

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055902.D
 Acq On : 30 May 2019 16:12
 Operator : JC/SP
 Sample : VN0530WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0530WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:40 AM

Quant Time: May 31 05:14:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50903	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	274039	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	236607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	100923	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	106195	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.09	98	328150	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	41809	18.733	ug/l 98
3) Chloromethane	2.06	50	59386	18.707	ug/l 100
4) Vinyl Chloride	2.18	62	63216	19.511	ug/l 99
5) Bromomethane	2.54	94	45235m	23.846	ug/l
6) Chloroethane	2.69	64	39480	20.858	ug/l 96
7) Trichlorofluoromethane	3.01	101	82834	20.378	ug/l 99
8) Diethyl Ether	3.40	74	37622	21.054	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52518	20.448	ug/l 98
10) 1,1-Dichloroethene	3.72	96	52764	19.638	ug/l 96
11) Methyl Iodide	3.94	142	76419	19.938	ug/l 97
12) Methyl Acetate	4.33	43	66437	20.218	ug/l 97
13) Acrolein	3.60	56	42636	93.379	ug/l 99
14) Acrylonitrile	4.99	53	149141	99.550	ug/l 99
15) Acetone	3.82	58	45832	98.505	ug/l 98
16) Carbon Disulfide	4.04	76	127125	16.502	ug/l 98
17) Allyl chloride	4.31	41	87773	18.138	ug/l 95
18) Methylene Chloride	4.54	84	62178	20.206	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	57062	19.742	ug/l 97
20) Diisopropyl ether	5.95	45	182554	19.447	ug/l 100
21) 1,1-Dichloroethane	5.85	63	104722	19.739	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	67993	20.171	ug/l 96
23) tert-Butyl Alcohol	4.82	59	59390	90.265	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	177918	19.516	ug/l 100
25) Chloroform	7.37	83	104990	20.036	ug/l 97
26) Cyclohexane	7.65	56	93475	19.098	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	77297	20.149	ug/l 98
30) 2-Butanone	6.84	43	203344	99.446	ug/l 98
31) 2,2-Dichloropropane	6.82	77	81107	18.168	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	88353	19.431	ug/l 99
33) Carbon Tetrachloride	7.77	117	74125	18.223	ug/l 97
34) Benzene	8.04	78	242444	20.470	ug/l 100
35) Methacrylonitrile	7.17	41	34312	18.180	ug/l 97
36) 1,2-Dichloroethane	8.12	62	81688	21.105	ug/l 99
37) Trichloroethene	8.83	130	65709	19.884	ug/l 97
38) Methylcyclohexane	9.08	83	95466	19.641	ug/l 98
39) 1,2-Dichloropropane	9.12	63	63646	19.989	ug/l 97
40) Dibromomethane	9.21	93	42247	20.548	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	78304	18.583	ug/l	98
42) Vinyl Acetate	5.90	43	764381	96.283	ug/l	100
43) Ethyl Acetate	6.93	43	82972	20.644	ug/l #	100
44) Isopropyl Acetate	8.17	43	126536	19.012	ug/l #	86
45) 1,4-Dioxane	9.20	88	26532	423.742	ug/l	93
46) Methyl methacrylate	9.20	41	60198	19.386	ug/l	98
47) n-amyl Acetate	12.07	43	99745	18.119	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	80878	17.388	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	94790	18.618	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	61583	20.575	ug/l	99
51) Ethyl methacrylate	10.43	69	91841	19.037	ug/l	99
52) 1,3-Dichloropropane	10.71	76	100265	20.323	ug/l	99
53) Dibromochloromethane	10.90	129	60581	17.133	ug/l	99
54) 1,2-Dibromoethane	11.01	107	63135	20.384	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	169962	90.544	ug/l	99
56) Bromoform	12.13	173	41635	14.355	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	398520	101.743	ug/l	99
59) 2-Hexanone	10.75	43	275145	98.257	ug/l	100
61) Tetrachloroethene	10.63	164	65386	20.414	ug/l	96
62) Toluene	10.16	91	266274	20.928	ug/l	100
64) Chlorobenzene	11.43	112	158753	20.568	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	59765	19.218	ug/l	99
66) Ethyl Benzene	11.51	91	284276	20.449	ug/l	98
67) m/p-Xylenes	11.62	106	213836	40.491	ug/l	99
68) o-Xylene	11.95	106	107181	20.509	ug/l	100
69) Styrene	11.96	104	169180	19.622	ug/l	99
70) Isopropylbenzene	12.25	105	279958	20.474	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	85861	20.404	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	75857m	20.945	ug/l	
73) Bromobenzene	12.53	156	71000	19.627	ug/l	99
74) n-propylbenzene	12.59	91	294321	19.958	ug/l	100
75) 2-Chlorotoluene	12.67	91	182100	20.215	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	228295	20.199	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20517	14.262	ug/l	84
78) 4-Chlorotoluene	12.77	91	165863	19.427	ug/l	100
79) tert-butylbenzene	12.99	119	202601	20.390	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	221799	19.768	ug/l	99
81) sec-Butylbenzene	13.17	105	257879	20.427	ug/l	99
82) p-Isopropyltoluene	13.29	119	227519	19.582	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	105990	18.691	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	97601	18.073	ug/l	99
85) n-Butylbenzene	13.61	91	161935	17.915	ug/l	99
86) Hexachloroethane	13.87	117	36259	15.866	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	109073	19.102	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13239	16.599	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43449	14.097	ug/l	99
90) Hexachlorobutadiene	15.01	225	38146	16.587	ug/l	97
91) Naphthalene	15.13	128	127561	15.147	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	50978	15.825	ug/l	97

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QLast Update : Thu May 23 05:54:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

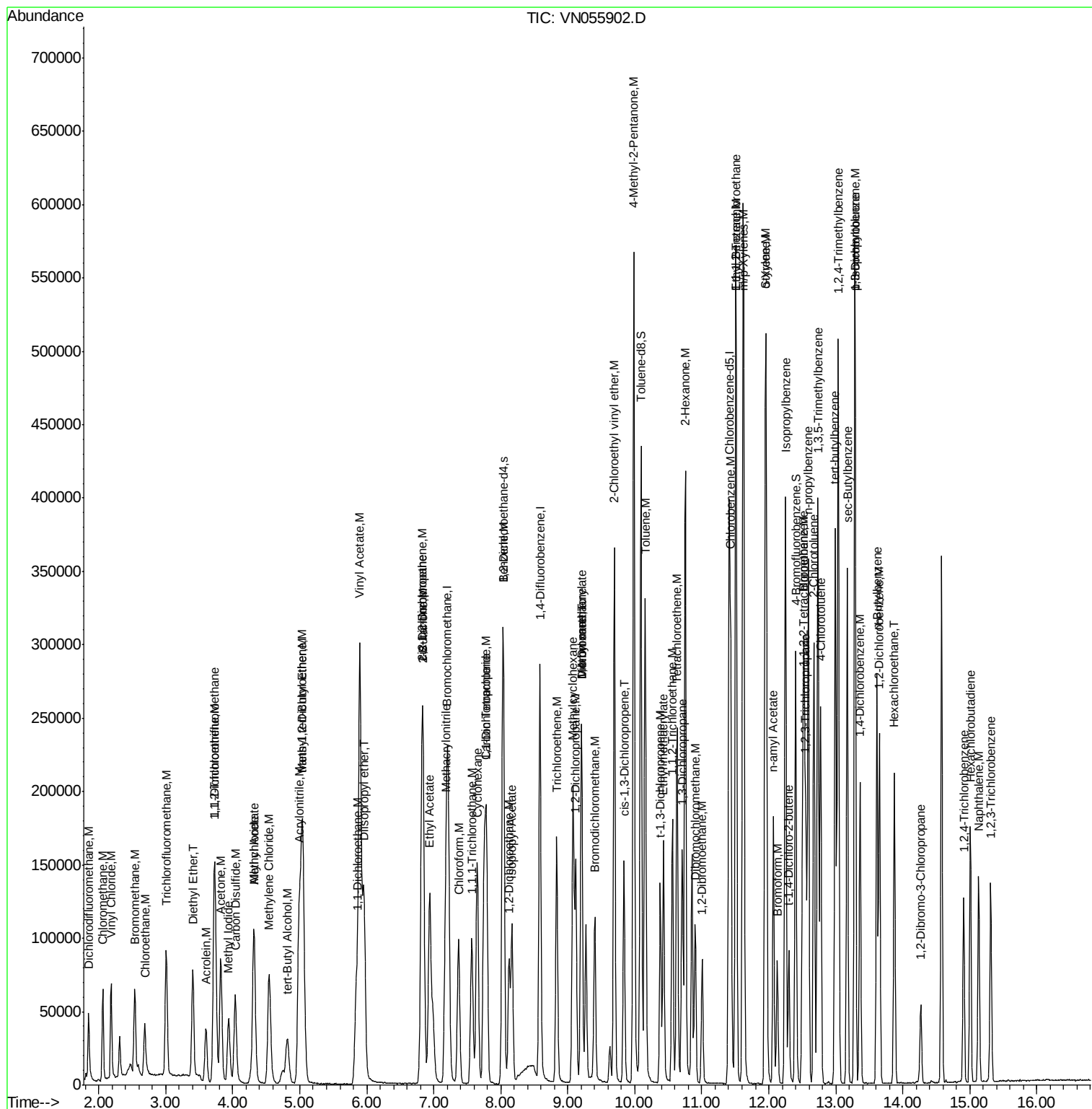
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Data File : VN055902.D
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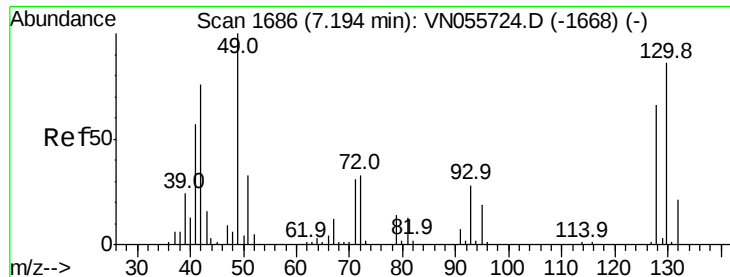
Instrument :
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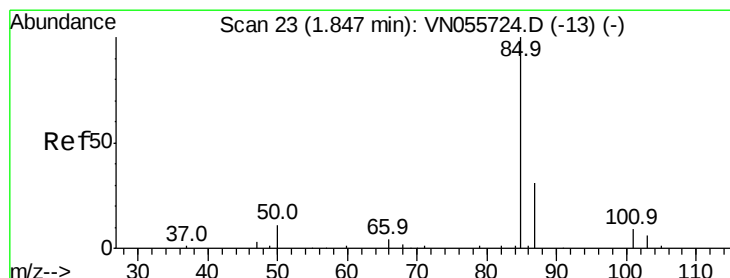
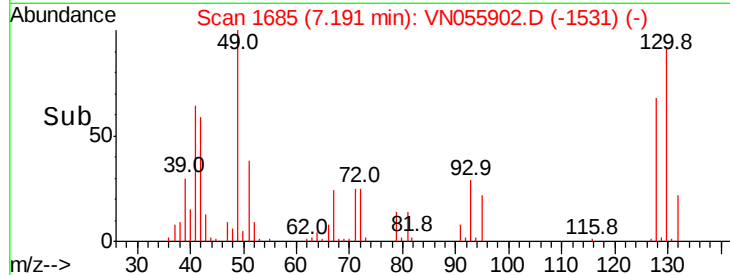
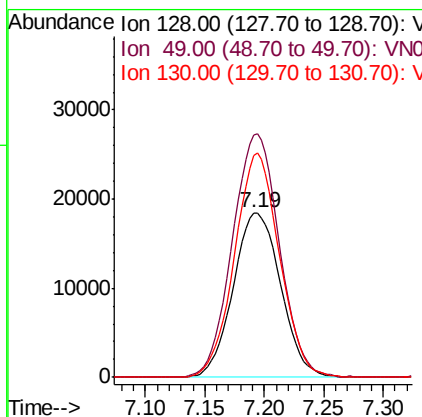
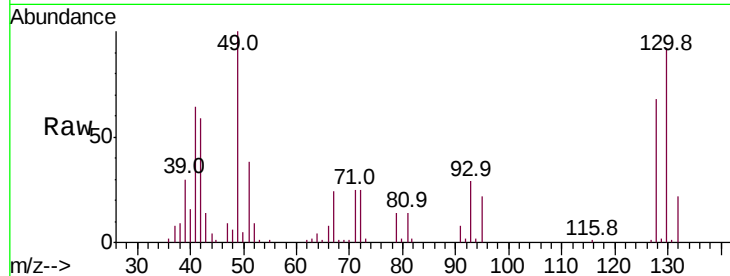
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

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Tot Ion	Ratio	Lower	Upper
128	100		
49	146.3	0.0	383.2
130	129.6	0.0	326.3

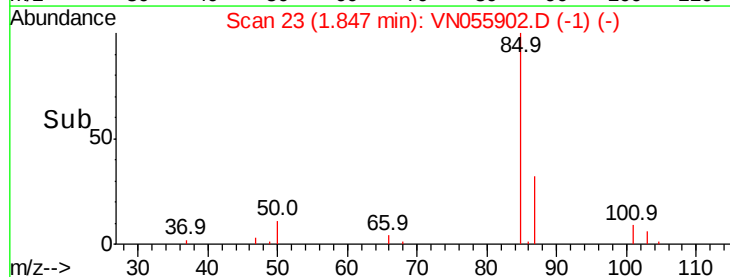
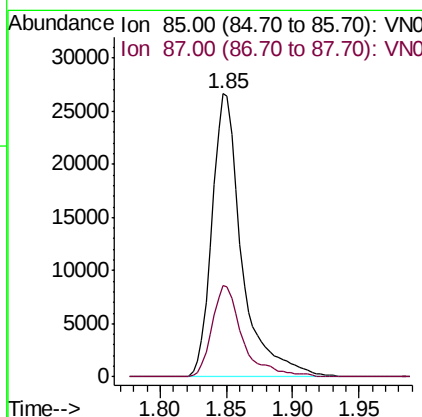
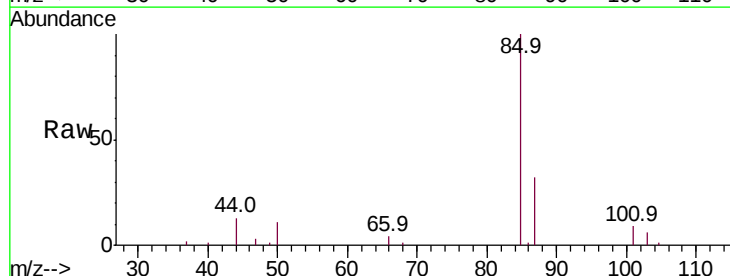
Manual Integrations
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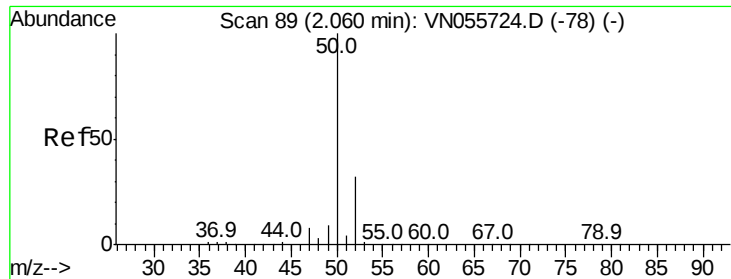
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#2
 Dichlorodifluoromethane
 Concen: 18.733 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.0





#3

Chloromethane

Concen: 18.707 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 50 Resp: 59386

Ion Ratio Lower Upper

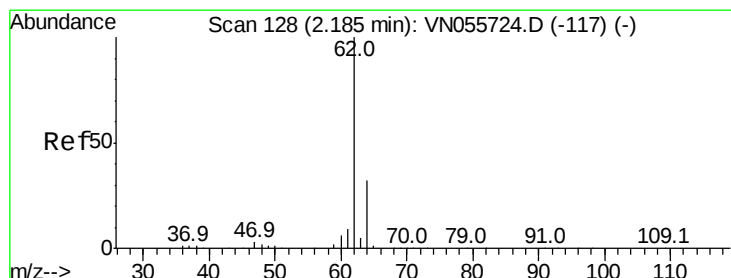
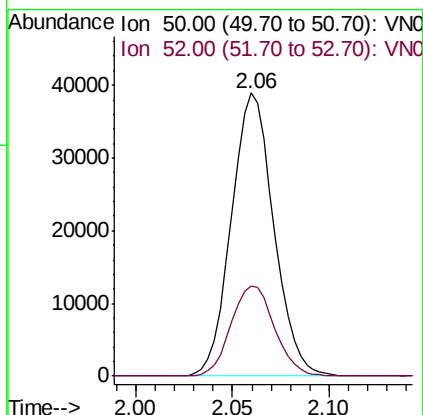
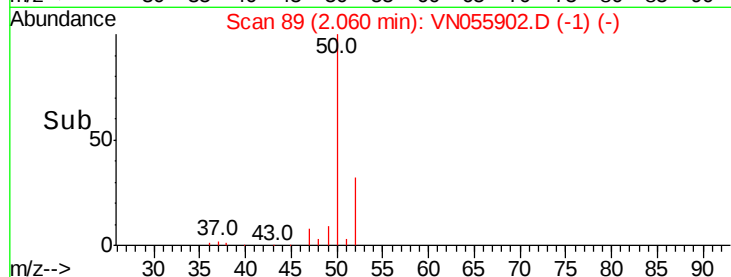
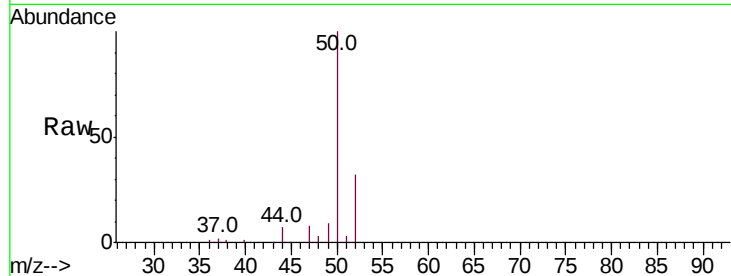
50 100

52 31.9 25.4 38.2

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#4

Vinyl Chloride

Concen: 19.511 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055902.D

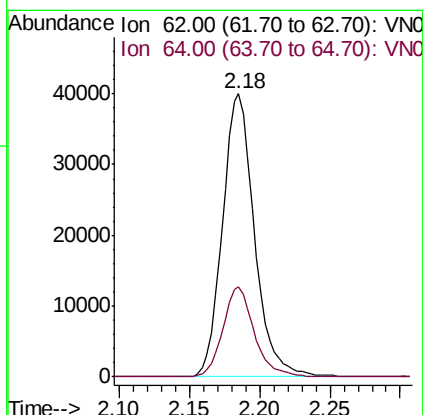
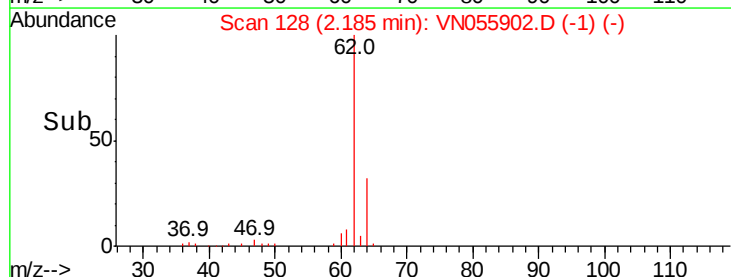
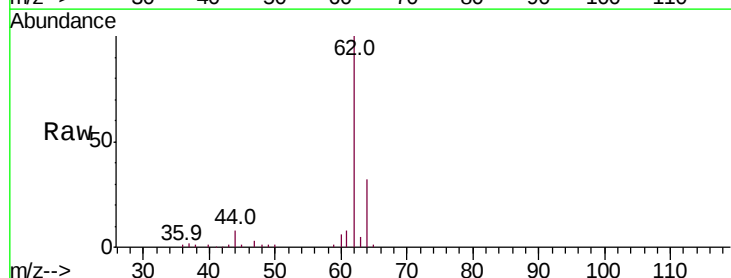
Acq: 30 May 2019 16:12

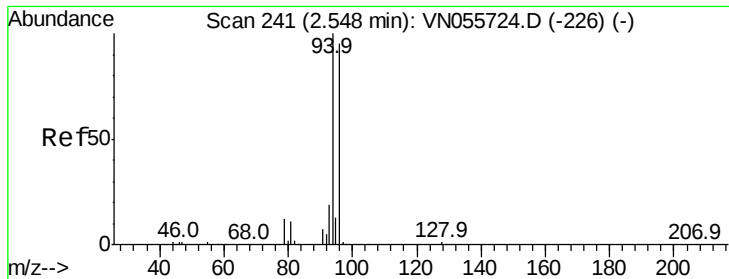
Tgt Ion: 62 Resp: 63216

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 23.846 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 94 Resp: 45235

Ion Ratio Lower Upper

94 100

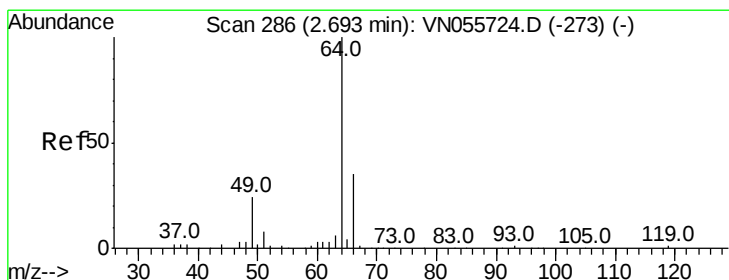
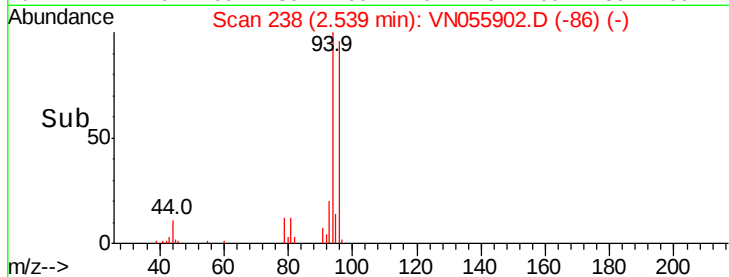
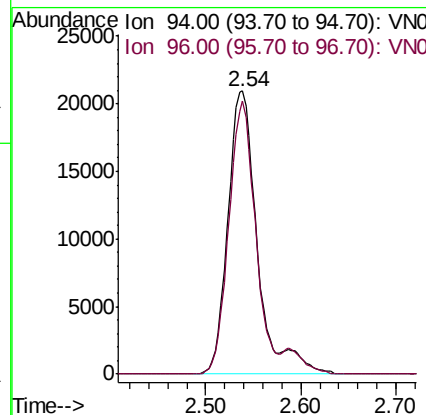
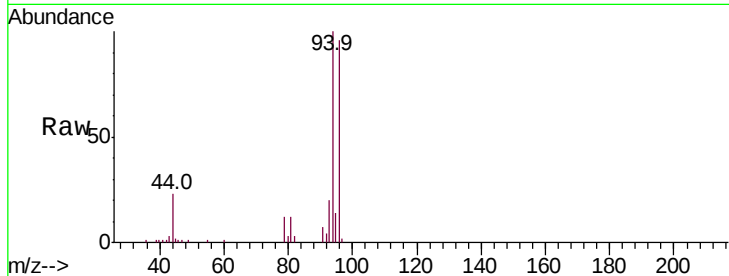
96 96.3 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 20.858 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055902.D

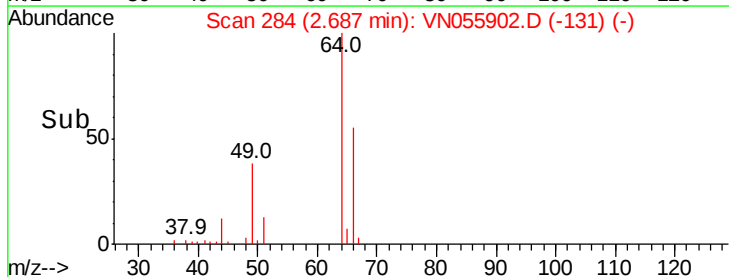
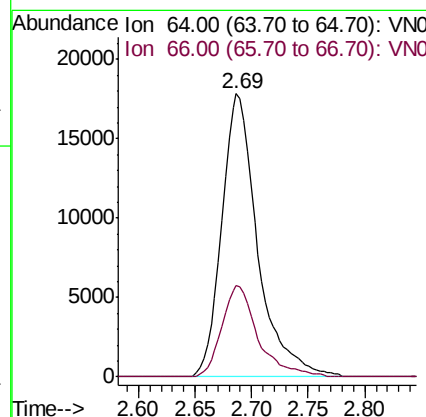
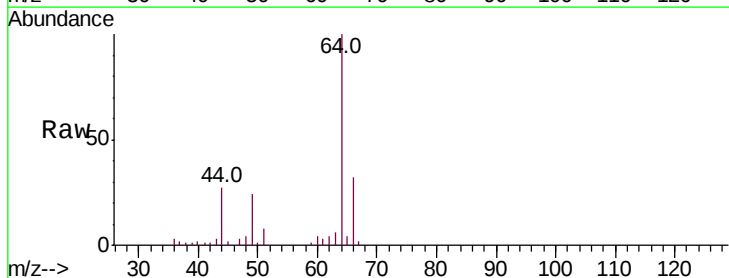
Acq: 30 May 2019 16:12

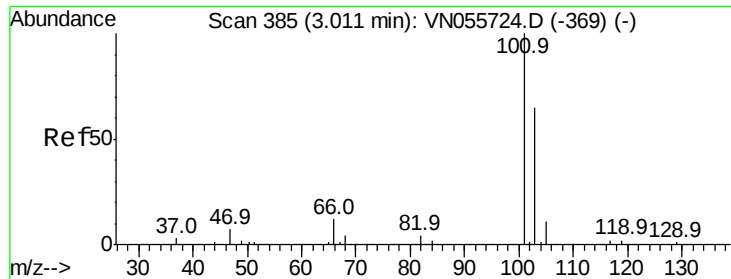
Tgt Ion: 64 Resp: 39480

Ion Ratio Lower Upper

64 100

66 32.3 27.9 41.9





#7

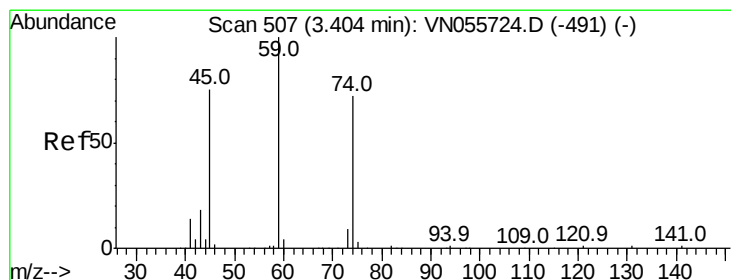
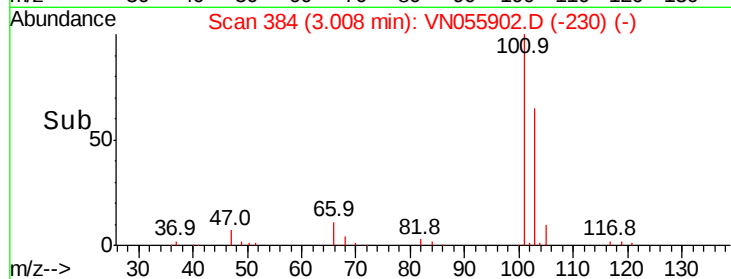
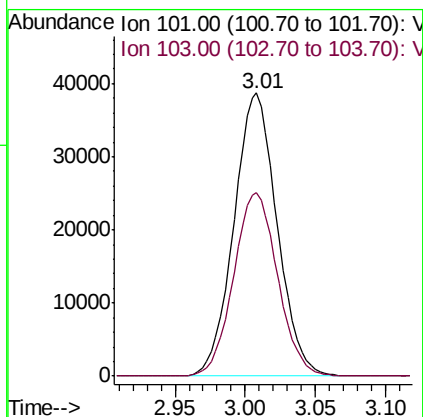
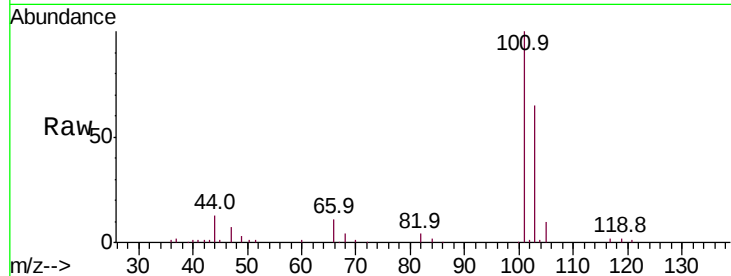
Trichlorofluoromethane
 Concen: 20.378 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
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 ClientSampleId :
 VN0530WBSD02

Tot Ion:101 Resp: 82834
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8

Manual Integrations
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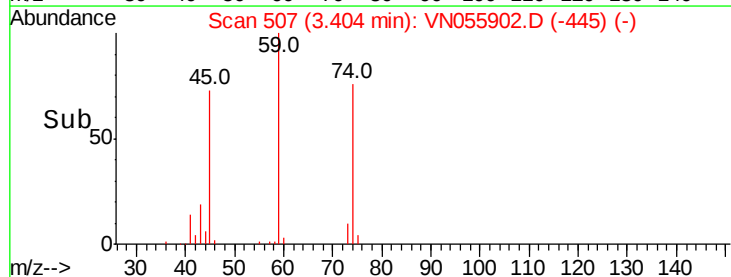
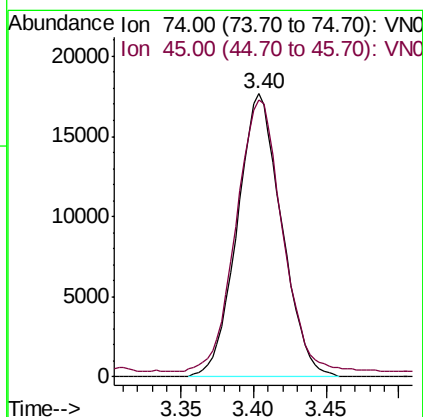
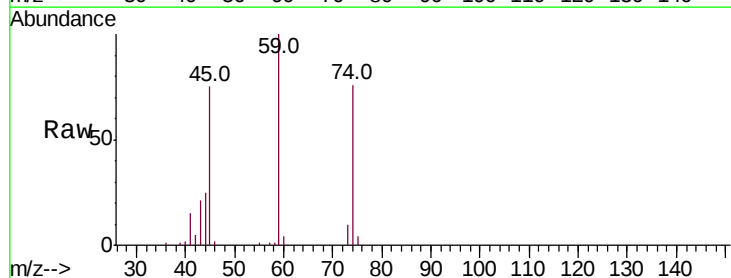
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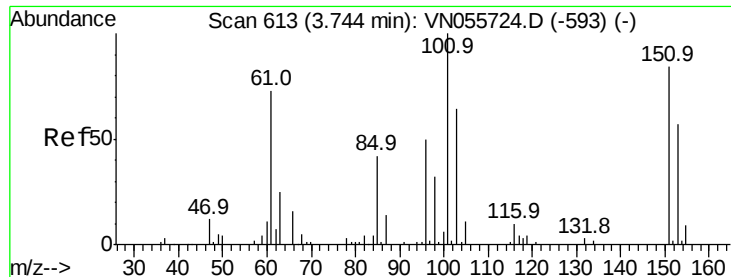


#8

Diethyl Ether
 Concen: 21.054 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion: 74 Resp: 37622
 Ion Ratio Lower Upper
 74 100
 45 98.9 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.448 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

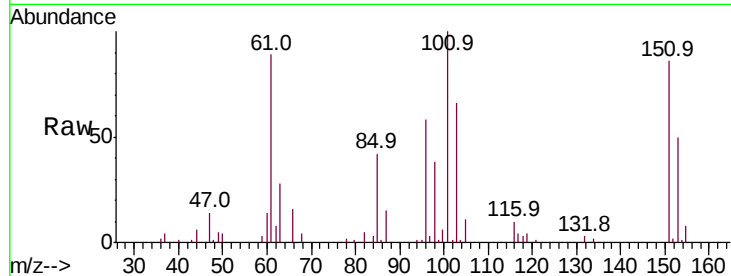
ClientSampleId :

VN0530WBSD02

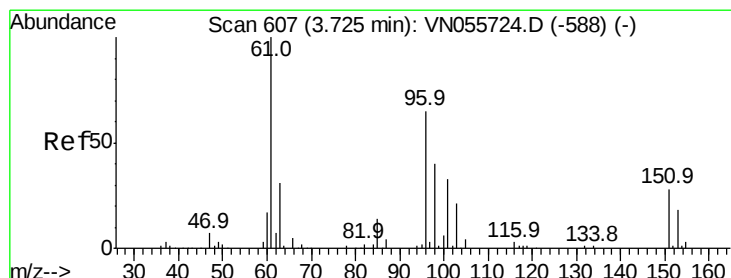
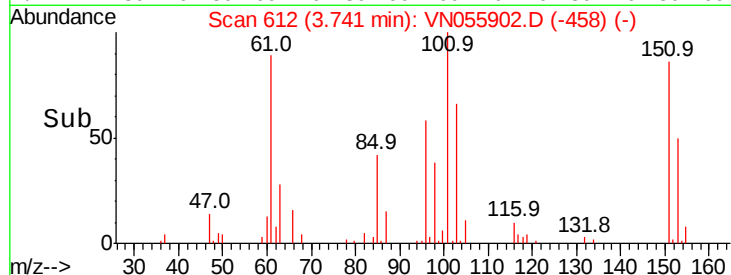
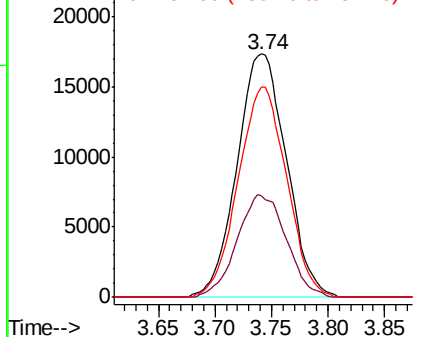
Tot Ion:	101	Resp:	52518
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	86.6
151	84.8	0.0	172.2

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VN
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.638 ug/l

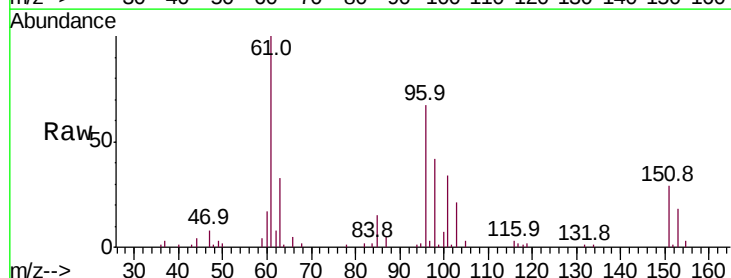
RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

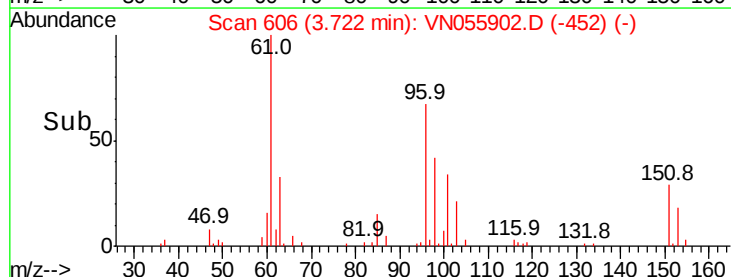
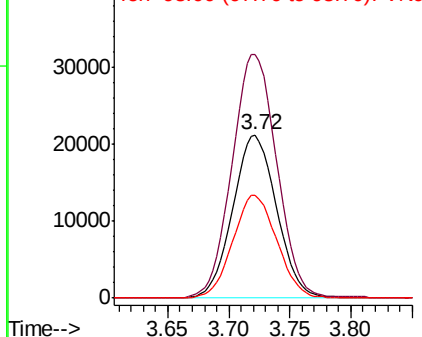
Lab File: VN055902.D

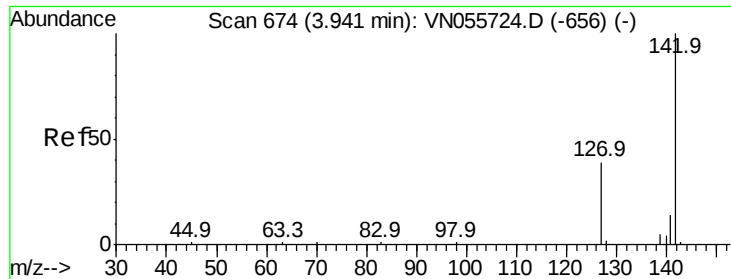
Acq: 30 May 2019 16:12

Tgt Ion:	96	Resp:	52764
Ion Ratio	Lower	Upper	
96	100		
61	148.3	123.7	185.5
98	62.7	50.0	75.0



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





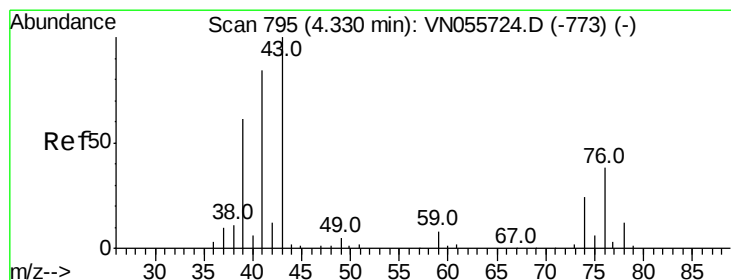
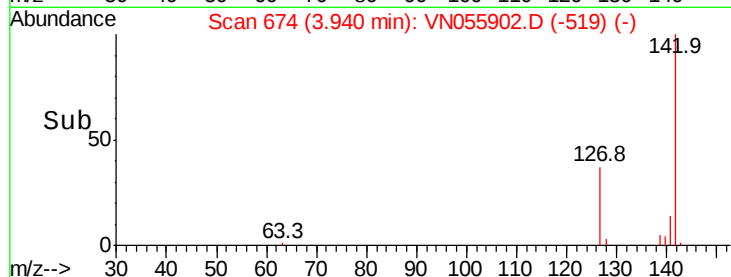
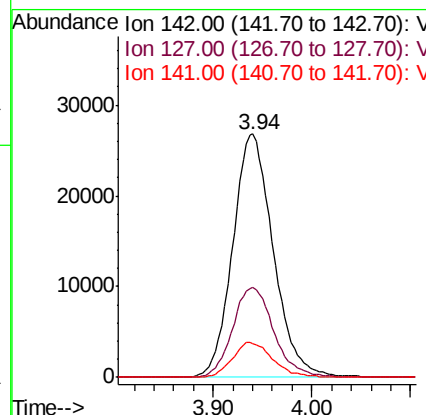
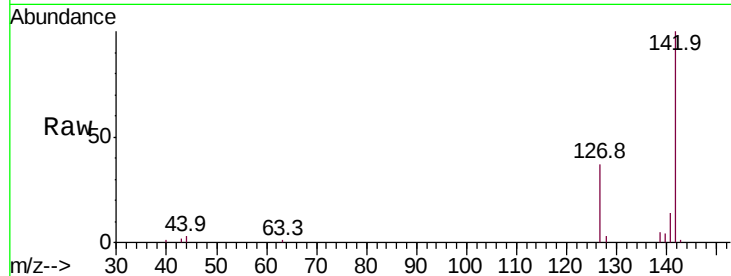
#11
Methyl Iodide
Concen: 19.938 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.0	19.6	58.7
141	14.0	6.9	20.6

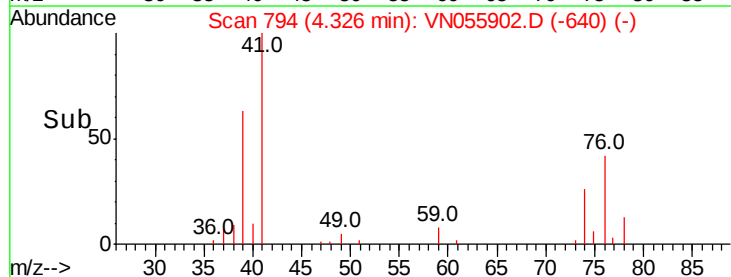
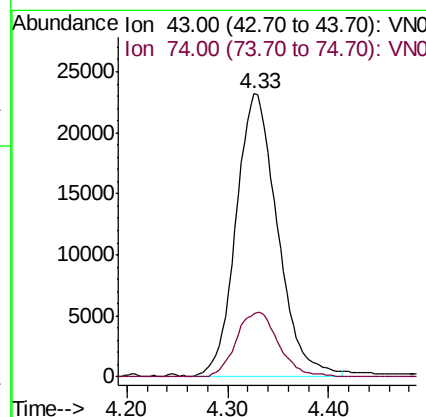
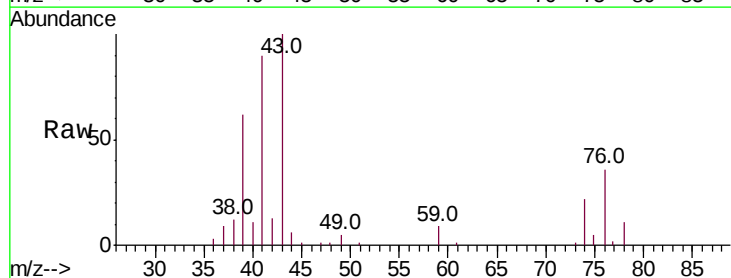
Manual Integrations
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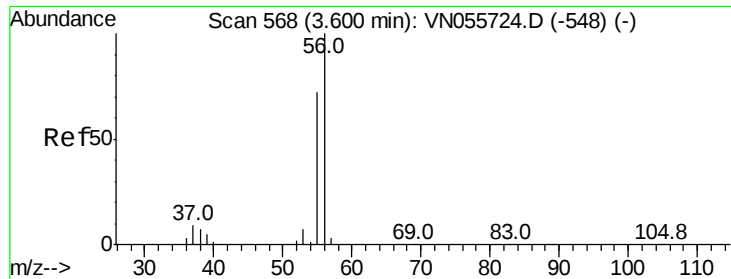
MMDadoda
5/31/2019 9:38:40 AM



#12
Methyl Acetate
Concen: 20.218 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.2	28.8





#13

Acrolein

Concen: 93.379 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 56 Resp: 42636

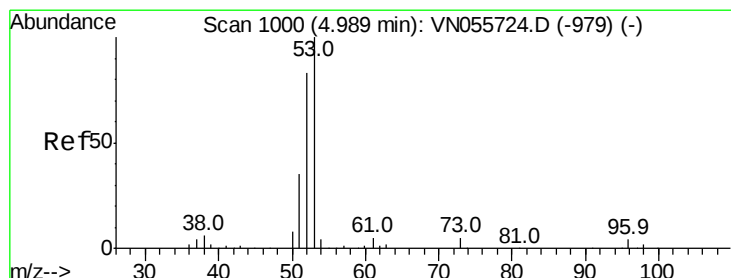
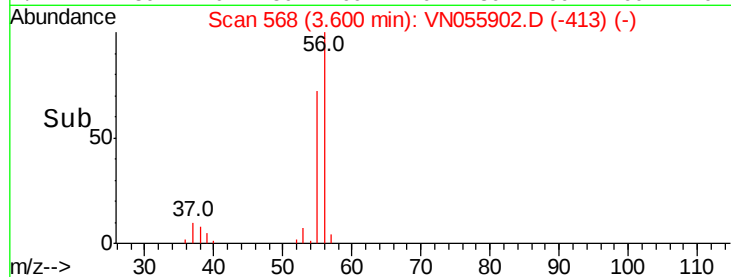
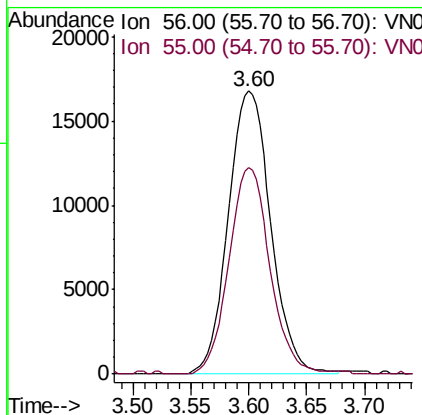
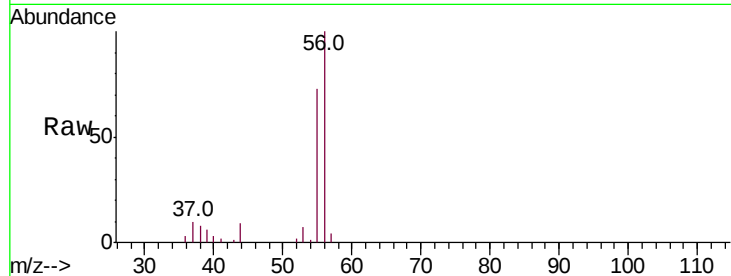
Ion Ratio Lower Upper

56 100

55 70.7 57.0 85.6

Manual Integrations
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#14

Acrylonitrile

Concen: 99.550 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

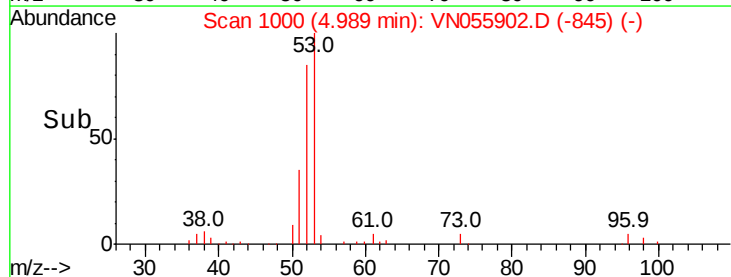
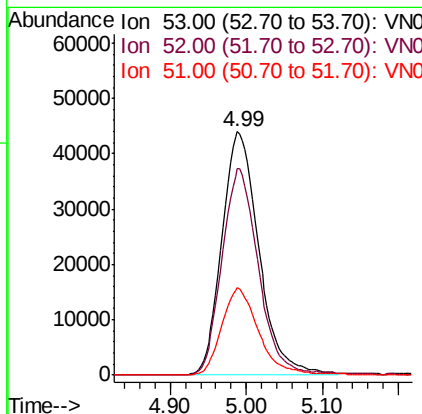
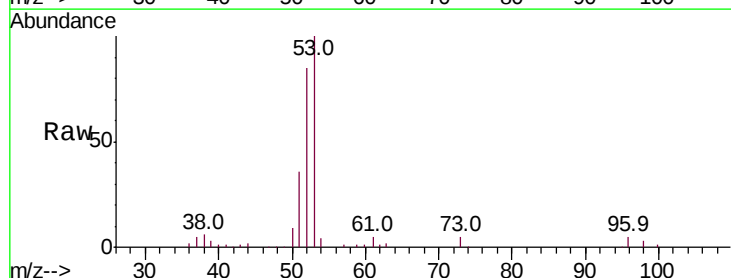
Tgt Ion: 53 Resp: 149141

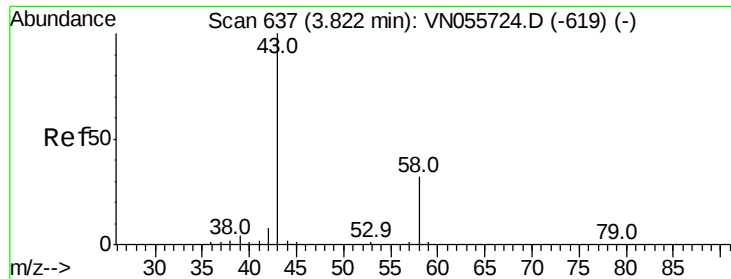
Ion Ratio Lower Upper

53 100

52 82.7 41.1 123.4

51 35.6 17.5 52.6





#15

Acetone

Concen: 98.505 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 58 Resp: 45832

Ion Ratio Lower Upper

58 100

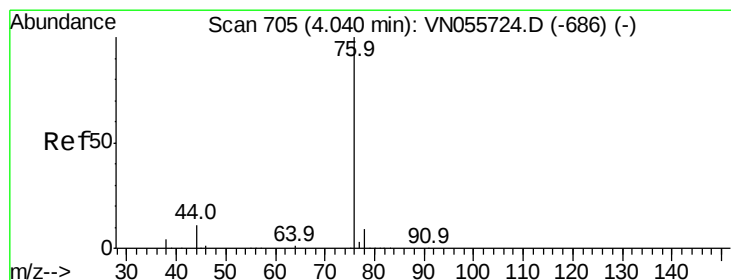
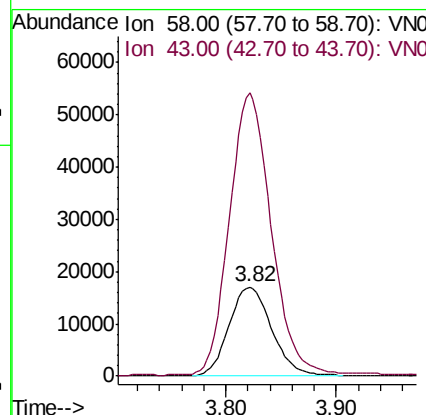
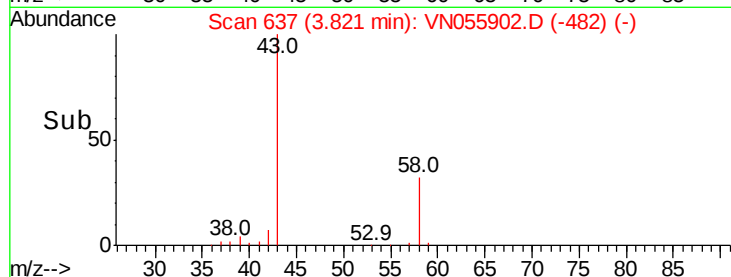
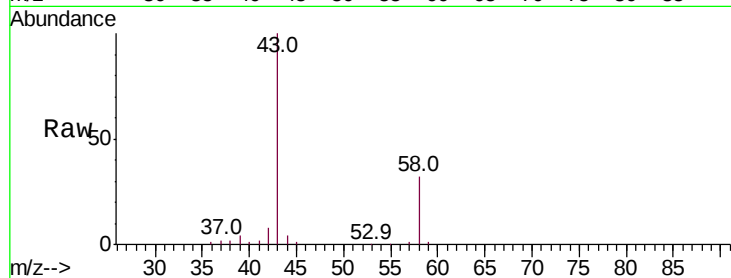
43 314.1 248.8 373.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 16.502 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055902.D

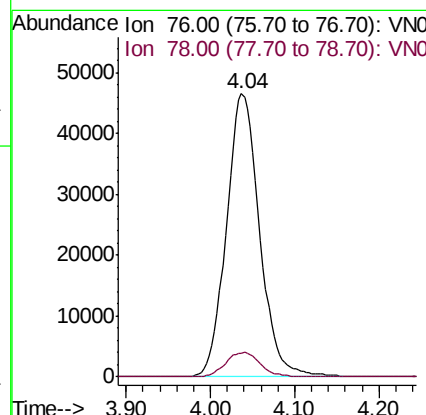
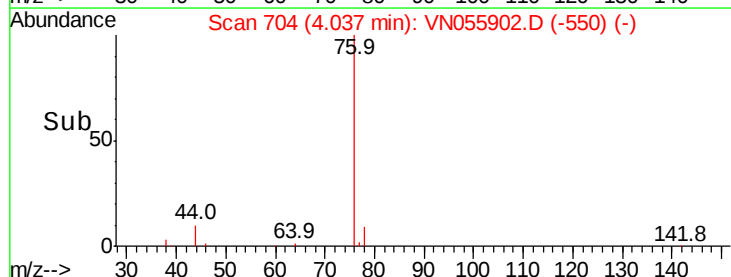
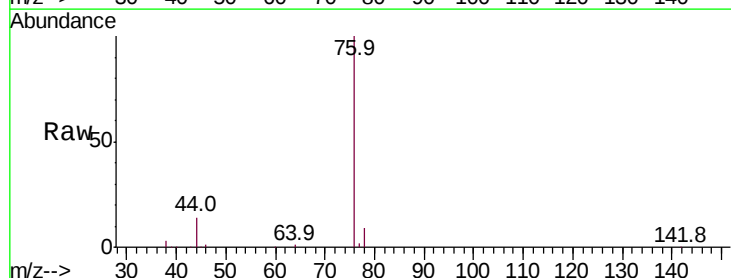
Acq: 30 May 2019 16:12

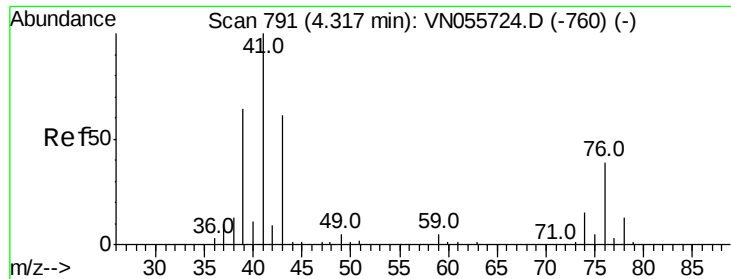
Tgt Ion: 76 Resp: 127125

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0





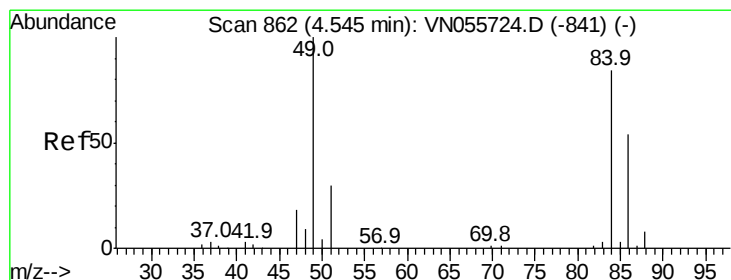
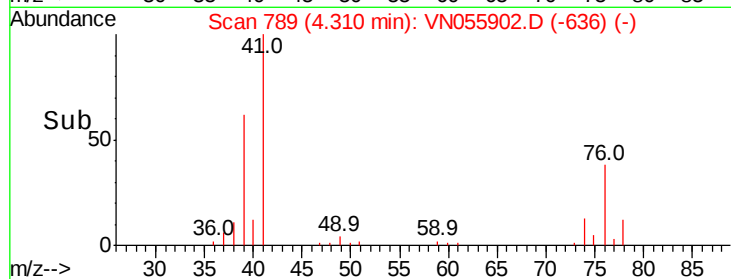
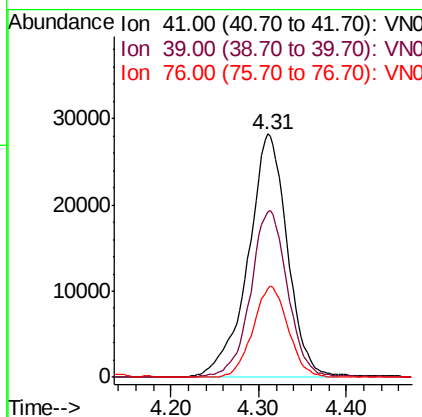
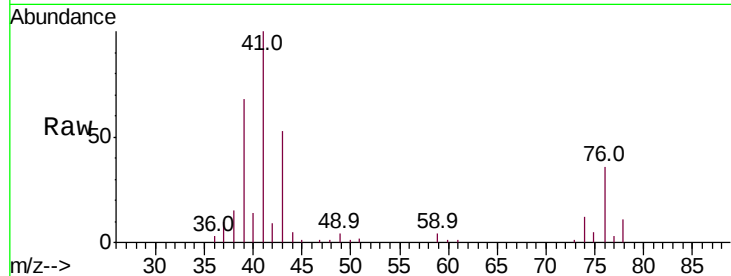
#17
Allvl chloride
Concen: 18.138 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.9	31.8	95.3
76	36.4	19.3	57.9

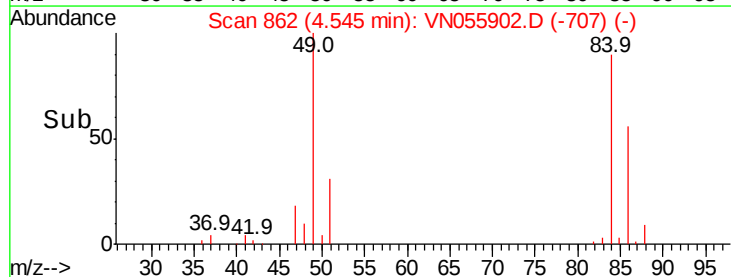
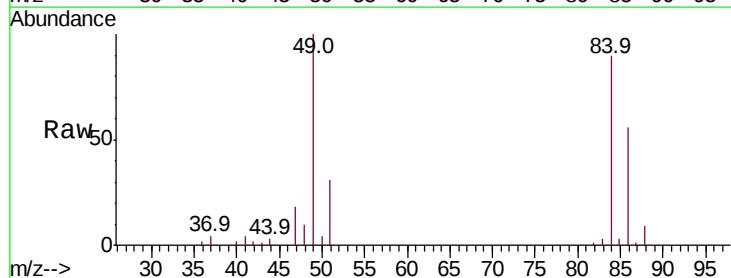
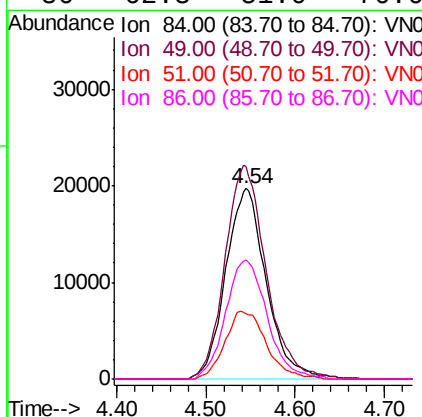
Manual Integrations
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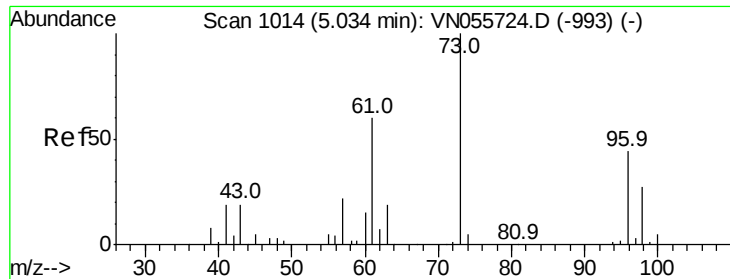
MMDadoda
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#18
Methylene Chloride
Concen: 20.206 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.3	94.7	142.1
51	34.1	28.6	43.0
86	62.3	51.0	76.6





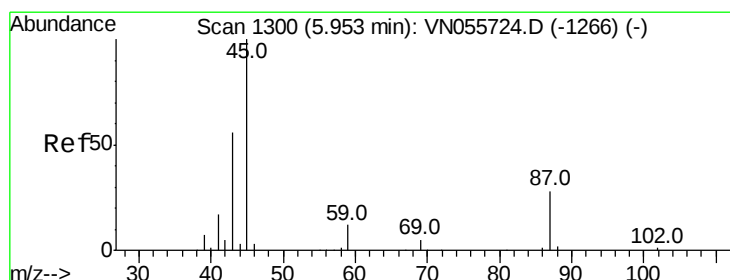
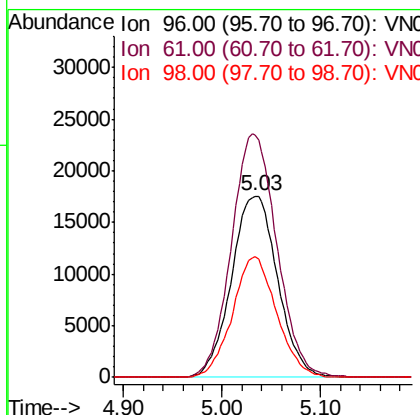
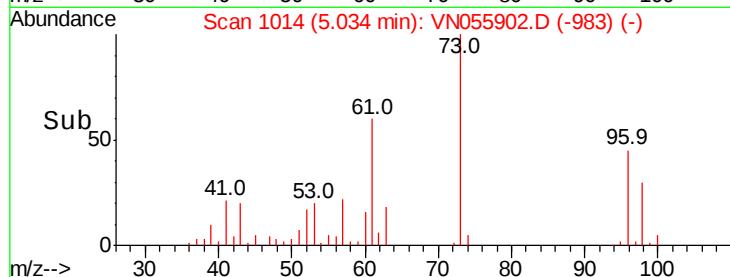
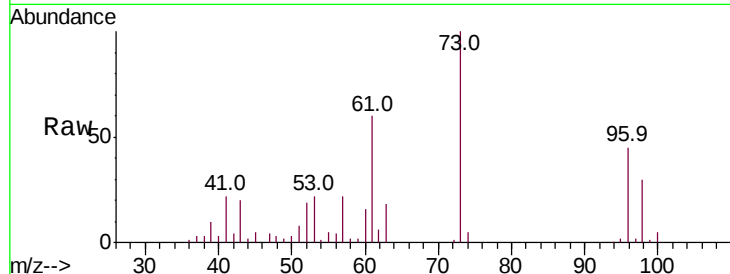
#19
trans-1,2-Dichloroethene
Concen: 19.742 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	108.5	162.7
98	66.4	49.4	74.2

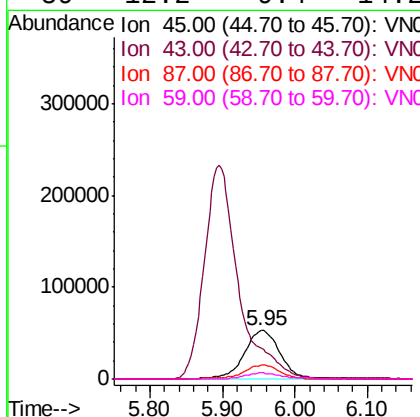
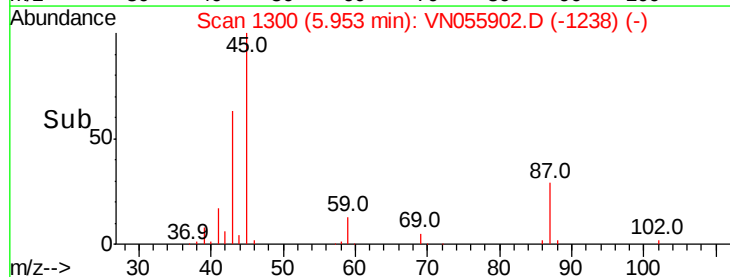
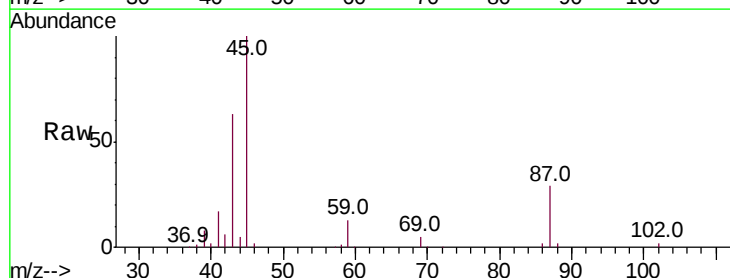
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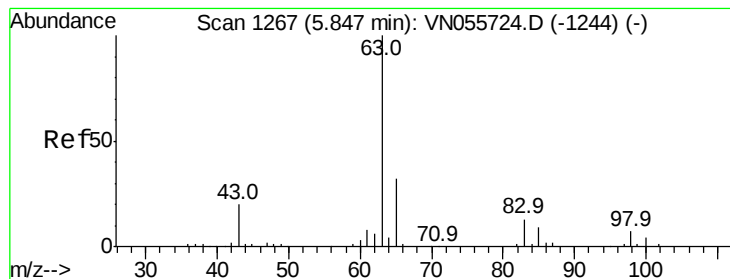
MMDadoda
5/31/2019 9:38:40 AM



#20
Diisopropyl ether
Concen: 19.447 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	73.0
87	28.1	22.6	34.0
59	12.2	9.4	14.2





#21

1,1-Dichloroethane

Concen: 19.739 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

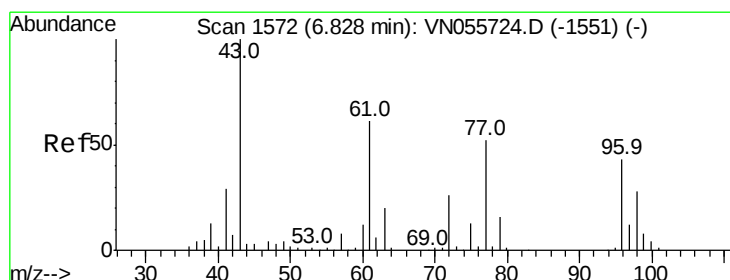
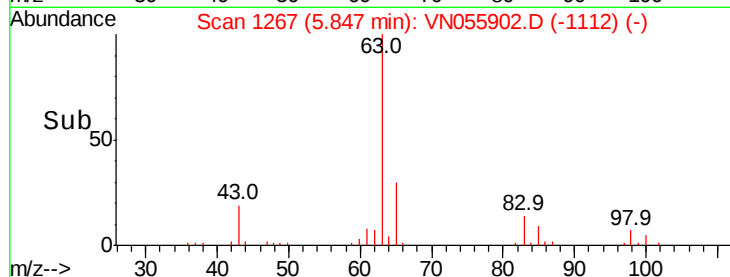
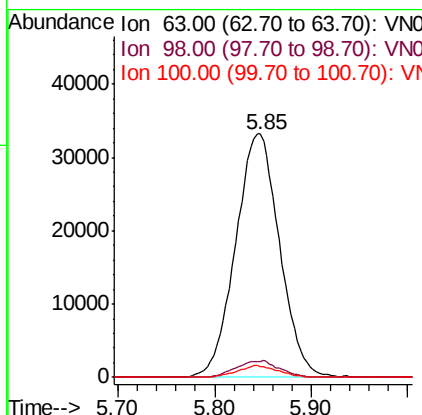
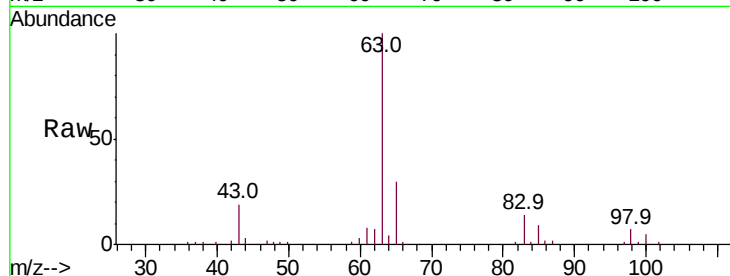
ClientSampleId :

VN0530WBSD02

Tot Ion:	63	Resp:	104722
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.4	10.2
100	4.6	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 20.171 ug/l

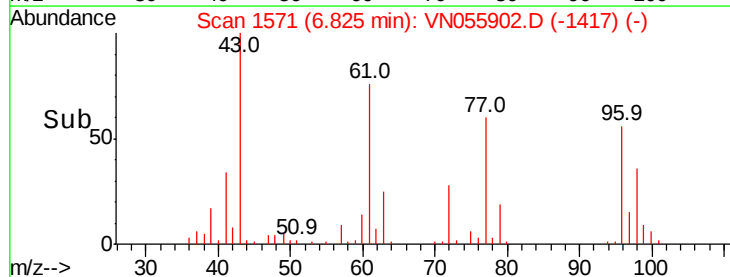
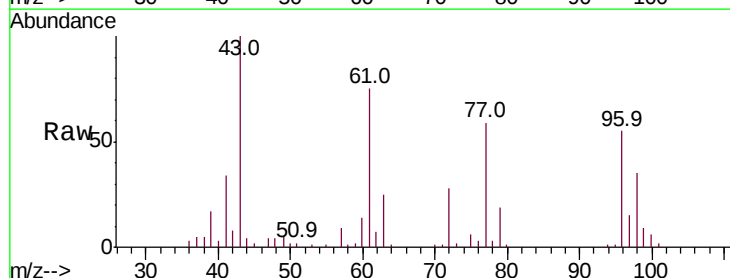
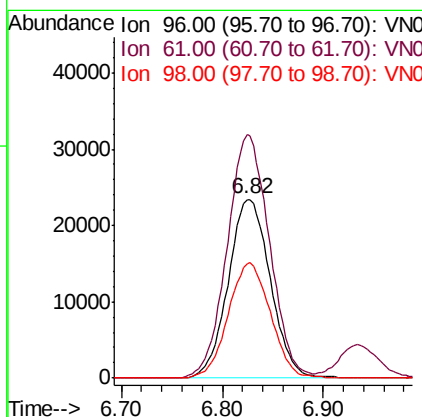
RT: 6.82 min Scan# 1571

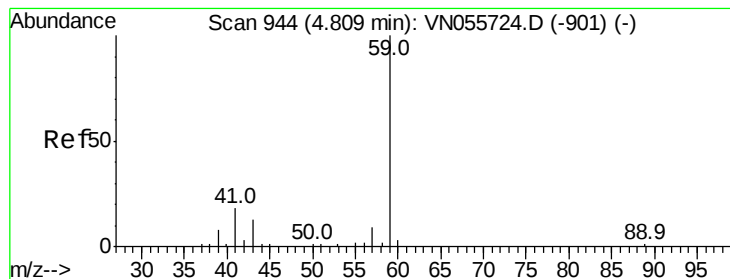
Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion:	96	Resp:	67993
Ion Ratio	Lower	Upper	
96	100		
61	136.6	115.7	173.5
98	64.5	51.5	77.3





#23

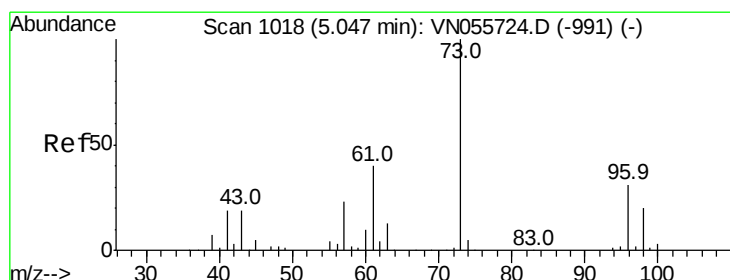
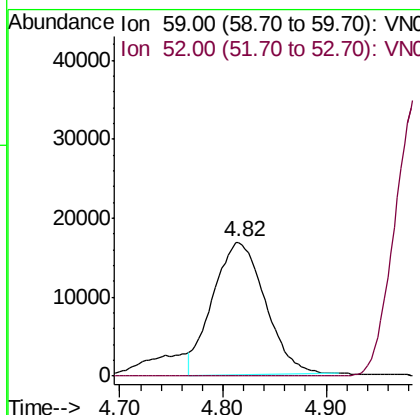
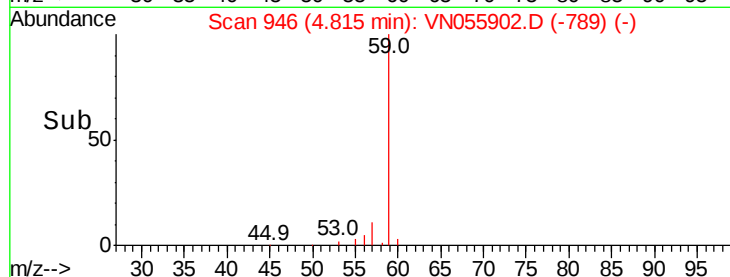
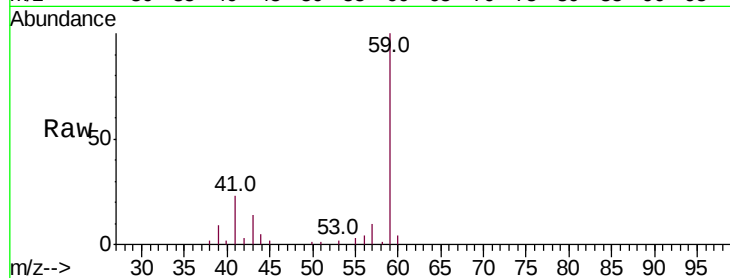
tert-Butyl Alcohol
 Concen: 90.265 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	

Manual Integrations
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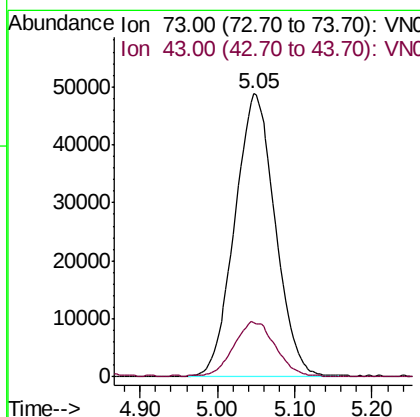
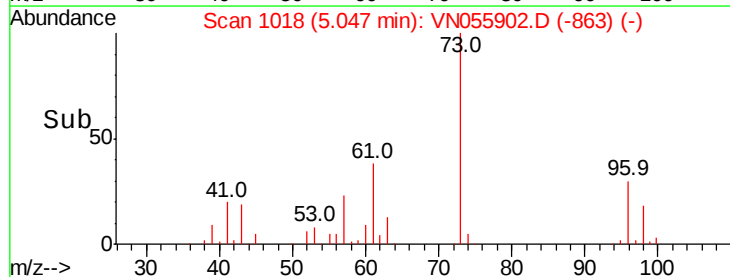
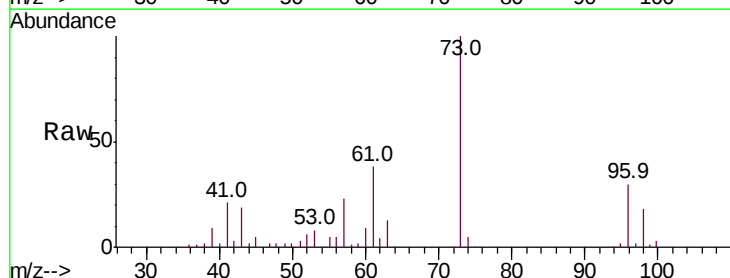
MMDadoda
 5/31/2019 9:38:40 AM

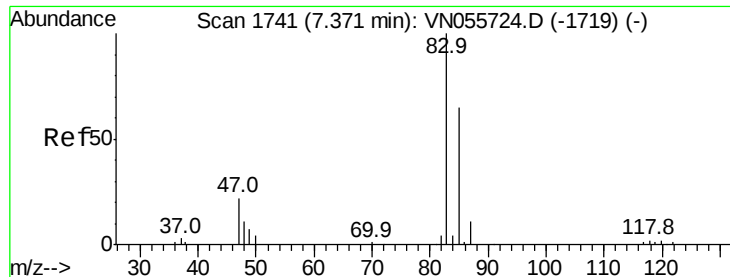


#24

Methyl tert-Butyl Ether
 Concen: 19.516 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	19.7	15.7	23.5	





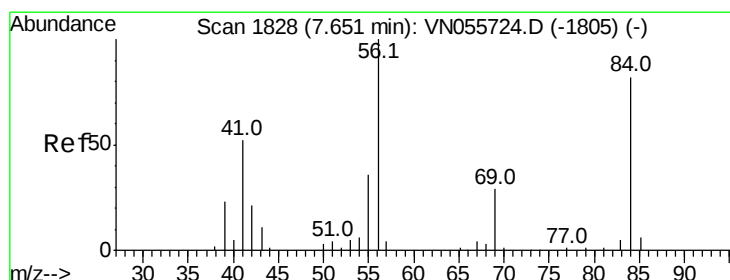
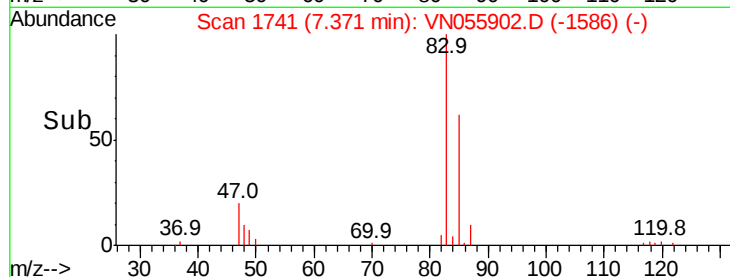
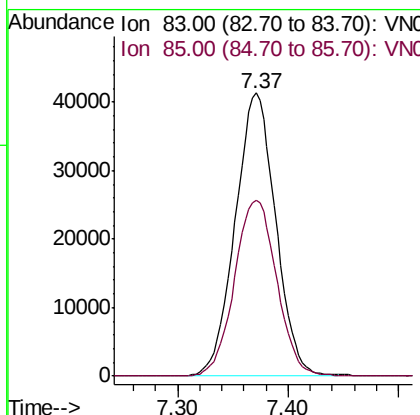
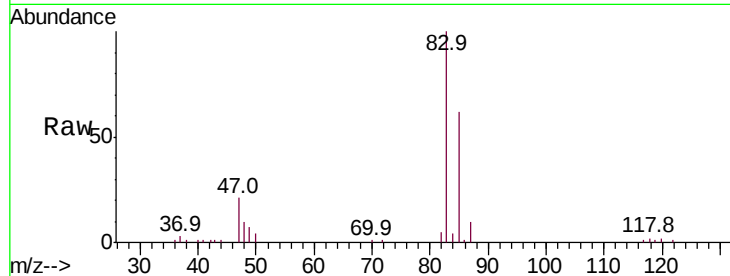
#25
Chloroform
Concen: 20.036 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	83	Resp	104990
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	51.7	77.5

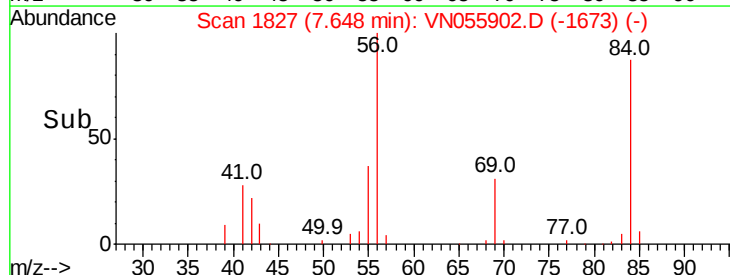
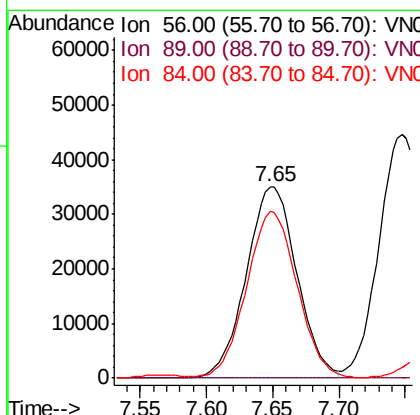
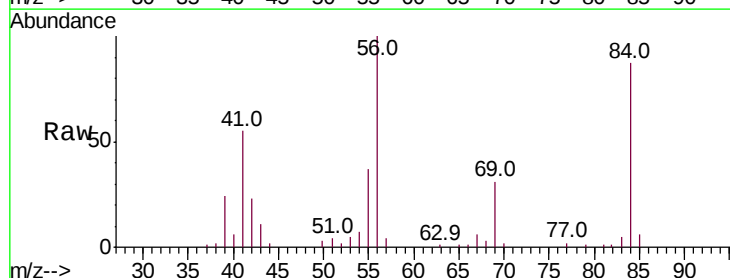
Manual Integrations
APPROVED

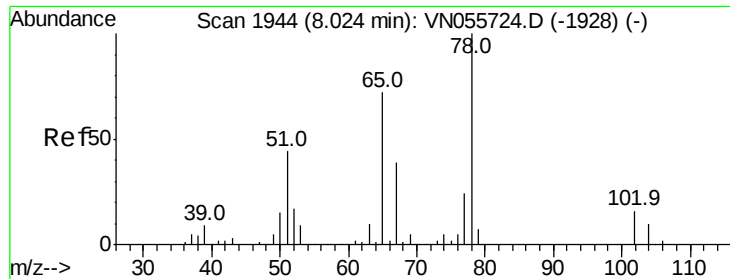
MMDadoda
5/31/2019 9:38:40 AM



#26
Cyclohexane
Concen: 19.098 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	56	Resp	93475
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	85.9	67.2	100.8





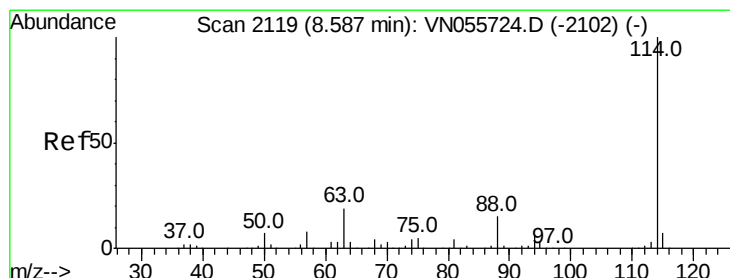
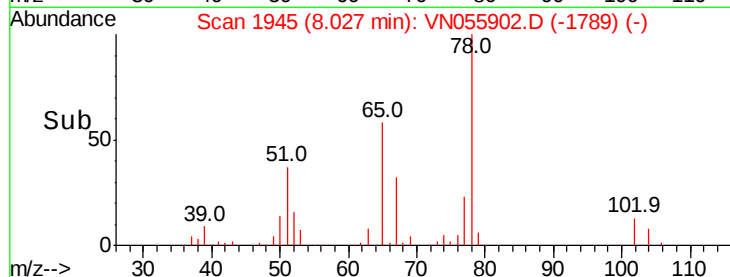
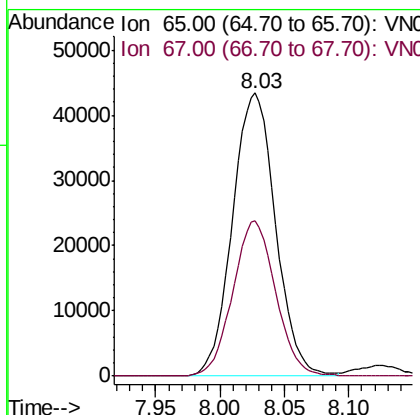
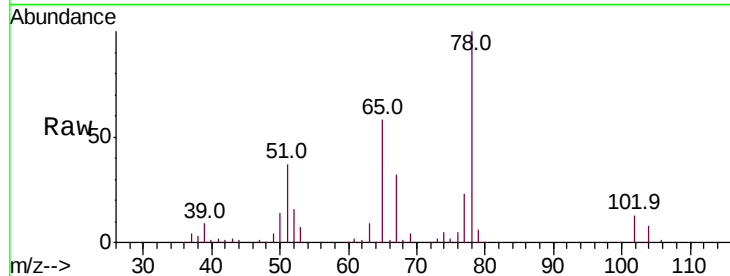
#27
 1,2-Dichloroethane-d4
 Concen: 30.333 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100923		
67	54.5		43.5	65.3

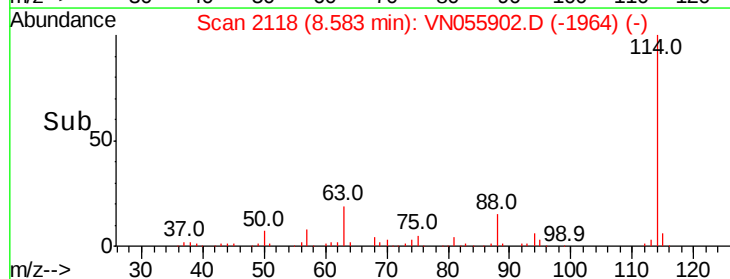
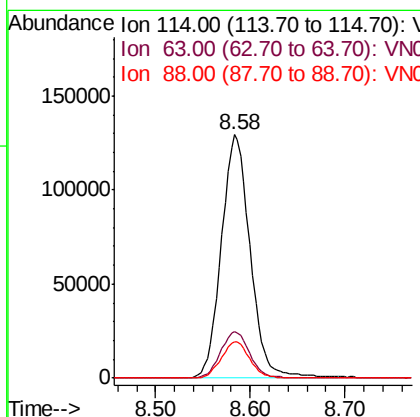
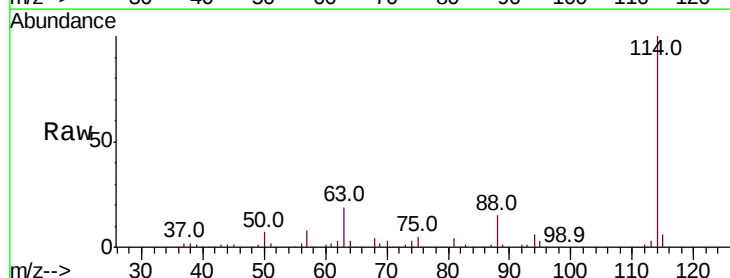
Manual Integrations
 APPROVED

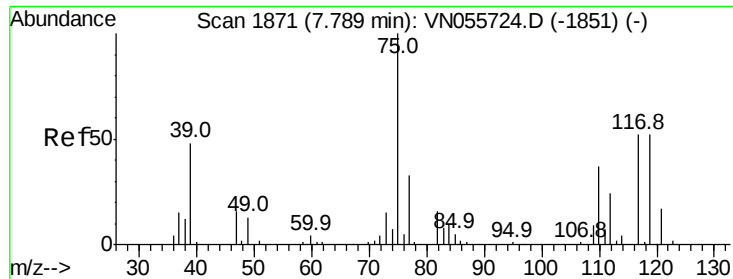
MMDadoda
 5/31/2019 9:38:40 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	274039		
63	19.4		15.6	23.4
88	14.8		12.3	18.5





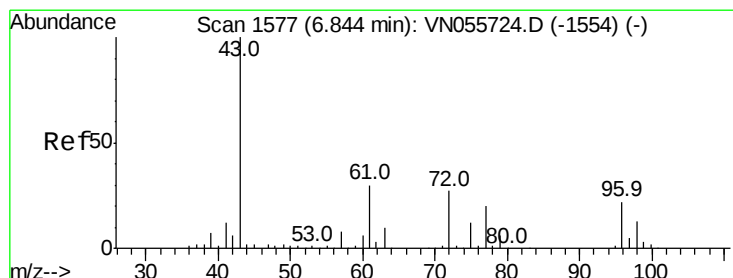
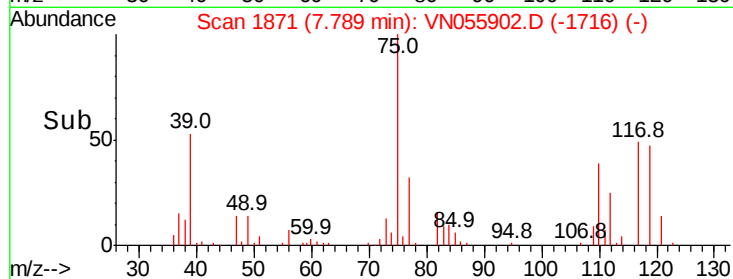
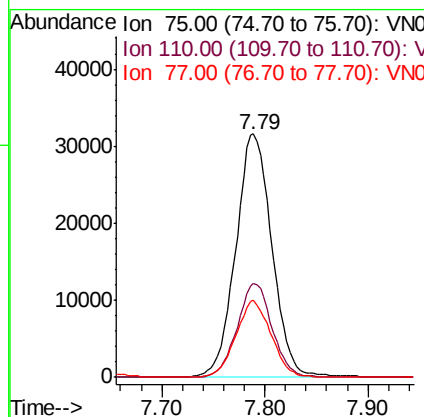
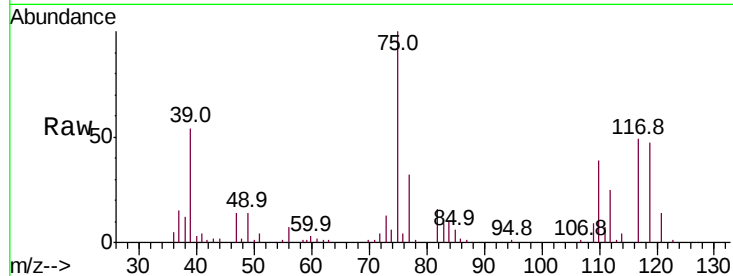
#29
 1,1-Dichloropropene
 Concen: 20.149 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.1	0.0	74.8
77	30.7	0.0	65.2

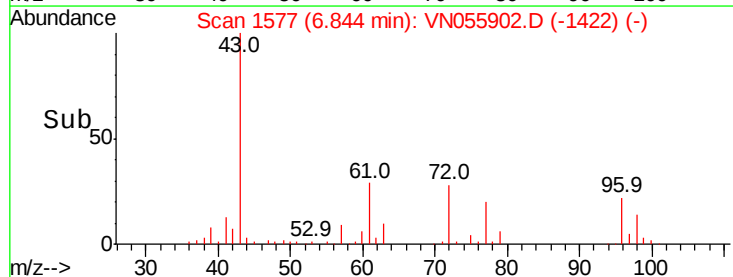
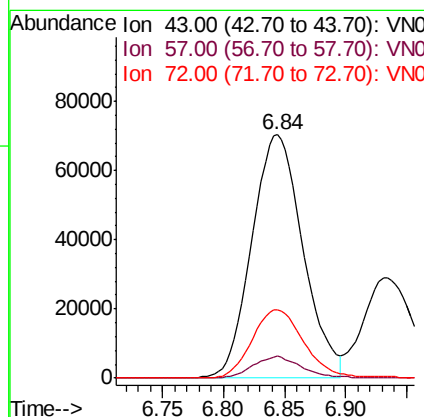
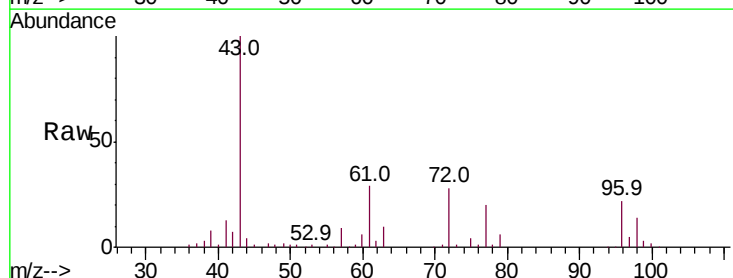
Manual Integrations
 APPROVED

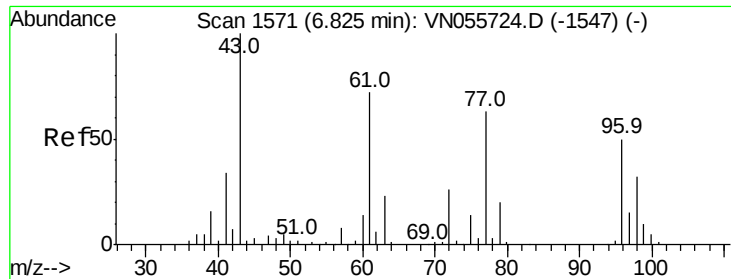
MMDadoda
 5/31/2019 9:38:40 AM



#30
 2-Butanone
 Concen: 99.446 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.6	10.0
72	28.6	21.7	32.5





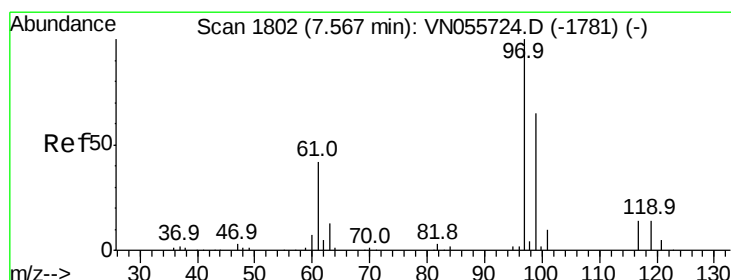
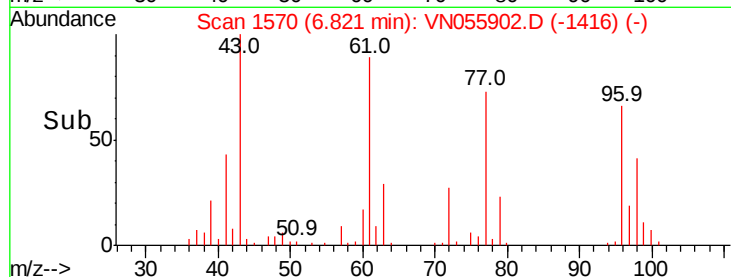
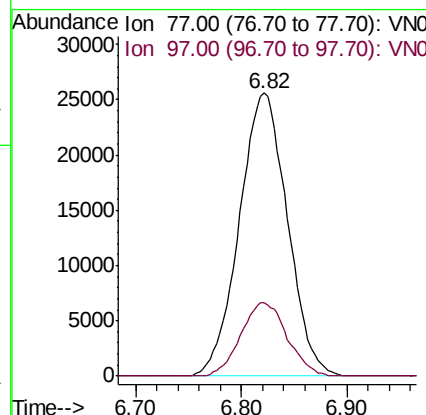
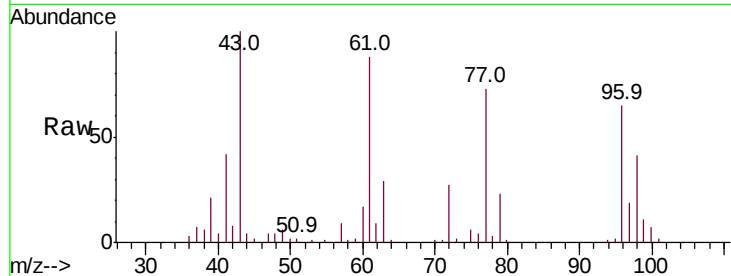
#31
 2,2-Dichloropropane
 Concen: 18.168 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion: 77 Resp: 81107
 Ion Ratio Lower Upper
 77 100
 97 25.1 19.2 28.8

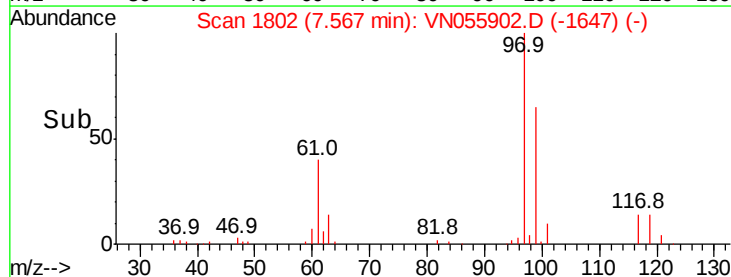
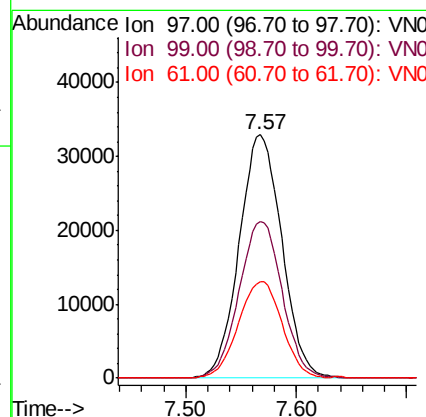
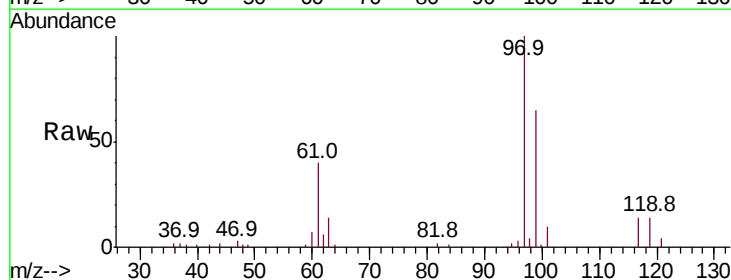
Manual Integrations
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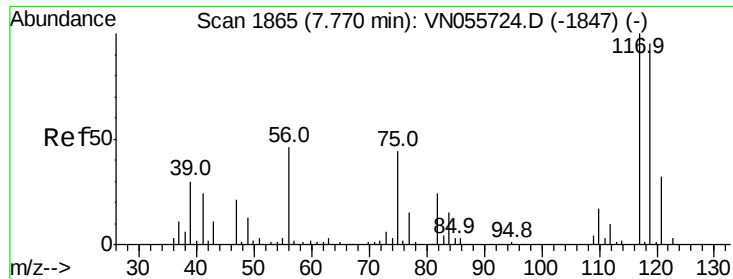
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.431 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion: 97 Resp: 88353
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.7 77.5
 61 40.7 33.1 49.7





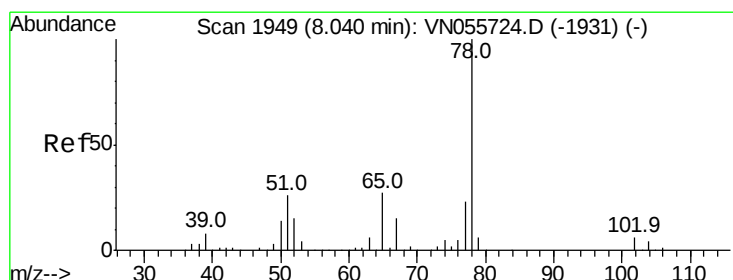
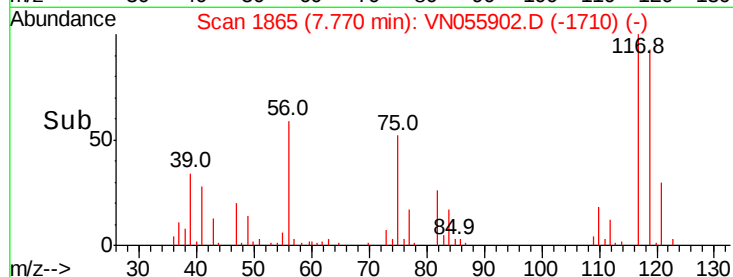
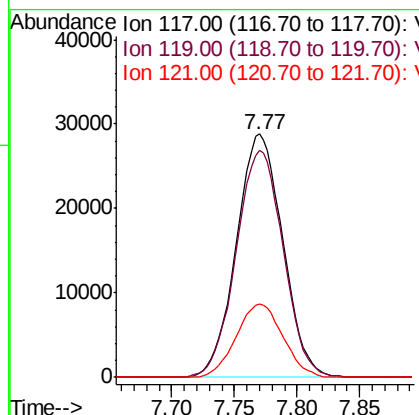
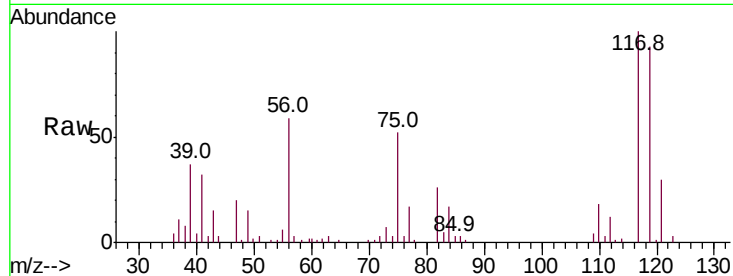
#33
Carbon Tetrachloride
Concen: 18.223 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.8	113.8
121	30.0	25.4	38.0

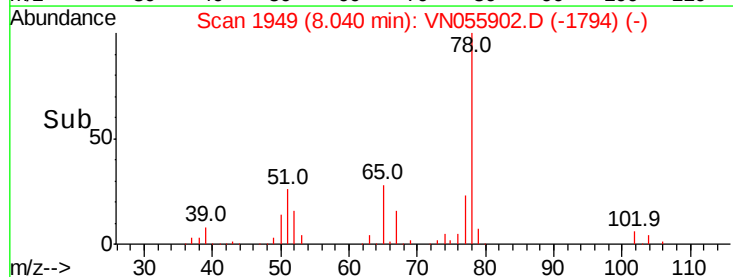
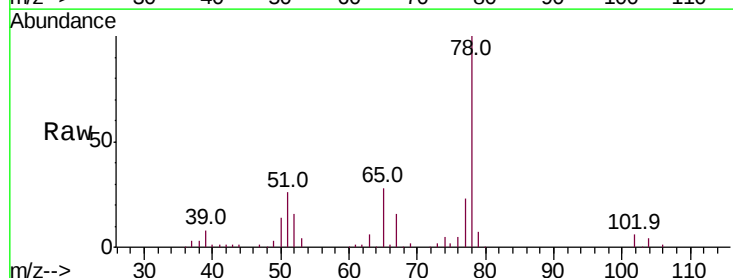
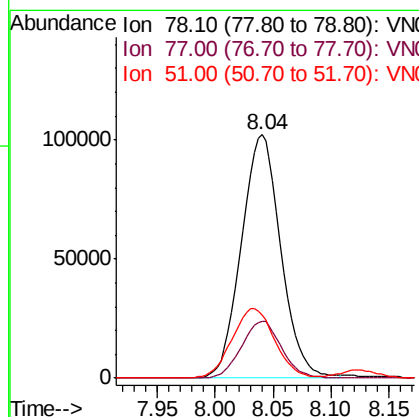
Manual Integrations
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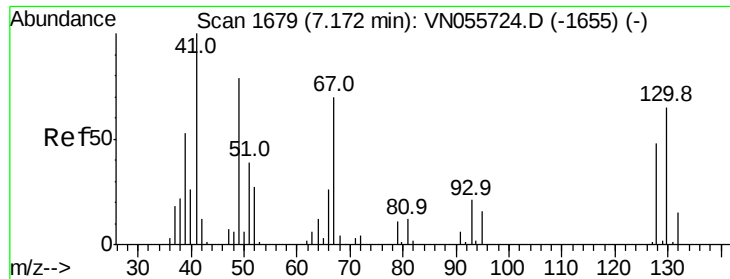
MMDadoda
5/31/2019 9:38:40 AM



#34
Benzene
Concen: 20.470 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2
51	25.8	20.6	31.0





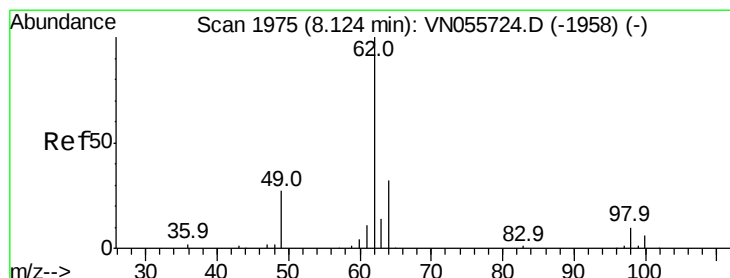
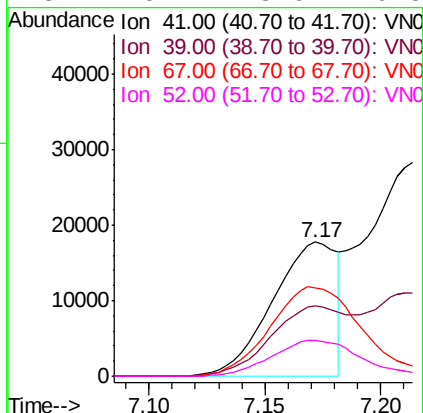
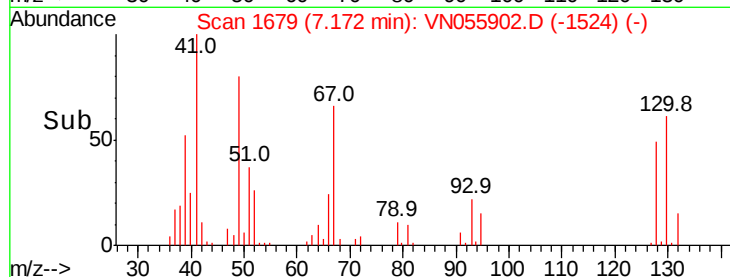
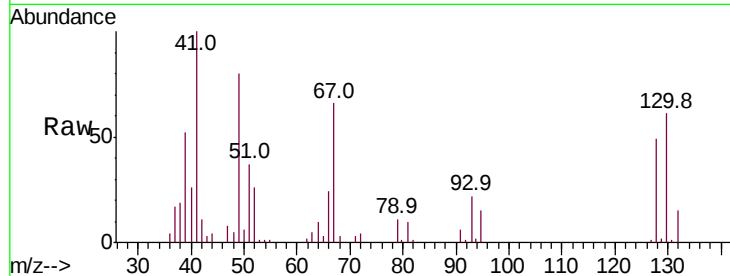
#35
Methacrylonitrile
Concen: 18.180 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion:	41	Resp:	34312
Ion	Ratio	Lower	Upper
41	100		
39	52.2	26.7	80.1
67	66.3	34.9	104.7
52	26.4	13.6	40.8

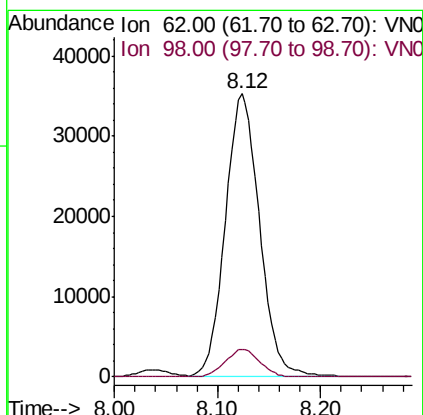
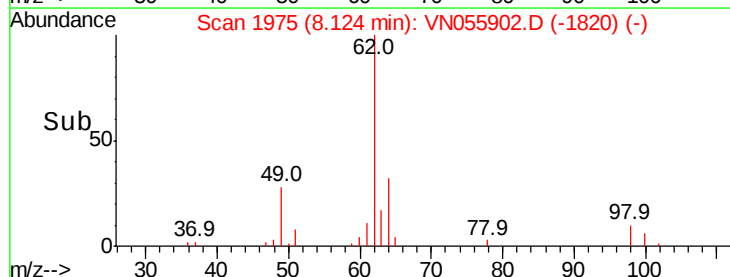
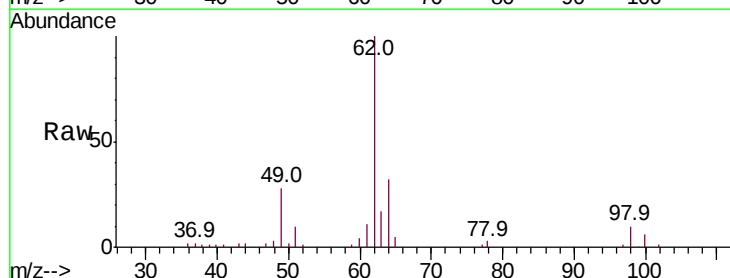
Manual Integrations
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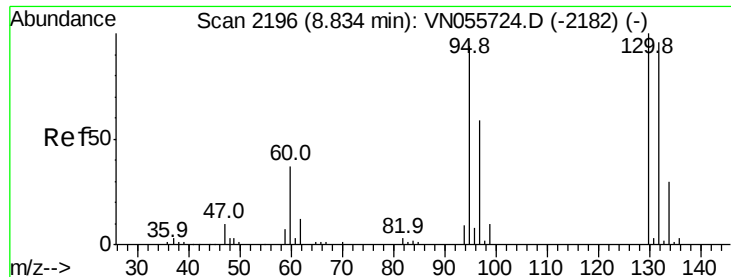
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#36
1,2-Dichloroethane
Concen: 21.105 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion:	62	Resp:	81688
Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.2	12.2





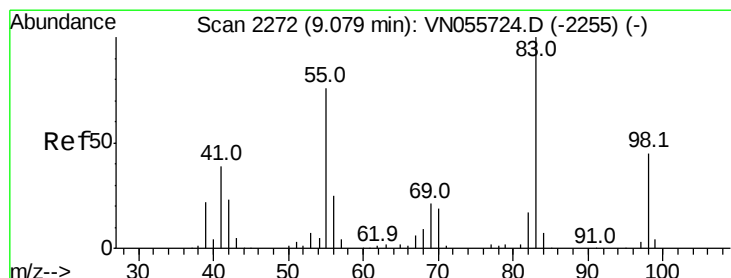
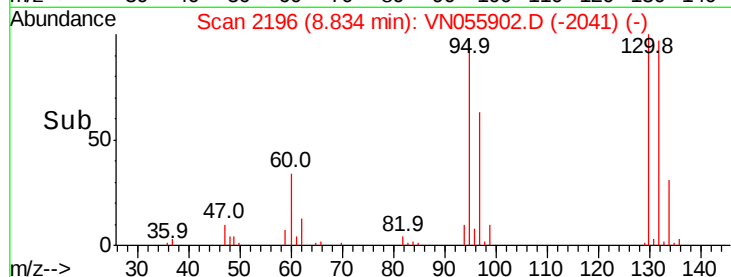
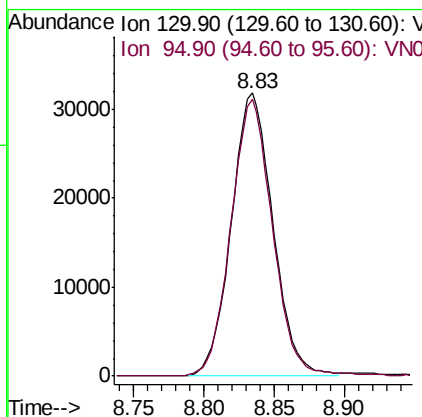
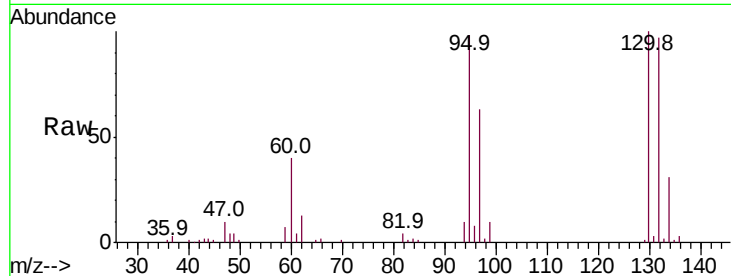
#37
 Trichloroethene
 Concen: 19.884 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion:130 Resp: 65709
 Ion Ratio Lower Upper
 130 100
 95 97.1 75.6 113.4

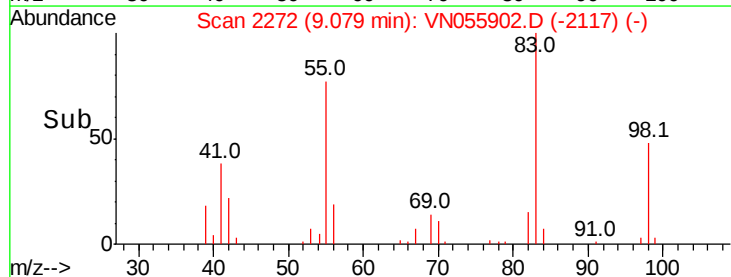
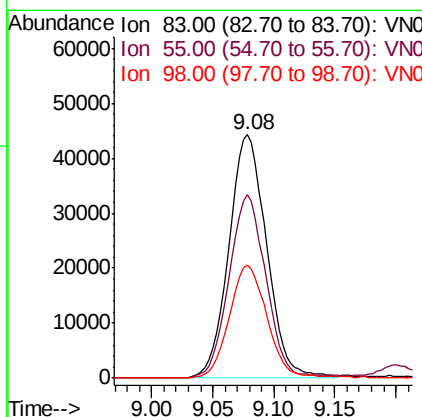
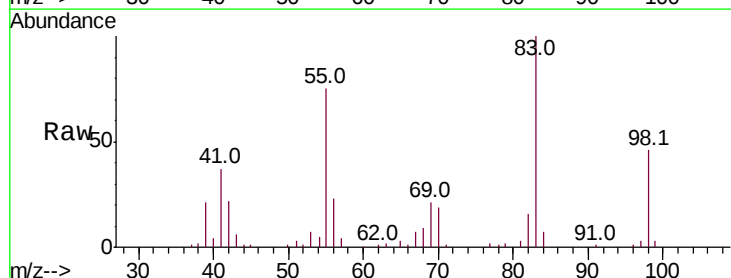
Manual Integrations
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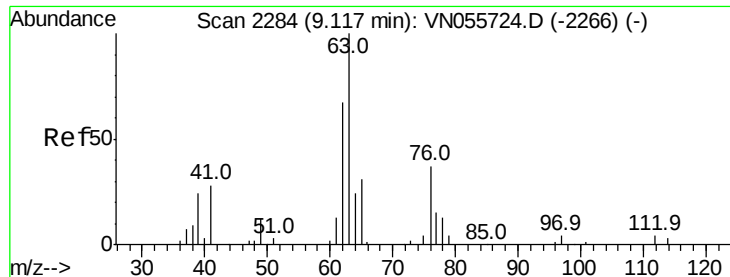
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.641 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion: 83 Resp: 95466
 Ion Ratio Lower Upper
 83 100
 55 73.4 37.8 113.4
 98 46.4 22.6 67.8





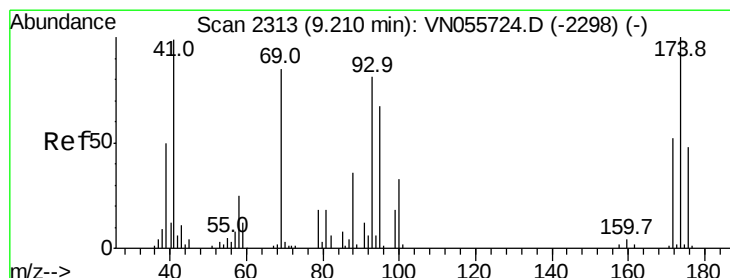
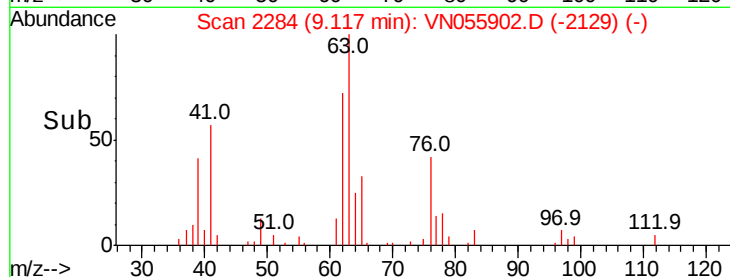
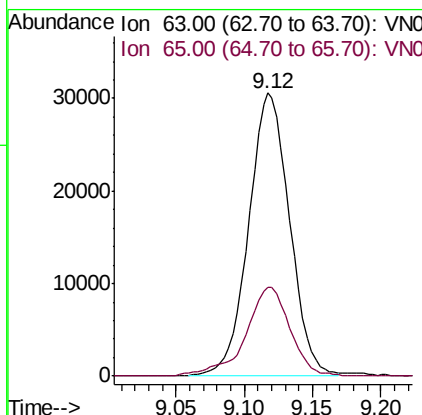
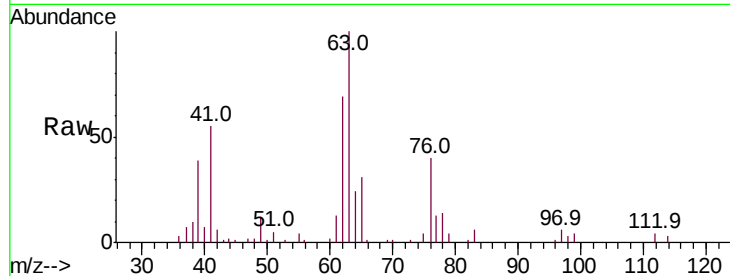
#39
 1,2-Dichloropropane
 Concen: 19.989 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion: 63 Resp: 63646
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.8 38.8

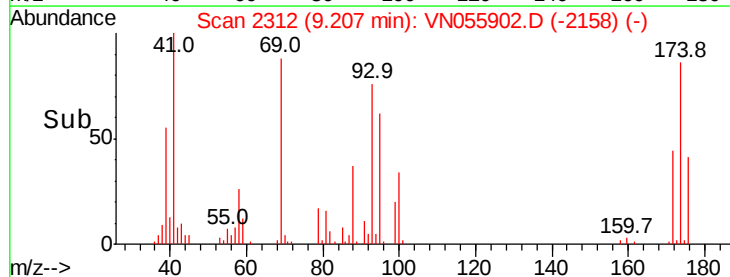
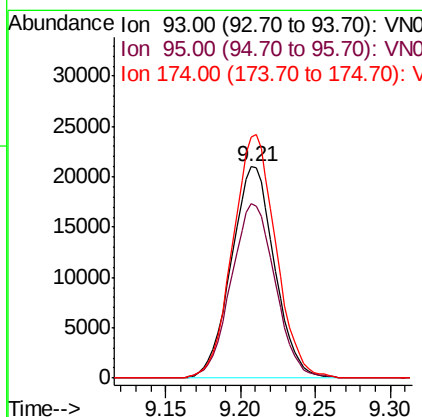
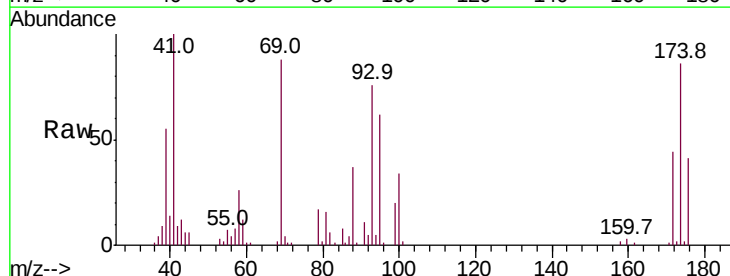
Manual Integrations
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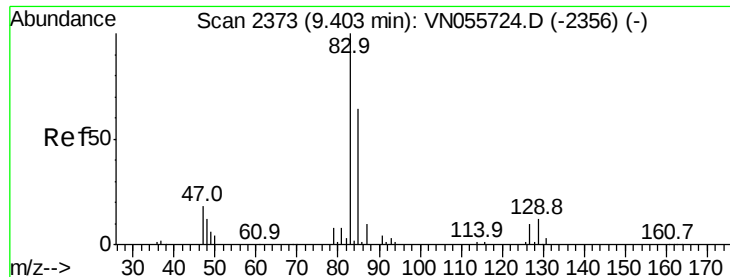
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#40
 Dibromomethane
 Concen: 20.548 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion: 93 Resp: 42247
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 170.6
 174 114.7 0.0 248.4





#41

Bromodichloromethane

Concen: 18.583 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

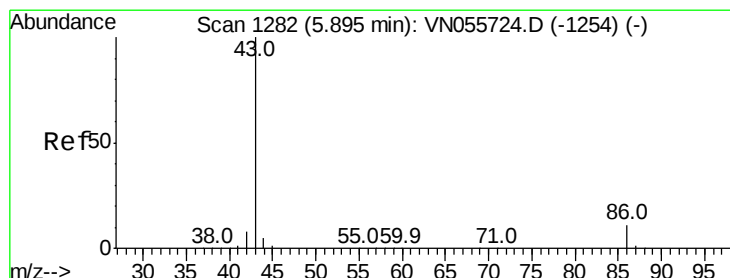
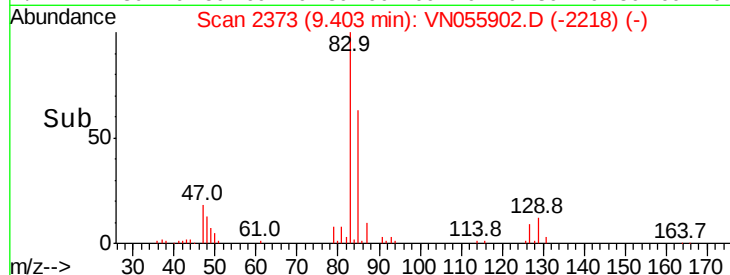
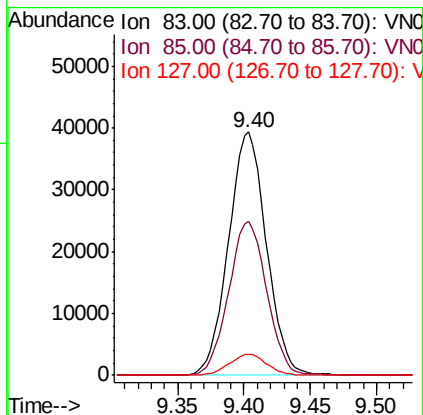
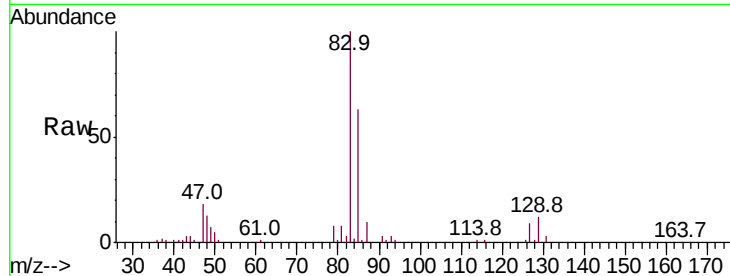
ClientSampleID :

VN0530WBSD02

Tot Ion:	83	Resp:	78304
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.4	77.0
127	8.8	7.7	11.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 96.283 ug/l

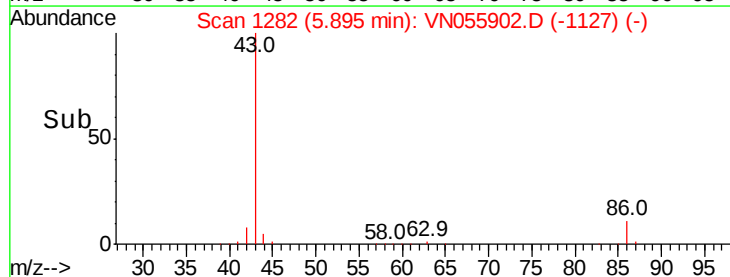
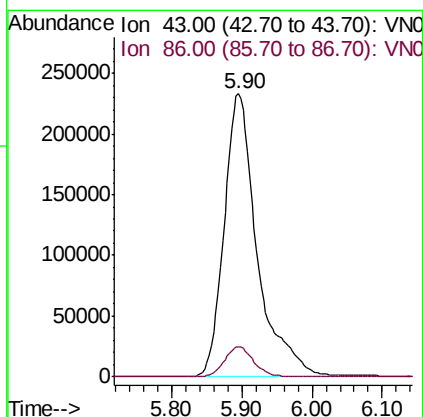
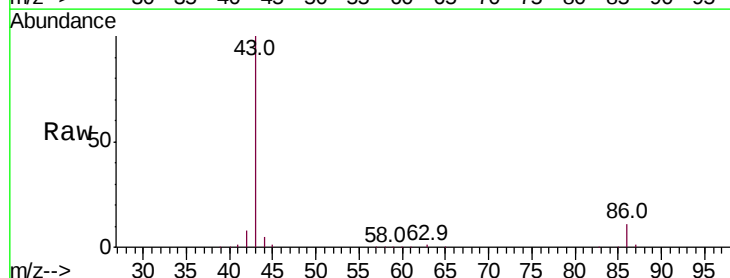
RT: 5.90 min Scan# 1282

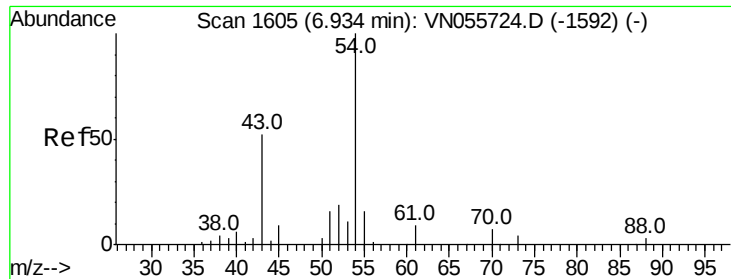
Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion:	43	Resp:	764381
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.4	11.2





#43

Ethyl Acetate

Concen: 20.644 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 43 Resp: 82972

Ion Ratio Lower Upper

43 100

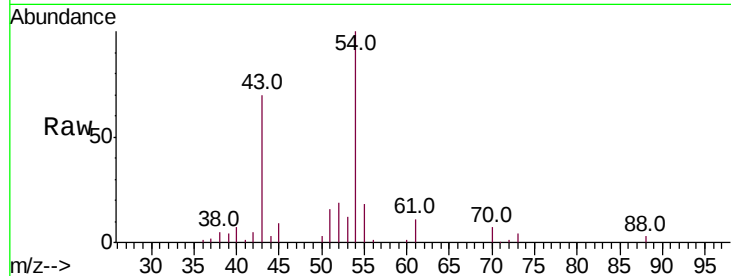
45 12.0 0.0 0.0#

Manual Integrations

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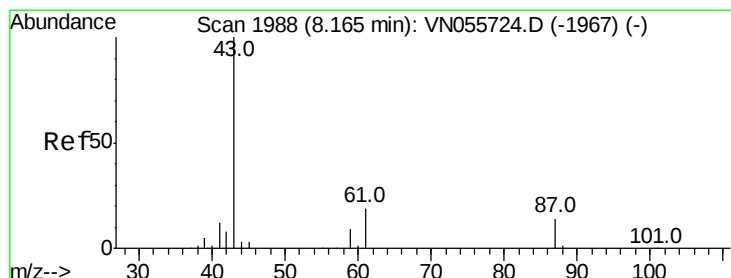
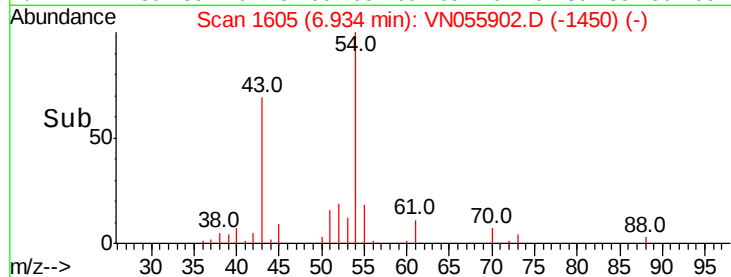
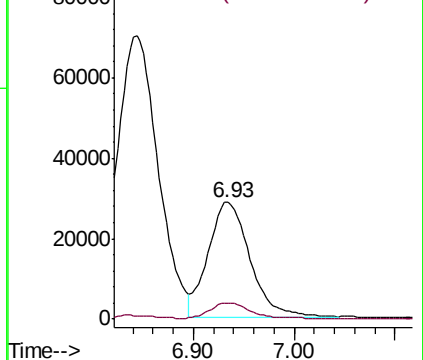
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.012 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055902.D

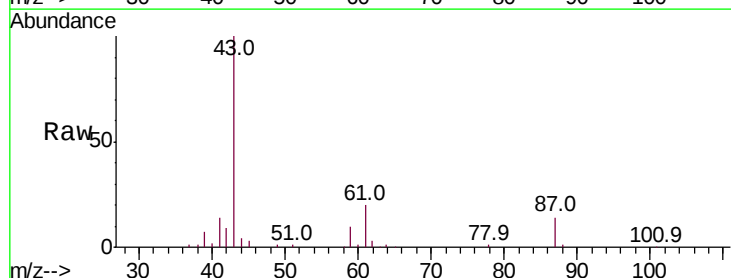
Acq: 30 May 2019 16:12

Tgt Ion: 43 Resp: 126536

Ion Ratio Lower Upper

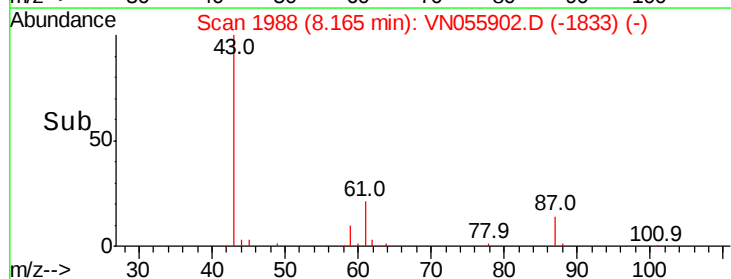
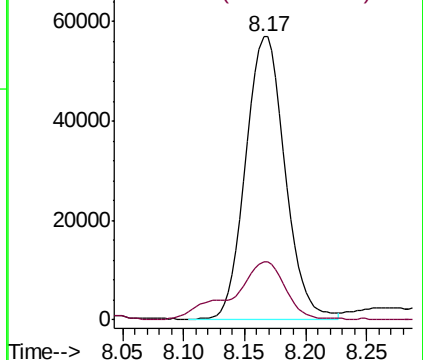
43 100

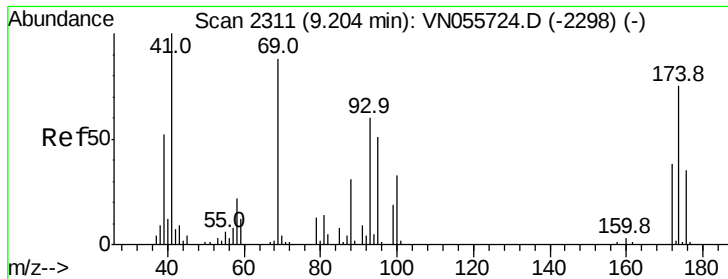
61 20.3 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 423.742 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

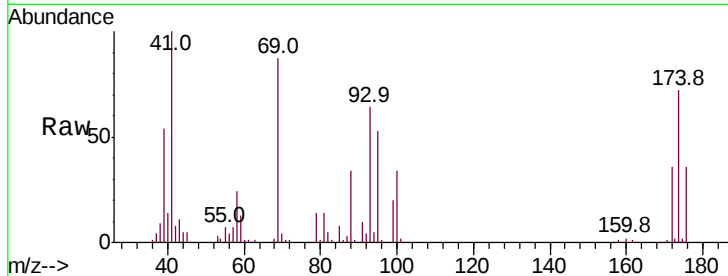
ClientSampleId :

VN0530WBSD02

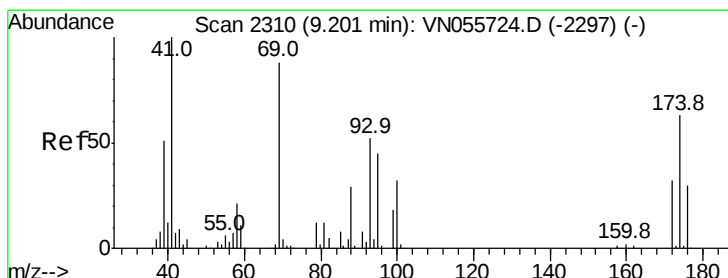
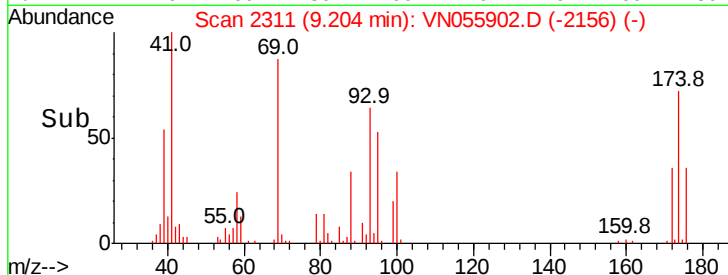
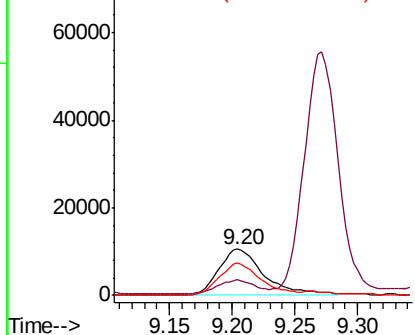
Tot Ion:	88	Resp:	26532
Ion	Ratio	Lower	Upper
88	100		
43	24.5	20.5	30.7
58	63.2	56.1	84.1

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Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 19.386 ug/l

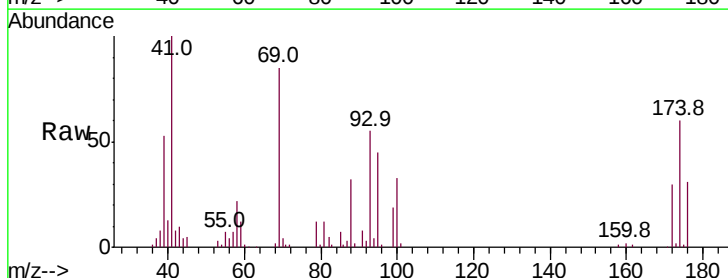
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

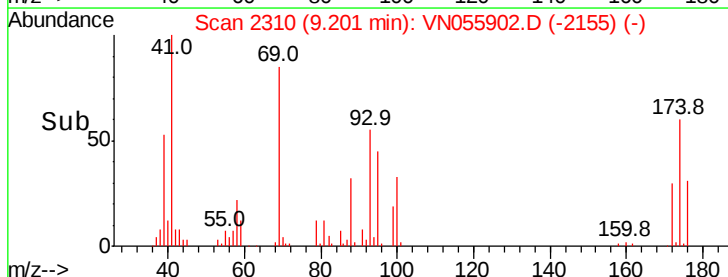
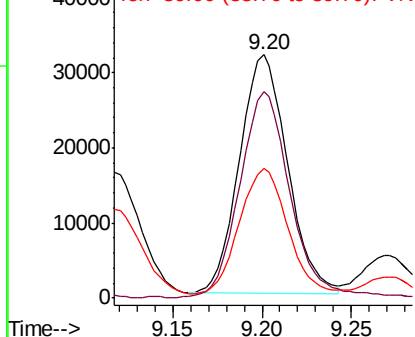
Lab File: VN055902.D

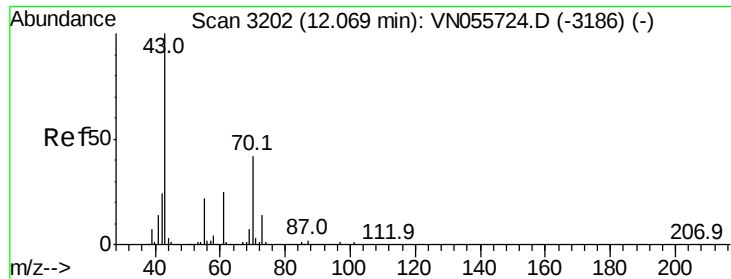
Acq: 30 May 2019 16:12

Tgt Ion:	41	Resp:	60198
Ion	Ratio	Lower	Upper
41	100		
69	86.1	43.8	131.4
39	52.7	25.6	76.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.119 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 43 Resp: 99745

Ion Ratio Lower Upper

43 100

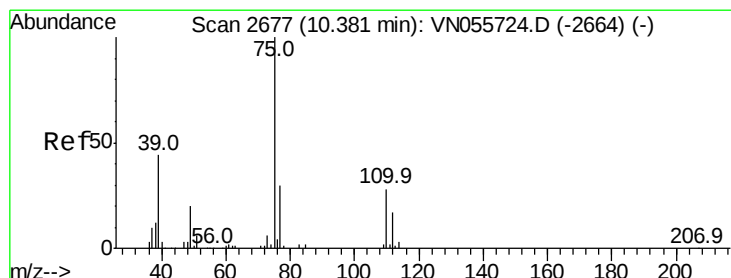
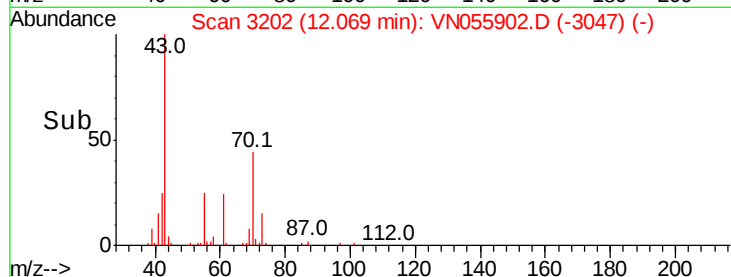
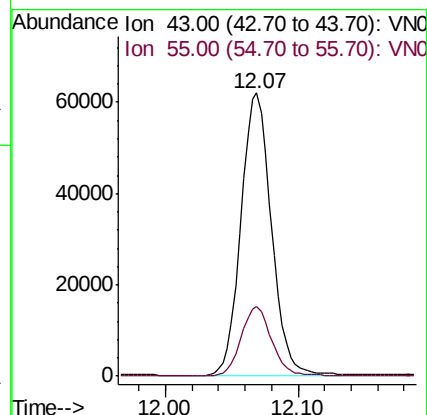
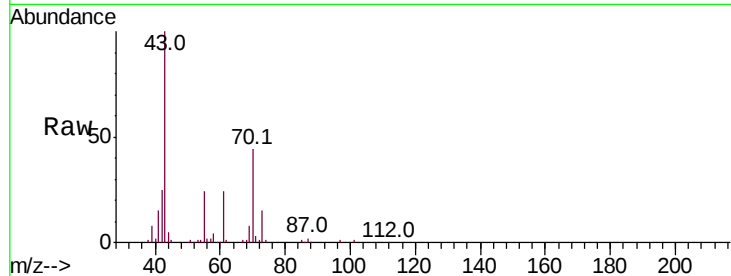
55 24.6 17.8 26.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.388 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055902.D

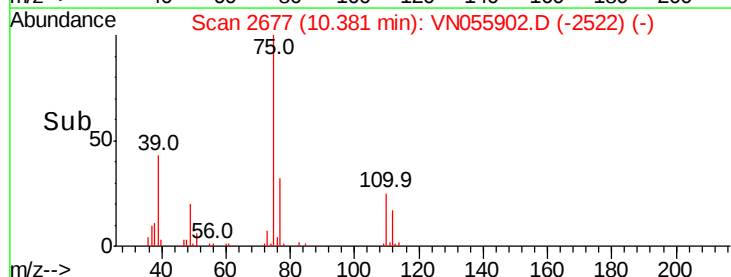
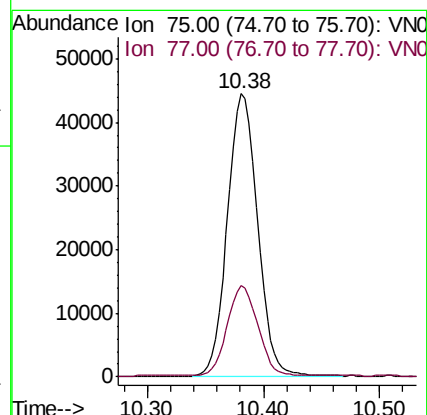
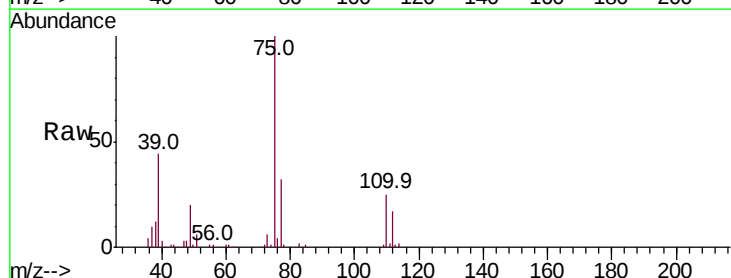
Acq: 30 May 2019 16:12

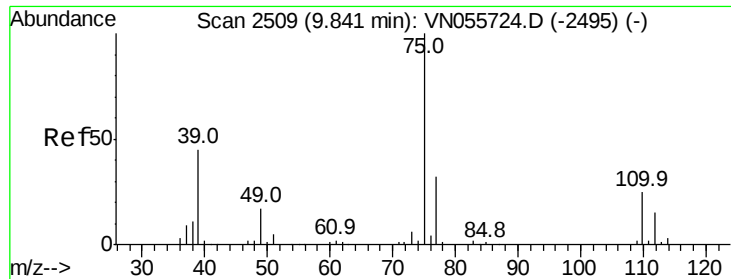
Tgt Ion: 75 Resp: 80878

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8





#49

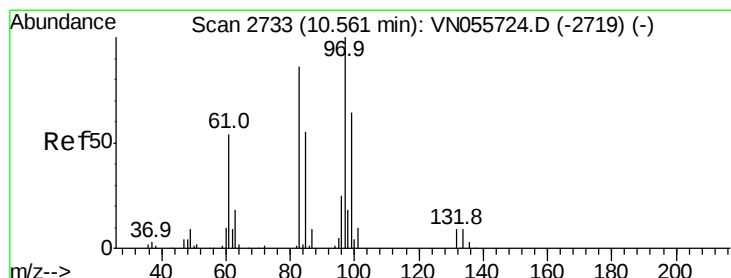
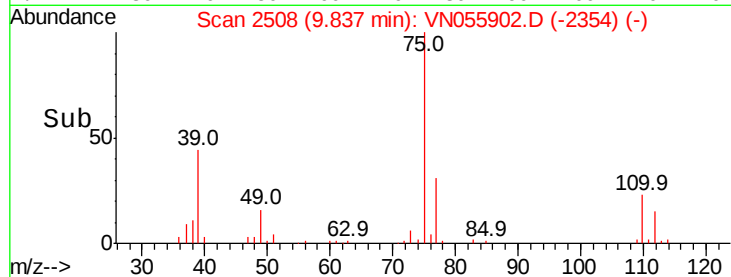
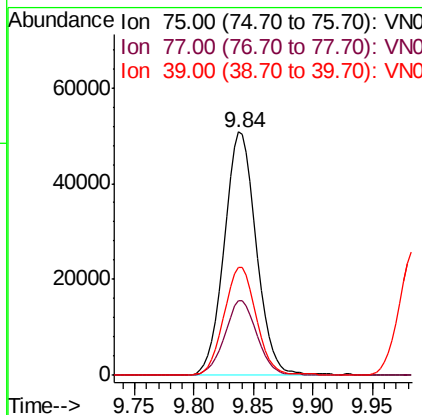
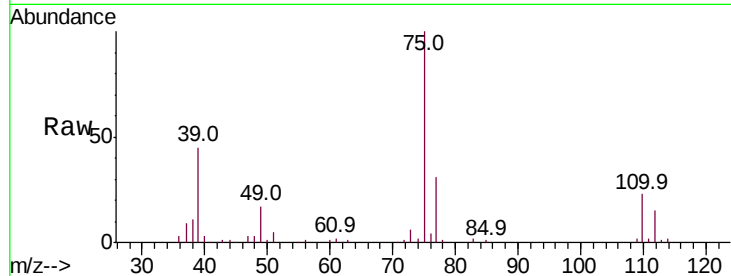
cis-1,3-Dichloropropene
 Concen: 18.618 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.0	39.0
39	44.5	36.2	54.4

Manual Integrations
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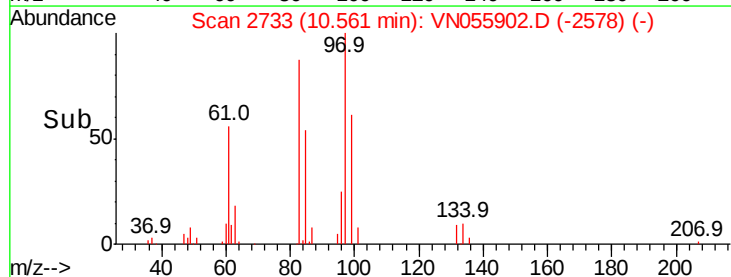
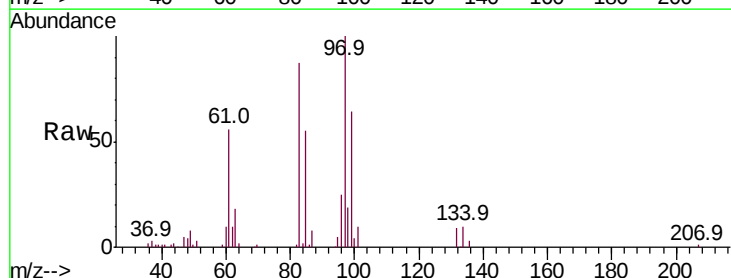
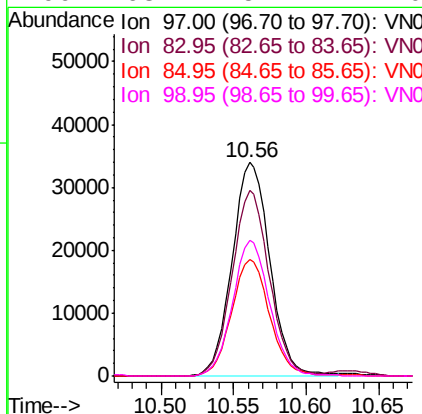
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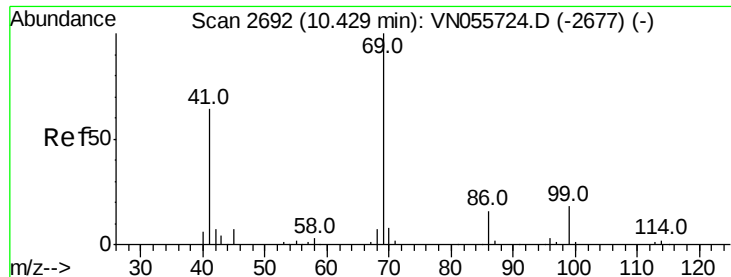


#50

1,1,2-Trichloroethane
 Concen: 20.575 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.9	103.3
85	54.7	44.3	66.5
99	63.7	51.4	77.0





#51

Ethyl methacrylate

Concen: 19.037 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

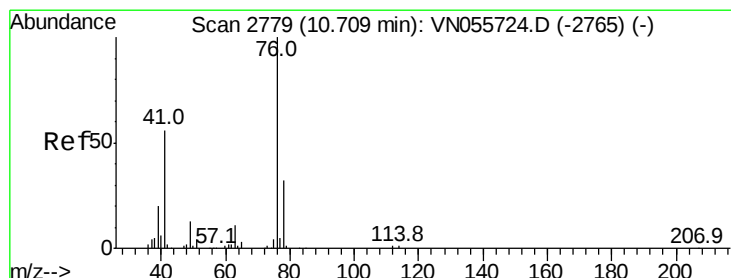
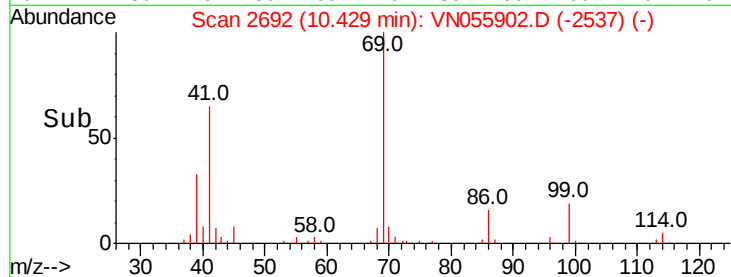
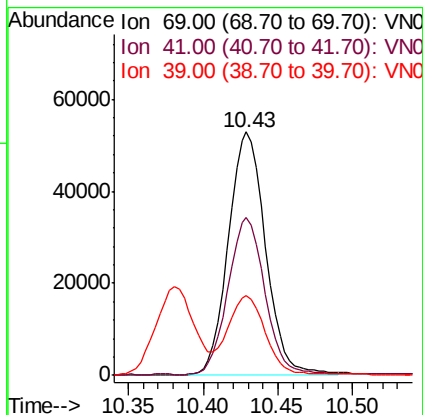
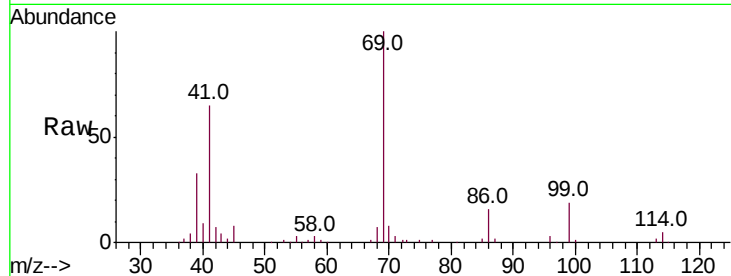
ClientSampleId :

VN0530WBSD02

Tot Ion:	69	Resp:	91841
Ion Ratio	Lower	Upper	
69	100		
41	64.4	31.9	95.7
39	31.9	15.7	47.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.323 ug/l

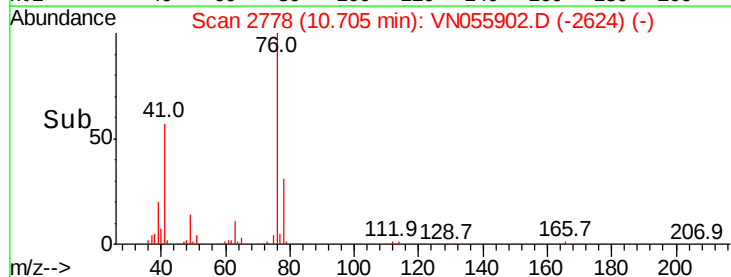
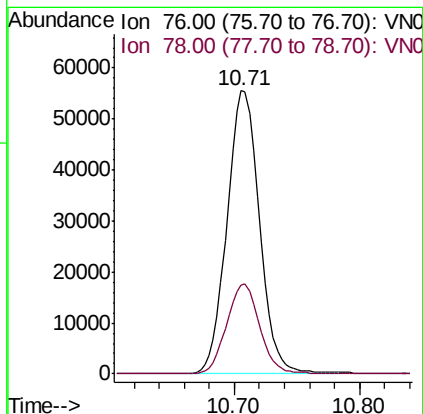
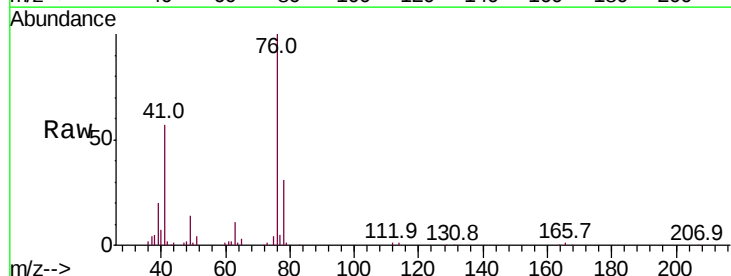
RT: 10.71 min Scan# 2778

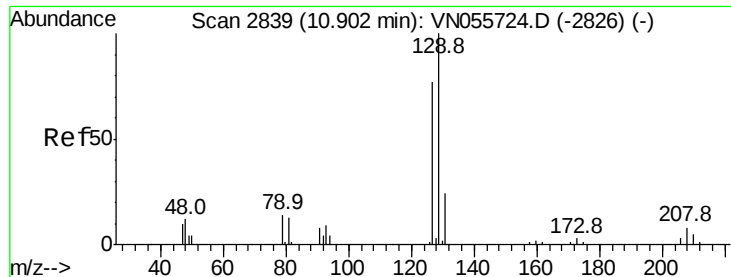
Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion:	76	Resp:	100265
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	65.0





#53

Dibromochloromethane

Concen: 17.133 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion:129 Resp: 60581

Ion Ratio Lower Upper

129 100

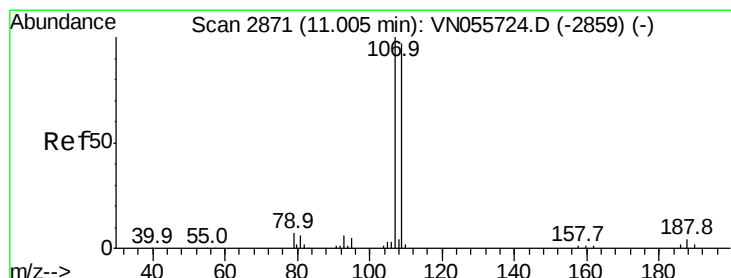
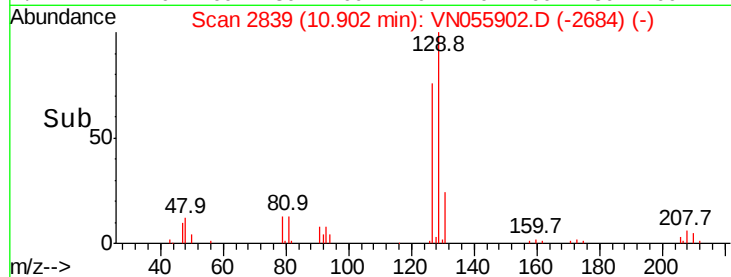
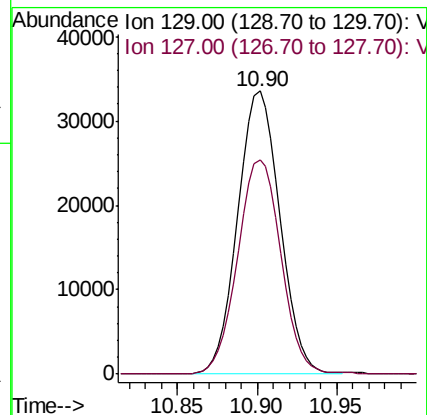
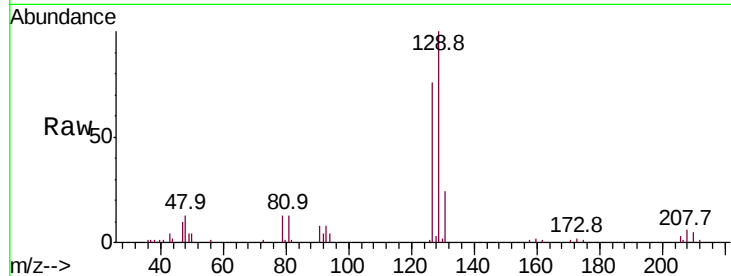
127 77.5 39.2 117.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 20.384 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055902.D

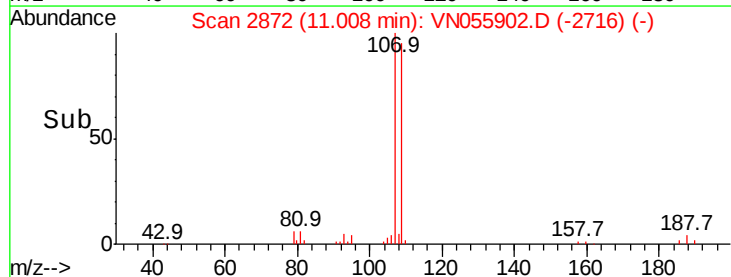
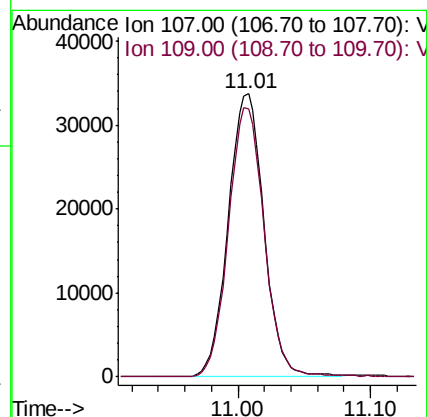
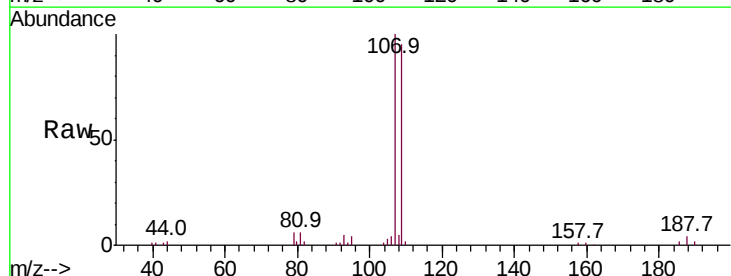
Acq: 30 May 2019 16:12

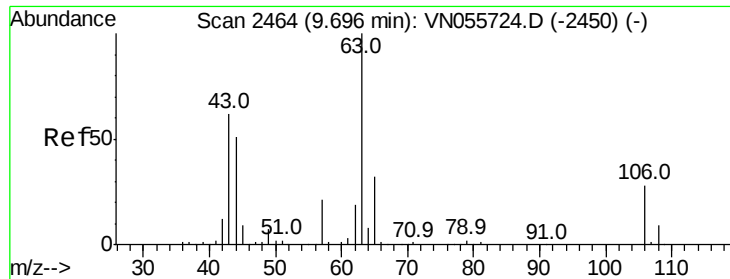
Tgt Ion:107 Resp: 63135

Ion Ratio Lower Upper

107 100

109 94.6 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 90.544 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

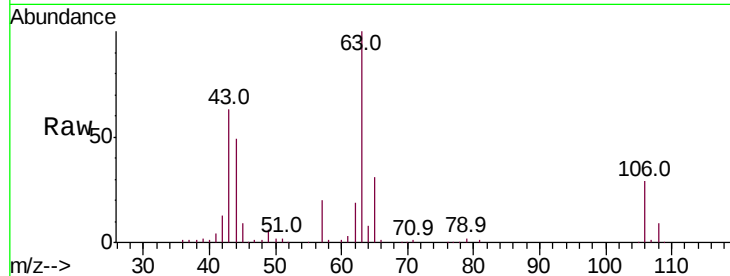
ClientSampleId :

VN0530WBSD02

Tot Ion	63	Resp	169962
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.4	38.0
106	28.3	22.1	33.1

Manual Integrations
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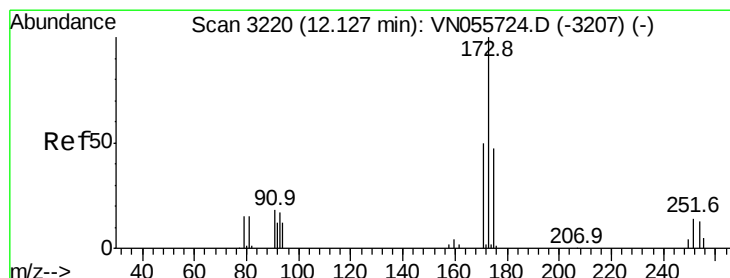
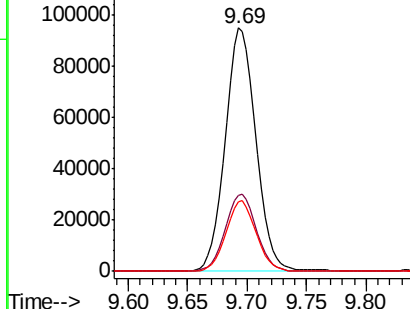
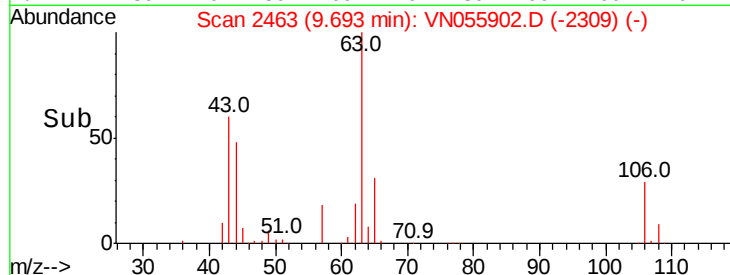


Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN055724.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN055724.D (-2450) (-)

Time-->



#56

Bromoform

Concen: 14.355 ug/l

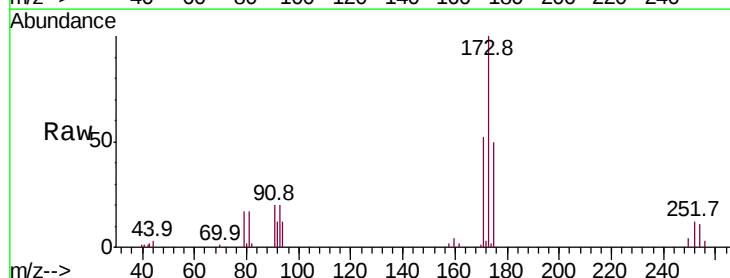
RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion	173	Resp	41635
Ion Ratio	Lower	Upper	
173	100		
175	49.5	38.5	57.7
254	8.9	9.4	14.0#

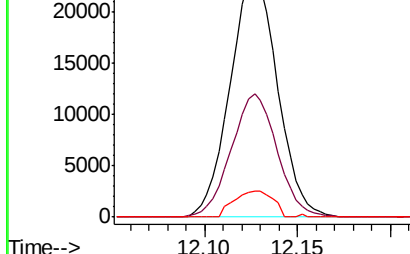
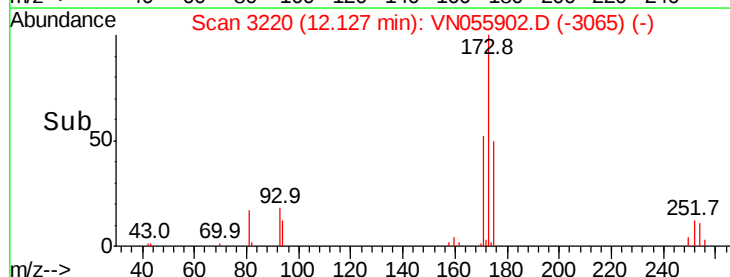


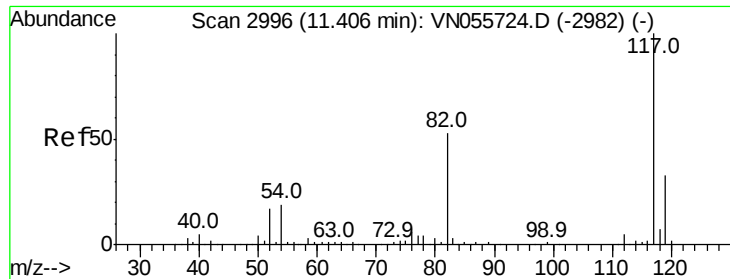
Abundance Ion 173.00 (172.70 to 173.70): VN055724.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN055724.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN055724.D (-3207) (-)

Time-->





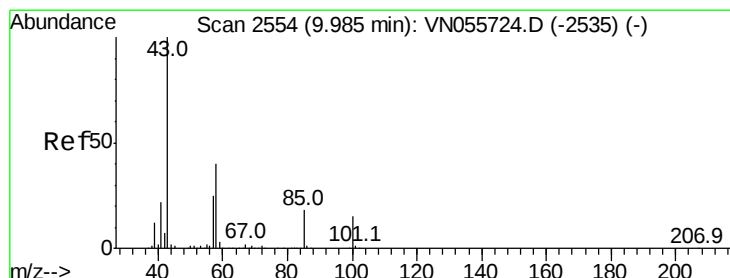
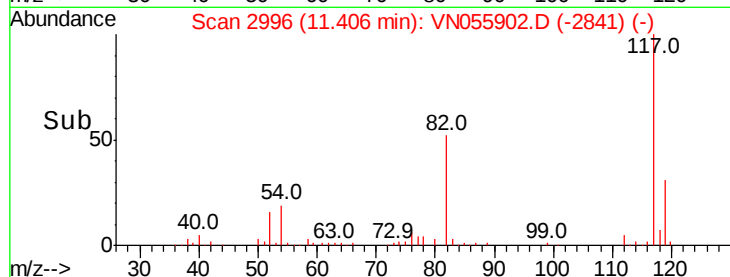
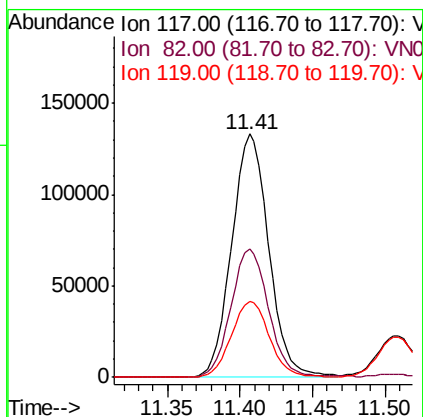
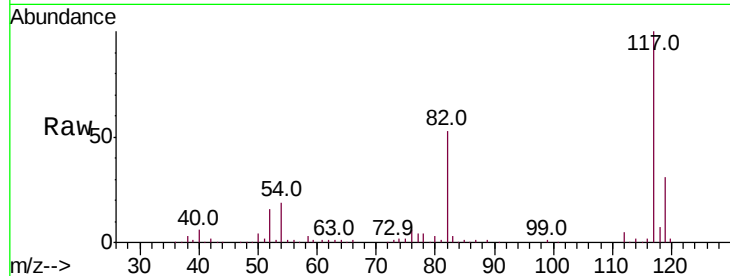
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.0	25.9	38.9

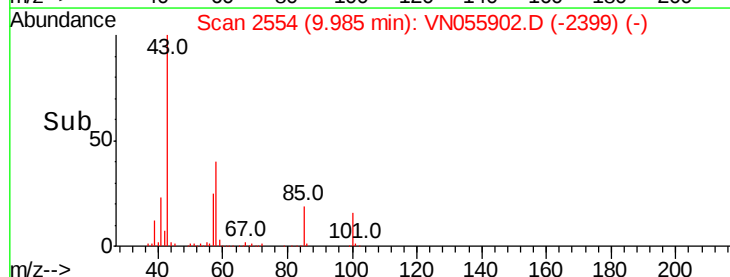
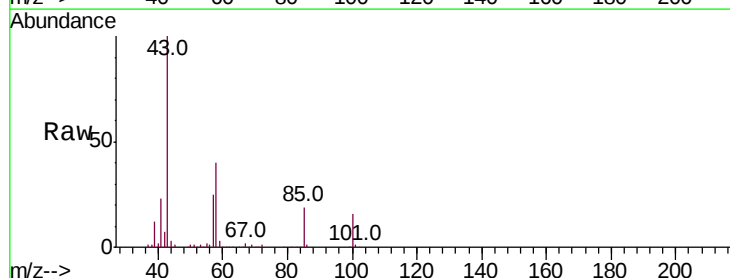
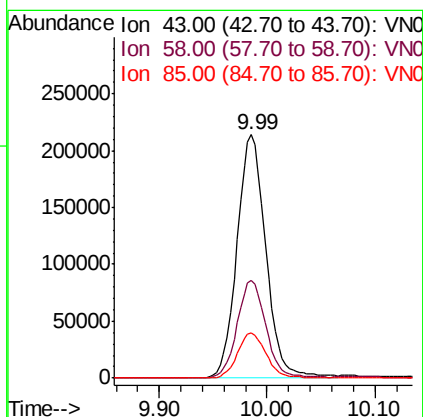
Manual Integrations
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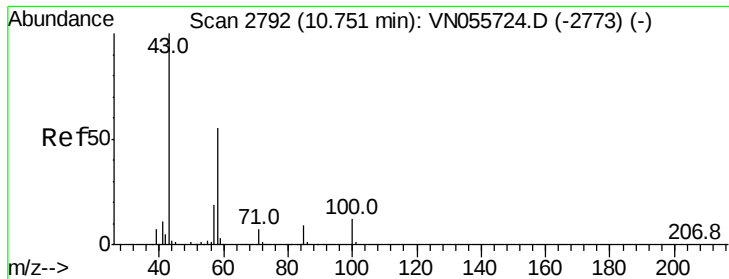
MMDadoda
5/31/2019 9:38:40 AM



#58
4-Methyl-2-Pentanone
Concen: 101.743 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.7	47.5
85	18.6	14.5	21.7





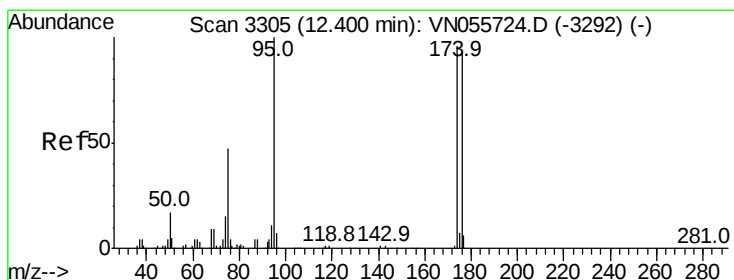
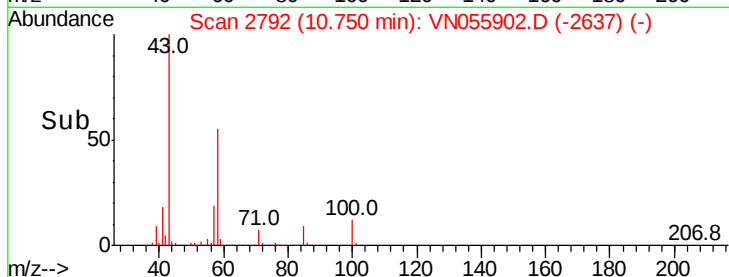
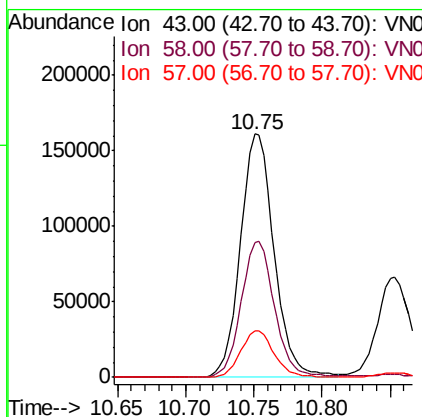
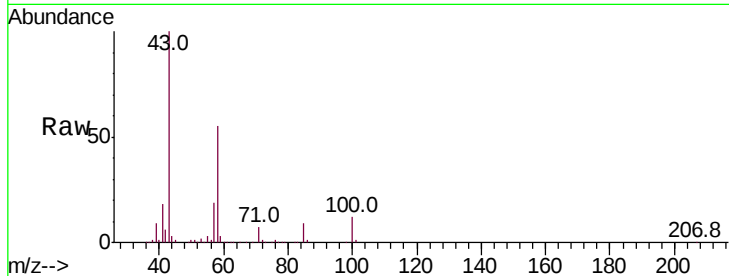
#59
2-Hexanone
Concen: 98.257 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.8	67.2
57	19.3	15.3	22.9

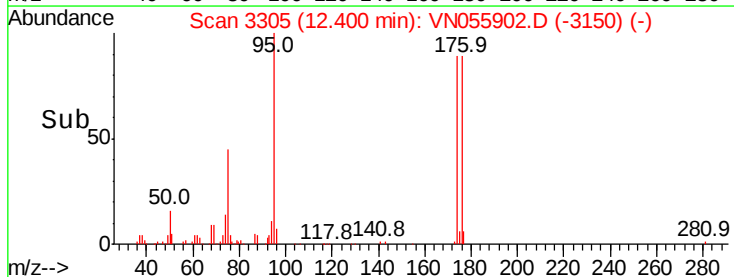
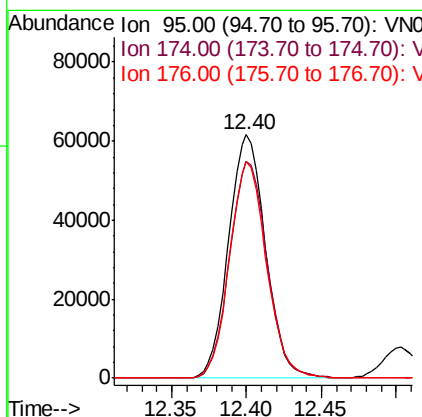
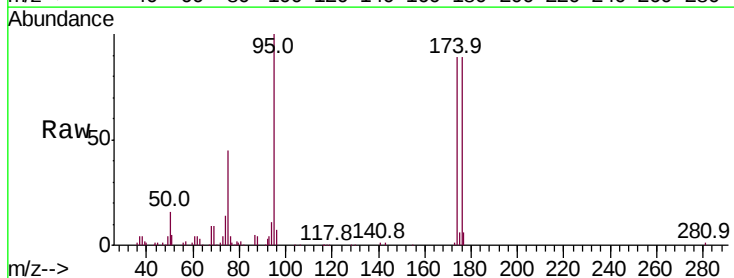
Manual Integrations
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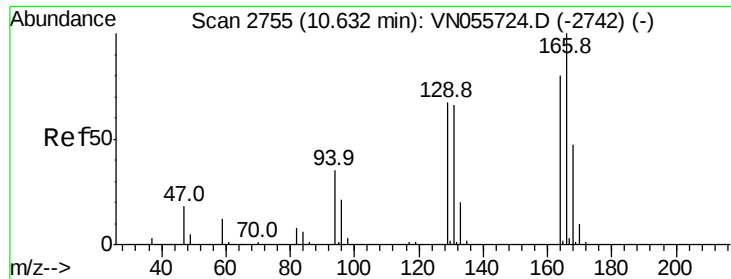
MMDadoda
5/31/2019 9:38:40 AM



#60
4-Bromofluorobenzene
Concen: 28.852 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	75.7	113.5
176	88.7	74.1	111.1





#61

Tetrachloroethene

Concen: 20.414 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion:164 Resp: 65386

Ion Ratio Lower Upper

164 100

166 129.0 100.6 150.8

129 89.4 67.4 101.2

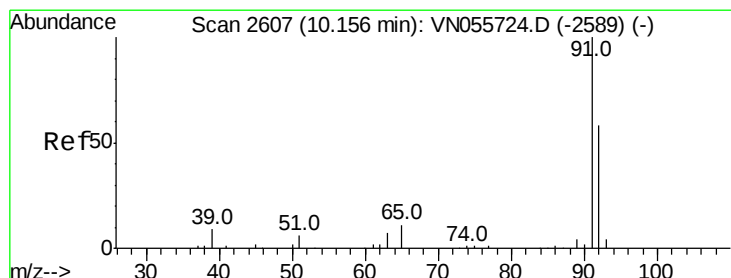
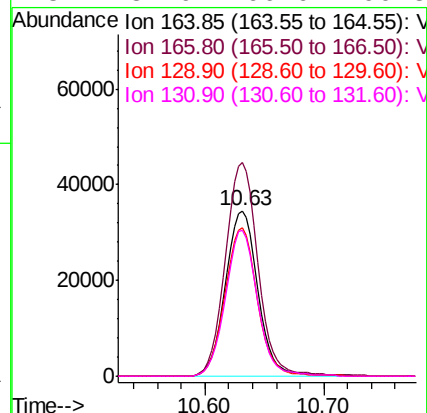
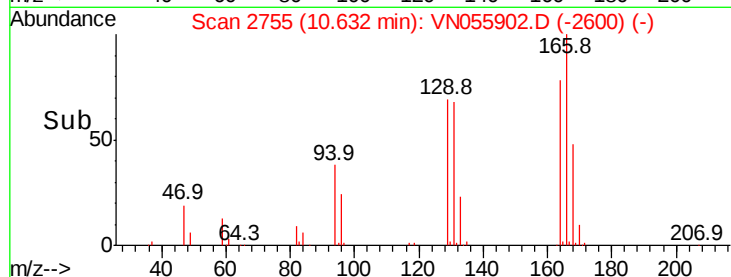
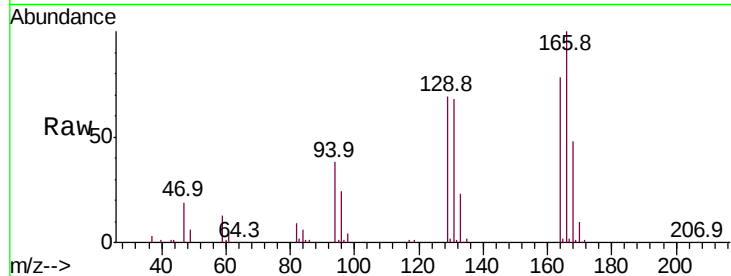
131 87.9 66.6 99.8

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#62

Toluene

Concen: 20.928 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055902.D

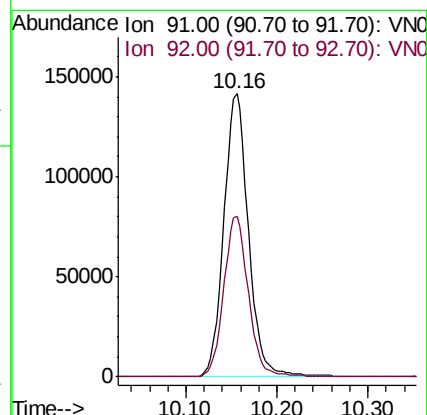
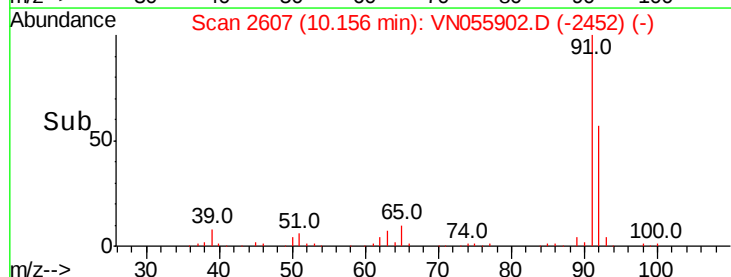
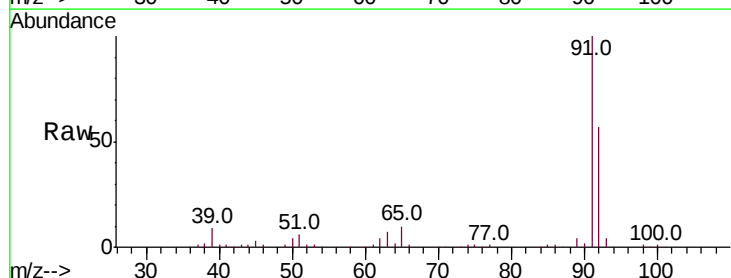
Acq: 30 May 2019 16:12

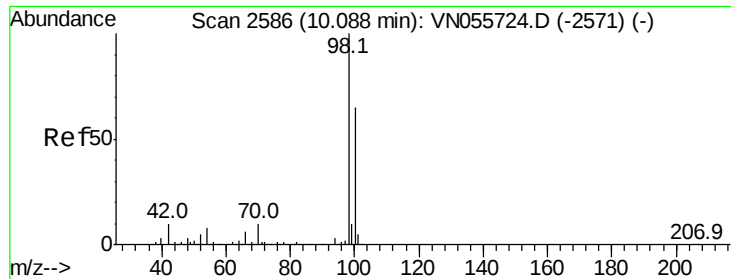
Tgt Ion: 91 Resp: 266274

Ion Ratio Lower Upper

91 100

92 56.7 45.6 68.4





#63

Toluene-d8

Concen: 30.349 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 98 Resp: 328150

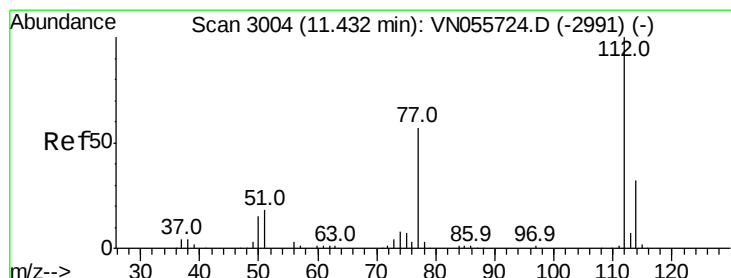
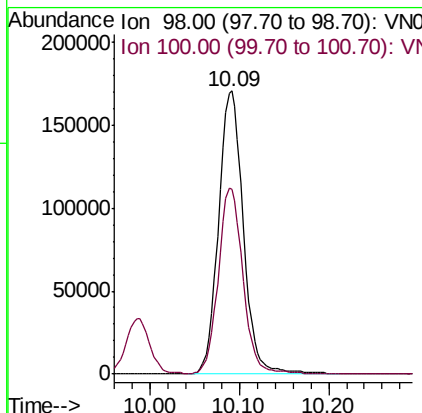
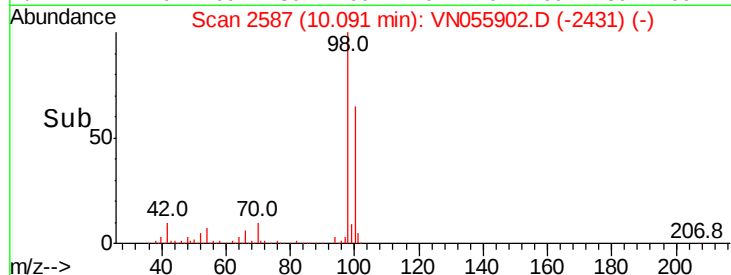
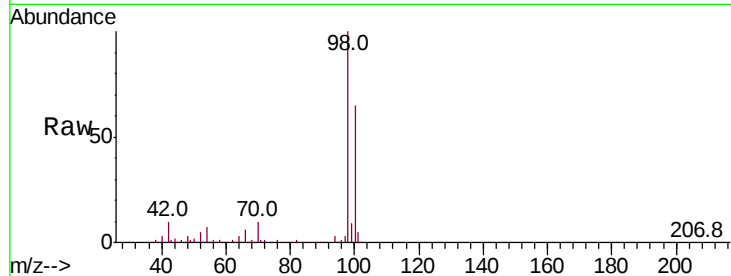
Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4

Manual Integrations
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#64

Chlorobenzene

Concen: 20.568 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055902.D

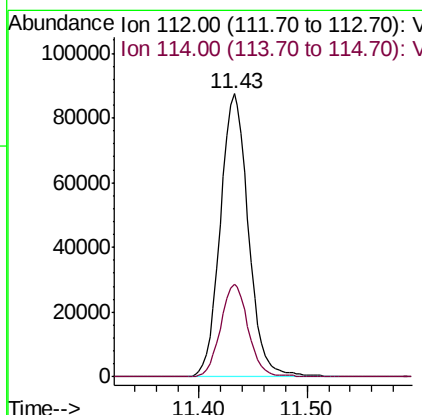
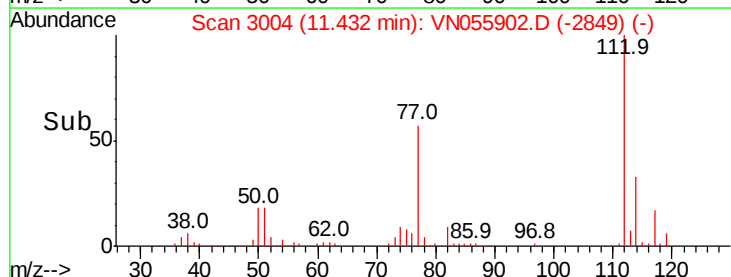
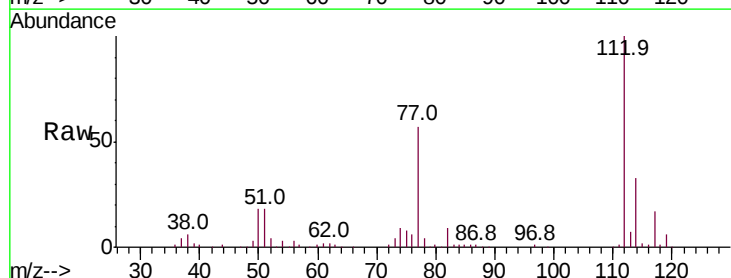
Acq: 30 May 2019 16:12

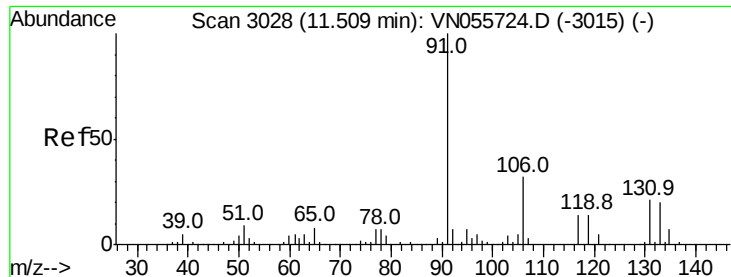
Tgt Ion: 112 Resp: 158753

Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.218 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

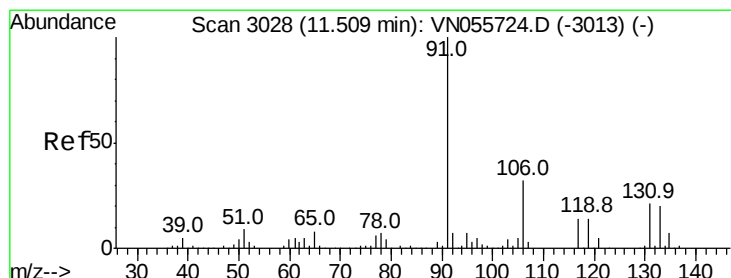
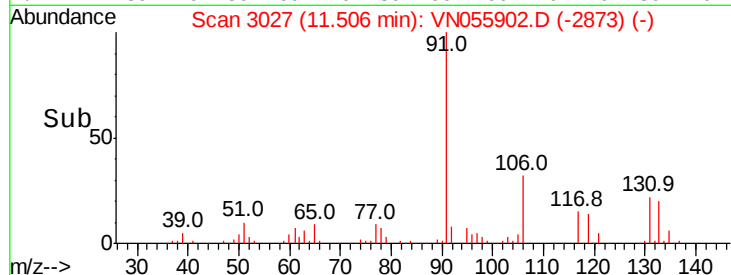
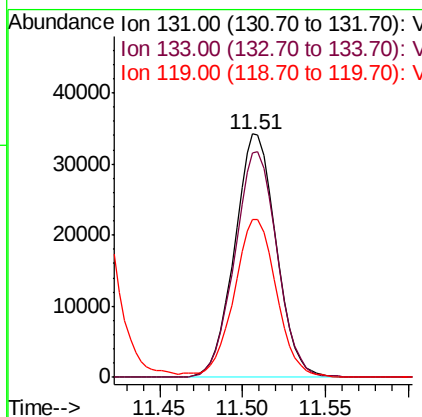
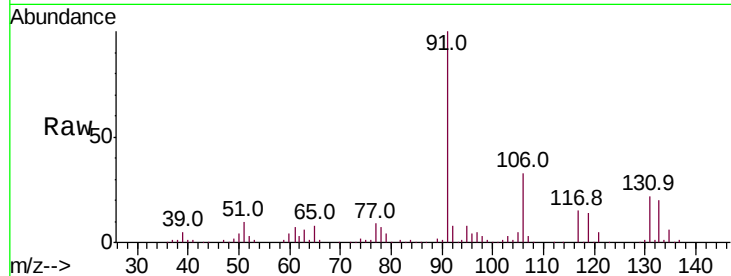
ClientSampleId :

VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	188.8
119	66.0	0.0	133.6

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#66

Ethyl Benzene

Concen: 20.449 ug/l

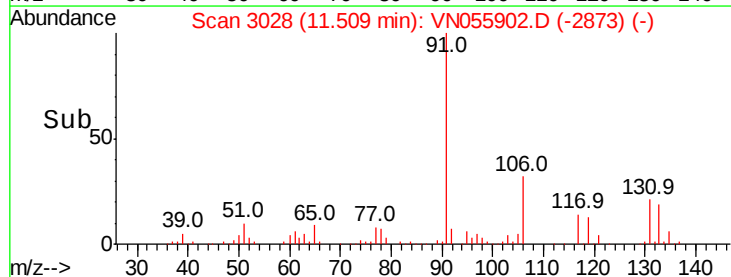
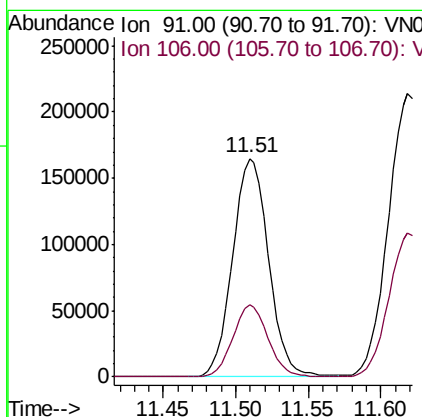
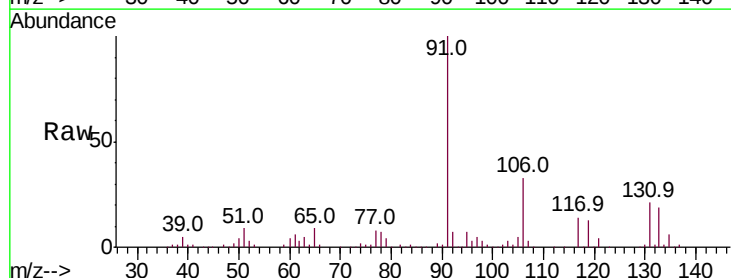
RT: 11.51 min Scan# 3028

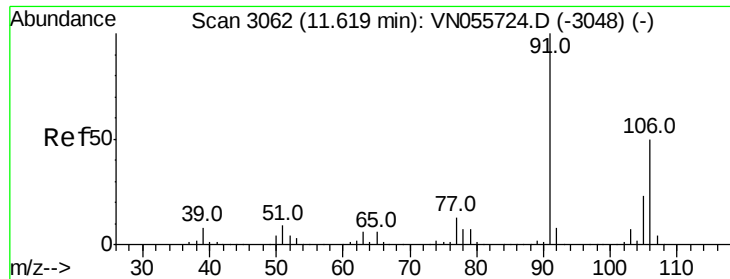
Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.6	38.4





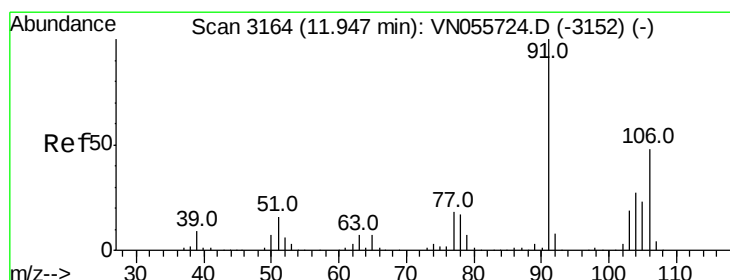
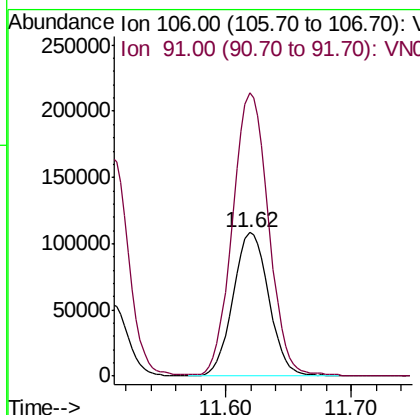
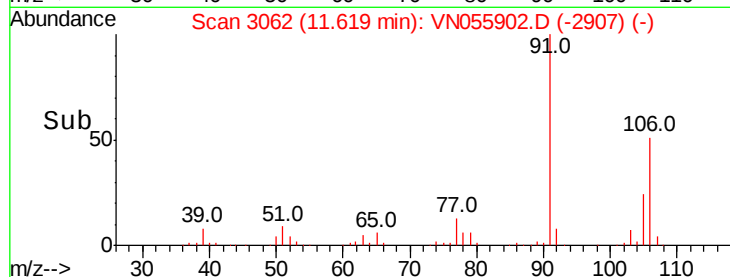
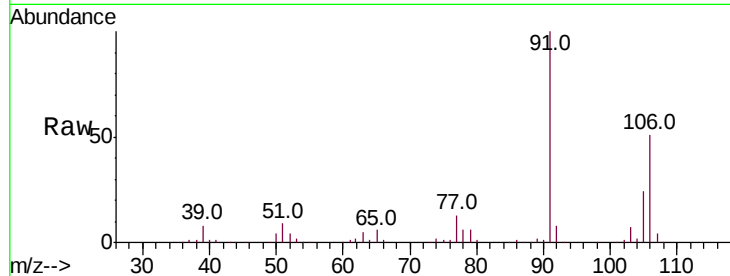
#67
m/p-Xylenes
Concen: 40.491 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion:106 Resp: 213836
Ion Ratio Lower Upper
106 100
91 200.3 159.5 239.3

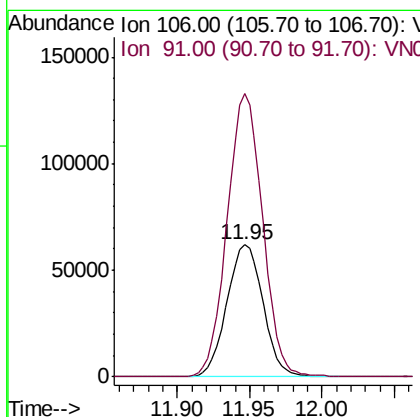
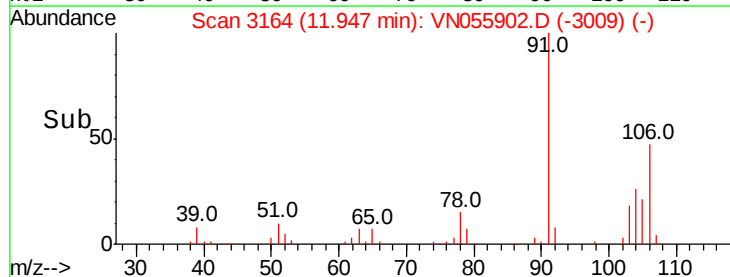
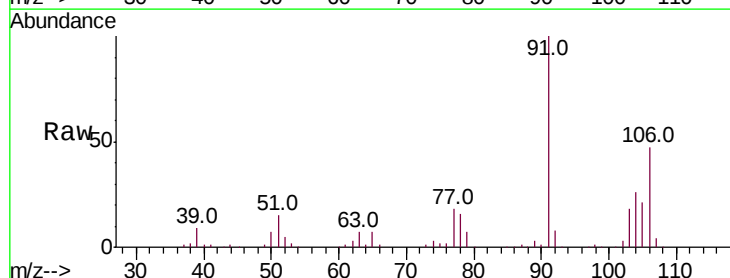
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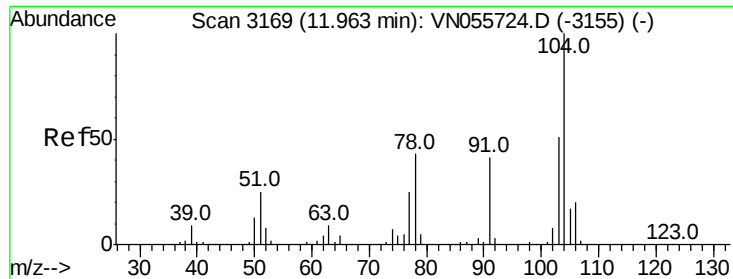
MMDadoda
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#68
o-Xylene
Concen: 20.509 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion:106 Resp: 107181
Ion Ratio Lower Upper
106 100
91 210.5 105.4 316.1





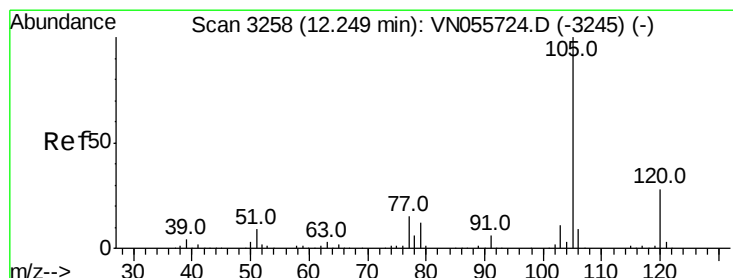
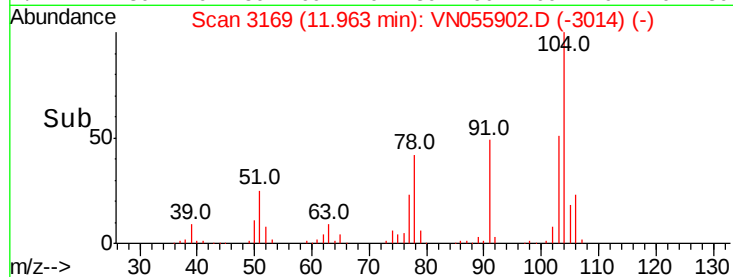
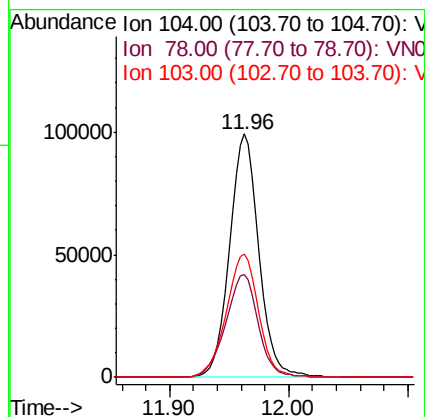
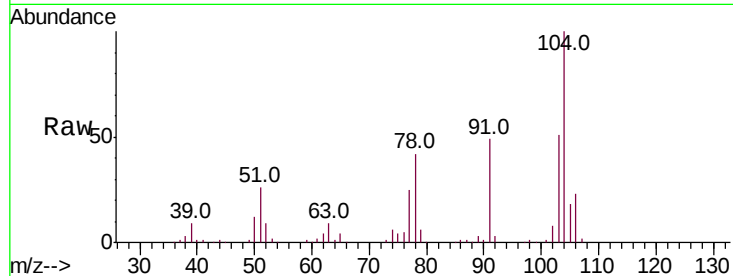
#69
Stvrene
Concen: 19.622 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	38.7	58.1
103	56.1	45.0	67.6

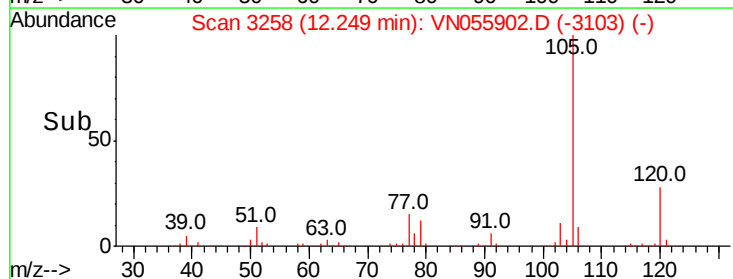
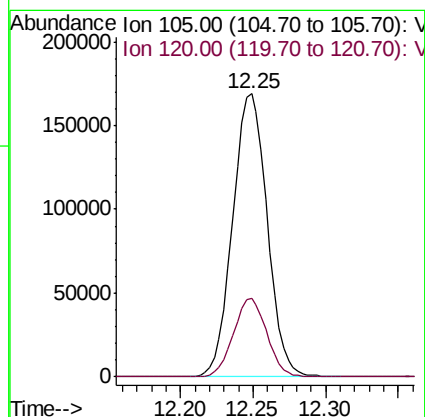
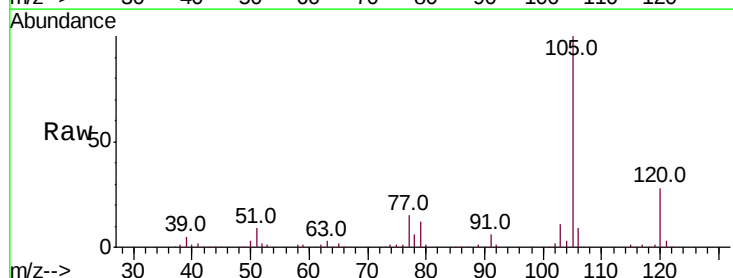
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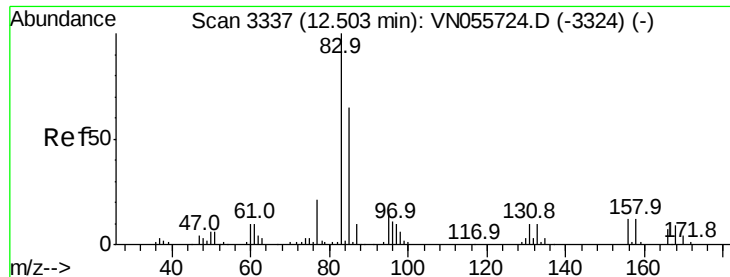
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#70
Isopropylbenzene
Concen: 20.474 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.2	35.6





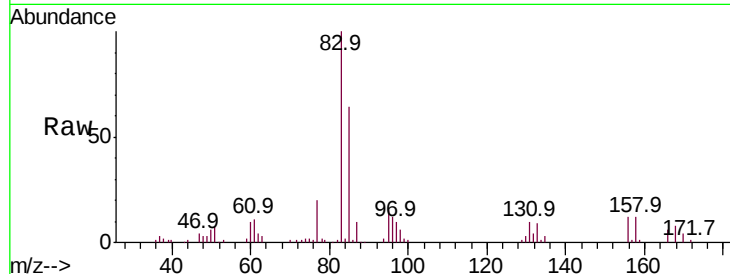
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.404 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

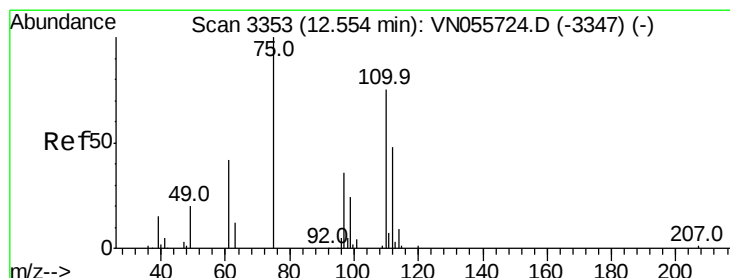
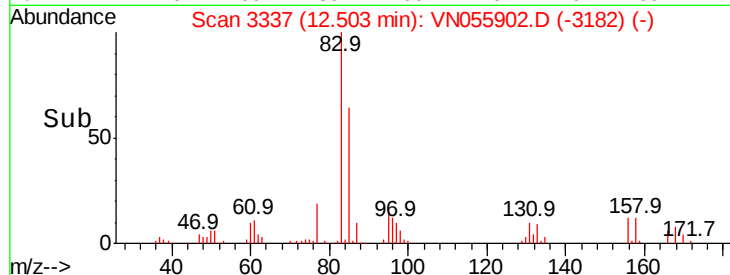
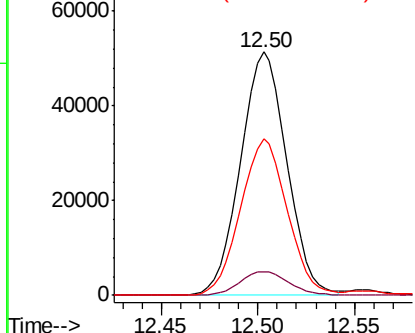
Tot Ion	83	Resp	85861
Ion Ratio	100	Lower	Upper
83	10.3	5.3	15.8
131	64.8	32.3	96.9

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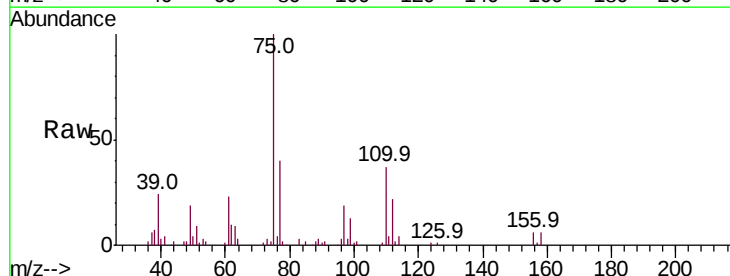


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

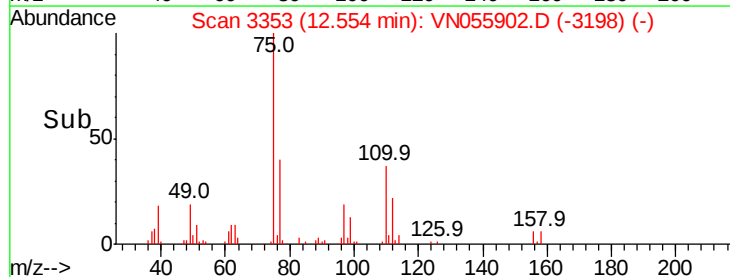
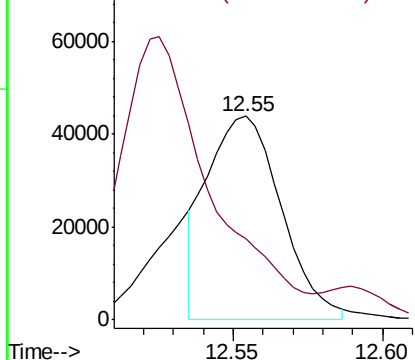


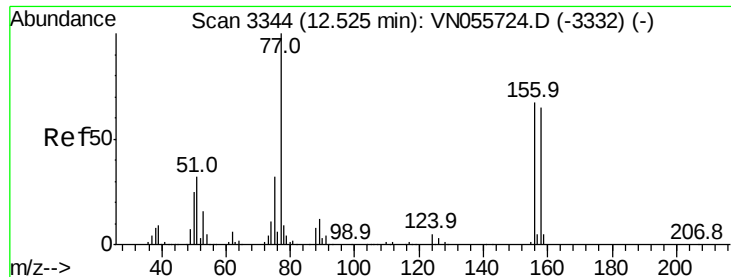
#72
 1,2,3-Trichloropropane
 Concen: 20.945 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	75	Resp	75857
Ion Ratio	100	Lower	Upper
75	172.9	0.0	349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.627 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

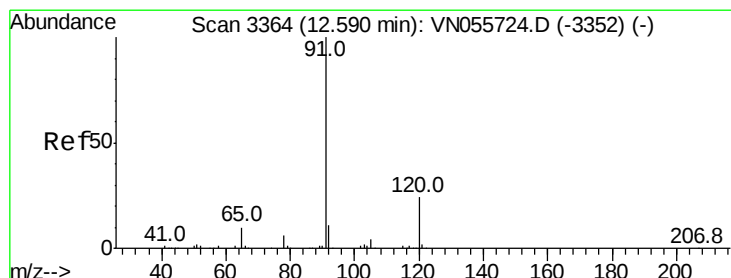
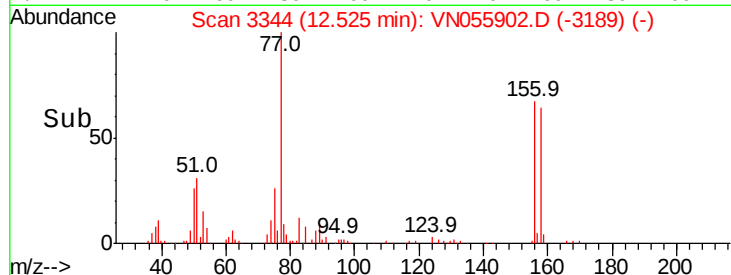
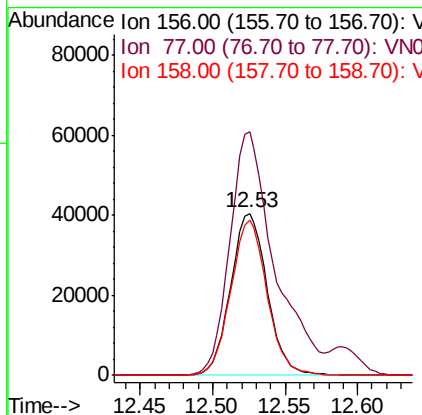
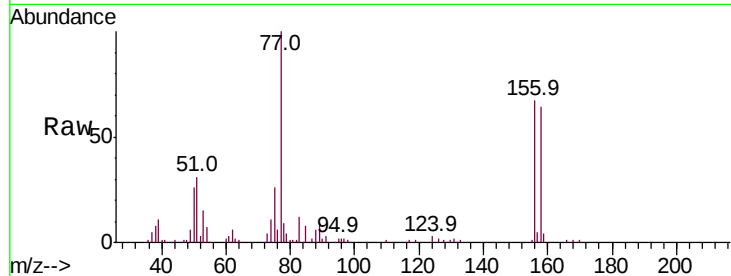
ClientSampleId :

VN0530WBSD02

Tot Ion:	156	Resp:	71000
Ion	Ratio	Lower	Upper
156	100		
77	184.7	0.0	368.0
158	95.2	0.0	195.0

Manual Integrations
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#74

n-propylbenzene

Concen: 19.958 ug/l

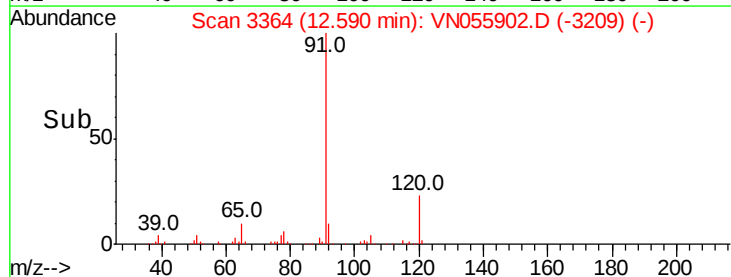
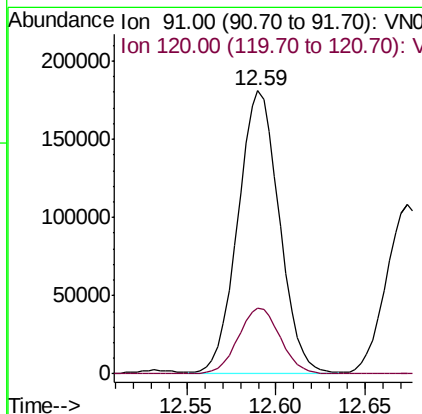
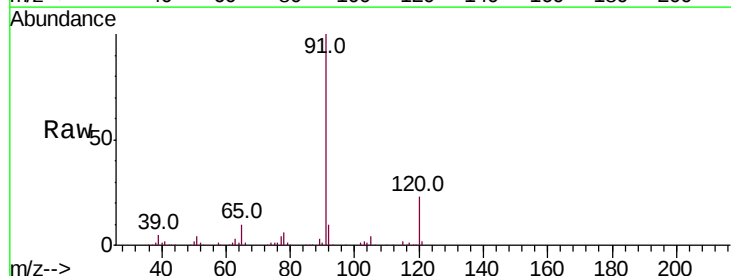
RT: 12.59 min Scan# 3364

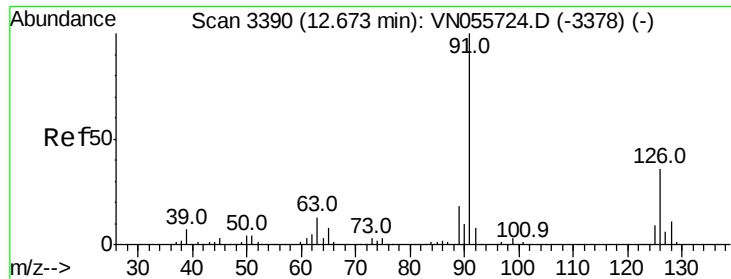
Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion:	91	Resp:	294321
Ion	Ratio	Lower	Upper
91	100		
120	23.6	0.0	47.4





#75

2-Chlorotoluene

Concen: 20.215 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD02

Tot Ion: 91 Resp: 182100

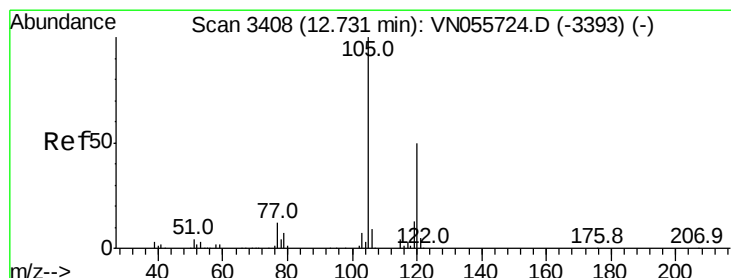
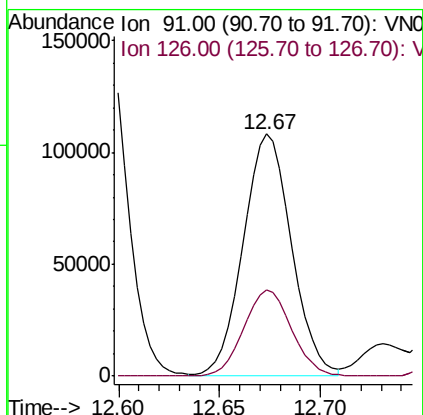
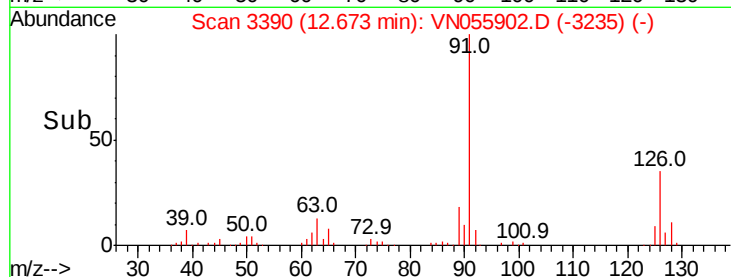
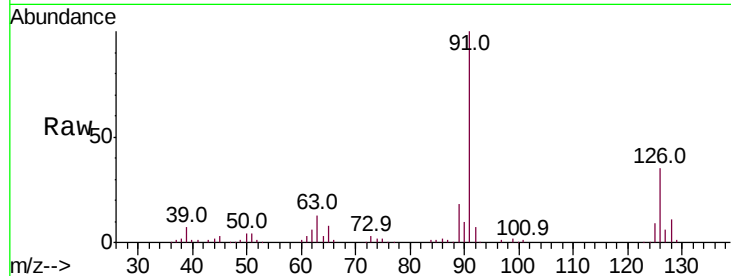
Ion Ratio Lower Upper

91 100

126 35.4 0.0 71.0

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#76

1,3,5-Trimethylbenzene

Concen: 20.199 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055902.D

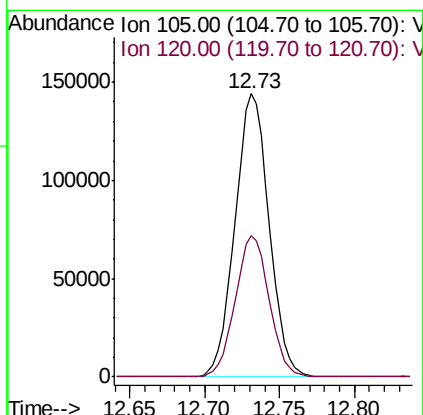
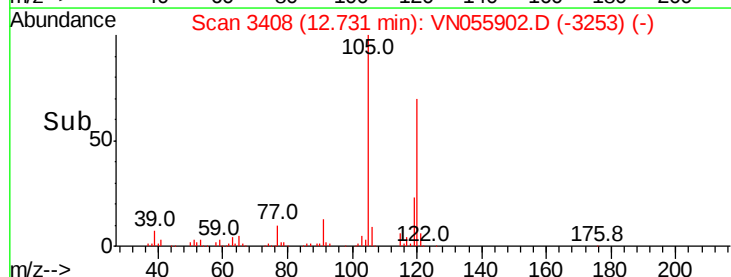
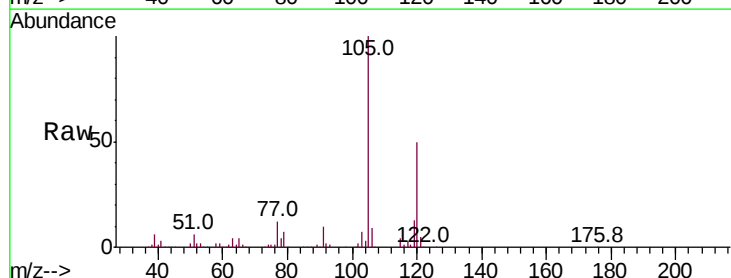
Acq: 30 May 2019 16:12

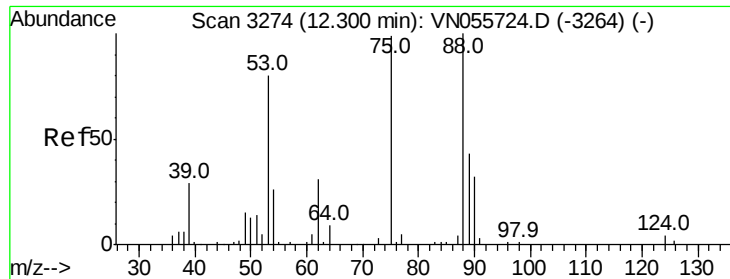
Tgt Ion: 105 Resp: 228295

Ion Ratio Lower Upper

105 100

120 49.7 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 14.262 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

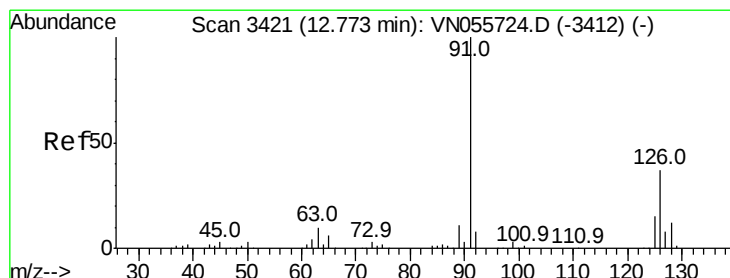
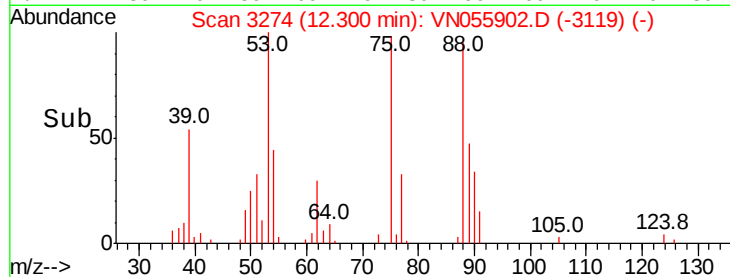
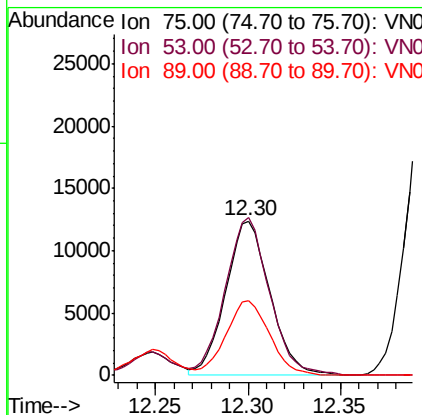
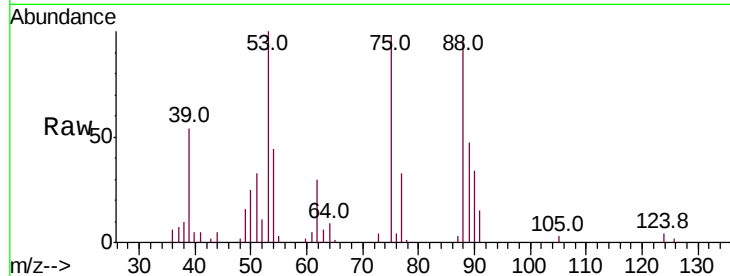
ClientSampleId :

VN0530WBSD02

Tot Ion:	75	Resp:	20517
Ion Ratio	Lower	Upper	
75	100		
53	100.6	40.1	120.3
89	48.2	22.6	67.8

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#78

4-Chlorotoluene

Concen: 19.427 ug/l

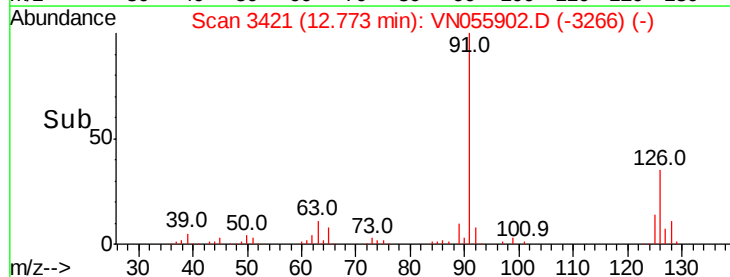
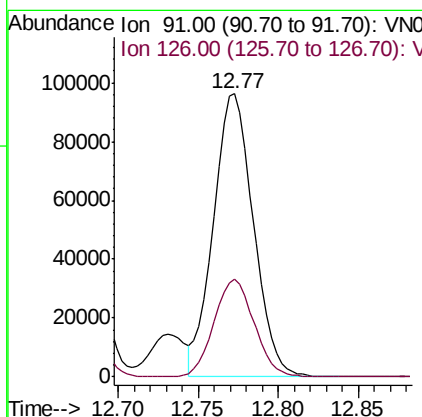
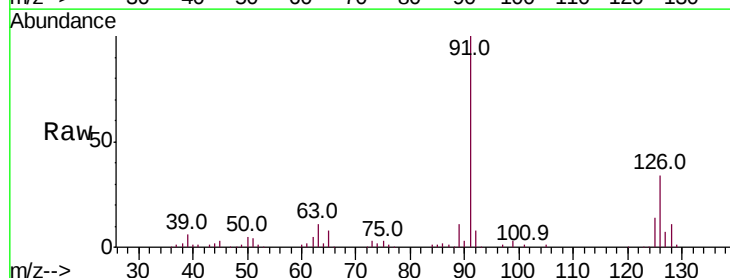
RT: 12.77 min Scan# 3421

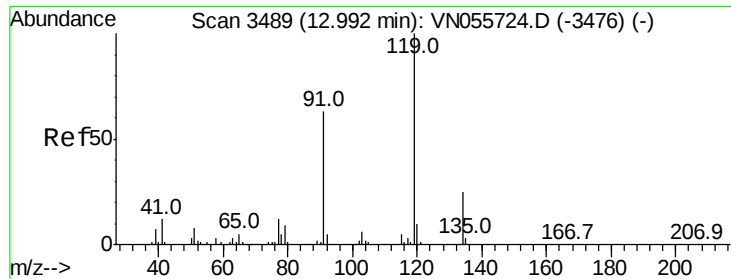
Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion:	91	Resp:	165863
Ion Ratio	Lower	Upper	
91	100		
126	34.6	0.0	69.0





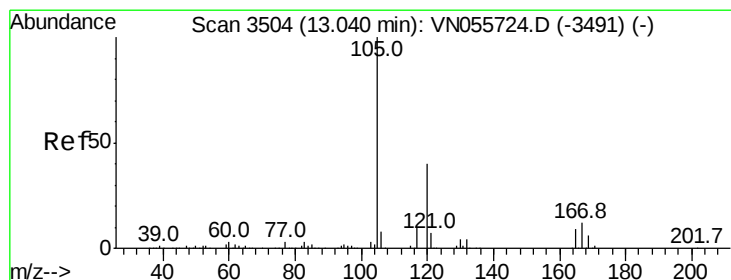
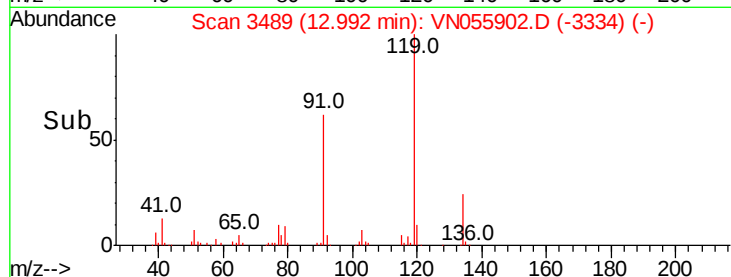
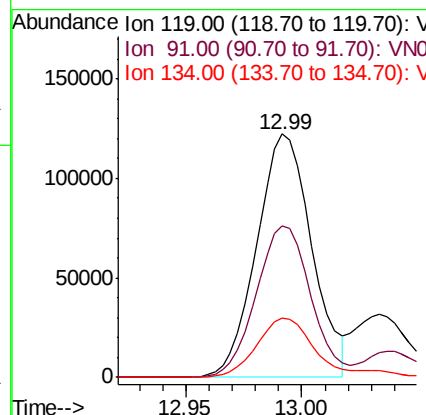
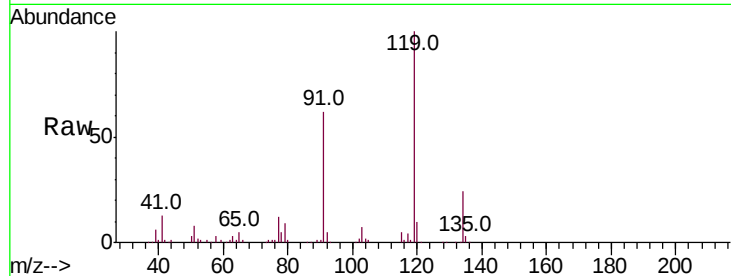
#79
tert-butylbenzene
Concen: 20.390 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202601		
91	61.8	0.0	123.8	
134	24.9	0.0	52.6	

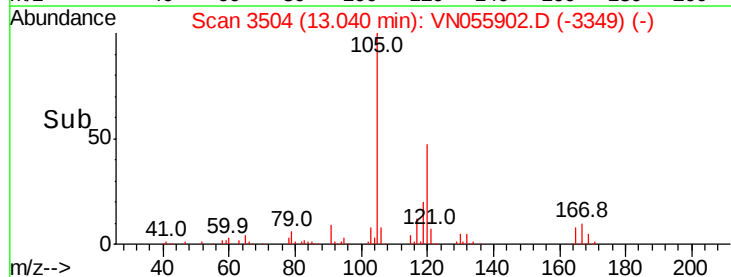
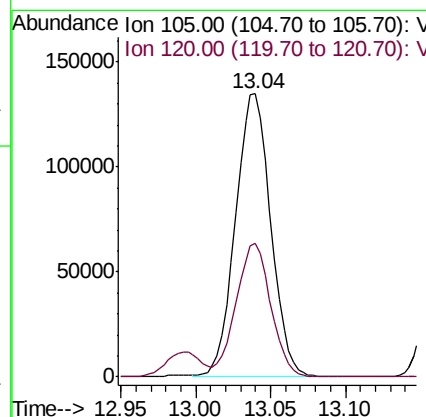
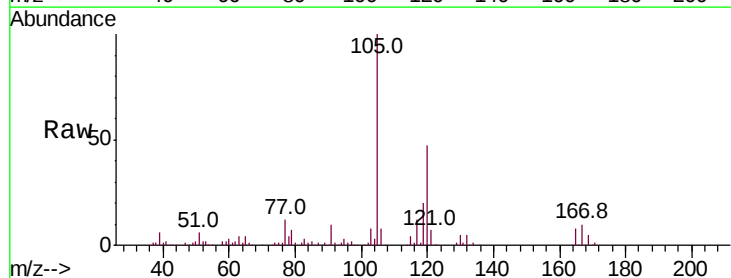
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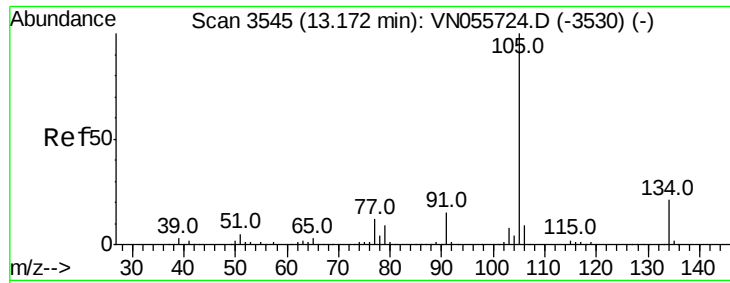
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.768 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221799		
120	46.3	0.0	93.6	





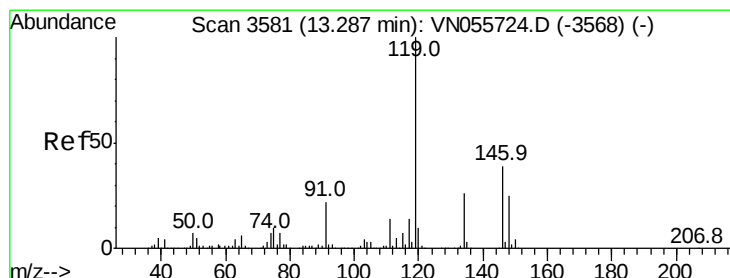
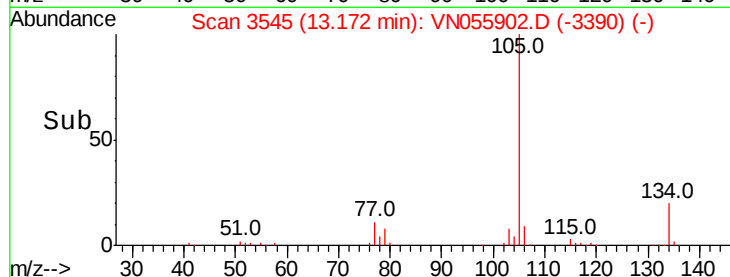
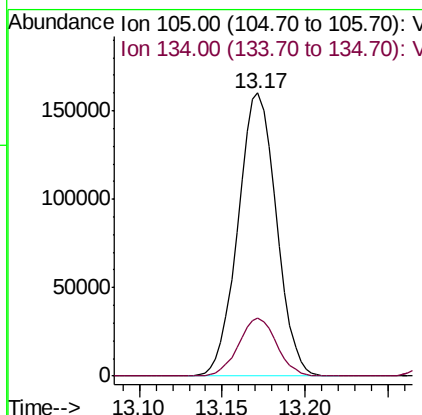
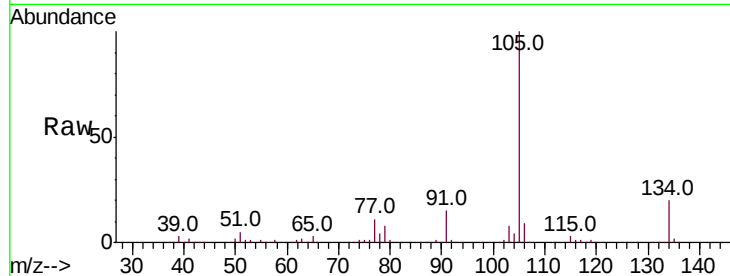
#81
 sec-Butylbenzene
 Concen: 20.427 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	41.4

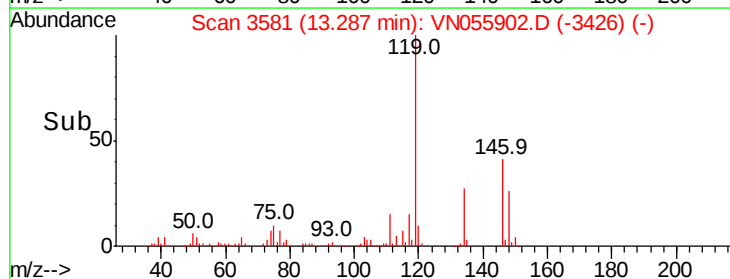
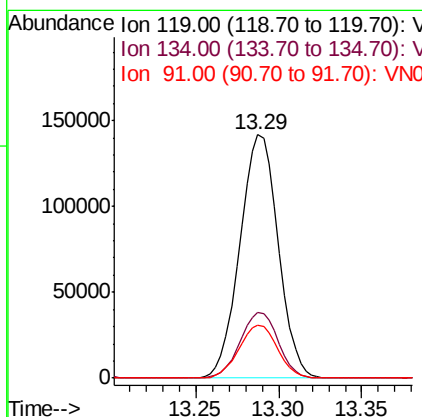
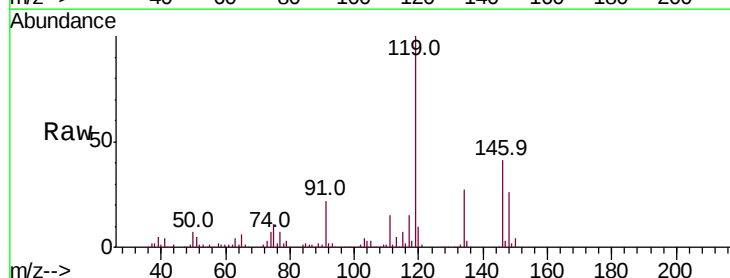
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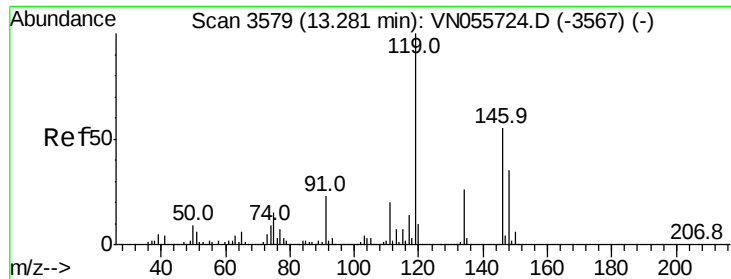
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#82
 p-Isopropyltoluene
 Concen: 19.582 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	52.0
91	21.8	0.0	44.4





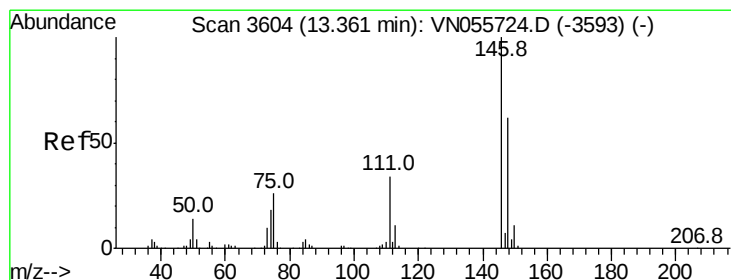
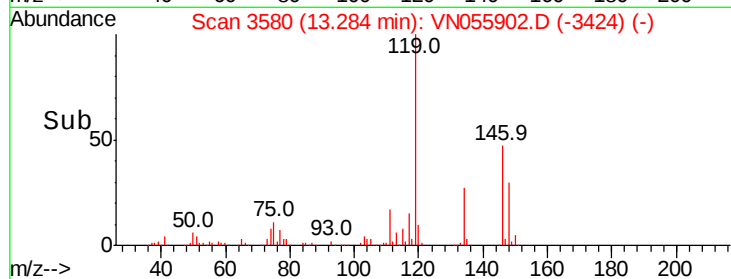
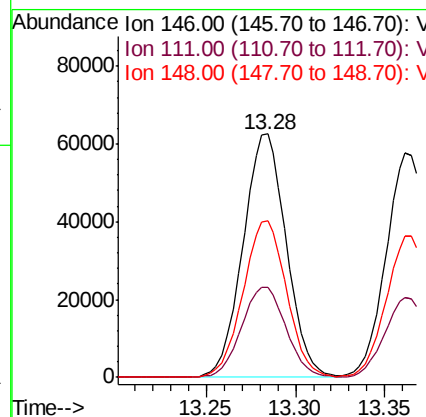
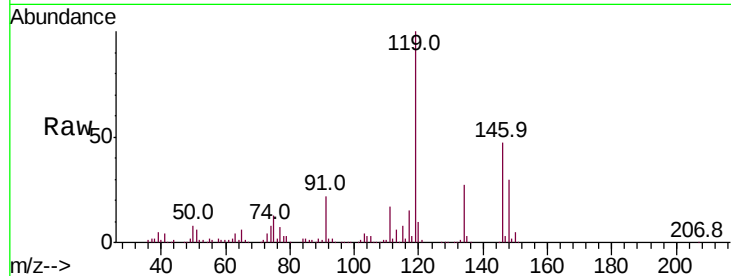
#83
 1,3-Dichlorobenzene
 Concen: 18.691 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.6
148	64.4	32.2	96.6

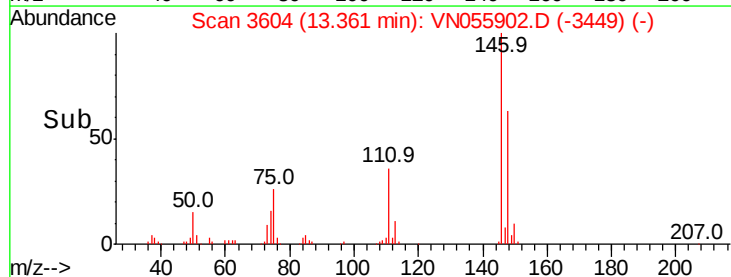
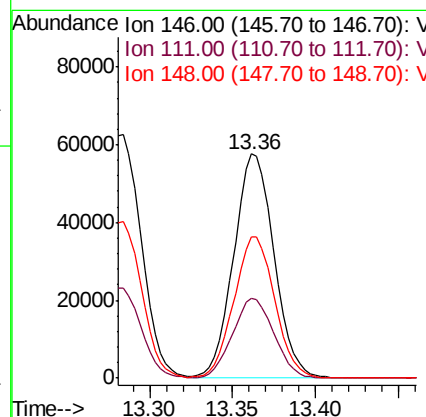
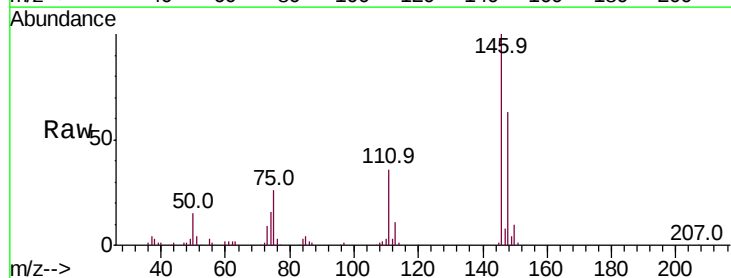
Manual Integrations
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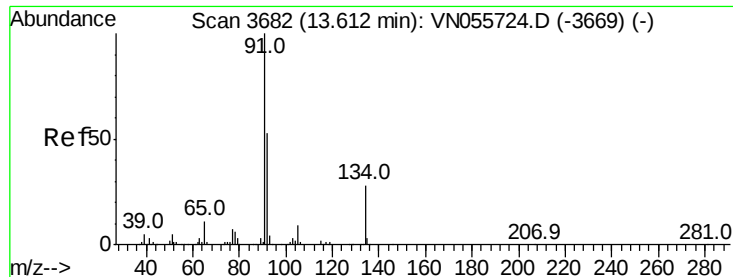
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#84
 1,4-Dichlorobenzene
 Concen: 18.073 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.5	52.6
148	63.7	31.8	95.4





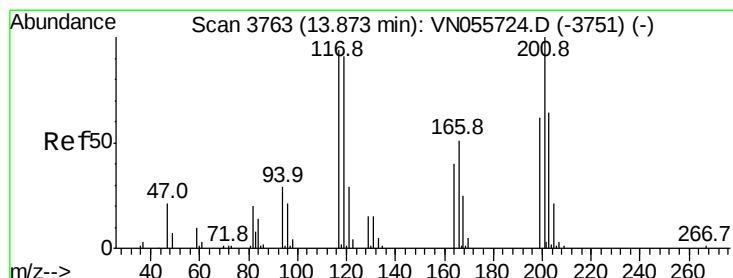
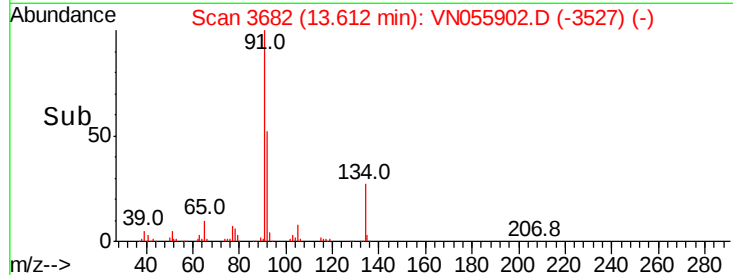
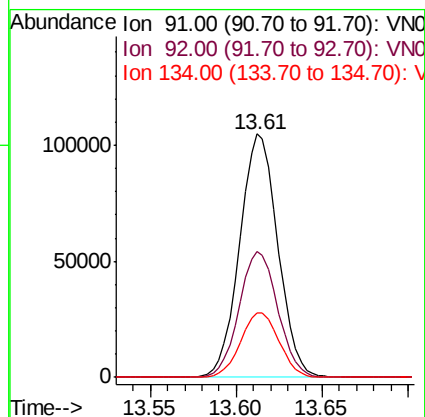
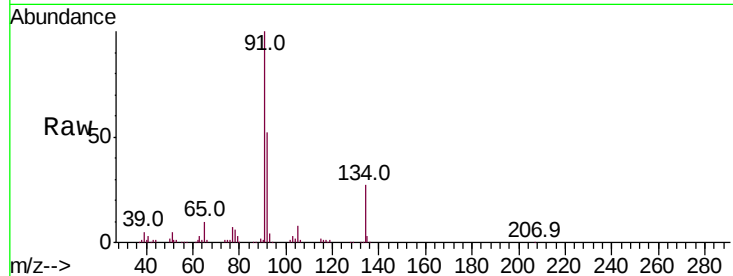
#85
n-Butylbenzene
Concen: 17.915 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161935		
92	52.3	0.0	106.8	
134	26.9	0.0	55.2	

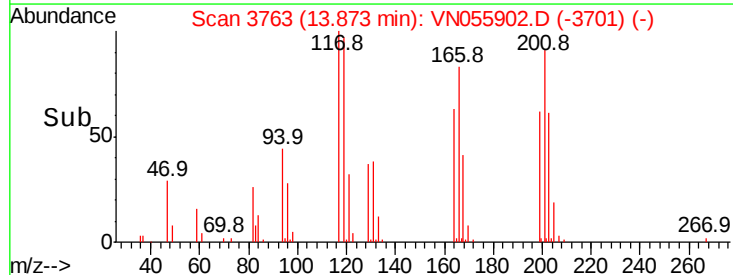
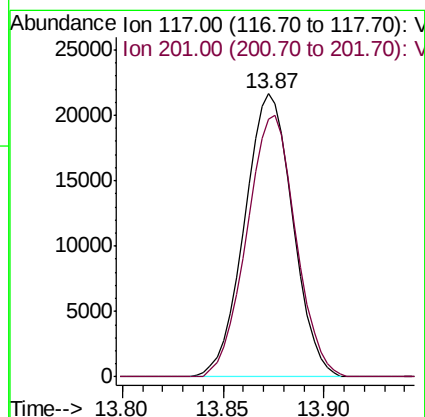
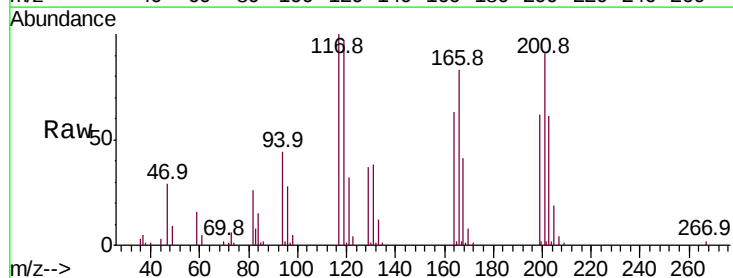
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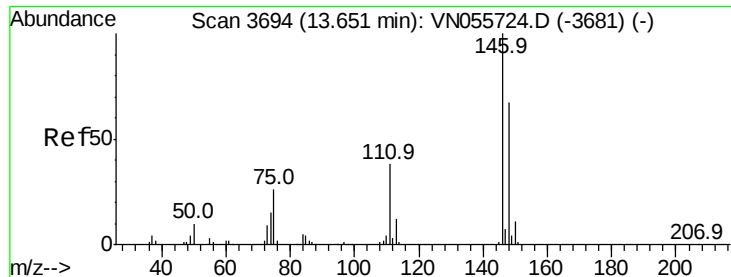
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#86
Hexachloroethane
Concen: 15.866 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36259		
201	93.6	52.5	157.6	





#87

1,2-Dichlorobenzene

Concen: 19.102 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Instrument :

MSVOA_N

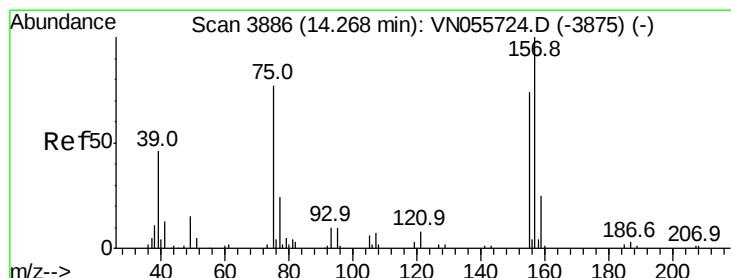
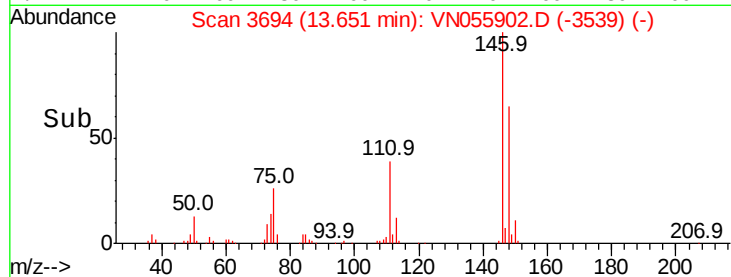
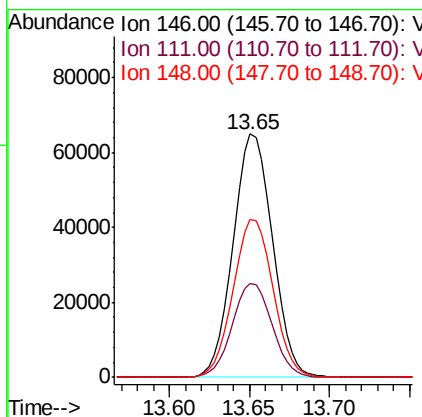
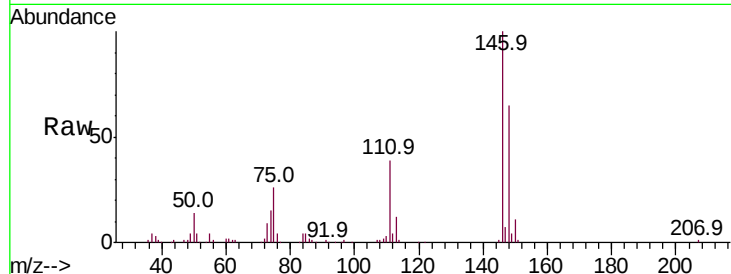
ClientSampleId :

VN0530WBSD02

Tot Ion:	146	Resp:	109073
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.2	57.6
148	65.4	32.7	98.1

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.599 ug/l

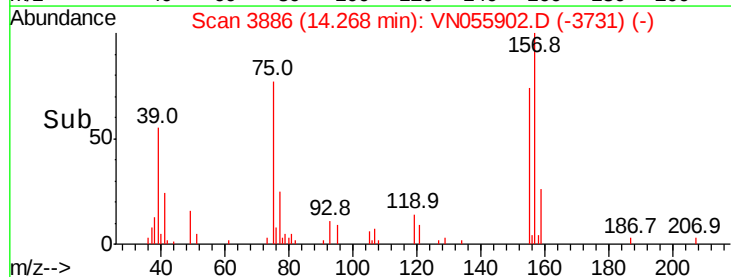
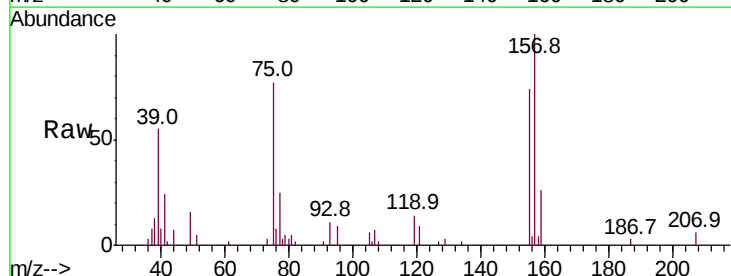
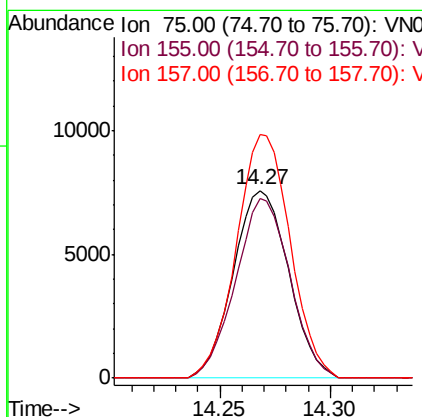
RT: 14.27 min Scan# 3886

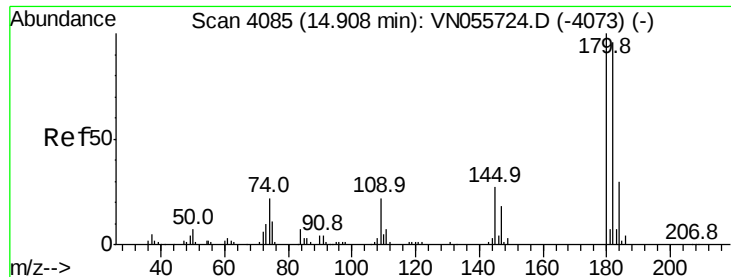
Delta R.T. -0.00 min

Lab File: VN055902.D

Acq: 30 May 2019 16:12

Tgt Ion:	75	Resp:	13239
Ion Ratio	Lower	Upper	
75	100		
155	93.7	78.4	117.6
157	125.7	105.0	157.4





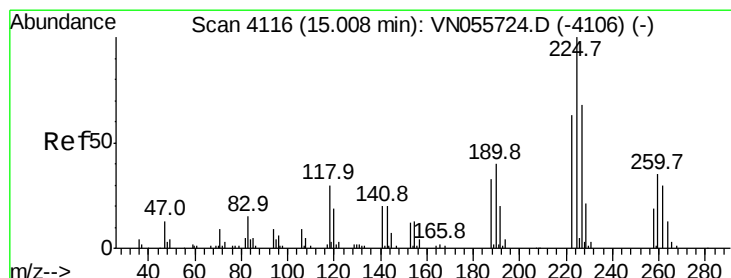
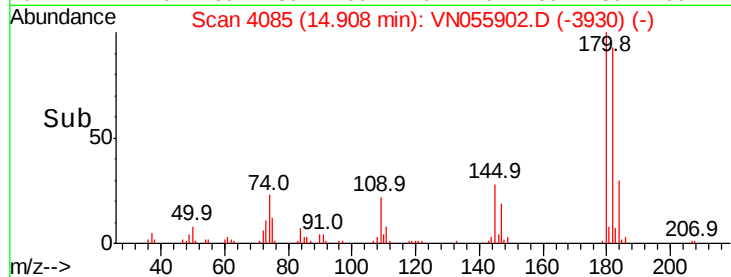
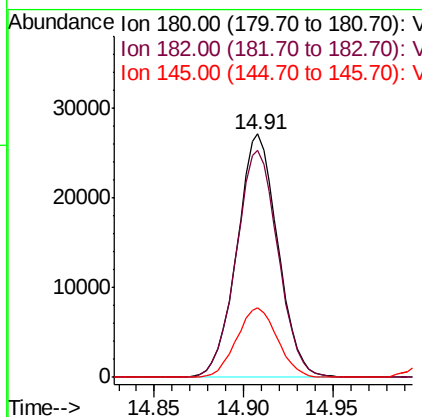
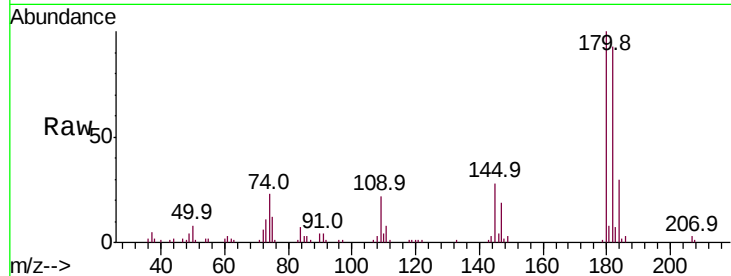
#89
 1,2,4-Trichlorobenzene
 Concen: 14.097 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
145	28.5	21.8	32.8

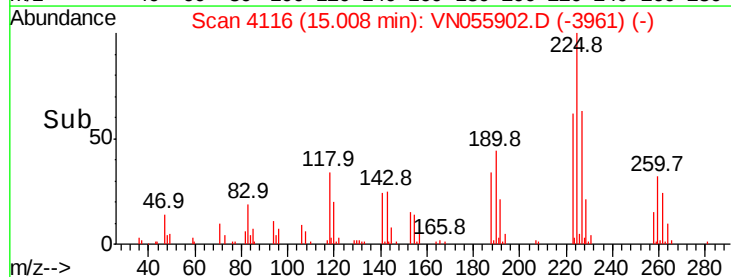
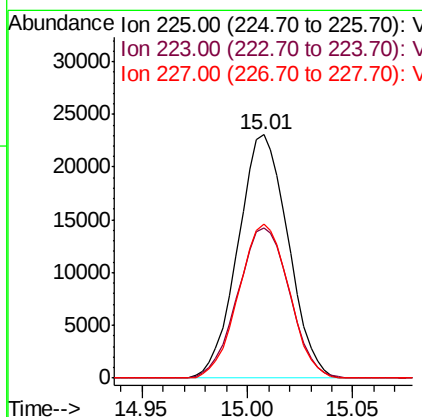
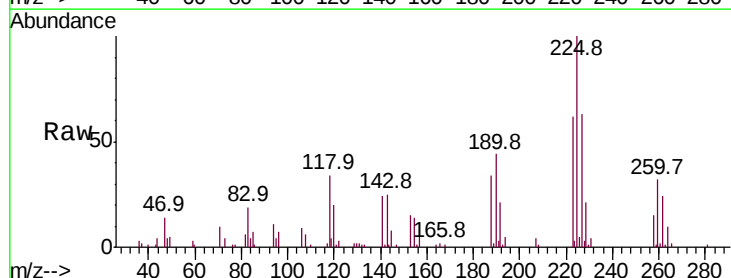
Manual Integrations
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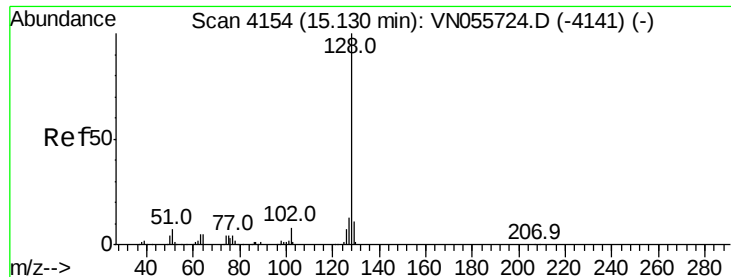
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#90
 Hexachlorobutadiene
 Concen: 16.587 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055902.D
 Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	0.0	126.0
227	63.4	0.0	133.0





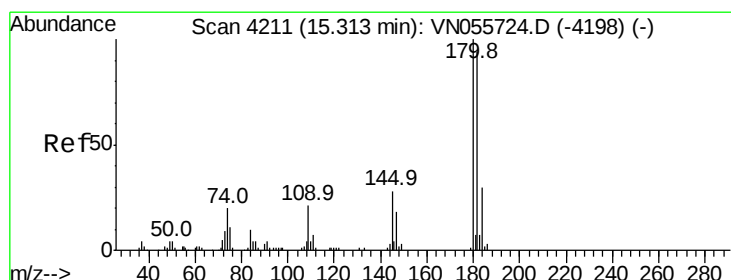
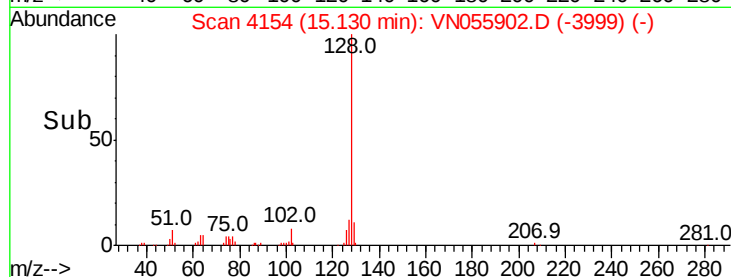
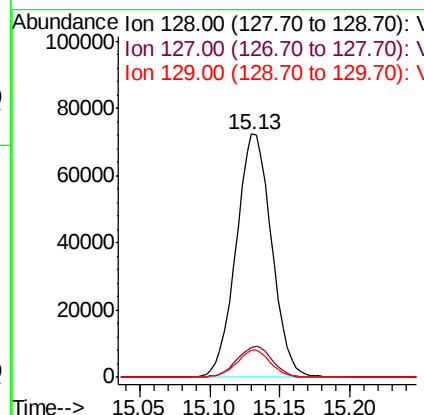
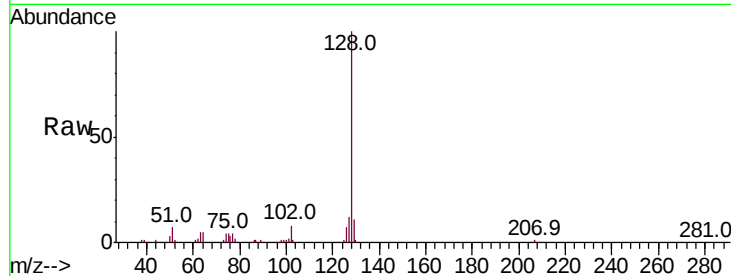
#91
Naphthalene
Concen: 15.147 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	127561		
127	12.7	10.0	15.0	
129	10.7	8.7	13.1	

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APPROVED

MMDadoda
5/31/2019 9:38:40 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.825 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055902.D
Acq: 30 May 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	50978		
182	97.1	0.0	188.6	
145	30.0	0.0	56.8	

