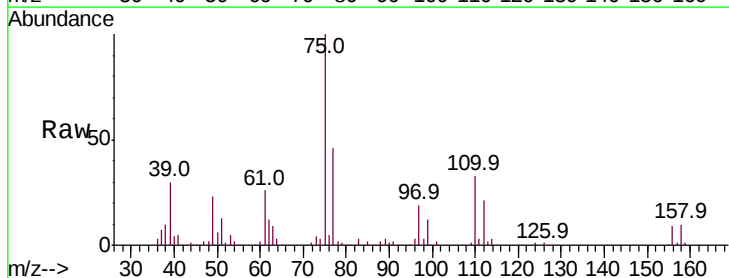
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

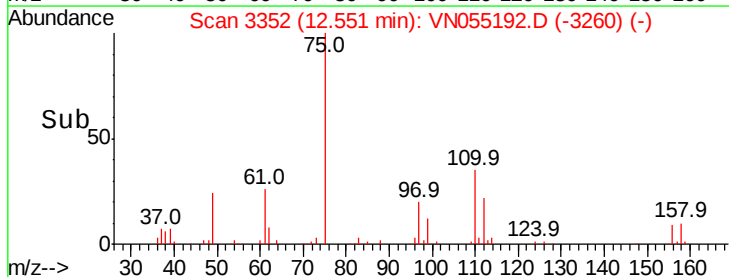
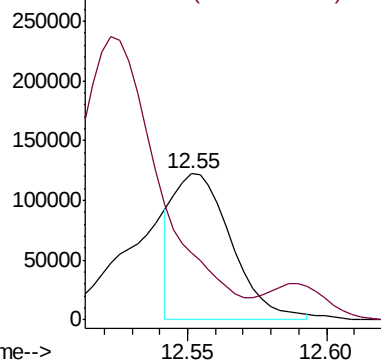
Lab File: VN055192.D

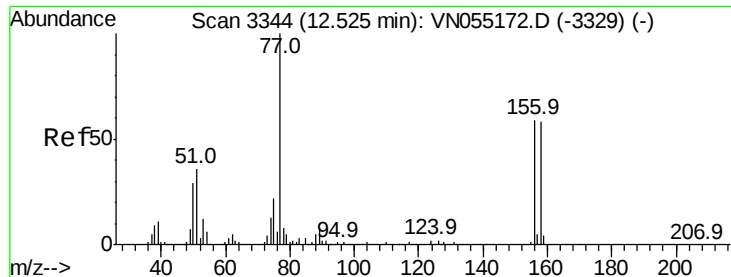
Acq: 23 Apr 2019 9:11

Tgt Ion:	75	Resp:	179493
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055192.D (-3260) (-)





#77

Bromobenzene

Concen: 44.749 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 254273

Ion Ratio Lower Upper

156 100

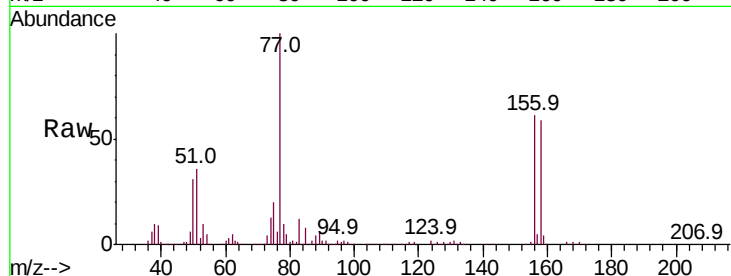
77 193.1 98.0 293.9

158 97.9 48.9 146.8

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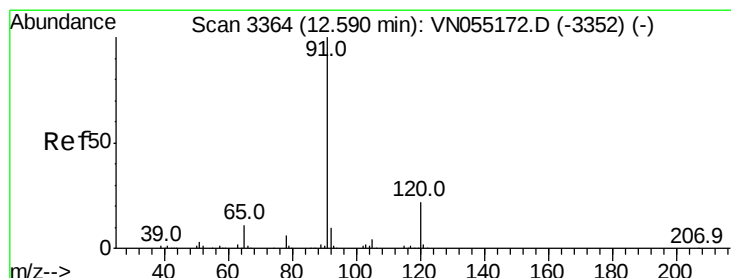
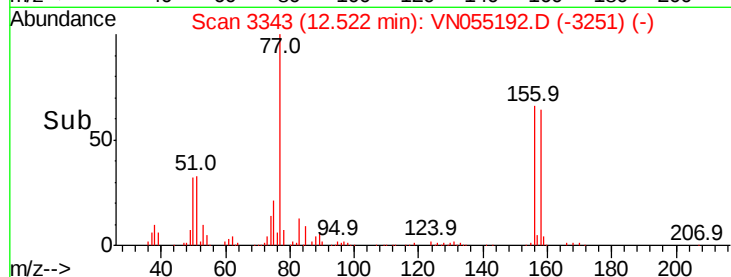
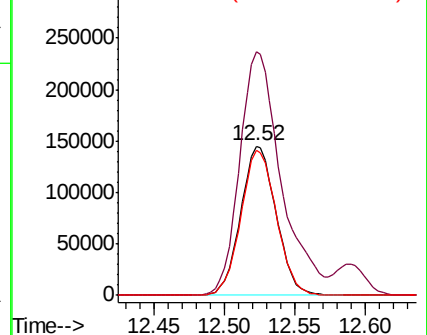
4/24/2019 12:43:40 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.682 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055192.D

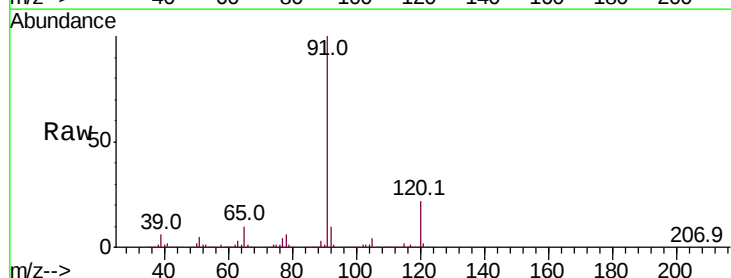
Acq: 23 Apr 2019 9:11

Tgt Ion: 91 Resp: 1204981

Ion Ratio Lower Upper

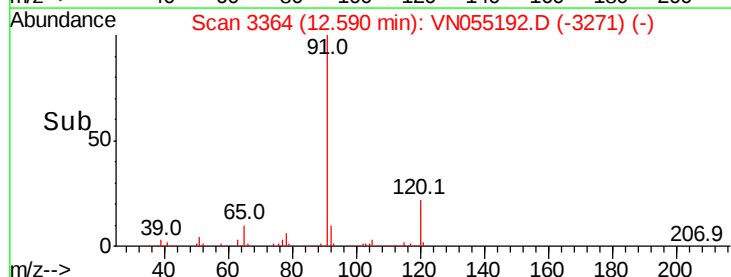
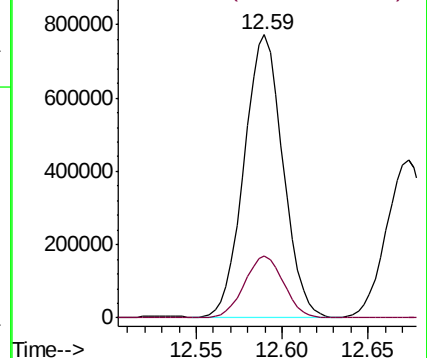
91 100

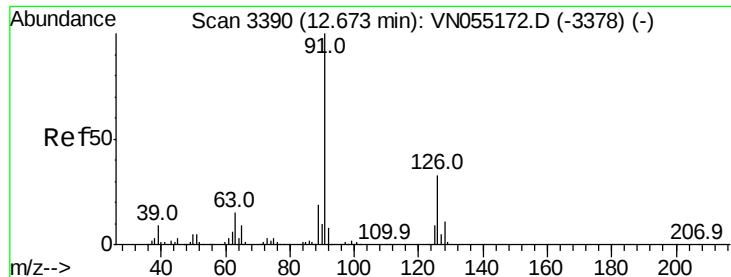
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.265 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 721481

Ion Ratio Lower Upper

91 100

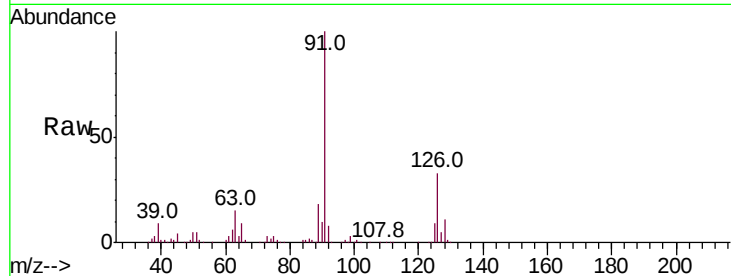
126 33.5 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)

12.67

400000

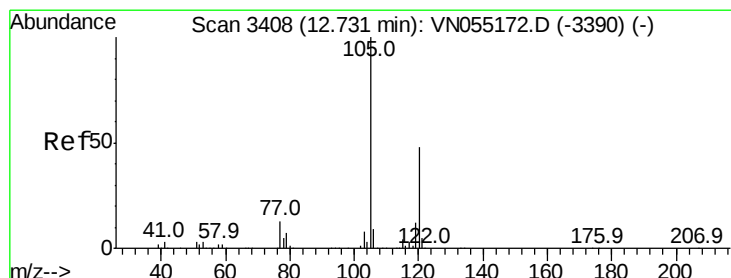
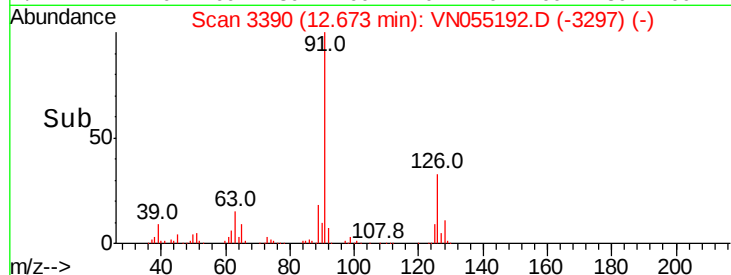
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 45.868 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055192.D

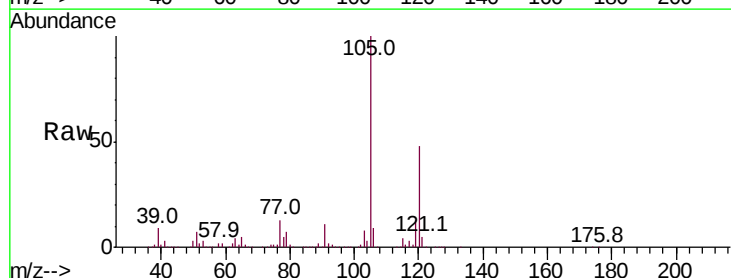
Acq: 23 Apr 2019 9:11

Tgt Ion:105 Resp: 883787

Ion Ratio Lower Upper

105 100

120 48.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)

12.73

600000

500000

400000

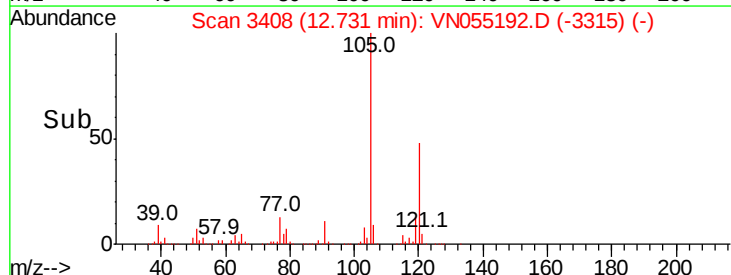
300000

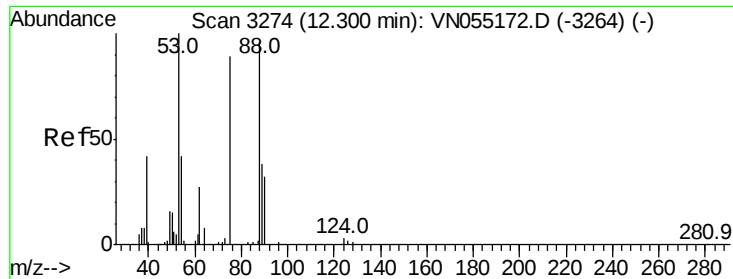
200000

100000

0

Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 43.233 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

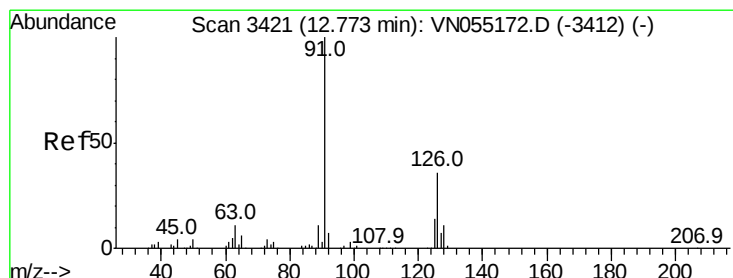
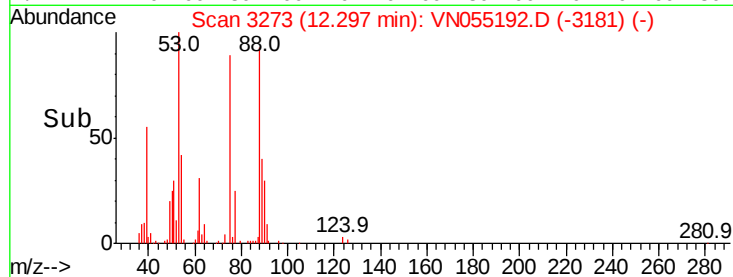
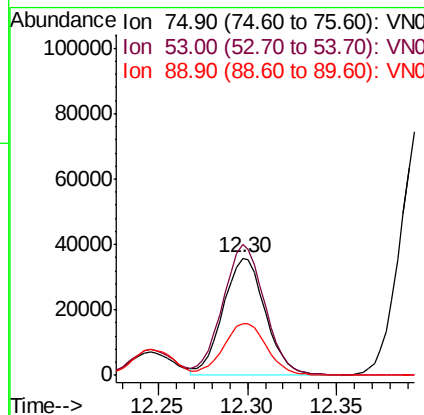
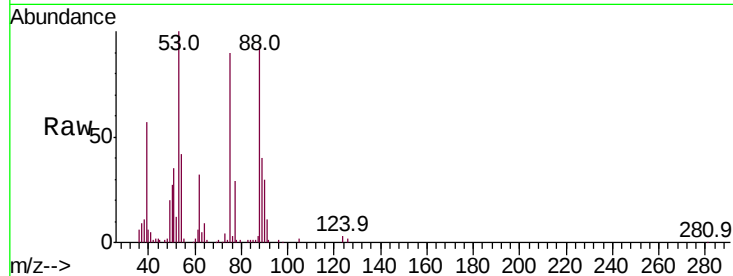
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	59551
Ion Ratio	Lower	Upper	
75	100		
53	110.9	90.1	135.1
89	45.0	36.7	55.1

Manual Integrations
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4/24/2019 12:43:40 PM



#82

4-Chlorotoluene

Concen: 47.194 ug/l

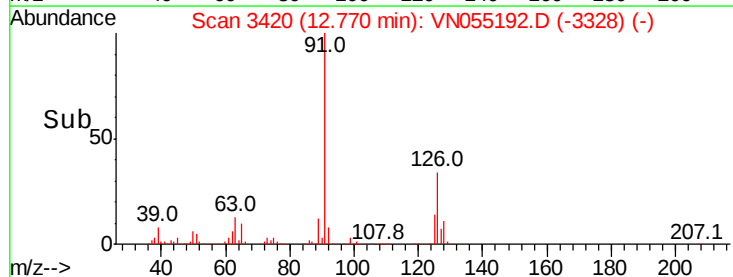
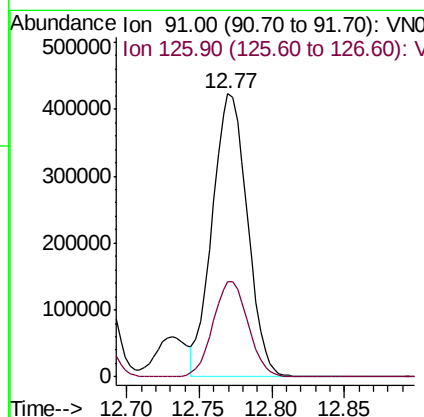
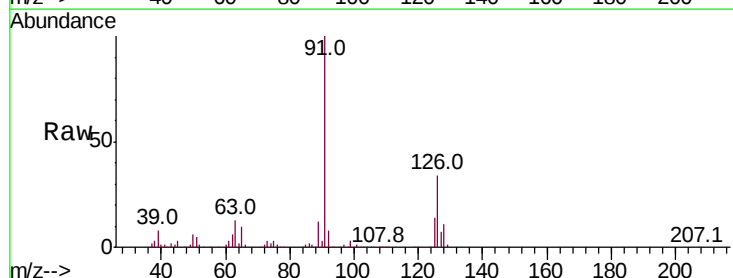
RT: 12.77 min Scan# 3420

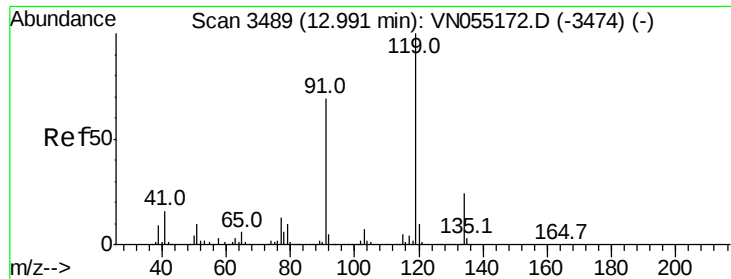
Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Tgt Ion:	91	Resp:	707732
Ion Ratio	Lower	Upper	
91	100		
126	33.7	16.5	49.5





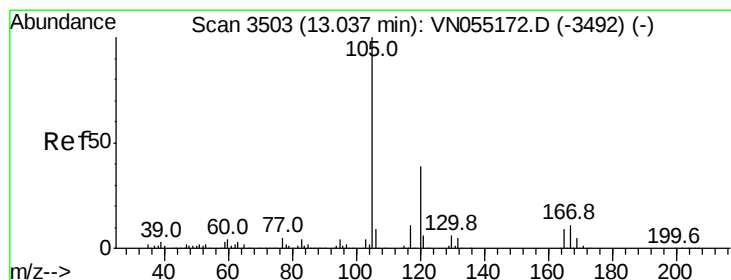
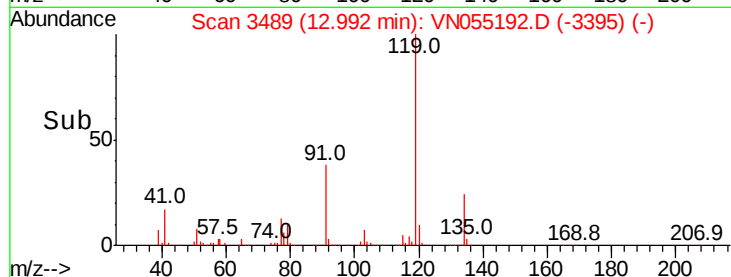
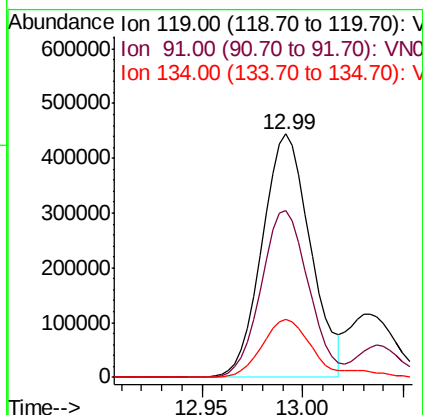
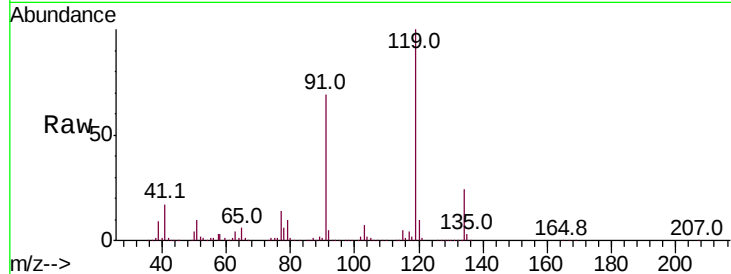
#83
tert-Butylbenzene
Concen: 51.159 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.8	101.3
134	24.0	13.2	39.5

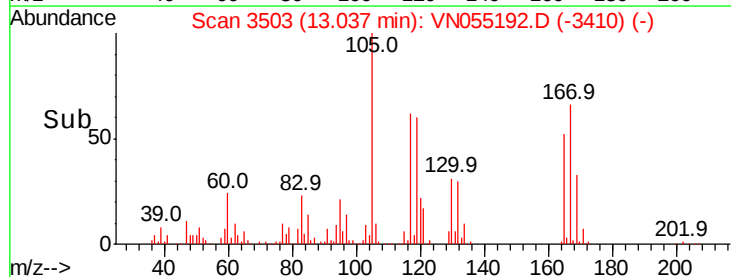
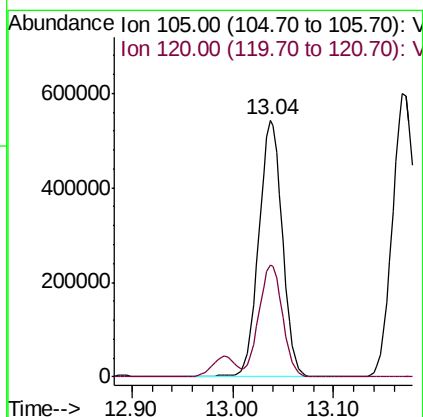
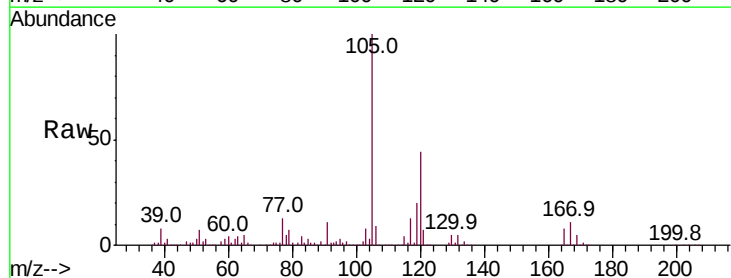
Manual Integrations
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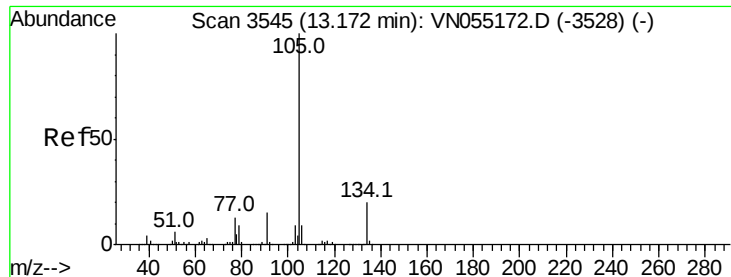
MMDadoda
4/24/2019 12:43:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 48.112 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.7	68.1





#85

sec-Butylbenzene

Concen: 44.461 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 969171

Ion Ratio Lower Upper

105 100

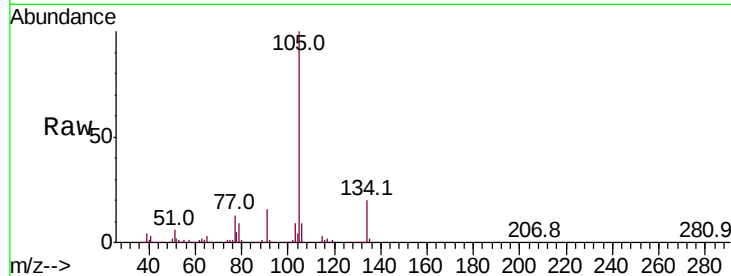
134 19.8 10.0 30.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

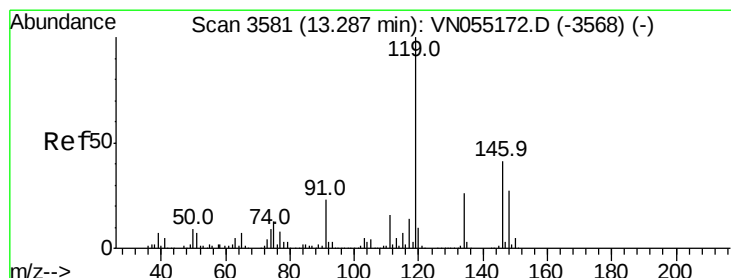
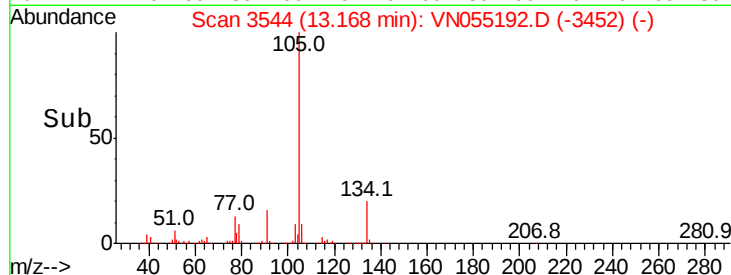
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 48.110 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

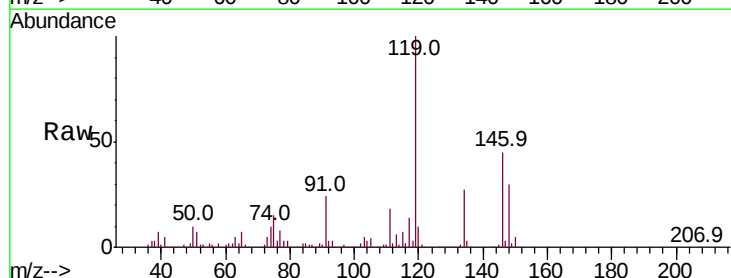
Tgt Ion:119 Resp: 863987

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.3

91 24.5 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

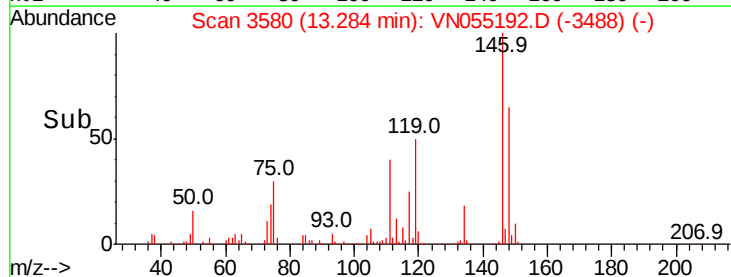
400000

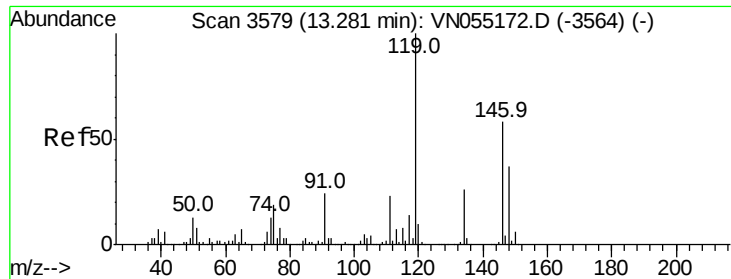
200000

0

13.20 13.25 13.30 13.35

Time-->





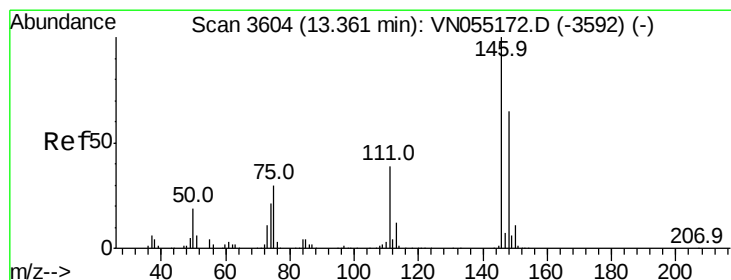
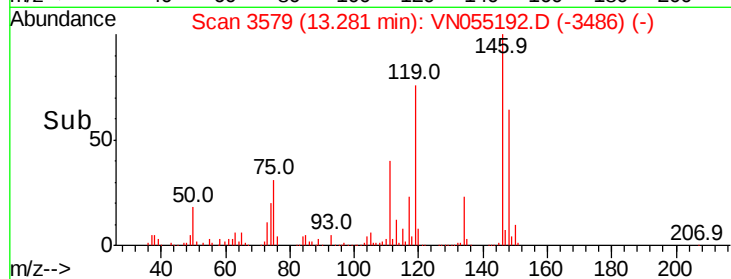
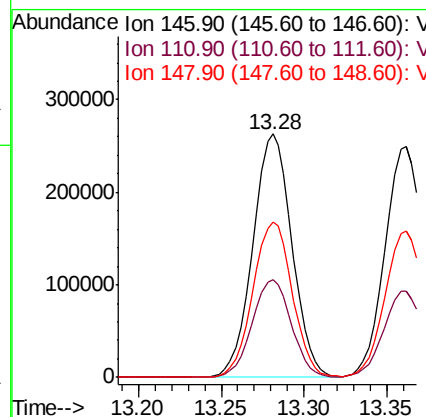
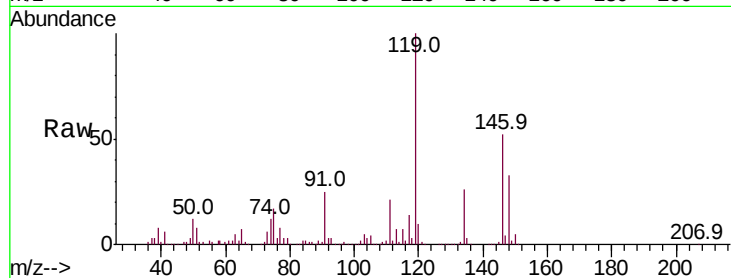
#87
 1,3-Dichlorobenzene
 Concen: 49.193 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.1
148	64.8	32.0	96.0

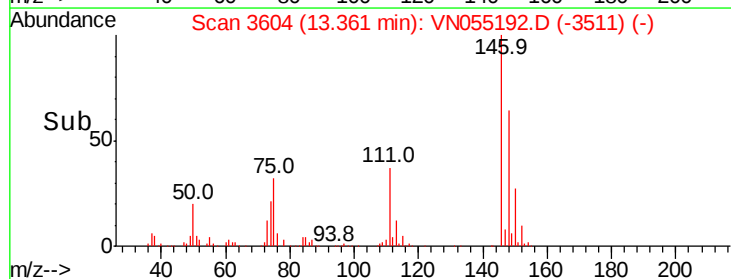
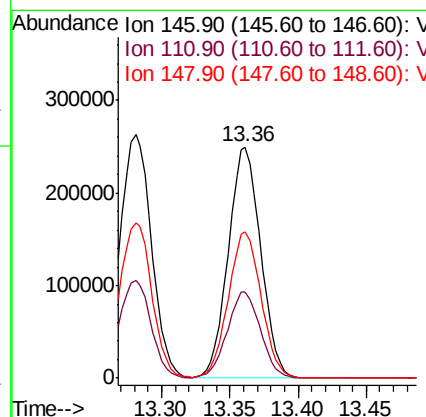
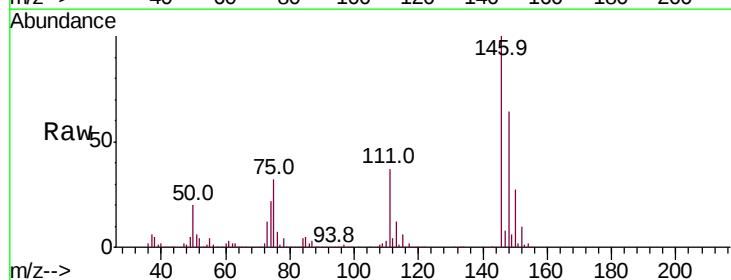
Manual Integrations
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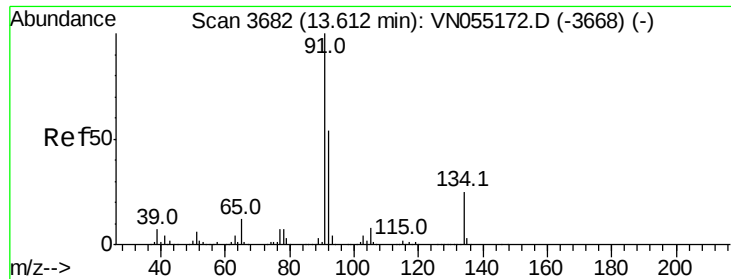
MMDadoda
 4/24/2019 12:43:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.614 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	63.9	32.9	98.6





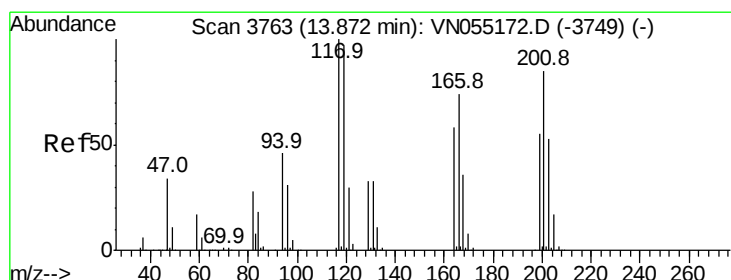
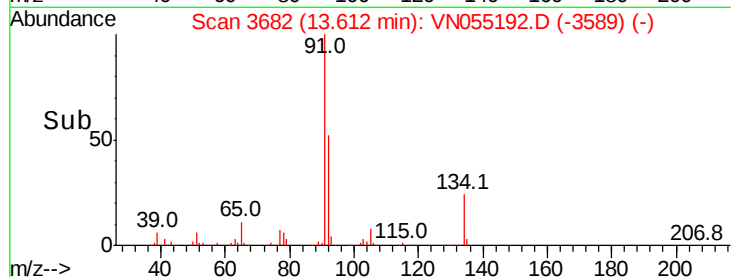
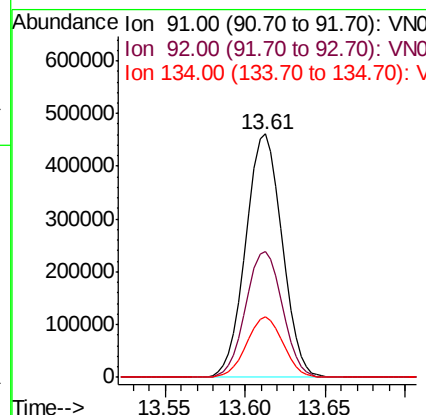
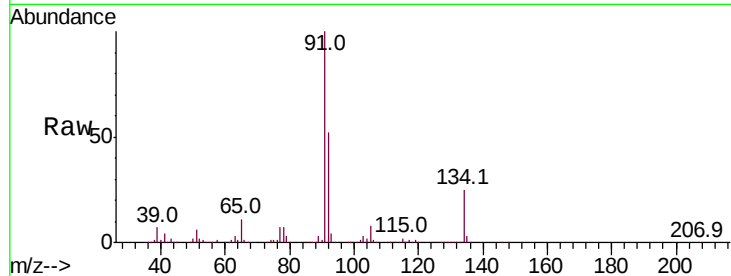
#89
n-Butylbenzene
Concen: 53.633 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	24.9	12.8	38.4

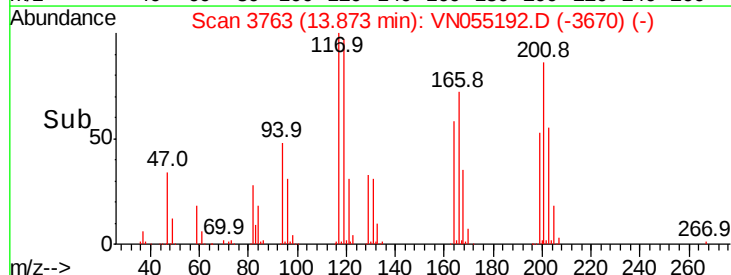
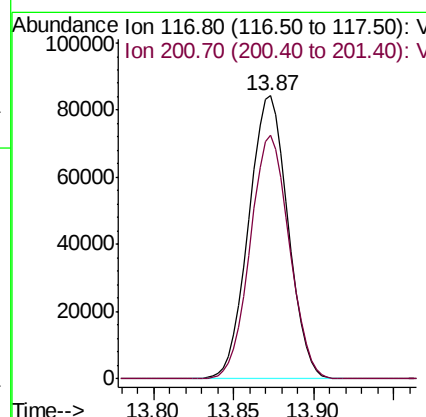
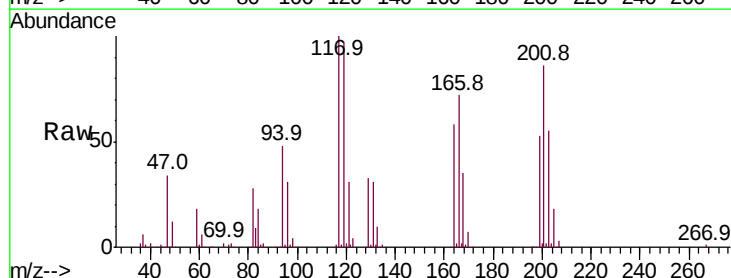
Manual Integrations
APPROVED

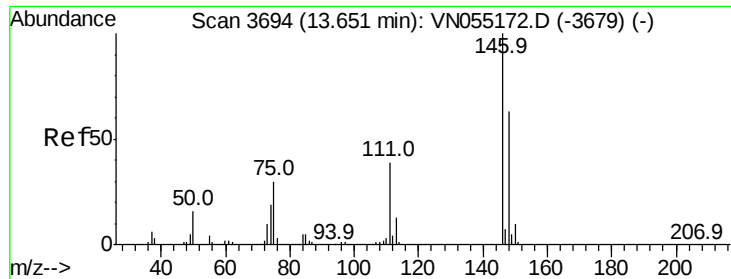
MMDadoda
4/24/2019 12:43:40 PM



#90
Hexachloroethane
Concen: 44.367 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055192.D
Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	43.1	129.4





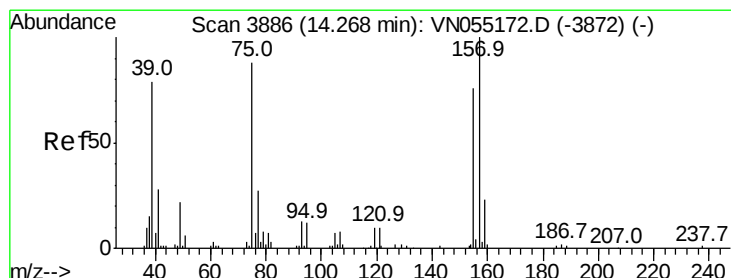
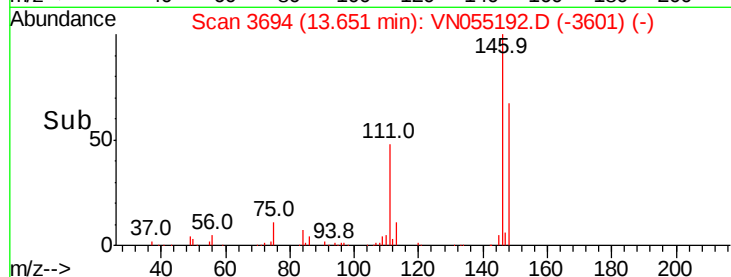
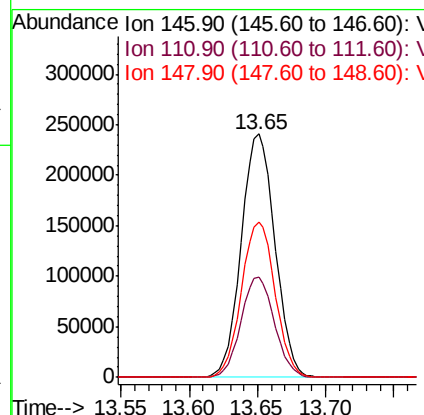
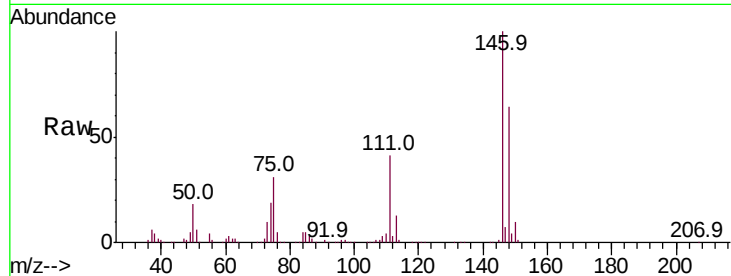
#91
 1,2-Dichlorobenzene
 Concen: 46.104 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.3
148	63.7	31.7	95.1

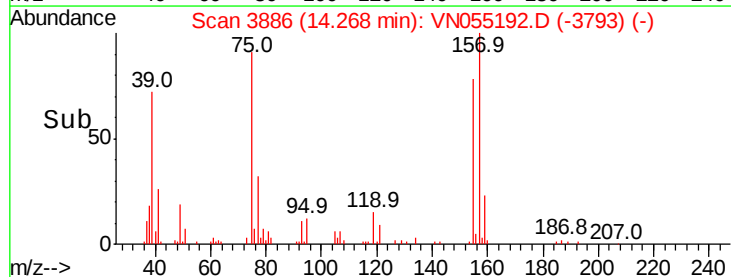
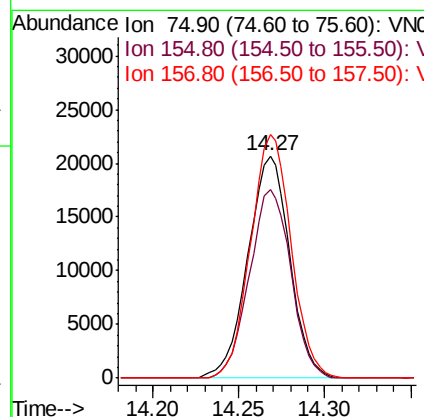
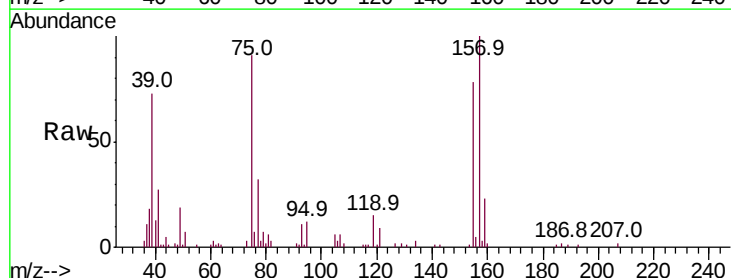
Manual Integrations
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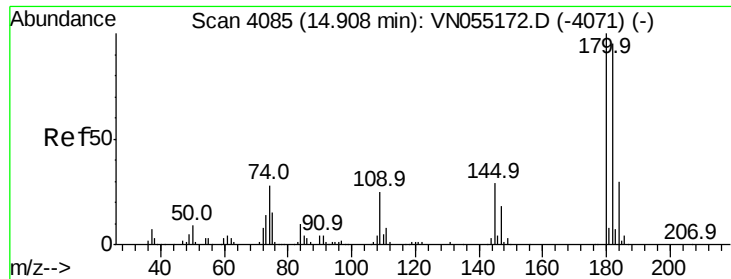
MMDadoda
 4/24/2019 12:43:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.569 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	43.0	129.0
157	106.6	55.7	167.1





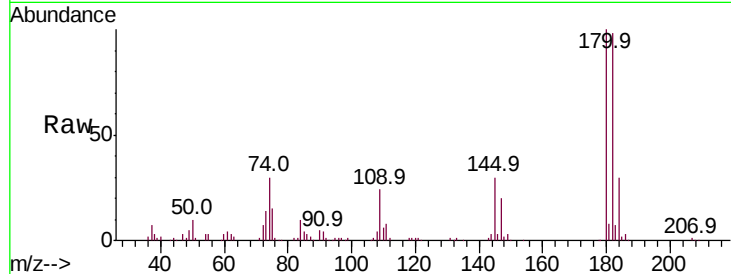
#93
 1,2,4-Trichlorobenzene
 Concen: 47.076 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

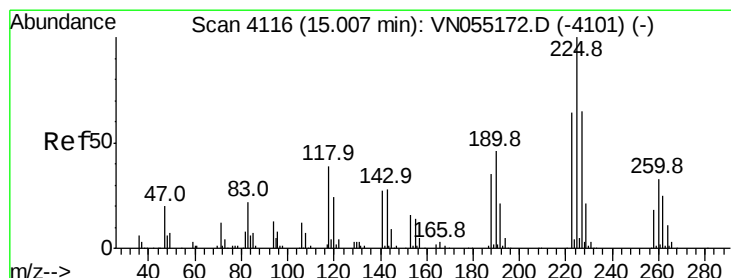
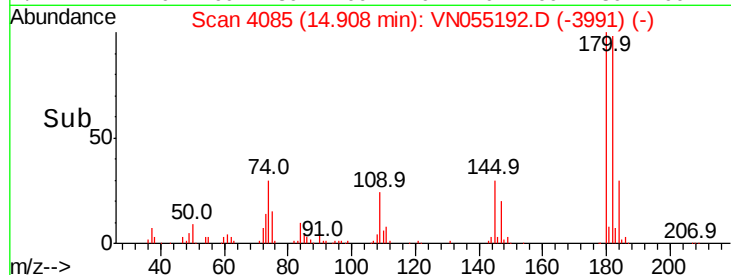
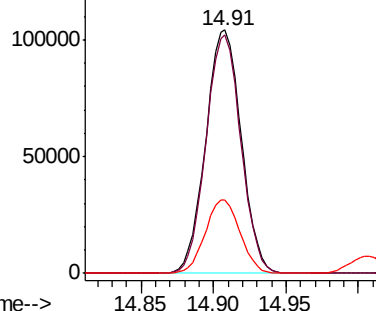
Tot Ion	Ratio	Resp	Lower	Upper
180	100	177543		
182	95.9	47.8	143.4	
145	29.6	14.5	43.5	

Manual Integrations
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MMDadoda
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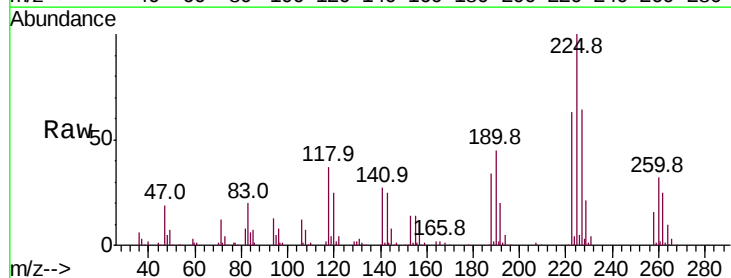


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

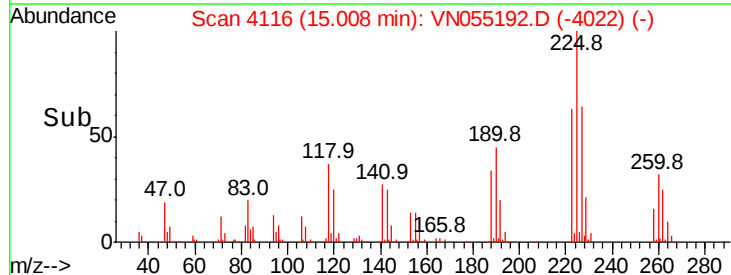
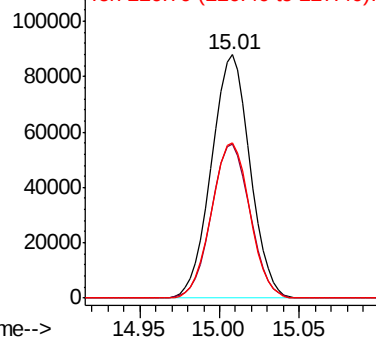


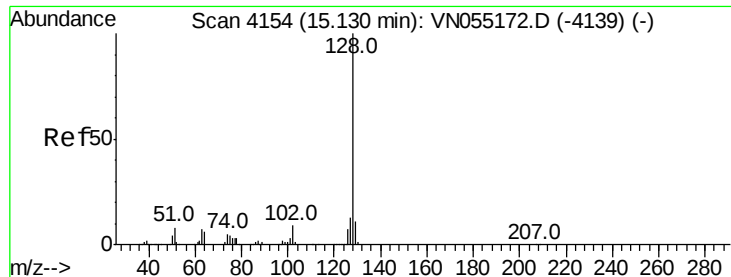
#94
 Hexachlorobutadiene
 Concen: 55.688 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055192.D
 Acq: 23 Apr 2019 9:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144547		
223	63.1	32.2	96.6	
227	63.5	32.6	98.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 41.565 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Instrument :

MSVOA_N

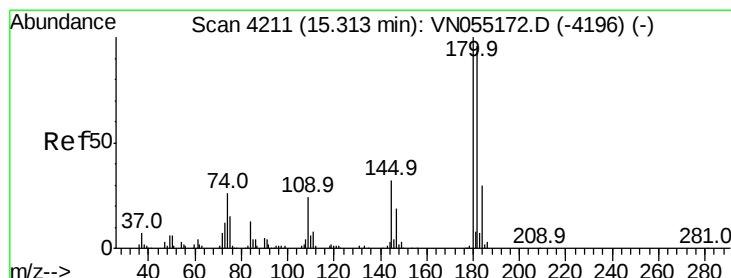
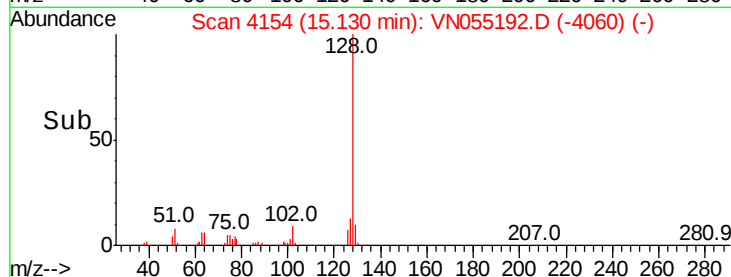
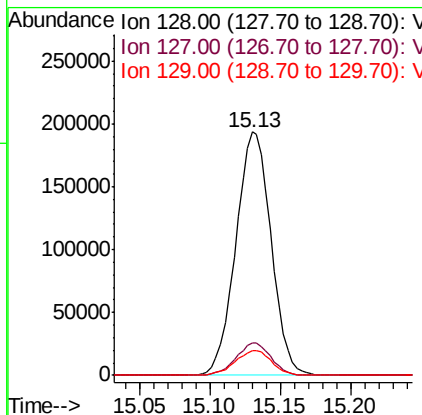
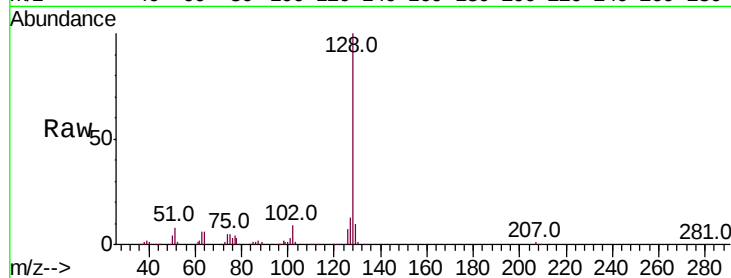
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	338837
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.5	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 45.619 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055192.D

Acq: 23 Apr 2019 9:11

Tgt Ion:	180	Resp:	170755
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.2	141.6
145	31.0	15.4	46.1

