

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056027.D
 Acq On : 6 Jun 2019 00:43
 Operator : JC/SP
 Sample : VN0606WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0606WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:04:42 AM

Quant Time: Jun 06 04:47:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	54410	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	286356	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	255765	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	100768	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	110769	29.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.40%
63) Toluene-d8	10.09	98	351571	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	65806	21.503	ug/l 99
3) Chloromethane	2.06	50	75706	21.173	ug/l 99
4) Vinyl Chloride	2.18	62	76149	20.888	ug/l 99
5) Bromomethane	2.54	94	48875	21.333	ug/l 99
6) Chloroethane	2.69	64	44510	21.586	ug/l 93
7) Trichlorofluoromethane	3.00	101	92285	20.460	ug/l 98
8) Diethyl Ether	3.40	74	39268	20.527	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55525	19.943	ug/l 98
10) 1,1-Dichloroethene	3.72	96	58340	20.541	ug/l 98
11) Methyl Iodide	3.94	142	78076	17.424	ug/l 99
12) Methyl Acetate	4.33	43	69008	20.219	ug/l 99
13) Acrolein	3.60	56	17166	103.191	ug/l 100
14) Acrylonitrile	4.99	53	157333	103.371	ug/l 100
15) Acetone	3.82	58	43849	87.988	ug/l 99
16) Carbon Disulfide	4.04	76	130474	19.307	ug/l 98
17) Allyl chloride	4.31	41	87211	19.818	ug/l 98
18) Methylene Chloride	4.54	84	67713	20.594	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	62329	20.559	ug/l 95
20) Diisopropyl ether	5.96	45	186154	20.417	ug/l 98
21) 1,1-Dichloroethane	5.84	63	109937	20.748	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	73646	20.813	ug/l 97
23) tert-Butyl Alcohol	4.82	59	55124	93.047	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	187218	20.684	ug/l 100
25) Chloroform	7.37	83	108653	20.536	ug/l 100
26) Cyclohexane	7.65	56	99169	20.174	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	81567	21.058	ug/l 100
30) 2-Butanone	6.84	43	204067	100.073	ug/l 99
31) 2,2-Dichloropropane	6.82	77	60751	16.859	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	89627	20.943	ug/l 100
33) Carbon Tetrachloride	7.77	117	72850	20.092	ug/l 99
34) Benzene	8.04	78	262688	21.285	ug/l 98
35) Methacrylonitrile	7.18	41	38365	22.280	ug/l 99
36) 1,2-Dichloroethane	8.12	62	80596	20.849	ug/l 100
37) Trichloroethene	8.83	130	72279	20.929	ug/l 99
38) Methylcyclohexane	9.08	83	98454	20.049	ug/l 100
39) 1,2-Dichloropropane	9.12	63	66887	21.161	ug/l 98
40) Dibromomethane	9.21	93	43582	20.795	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	77095	20.543	ug/l	99
42) Vinyl Acetate	5.90	43	756594	104.071	ug/l	100
43) Ethyl Acetate	6.93	43	82071	21.030	ug/l	95
44) Isopropyl Acetate	8.17	43	123584	20.395	ug/l	98
45) 1,4-Dioxane	9.20	88	25868	399.070	ug/l #	87
46) Methyl methacrylate	9.20	41	62759	20.848	ug/l	97
47) n-amyl Acetate	12.07	43	99778	19.911	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	75460	19.107	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	89918	19.443	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	65914	21.175	ug/l	99
51) Ethyl methacrylate	10.43	69	95273	20.230	ug/l	98
52) 1,3-Dichloropropane	10.71	76	105759	20.957	ug/l	99
53) Dibromochloromethane	10.90	129	59952	19.674	ug/l	98
54) 1,2-Dibromoethane	11.00	107	67475	20.772	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	158209	95.909	ug/l	100
56) Bromoform	12.13	173	40920	18.562	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	403867	104.280	ug/l	100
59) 2-Hexanone	10.75	43	283046	102.251	ug/l	100
61) Tetrachloroethene	10.63	164	76769	21.536	ug/l	97
62) Toluene	10.16	91	285204	20.656	ug/l	99
64) Chlorobenzene	11.43	112	172169	20.558	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	61051	20.216	ug/l	98
66) Ethyl Benzene	11.51	91	303530	20.640	ug/l	100
67) m/p-Xylenes	11.62	106	231951	41.207	ug/l	98
68) o-Xylene	11.95	106	115625	20.982	ug/l	99
69) Styrene	11.96	104	182533	20.387	ug/l	99
70) Isopropylbenzene	12.25	105	303160	21.056	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	89766	20.679	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	72850m	19.386	ug/l	
73) Bromobenzene	12.53	156	78796	20.618	ug/l	99
74) n-propylbenzene	12.59	91	311210	20.482	ug/l	100
75) 2-Chlorotoluene	12.67	91	195598	20.754	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	243573	20.566	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	17311	16.144	ug/l	93
78) 4-Chlorotoluene	12.77	91	179644	20.410	ug/l	98
79) tert-butylbenzene	12.99	119	218442	20.819	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	238723	20.721	ug/l	99
81) sec-Butylbenzene	13.17	105	275932	20.788	ug/l	100
82) p-Isopropyltoluene	13.29	119	243844	20.319	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	118362	19.873	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	107875	19.015	ug/l	99
85) n-Butylbenzene	13.61	91	166046	18.538	ug/l	99
86) Hexachloroethane	13.87	117	35403	18.923	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	120404	19.889	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12695	18.631	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	45390	19.244	ug/l	97
90) Hexachlorobutadiene	15.01	225	43025	19.468	ug/l	99
91) Naphthalene	15.13	128	130392	16.218	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	54368	17.157	ug/l	99

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ClientSampleId :
VN0606WBSD01

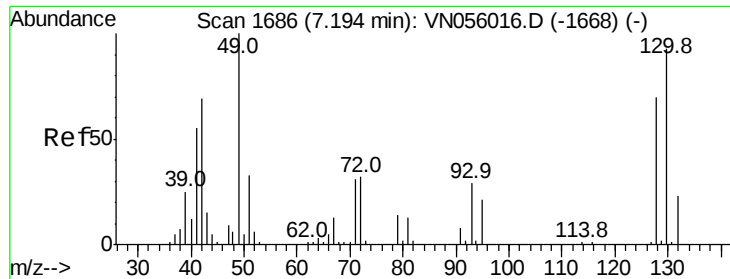
Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



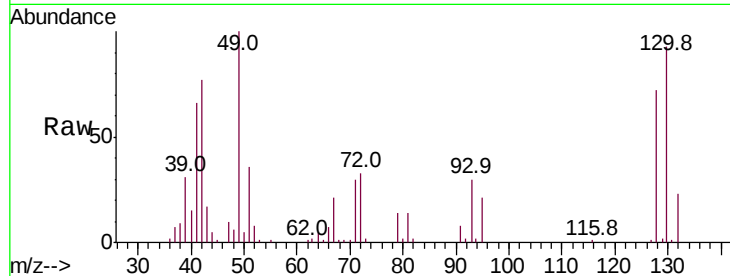
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
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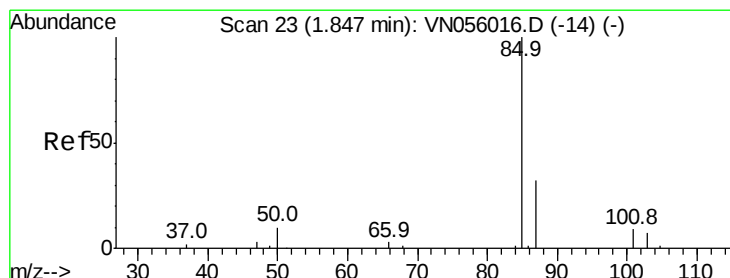
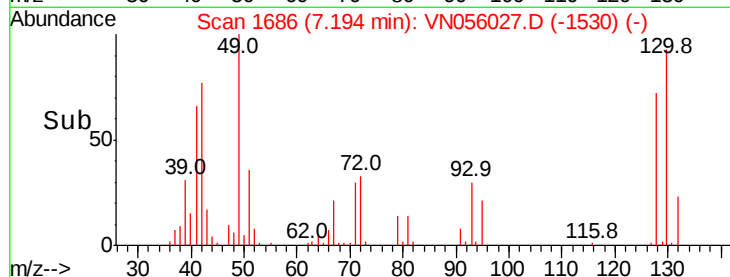
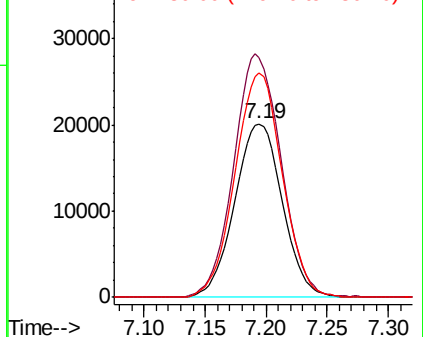
Tot Ion	Ratio	Lower	Upper
128	100		
49	139.8	0.0	355.8
130	128.5	0.0	326.3

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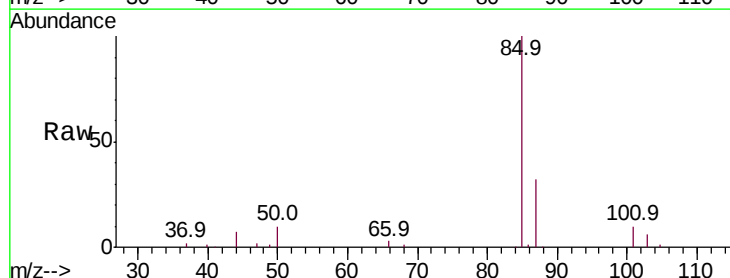


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

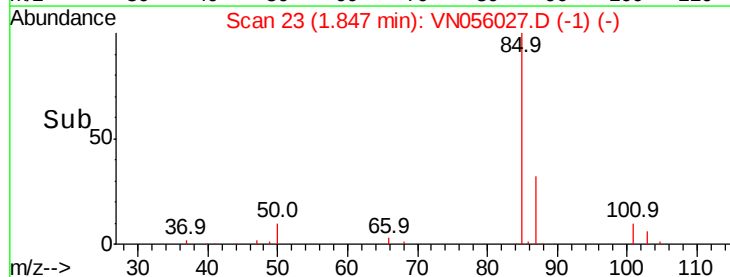
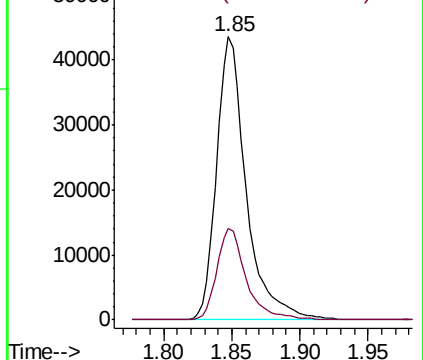


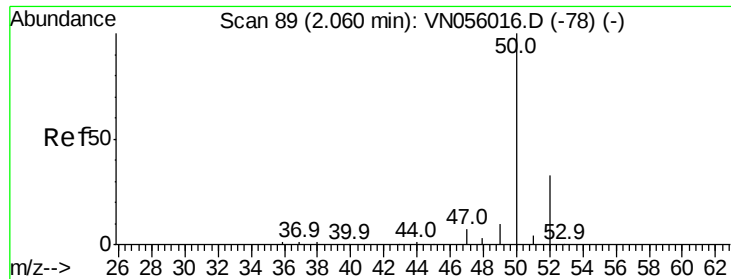
#2
Dichlorodifluoromethane
Concen: 21.503 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.9	47.7



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





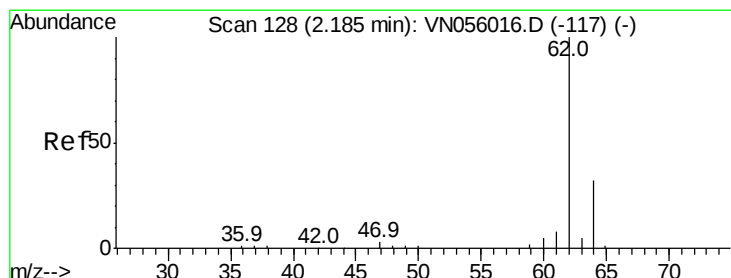
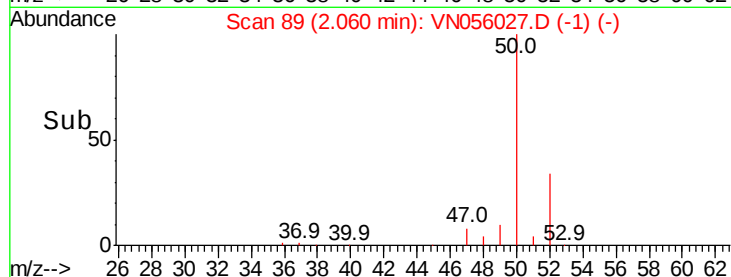
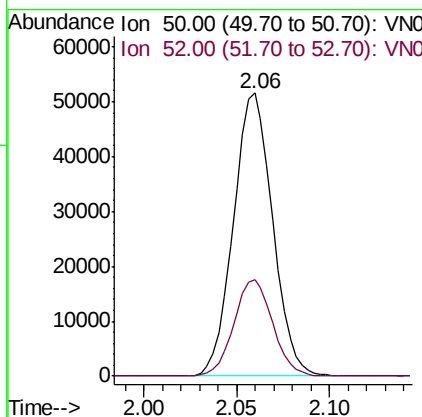
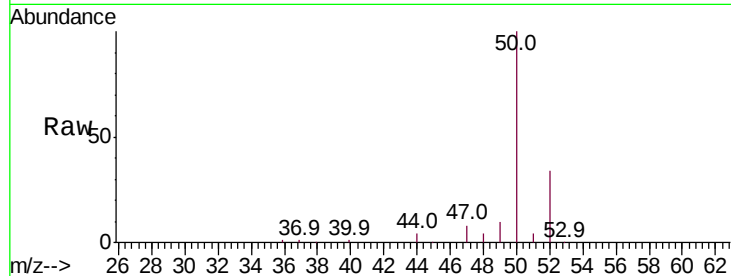
#3
Chloromethane
Concen: 21.173 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
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ClientSampleId :
VN0606WBSD01

Tot Ion: 50 Resp: 75706
Ion Ratio Lower Upper
50 100
52 34.1 26.7 40.1

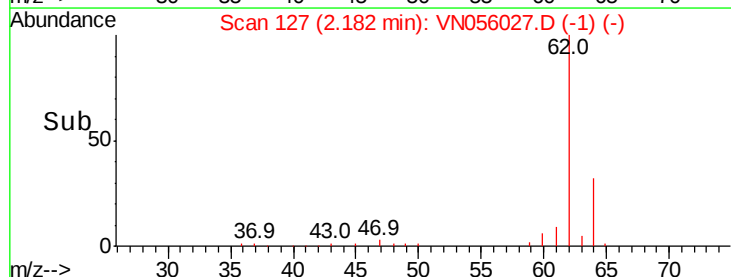
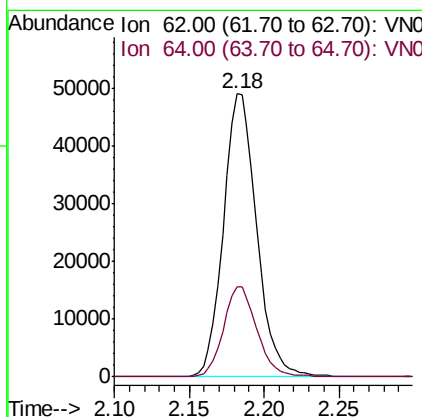
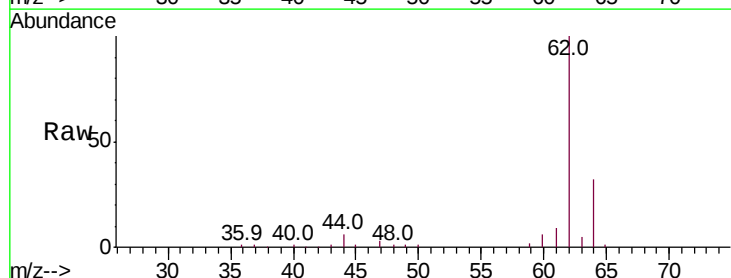
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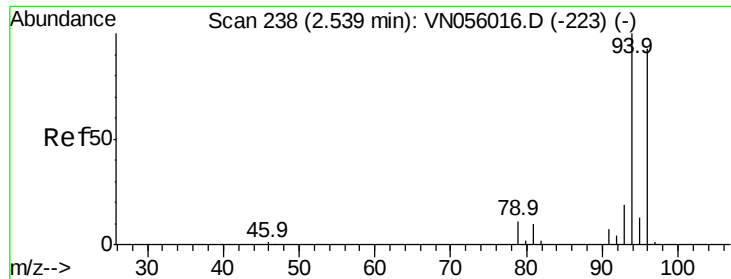
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#4
Vinyl Chloride
Concen: 20.888 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 62 Resp: 76149
Ion Ratio Lower Upper
62 100
64 31.8 25.8 38.8





#5

Bromomethane

Concen: 21.333 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

Tot Ion: 94 Resp: 48875

Ion Ratio Lower Upper

94 100

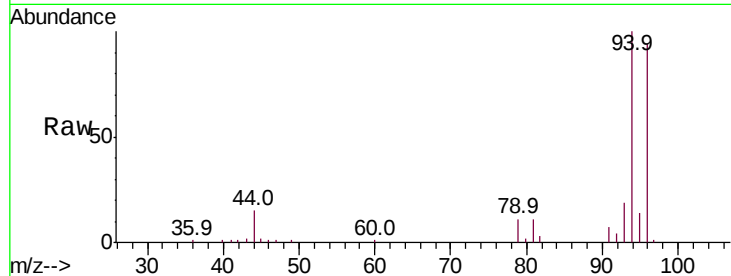
96 93.5 74.1 111.1

Manual Integrations

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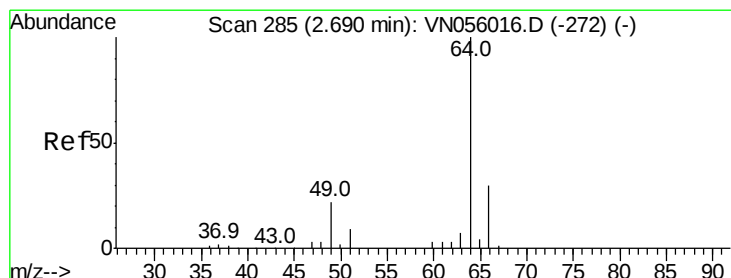
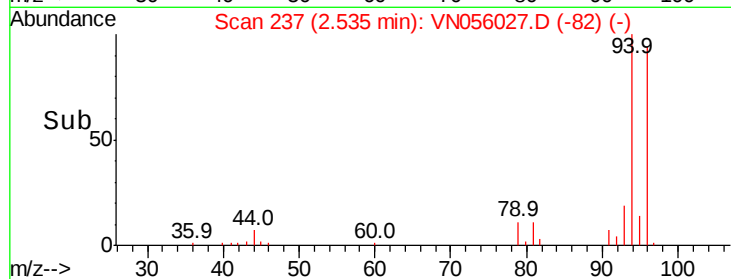
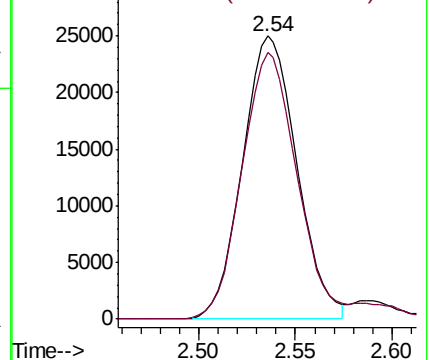
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.586 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056027.D

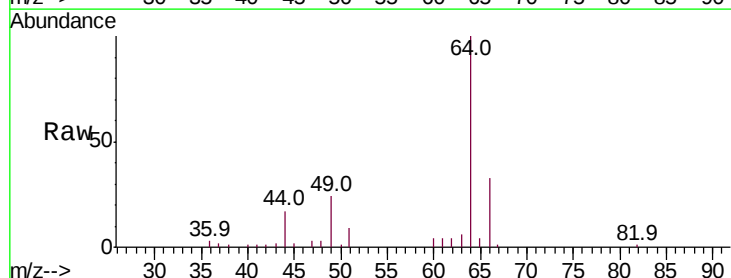
Acq: 6 Jun 2019 00:43

Tgt Ion: 64 Resp: 44510

Ion Ratio Lower Upper

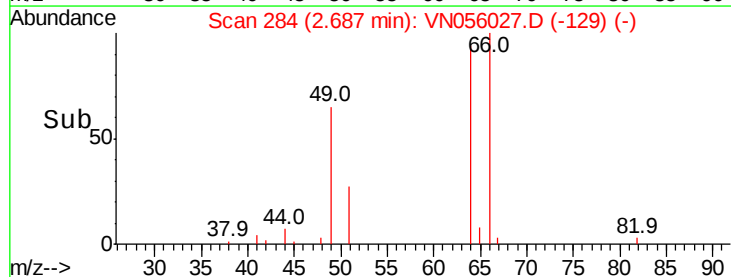
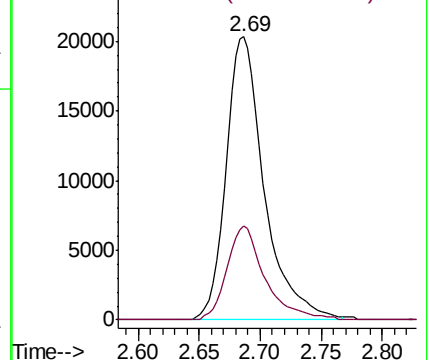
64 100

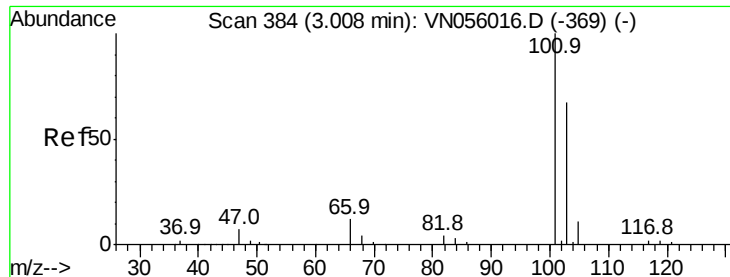
66 33.4 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

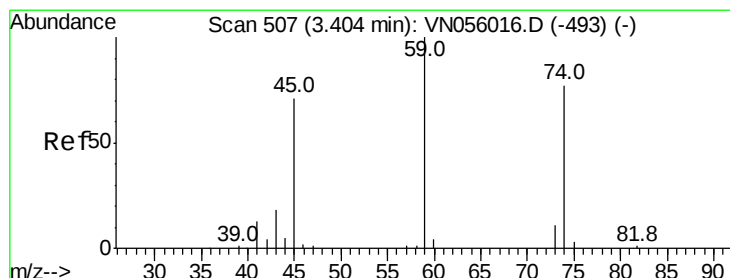
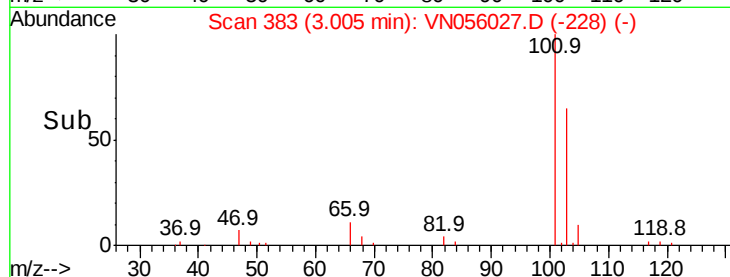
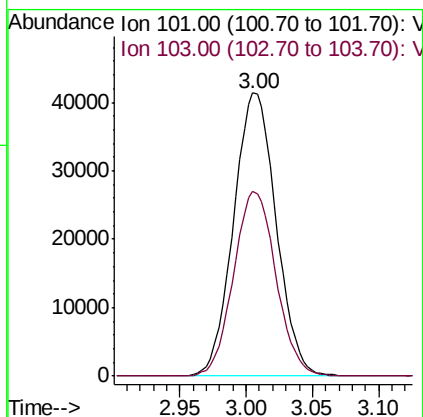
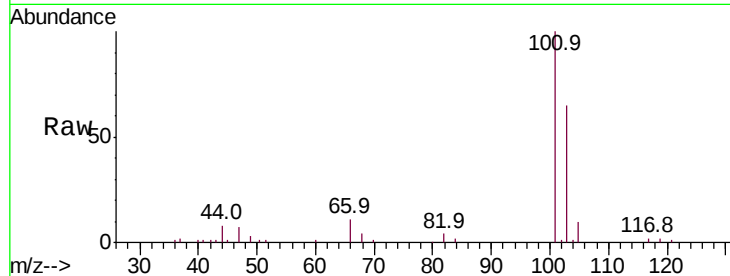
Trichlorofluoromethane
Concen: 20.460 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
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VN0606WBSD01

Tot Ion:101 Resp: 92285
Ion Ratio Lower Upper
101 100
103 65.3 53.4 80.0

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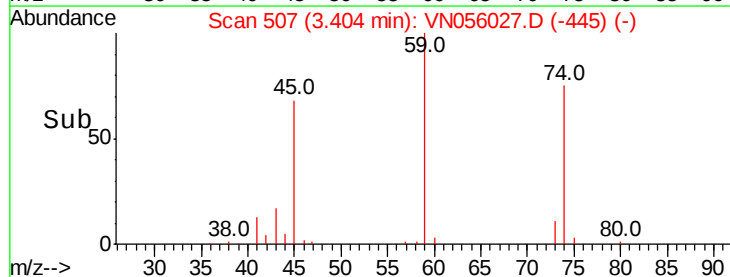
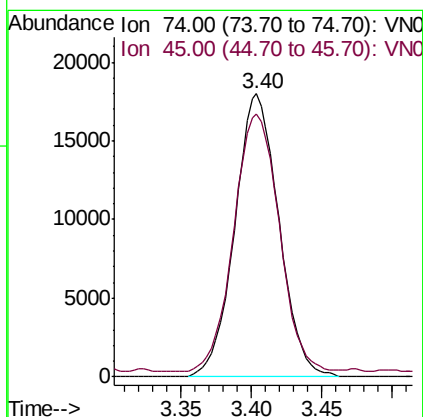
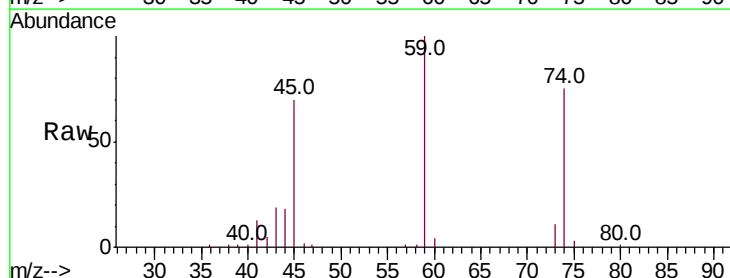
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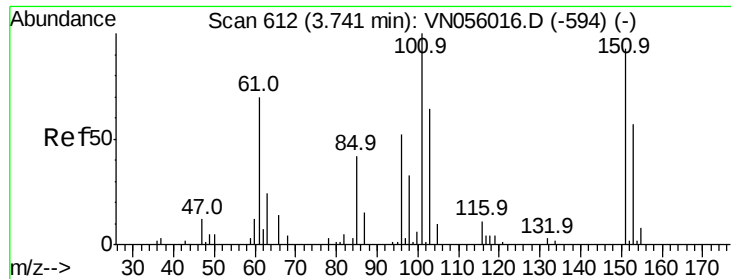


#8

Diethyl Ether
Concen: 20.527 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 74 Resp: 39268
Ion Ratio Lower Upper
74 100
45 93.5 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.943 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

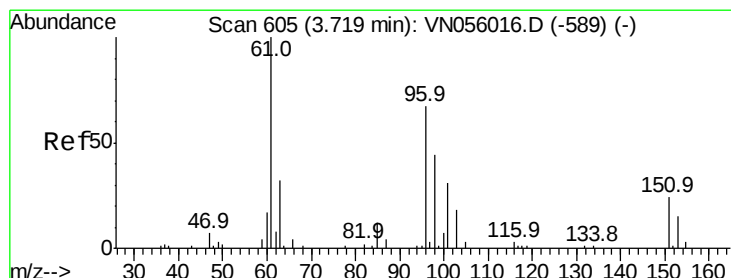
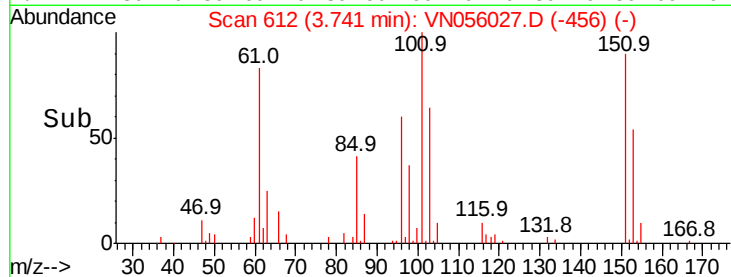
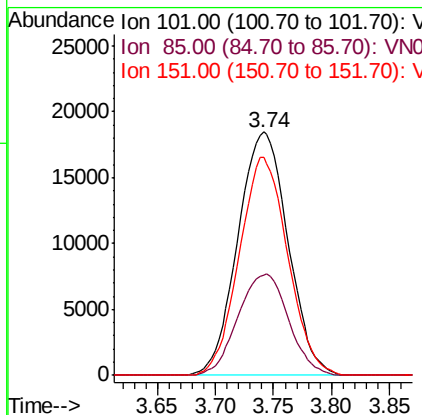
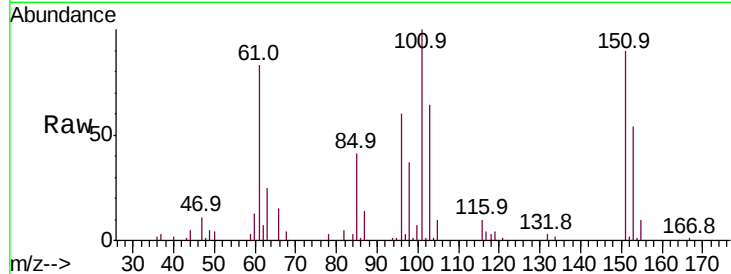
ClientSampleId :

VN0606WBSD01

Tot Ion:	101	Resp:	55525
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	82.0
151	86.7	0.0	177.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.541 ug/l

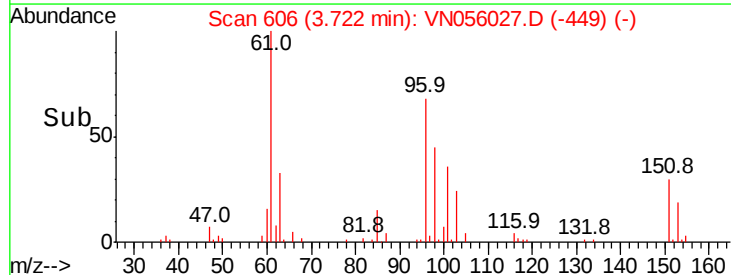
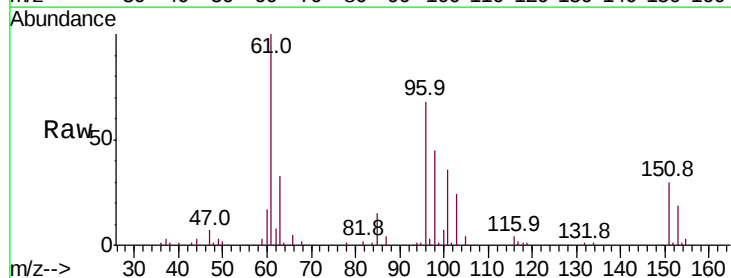
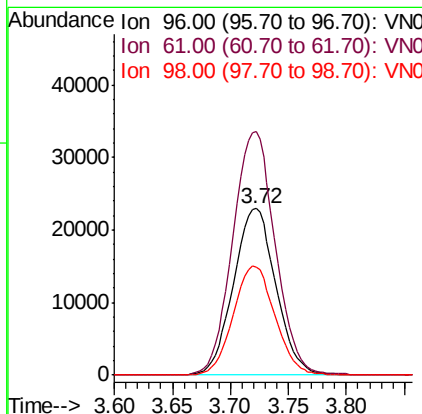
RT: 3.72 min Scan# 606

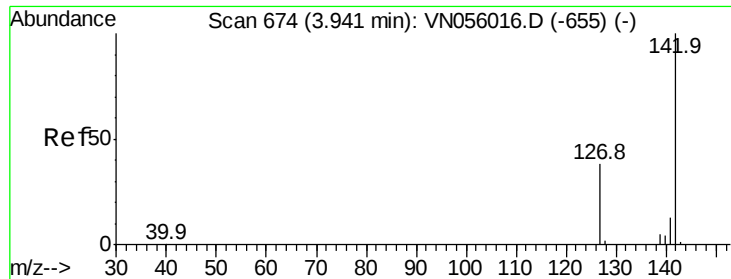
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion:	96	Resp:	58340
Ion Ratio	Lower	Upper	
96	100		
61	146.0	119.7	179.5
98	65.1	52.3	78.5





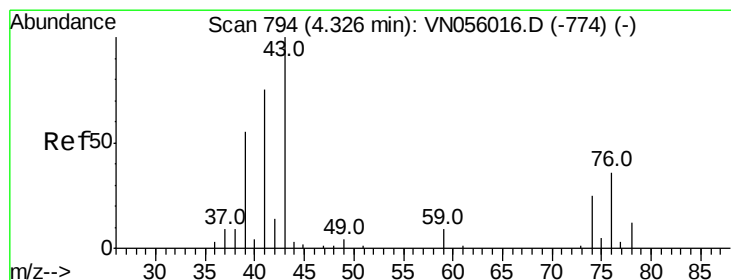
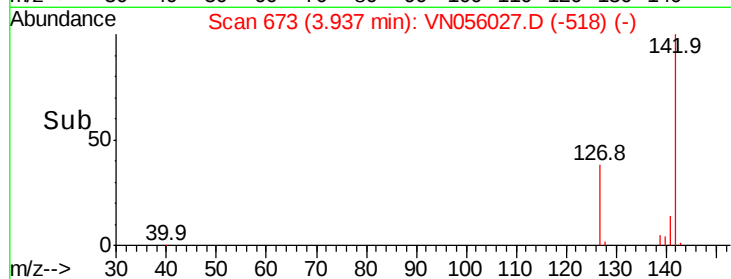
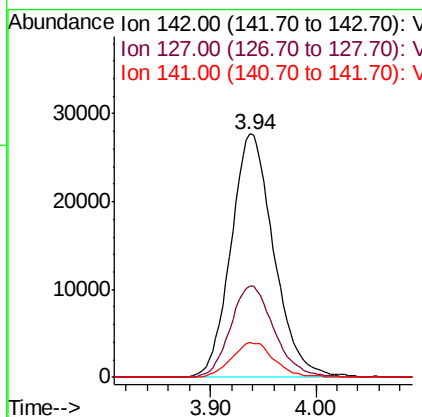
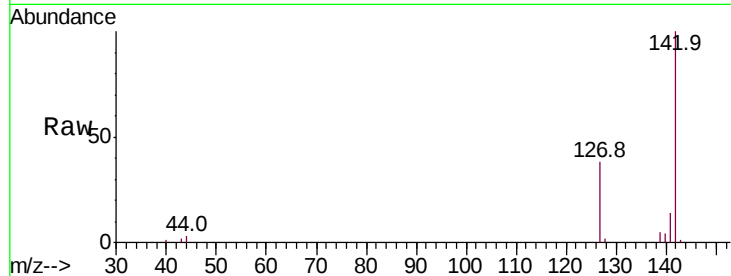
#11
Methyl Iodide
Concen: 17.424 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.4	19.0	57.0
141	14.2	6.7	20.0

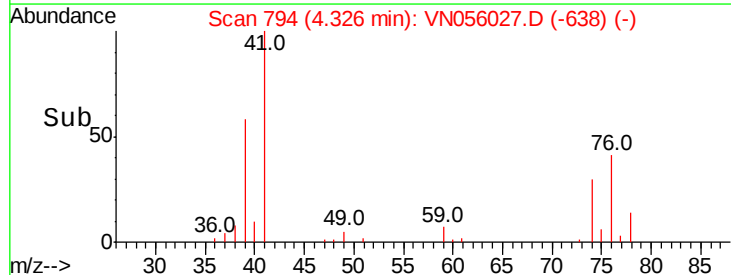
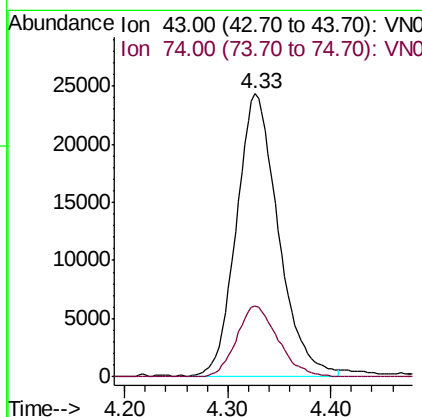
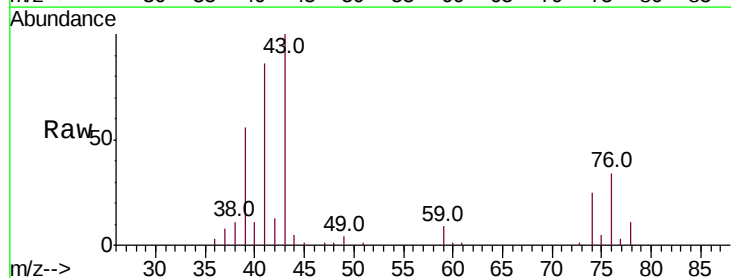
Manual Integrations
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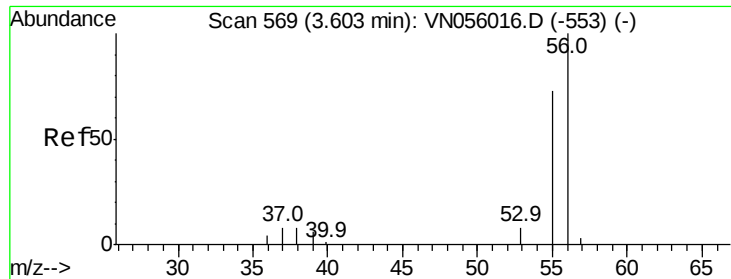
MMDadoda
6/6/2019 9:04:42 AM



#12
Methyl Acetate
Concen: 20.219 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.9	29.9





#13

Acrolein

Concen: 103.191 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

Tot Ion: 56 Resp: 17166

Ion Ratio Lower Upper

56 100

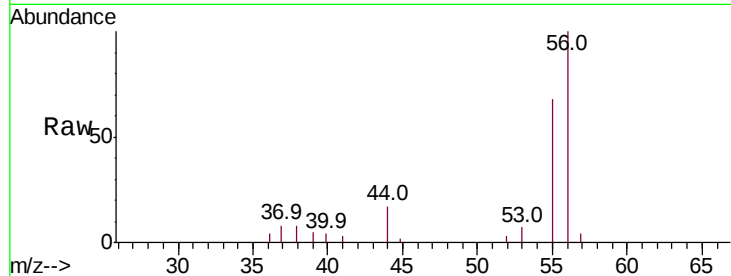
55 72.7 57.9 86.9

Manual Integrations

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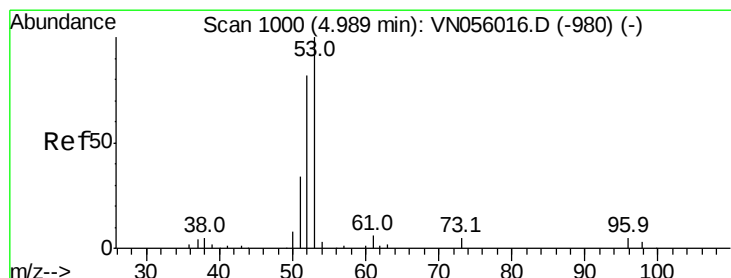
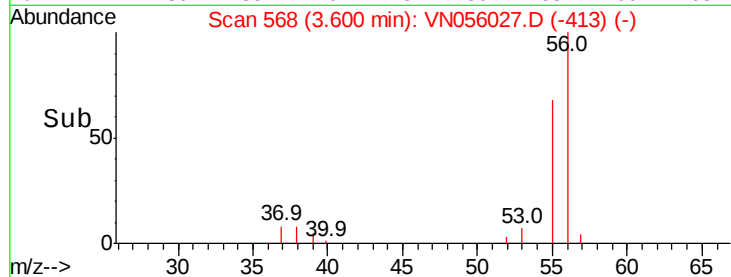
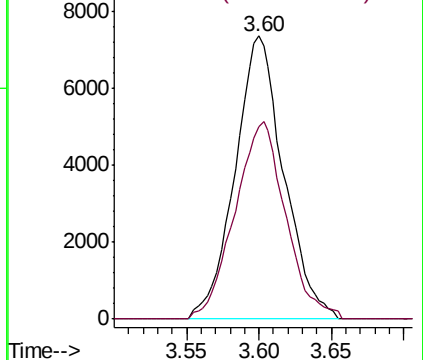
MMDadoda

6/6/2019 9:04:42 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 103.371 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

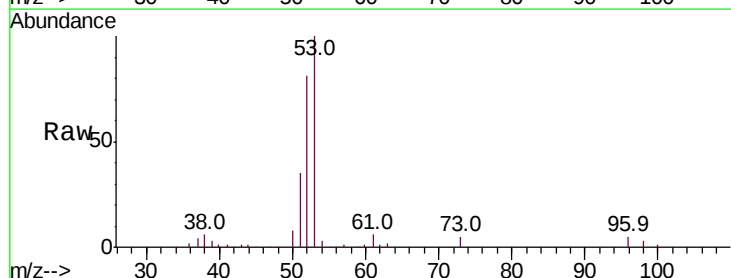
Tgt Ion: 53 Resp: 157333

Ion Ratio Lower Upper

53 100

52 81.9 40.8 122.2

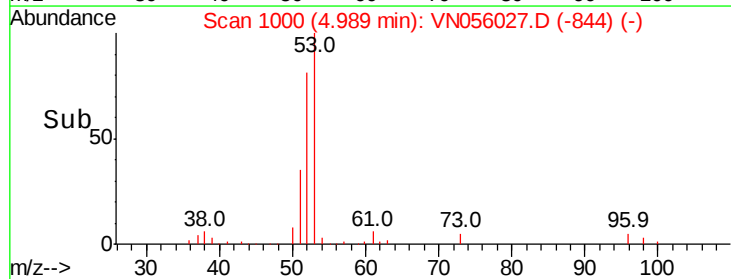
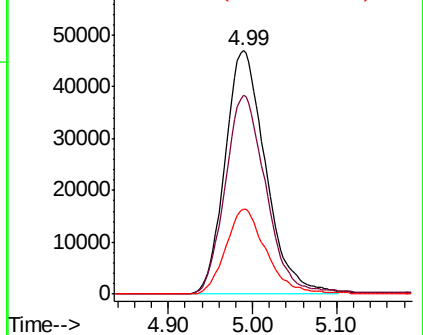
51 34.9 17.3 52.0

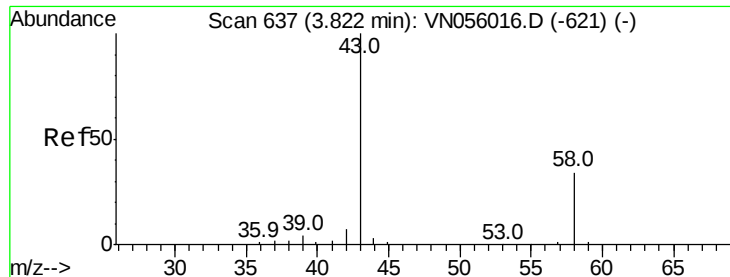


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





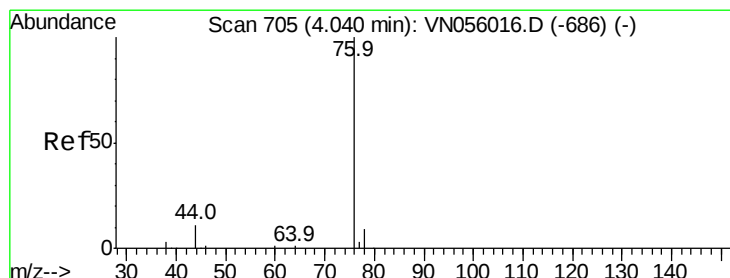
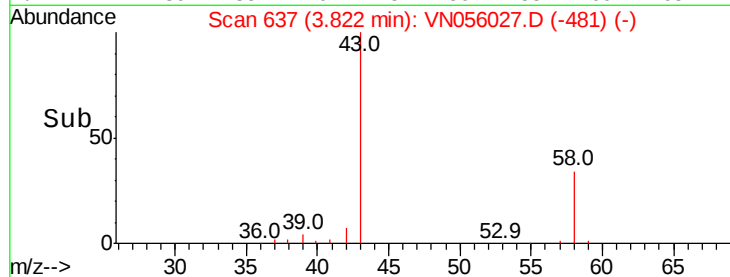
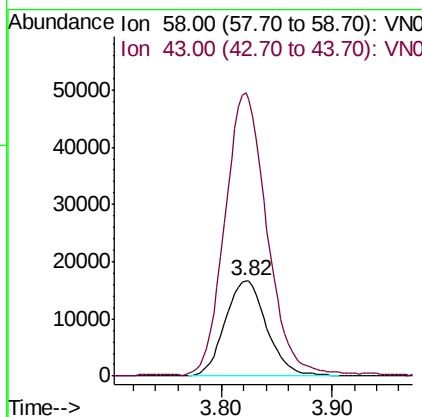
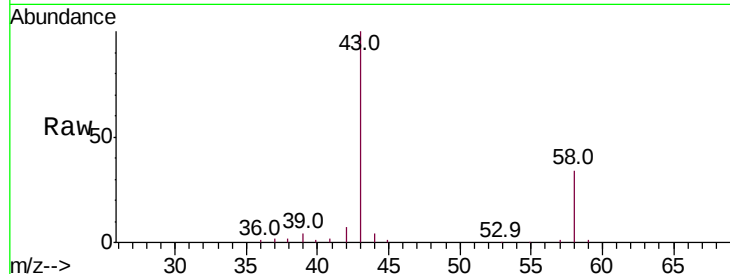
#15
Acetone
Concen: 87.988 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion: 58 Resp: 43849
Ion Ratio Lower Upper
58 100
43 293.0 232.5 348.7

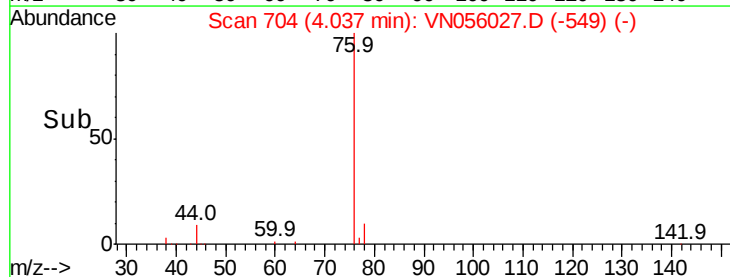
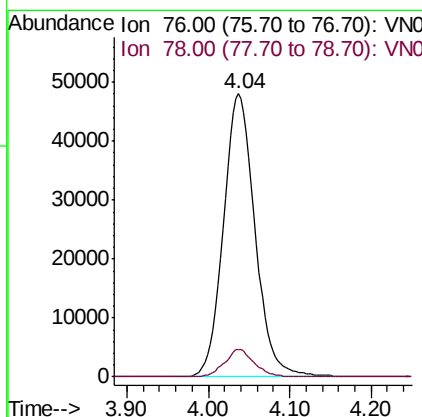
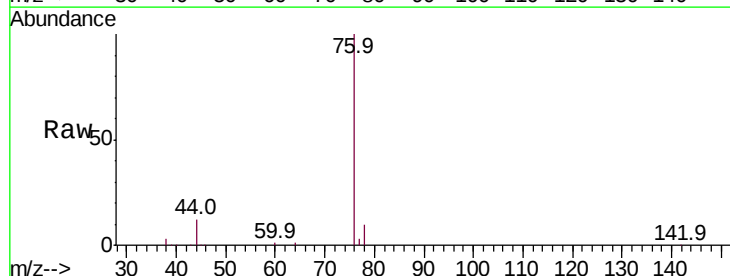
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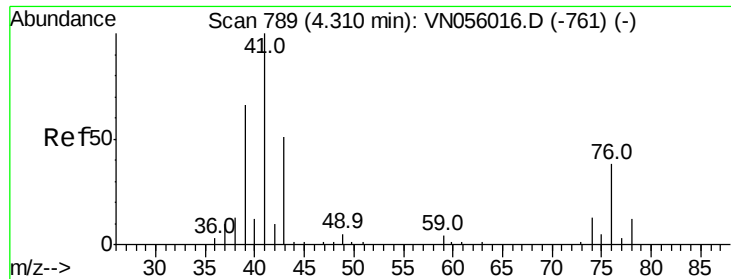
MMDadoda
6/6/2019 9:04:42 AM



#16
Carbon Disulfide
Concen: 19.307 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 76 Resp: 130474
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9





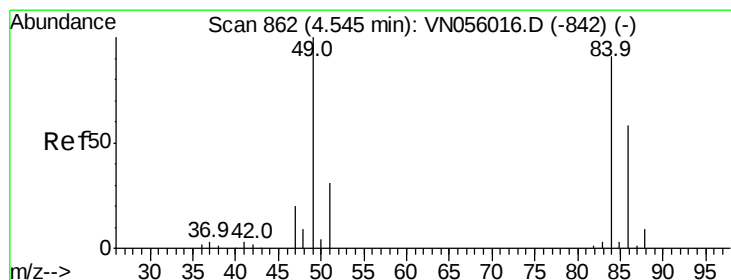
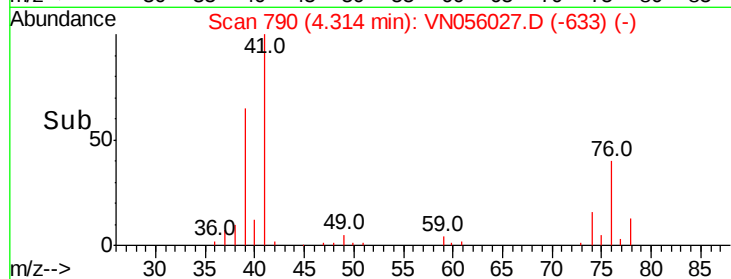
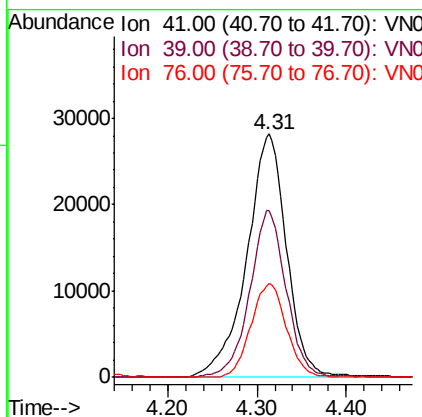
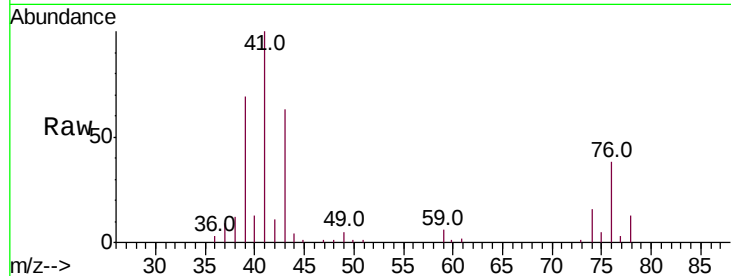
#17
Allvl chloride
Concen: 19.818 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.7	33.0	99.0
76	38.3	18.9	56.9

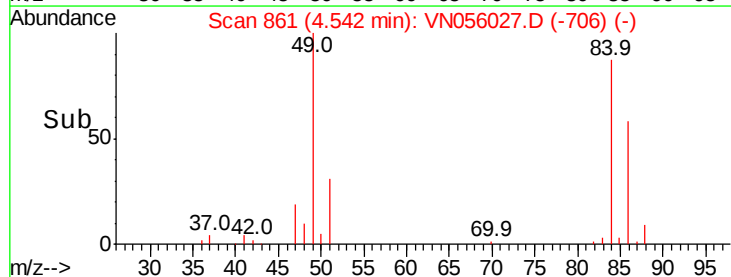
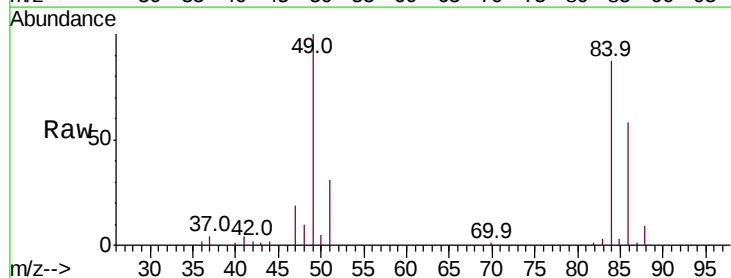
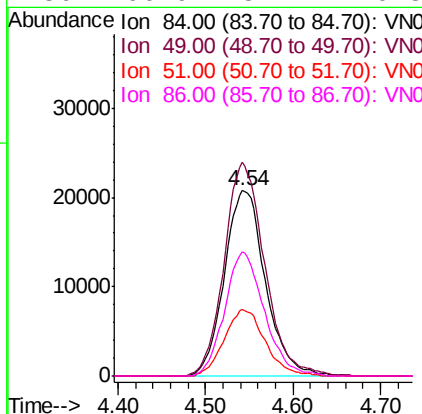
Manual Integrations
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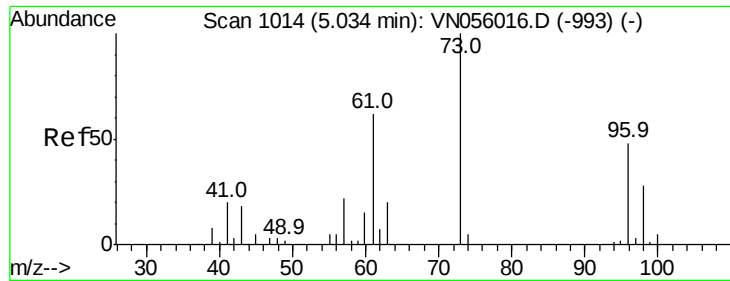
MMDadoda
6/6/2019 9:04:42 AM



#18
Methylene Chloride
Concen: 20.594 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.5	87.6	131.4
51	36.2	27.0	40.4
86	66.9	51.2	76.8





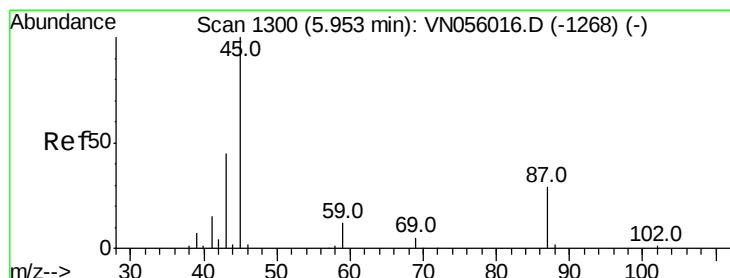
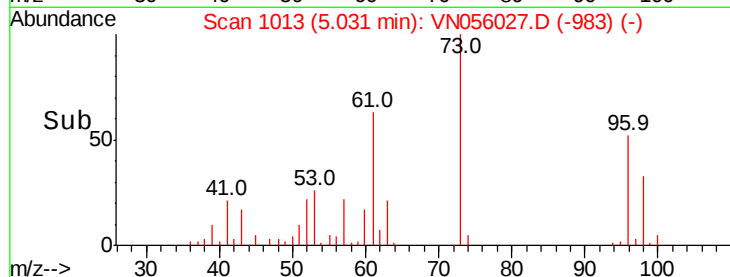
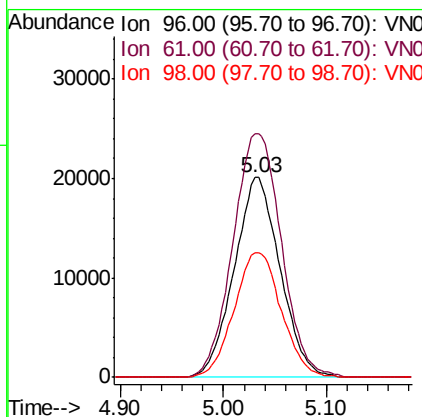
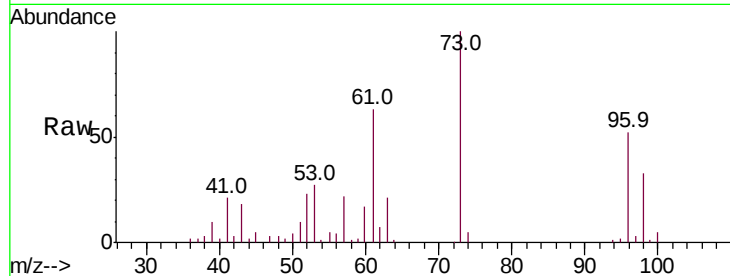
#19
trans-1,2-Dichloroethene
Concen: 20.559 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	102.5	153.7
98	62.5	46.9	70.3

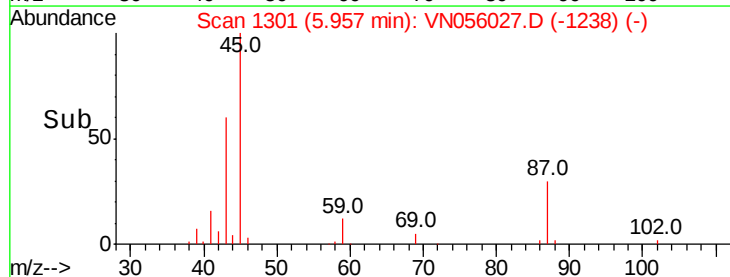
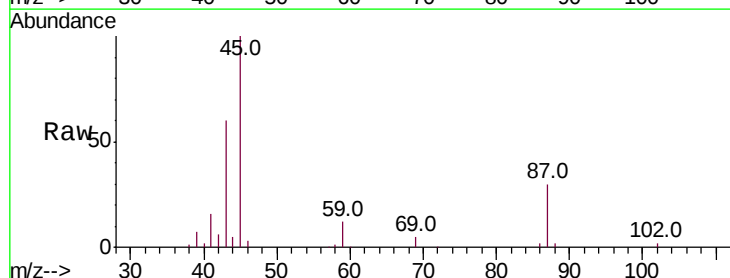
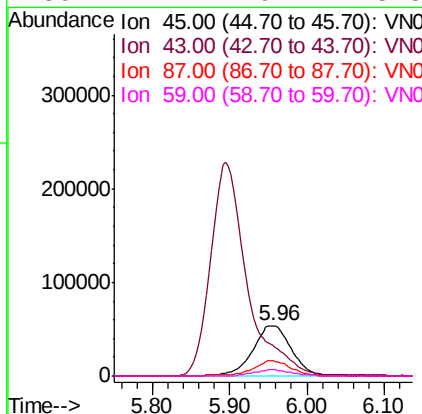
Manual Integrations
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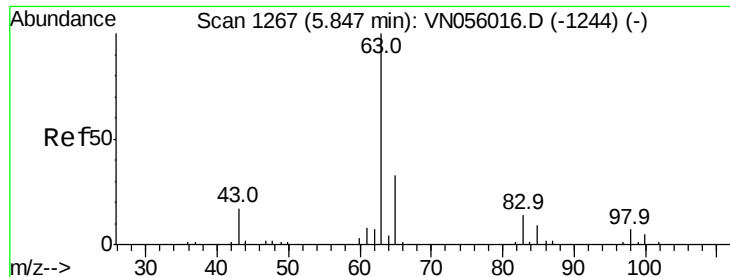
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#20
Diisopropyl ether
Concen: 20.417 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	48.0	72.0
87	29.6	23.4	35.2
59	11.7	9.2	13.8





#21

1,1-Dichloroethane

Concen: 20.748 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

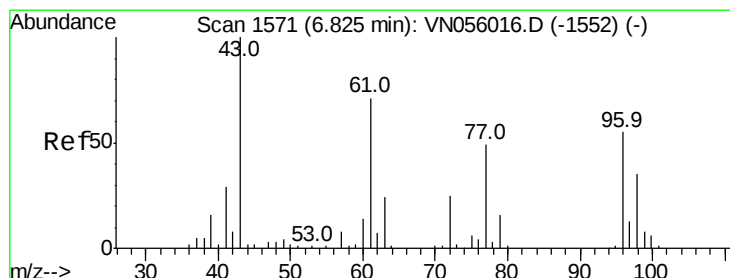
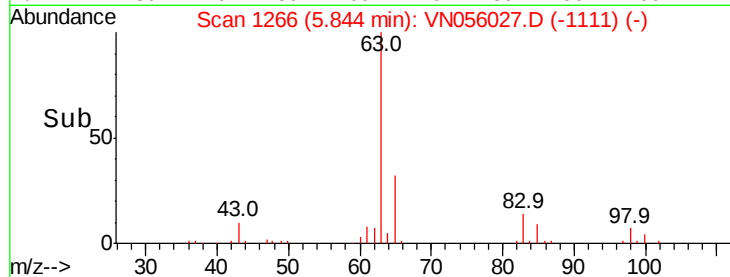
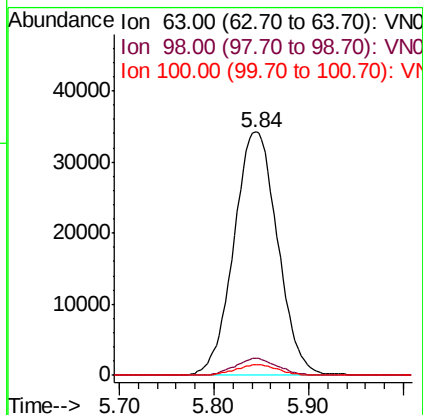
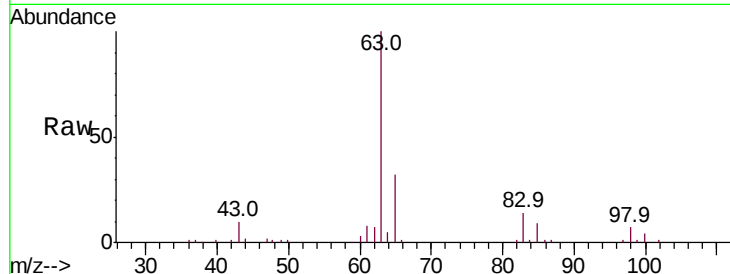
ClientSampleId :

VN0606WBSD01

Tot Ion:	63	Resp:	109937
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.5	10.5
100	4.2	2.3	6.9

Manual Integrations
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MMDadoda
6/6/2019 9:04:42 AM



#22

cis-1,2-Dichloroethene

Concen: 20.813 ug/l

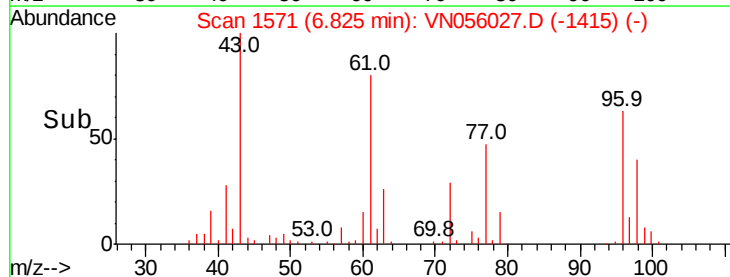
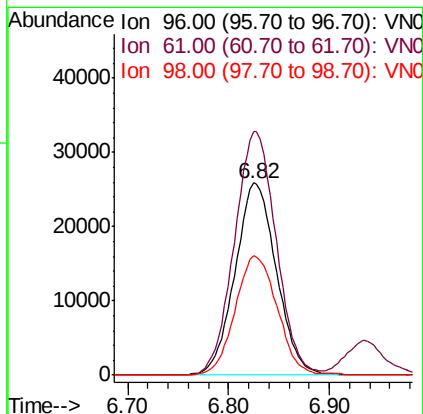
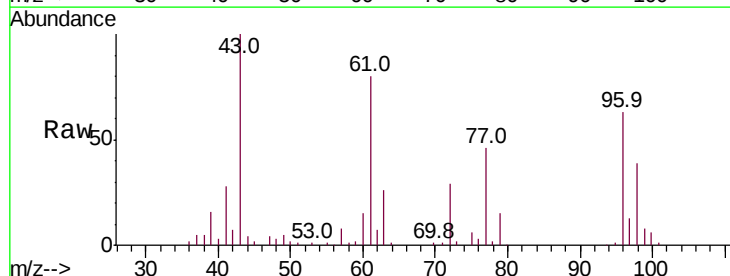
RT: 6.82 min Scan# 1571

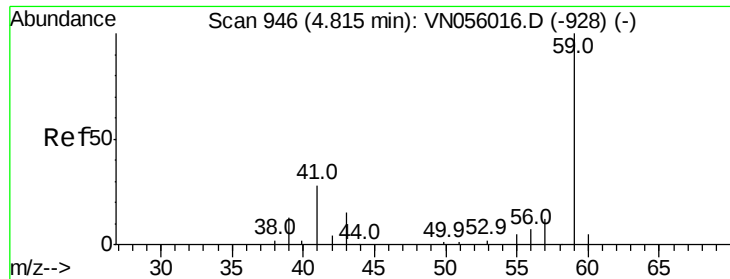
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion:	96	Resp:	73646
Ion Ratio	Lower	Upper	
96	100		
61	128.0	105.7	158.5
98	63.1	52.0	78.0





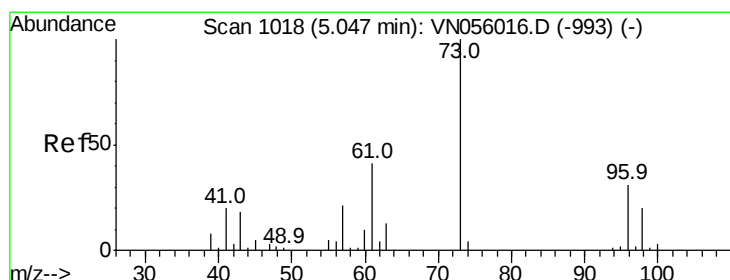
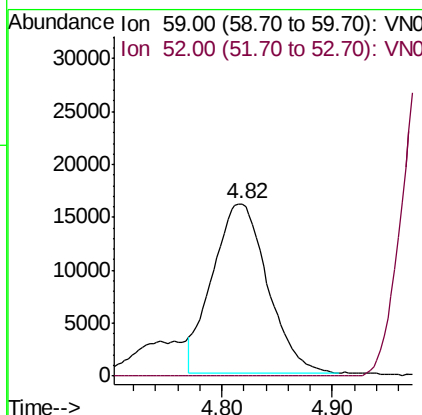
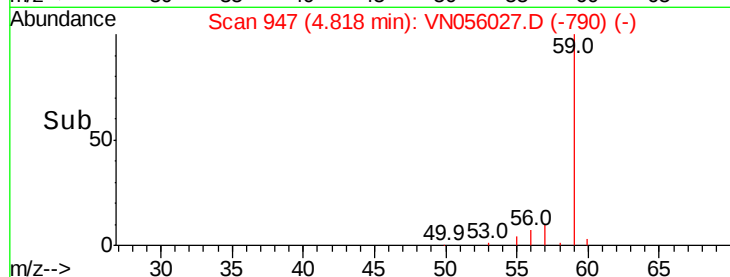
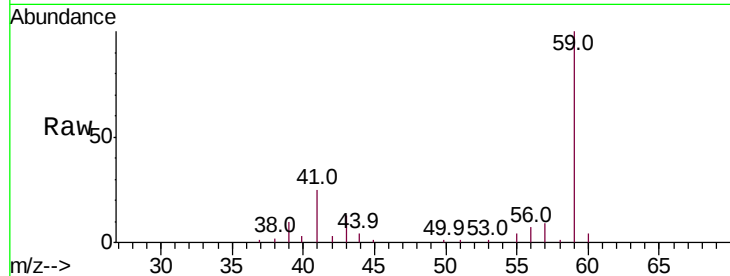
#23
tert-Butyl Alcohol
Concen: 93.047 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion: 59 Resp: 55124
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

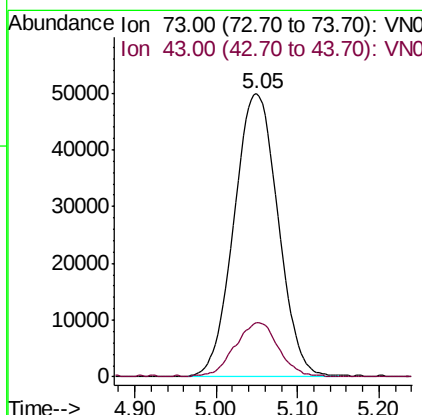
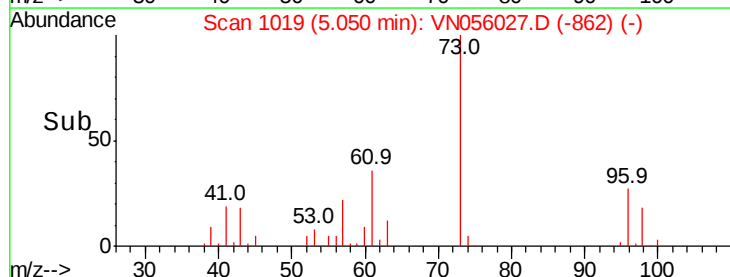
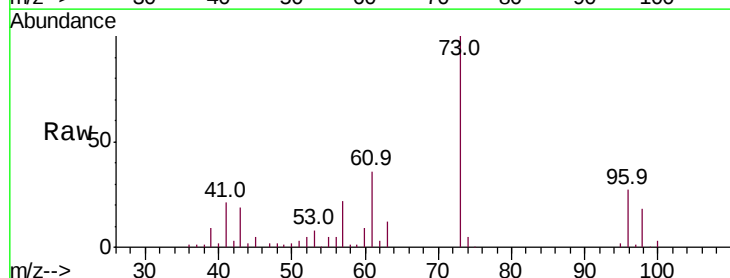
Manual Integrations
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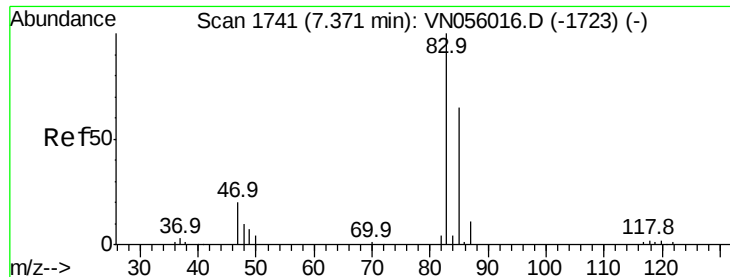
MMDadoda
6/6/2019 9:04:42 AM



#24
Methyl tert-Butyl Ether
Concen: 20.684 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 73 Resp: 187218
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.0





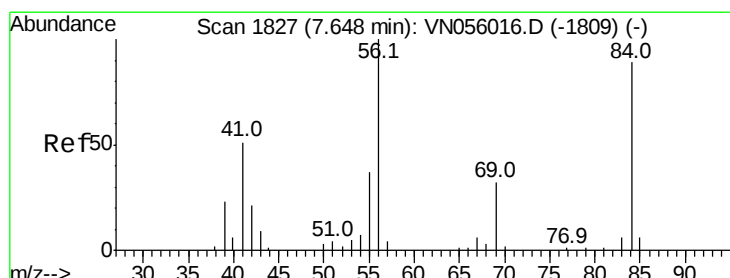
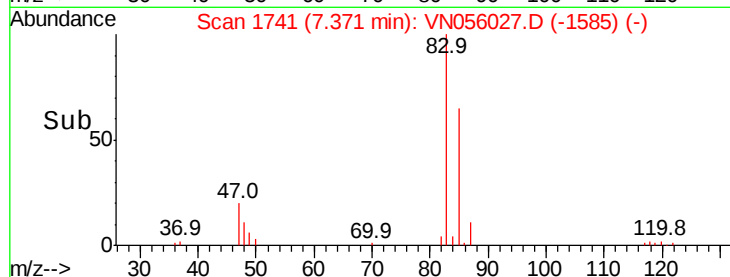
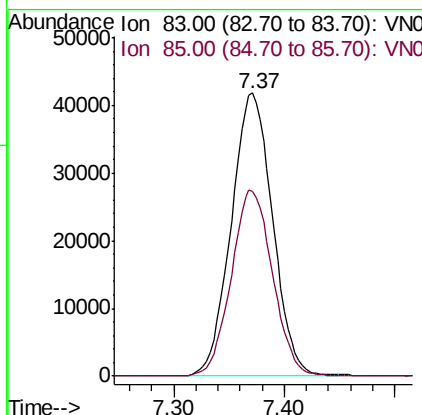
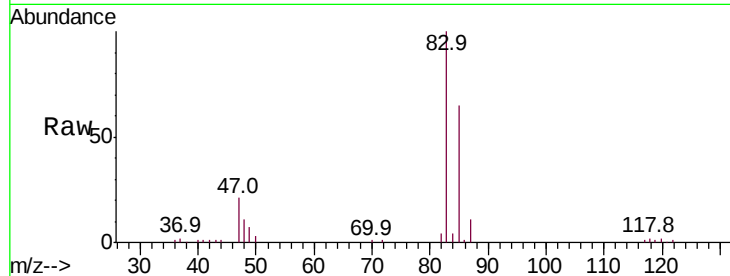
#25
Chloroform
Concen: 20.536 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion: 83 Resp: 108653
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0

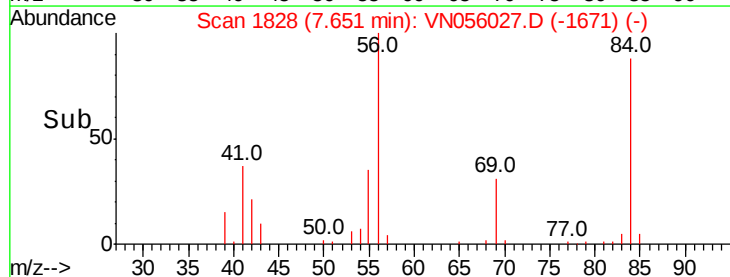
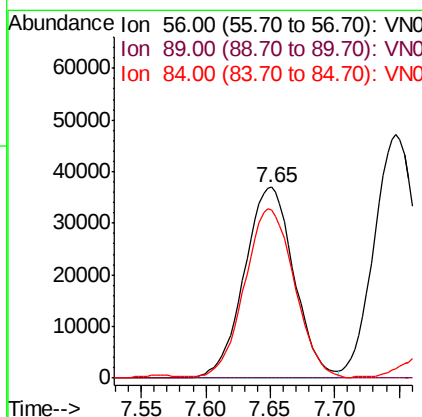
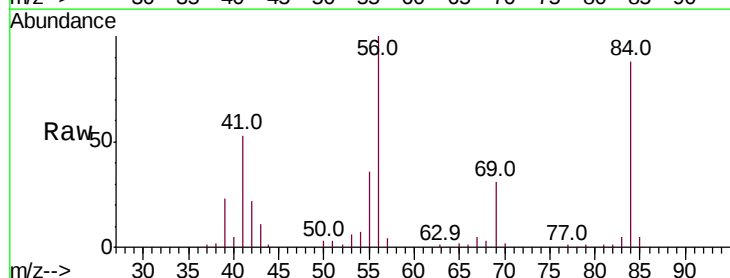
Manual Integrations
APPROVED

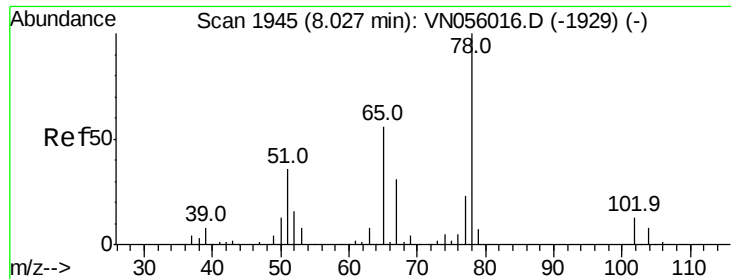
MMDadoda
6/6/2019 9:04:42 AM



#26
Cyclohexane
Concen: 20.174 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 56 Resp: 99169
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.2 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 29.823 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

Tot Ion: 65 Resp: 100768

Ion Ratio Lower Upper

65 100

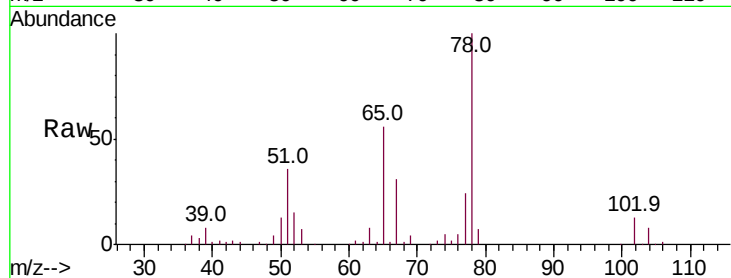
67 55.4 43.4 65.2

Manual Integrations

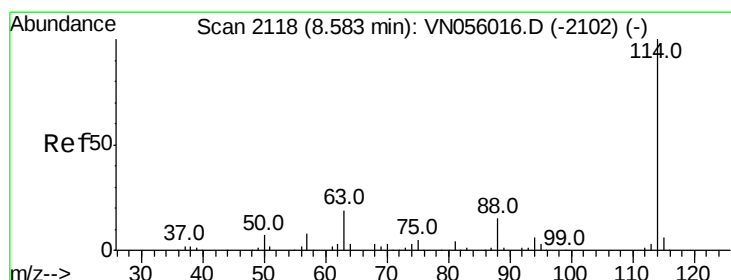
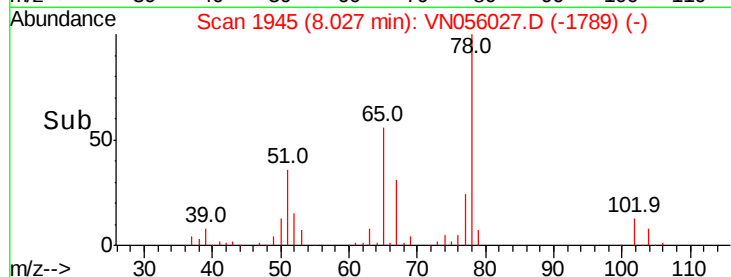
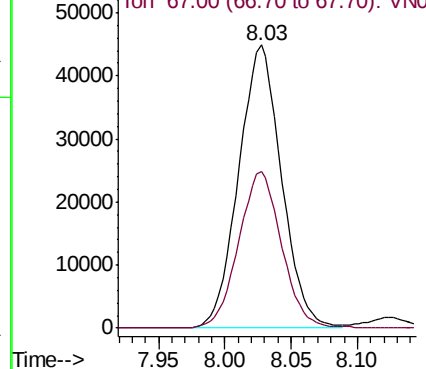
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6/6/2019 9:04:42 AM



Abundance Ion 65.00 (64.70 to 65.70): VN056016.D (-1929) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

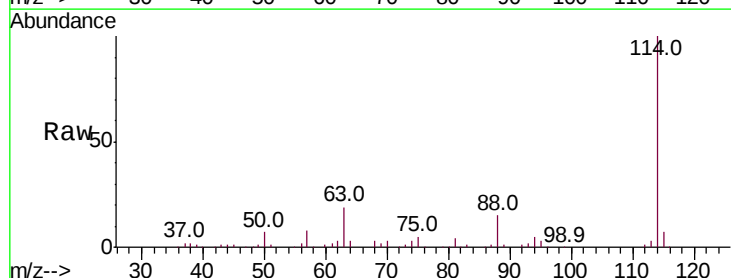
Tgt Ion: 114 Resp: 286356

Ion Ratio Lower Upper

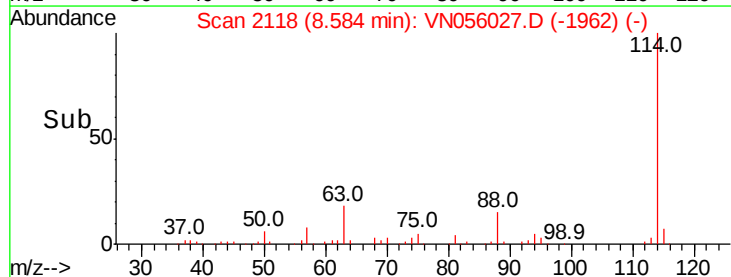
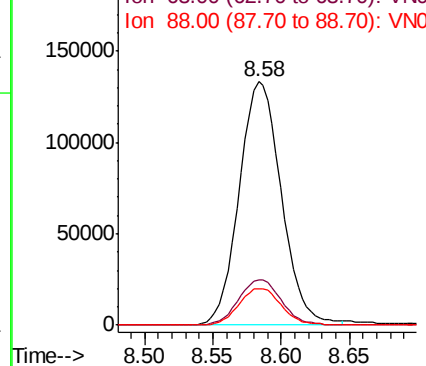
114 100

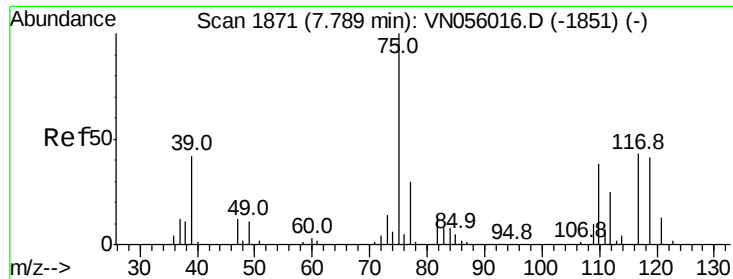
63 18.9 14.7 22.1

88 15.1 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056016.D (-2102) (-)





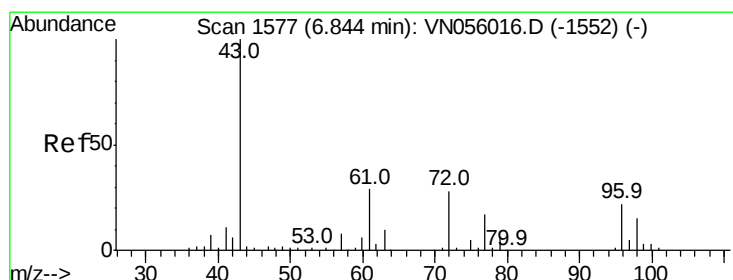
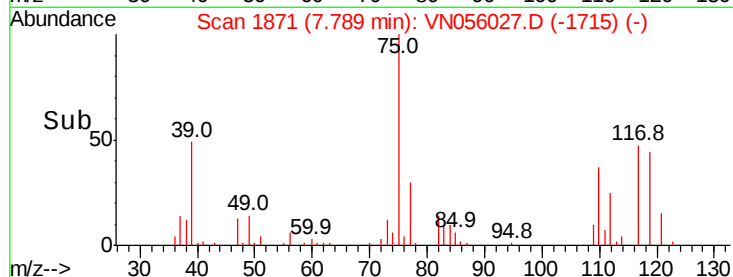
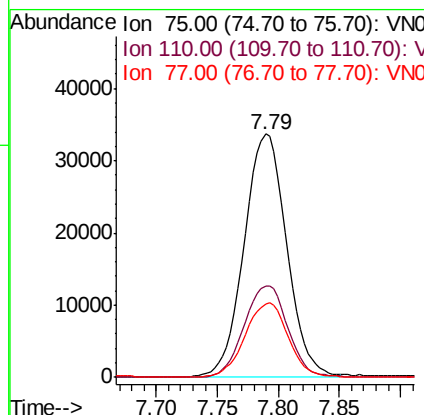
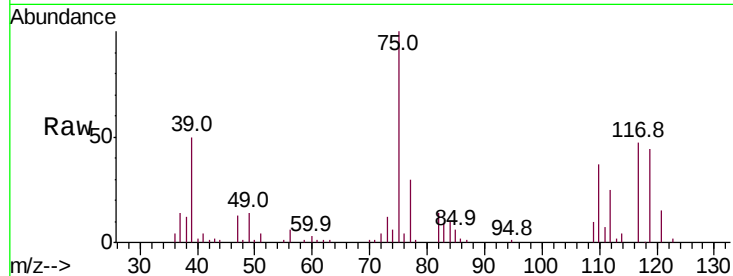
#29
 1,1-Dichloropropene
 Concen: 21.058 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.4	0.0	77.0
77	30.9	0.0	62.4

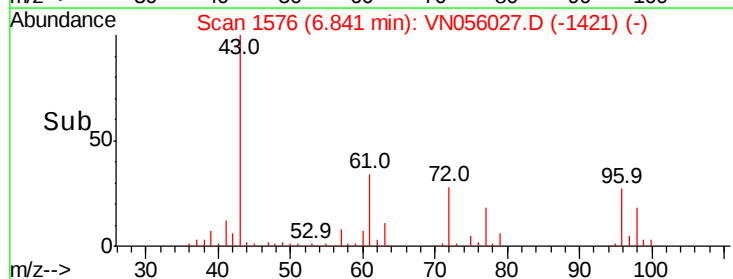
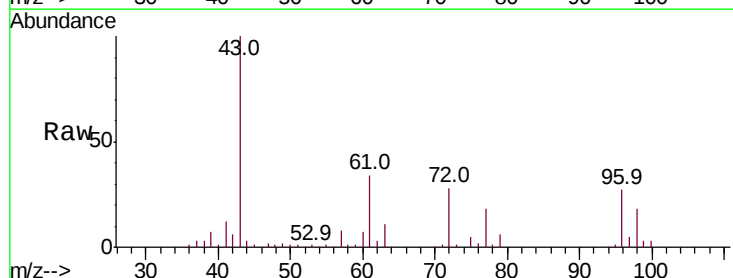
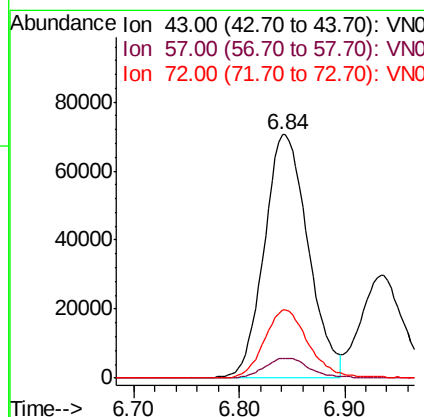
Manual Integrations
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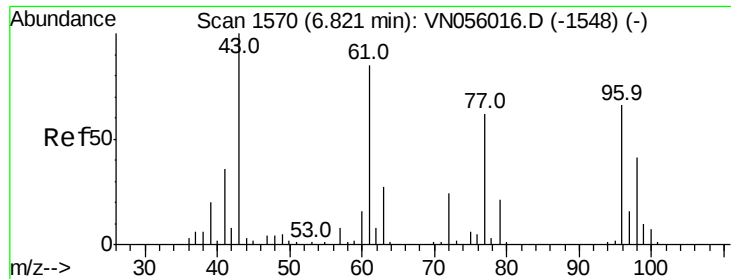
MMDadoda
 6/6/2019 9:04:42 AM



#30
 2-Butanone
 Concen: 100.073 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.7	10.1
72	28.3	22.4	33.6





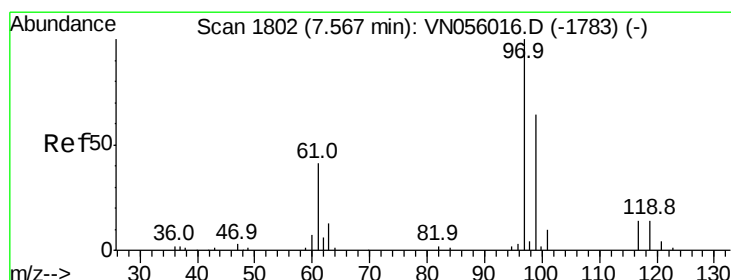
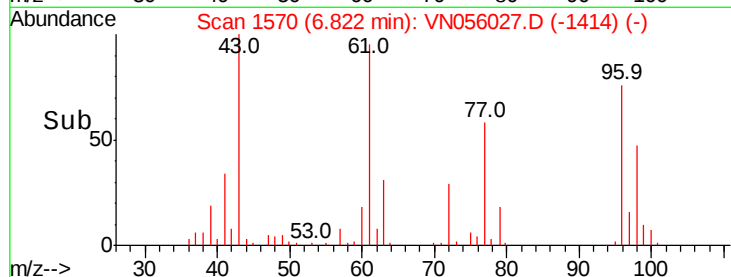
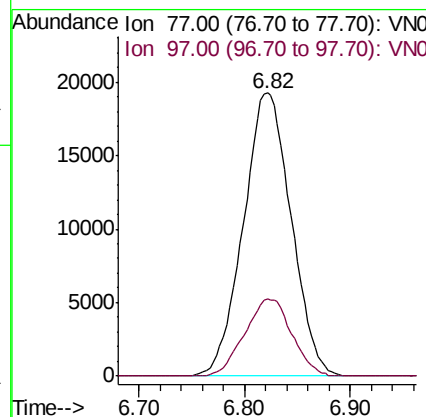
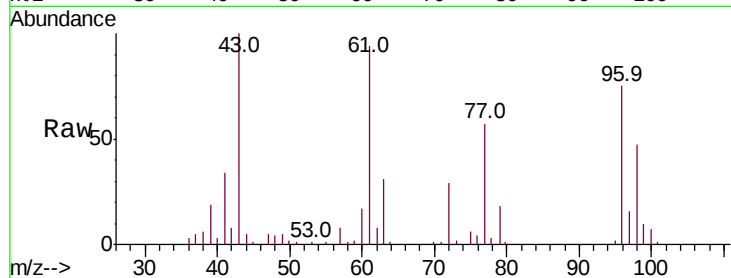
#31
 2,2-Dichloropropane
 Concen: 16.859 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBSD01

Tot Ion: 77 Resp: 60751
 Ion Ratio Lower Upper
 77 100
 97 26.8 20.8 31.2

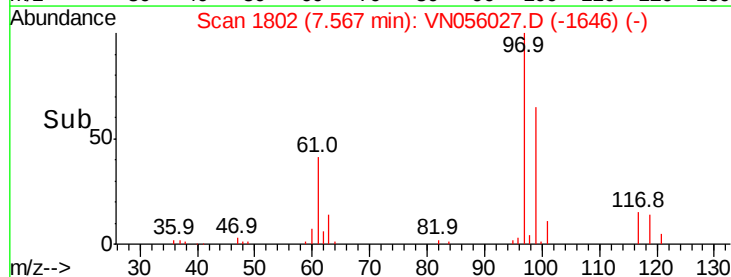
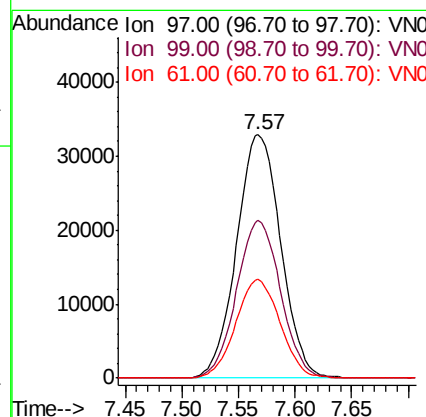
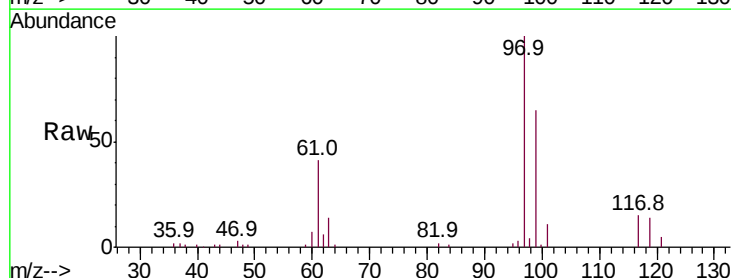
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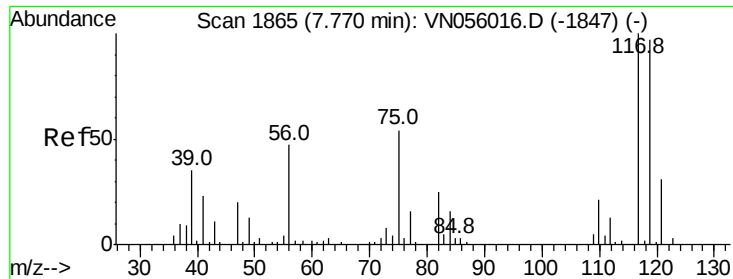
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#32
 1,1,1-Trichloroethane
 Concen: 20.943 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 97 Resp: 89627
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 40.6 32.9 49.3





#33

Carbon Tetrachloride

Concen: 20.092 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

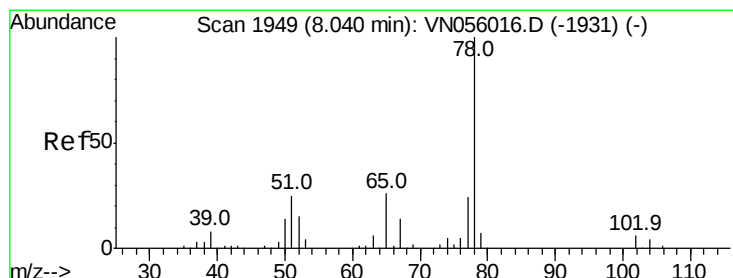
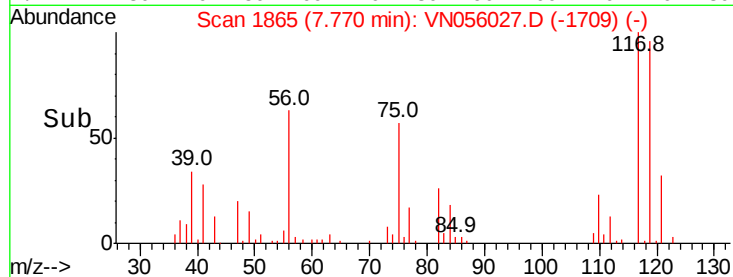
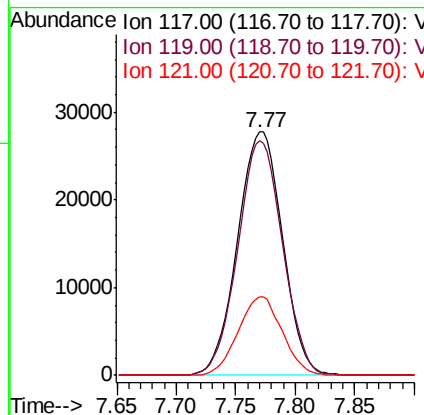
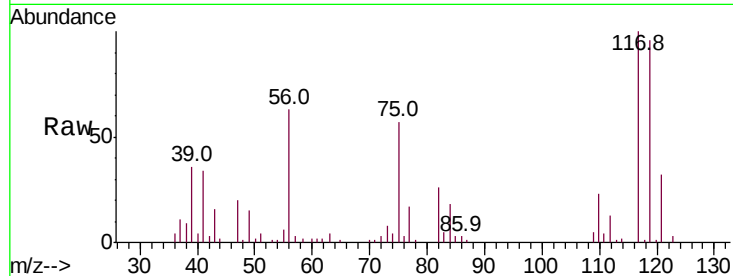
ClientSampled :

VN0606WBSD01

Tot Ion:	117	Resp:	72850
Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	32.2	25.0	37.4

Manual Integrations
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6/6/2019 9:04:42 AM



#34

Benzene

Concen: 21.285 ug/l

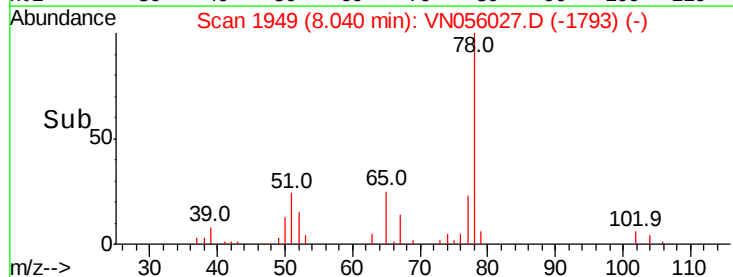
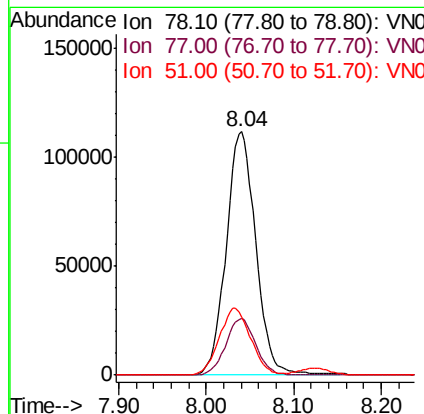
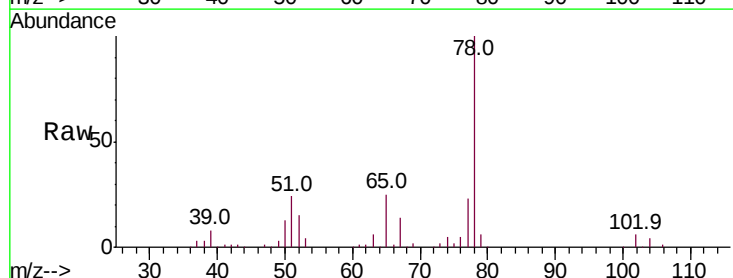
RT: 8.04 min Scan# 1949

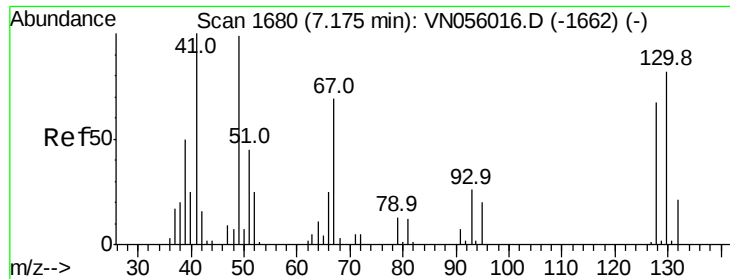
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion:	78	Resp:	262688
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9
51	23.7	19.8	29.8





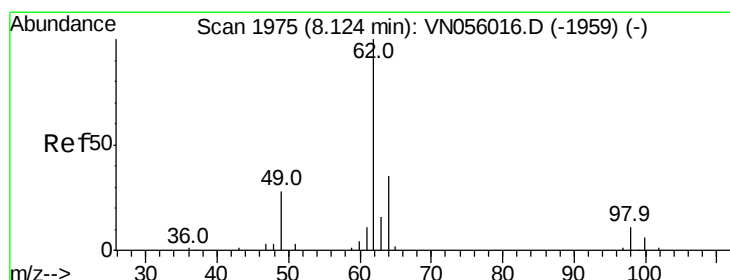
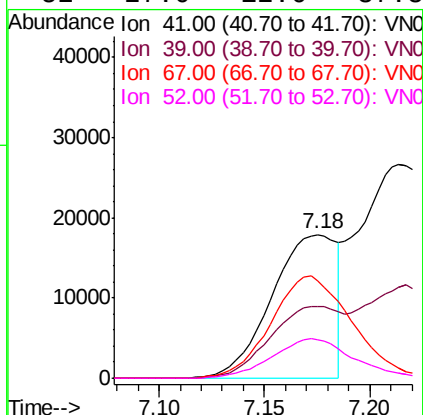
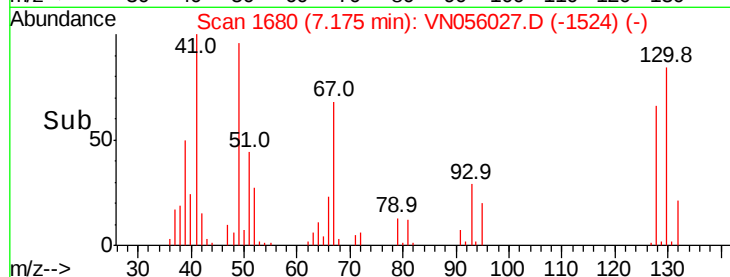
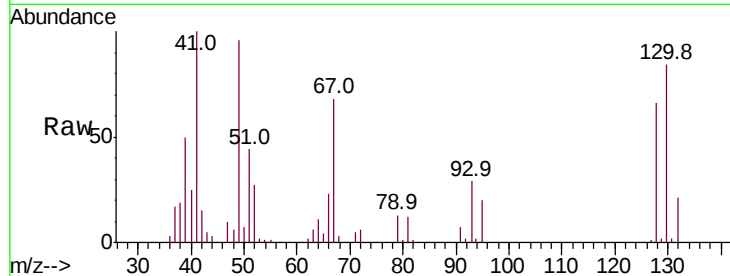
#35
Methacrylonitrile
Concen: 22.280 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion: 41 Resp: 38365
Ion Ratio Lower Upper
41 100
39 50.1 24.8 74.3
67 68.1 34.3 102.9
52 27.0 12.6 37.8

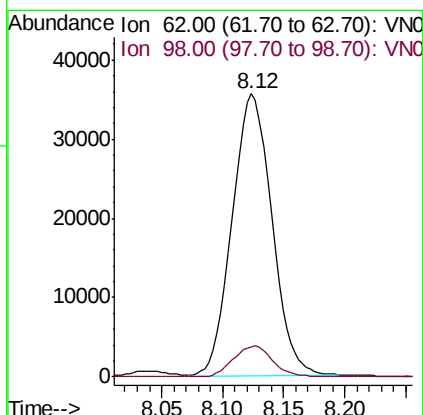
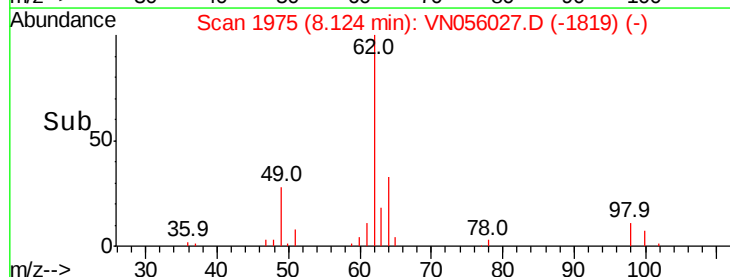
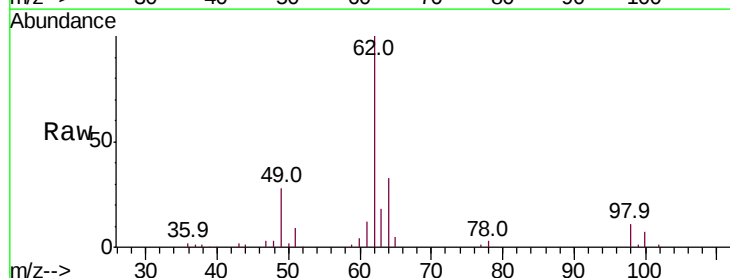
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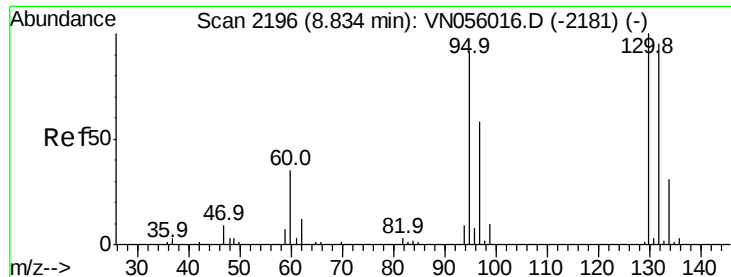
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#36
1,2-Dichloroethane
Concen: 20.849 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 62 Resp: 80596
Ion Ratio Lower Upper
62 100
98 10.8 8.6 13.0





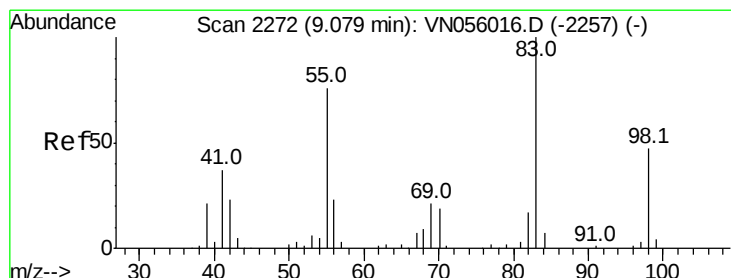
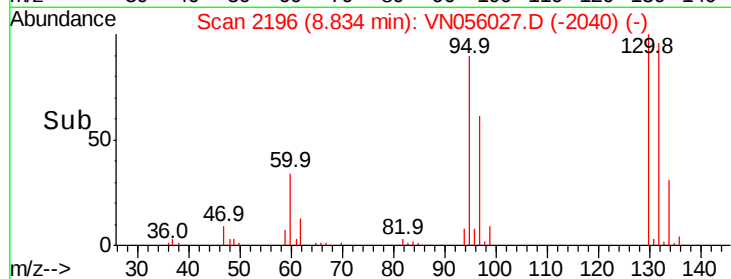
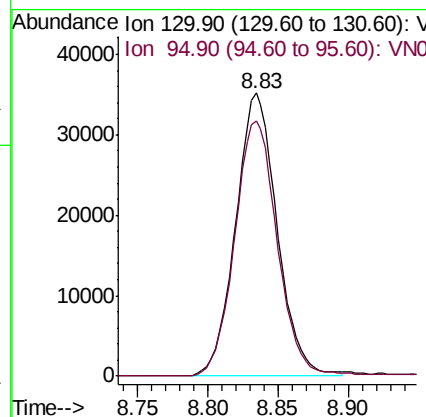
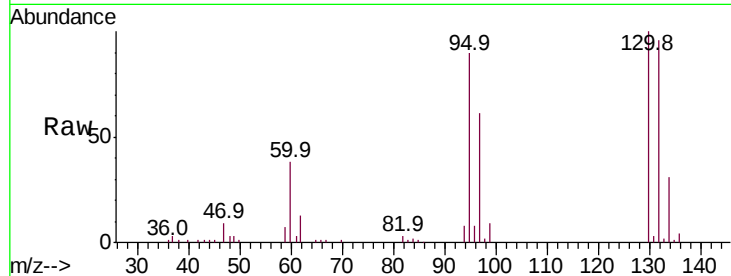
#37
 Trichloroethene
 Concen: 20.929 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion:130 Resp: 72279
 Ion Ratio Lower Upper
 130 100
 95 90.1 73.0 109.6

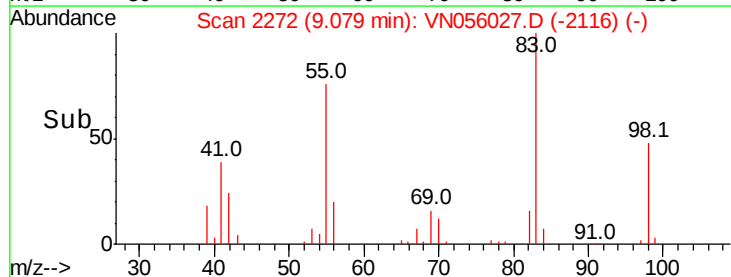
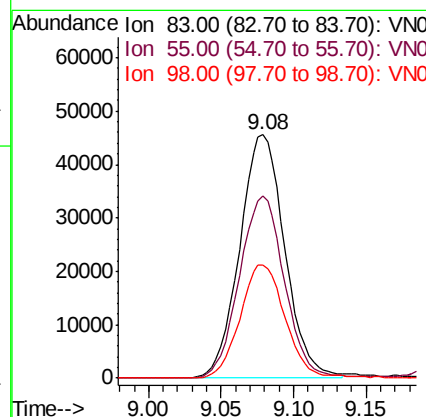
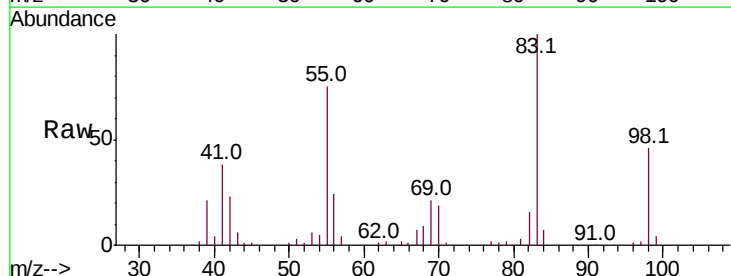
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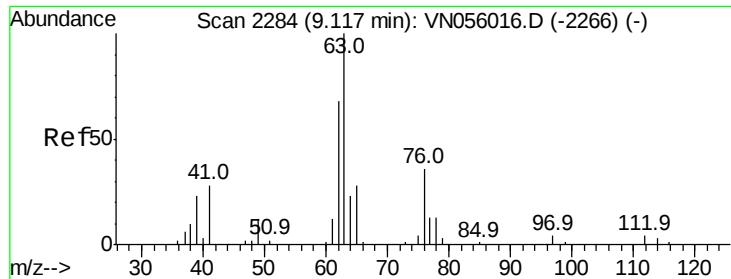
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#38
 Methylcyclohexane
 Concen: 20.049 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 83 Resp: 98454
 Ion Ratio Lower Upper
 83 100
 55 75.0 37.5 112.7
 98 46.6 23.1 69.3





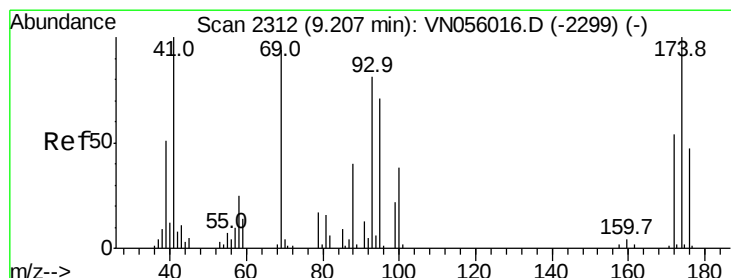
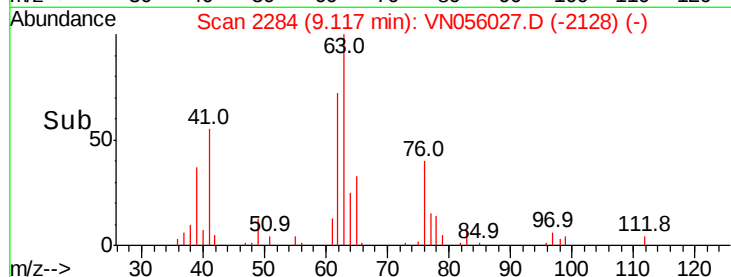
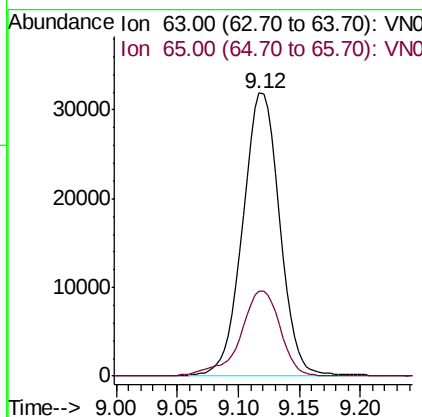
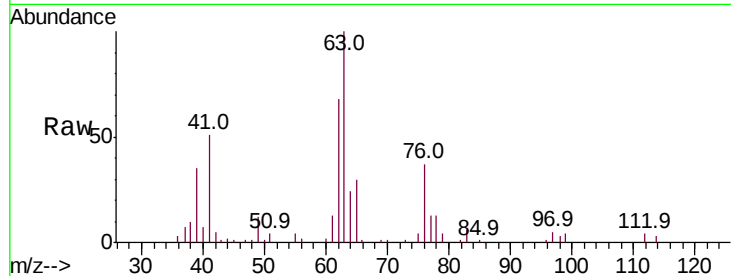
#39
1,2-Dichloropropane
Concen: 21.161 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion: 63 Resp: 66887
Ion Ratio Lower Upper
63 100
65 30.2 23.1 34.7

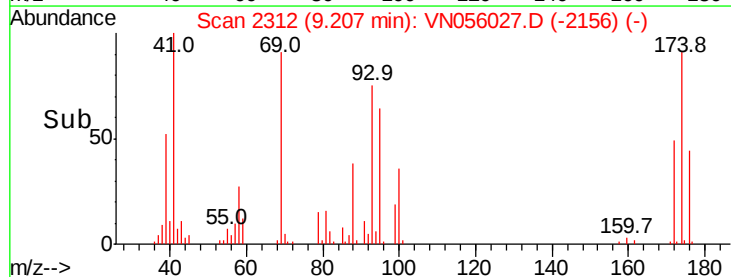
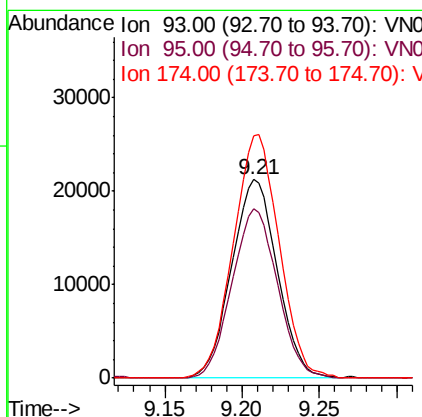
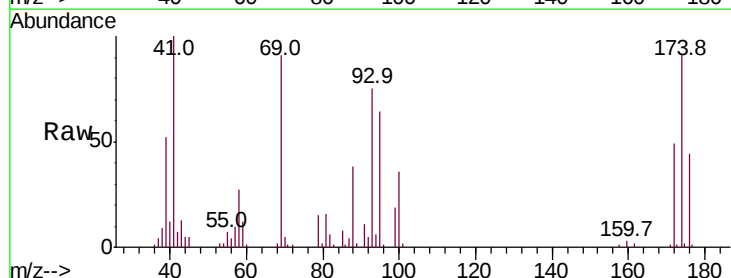
Manual Integrations
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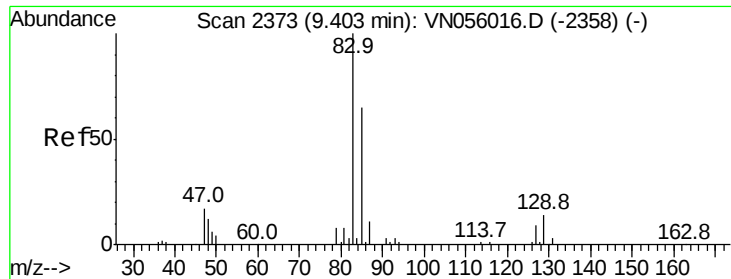
MMDadoda
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#40
Dibromomethane
Concen: 20.795 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 93 Resp: 43582
Ion Ratio Lower Upper
93 100
95 84.8 0.0 169.0
174 123.1 0.0 246.4





#41

Bromodichloromethane

Concen: 20.543 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

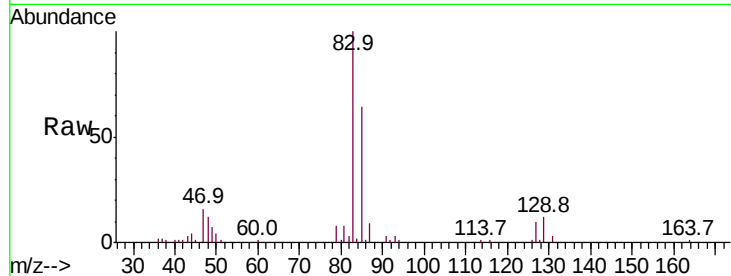
ClientSampleId :

VN0606WBSD01

Tot Ion:	83	Resp:	77095
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	10.7	7.3	10.9

Manual Integrations
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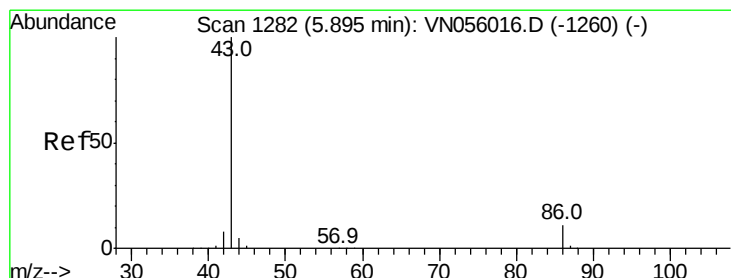
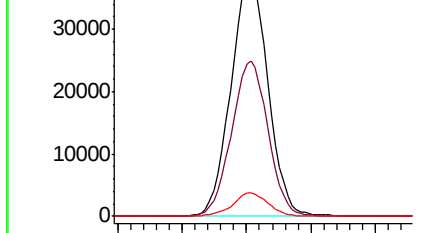
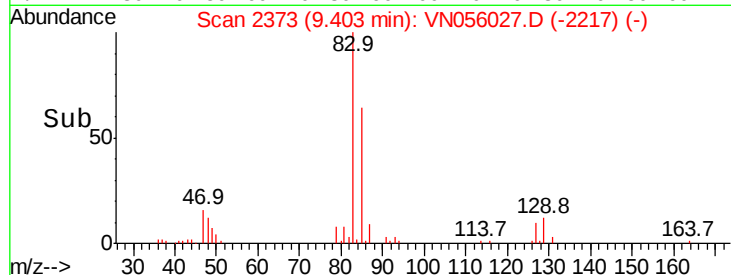


Abundance Ion 83.00 (82.70 to 83.70): VN056016.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN056016.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN056016.D (-2358) (-)

Time--> 9.30 9.35 9.40 9.45 9.50



#42

Vinyl Acetate

Concen: 104.071 ug/l

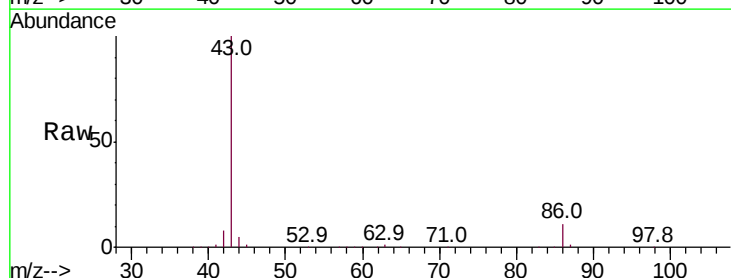
RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

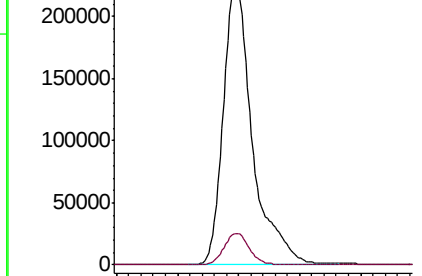
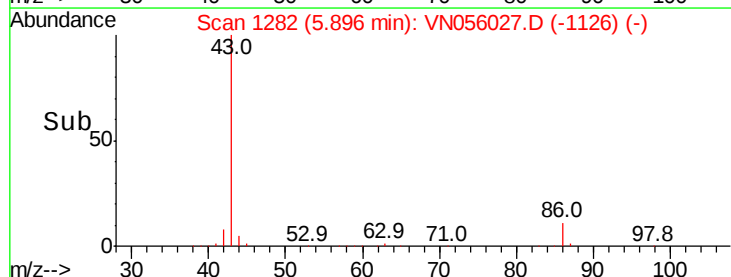
Tgt Ion:	43	Resp:	756594
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.9	11.9

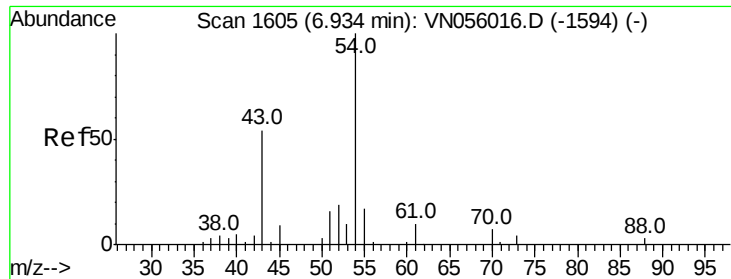


Abundance Ion 43.00 (42.70 to 43.70): VN056016.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN056016.D (-1260) (-)

Time--> 5.70 5.80 5.90 6.00 6.10





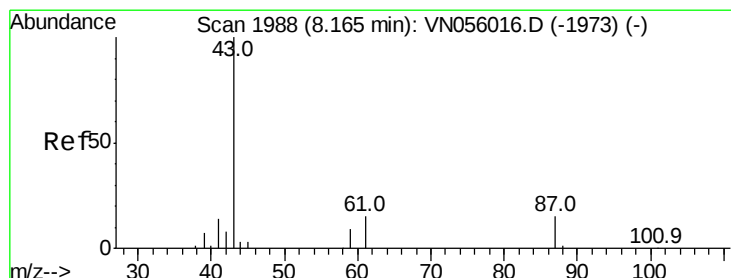
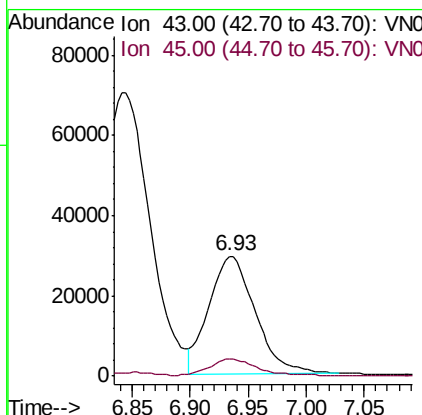
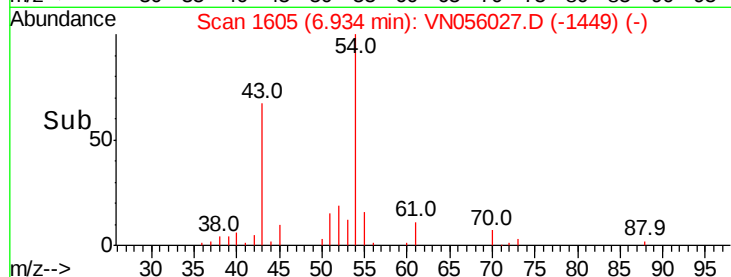
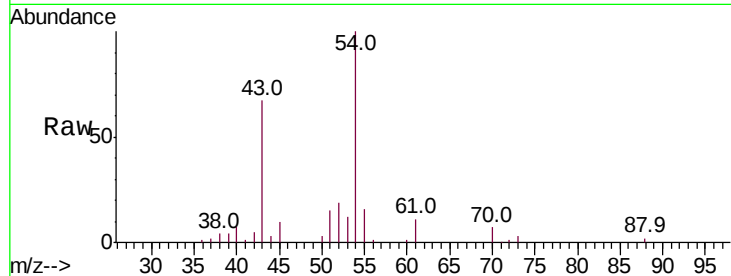
#43
Ethyl Acetate
Concen: 21.030 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion: 43 Resp: 82071
Ion Ratio Lower Upper
43 100
45 13.3 12.3 18.5

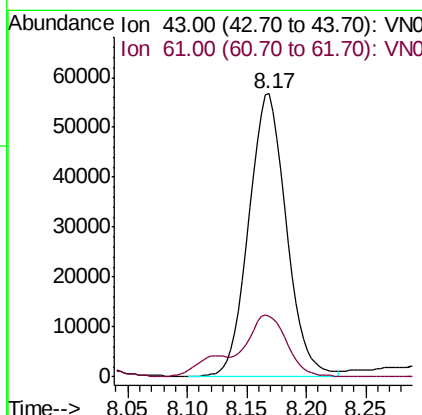
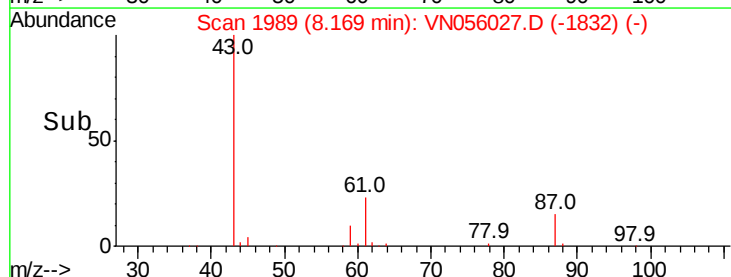
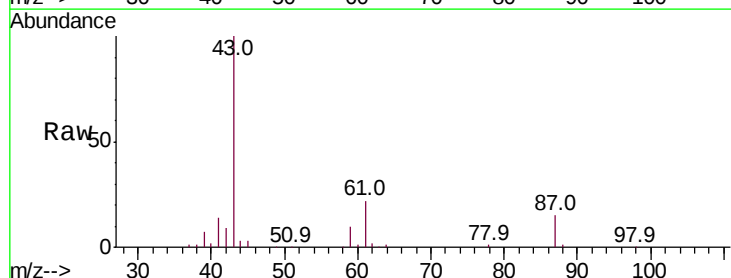
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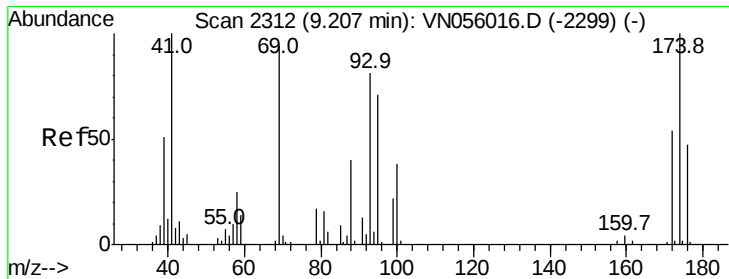
MMDadoda
6/6/2019 9:04:42 AM



#44
Isopropyl Acetate
Concen: 20.395 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 43 Resp: 123584
Ion Ratio Lower Upper
43 100
61 22.1 16.9 25.3





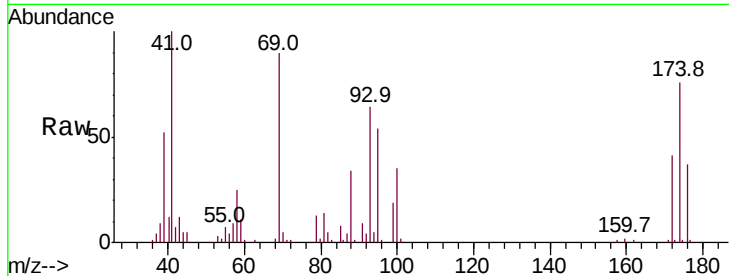
#45
1,4-Dioxane
Concen: 399.070 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

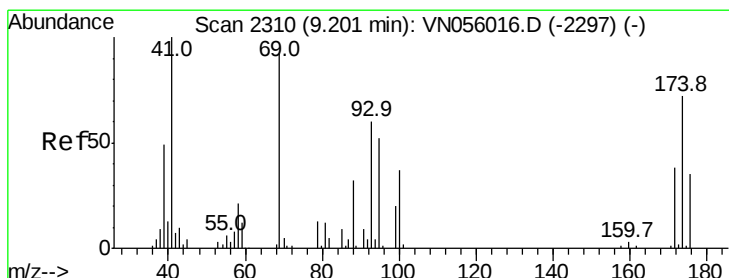
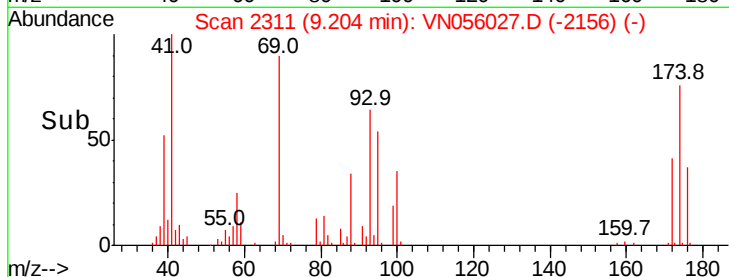
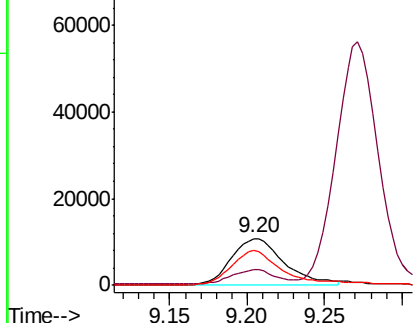
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	19.8	29.6
58	73.3	48.5	72.7#

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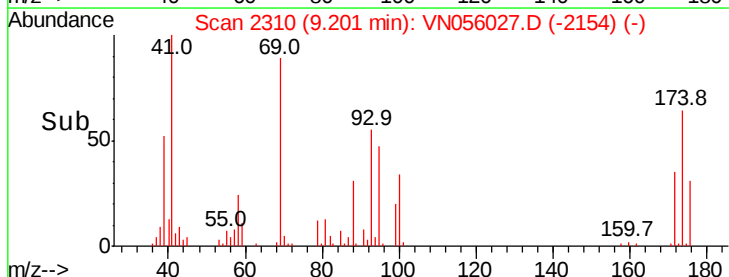
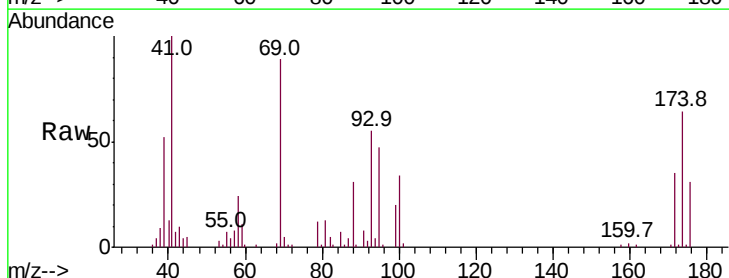
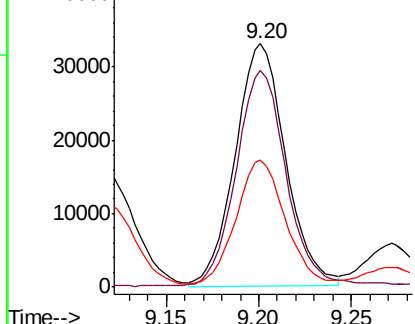
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

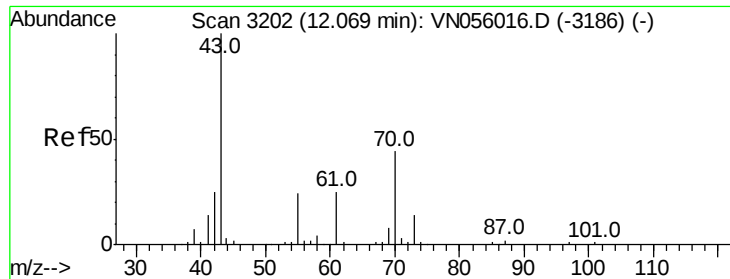


#46
Methyl methacrylate
Concen: 20.848 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.6	46.0	137.8
39	51.7	24.6	73.8

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





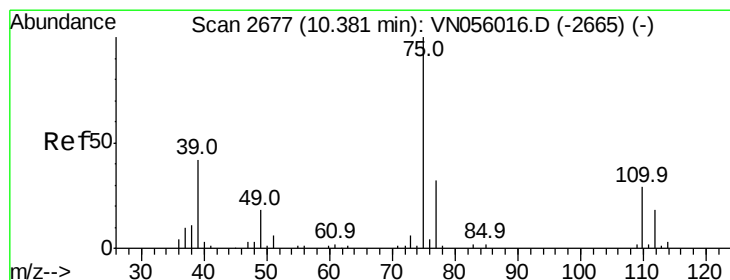
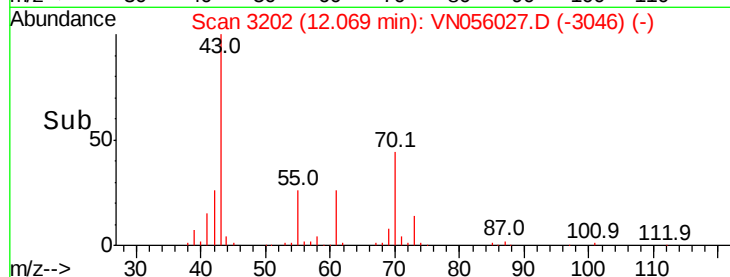
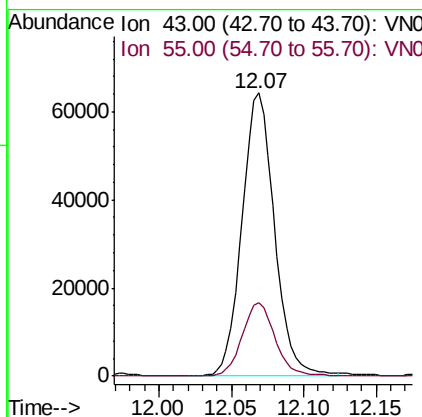
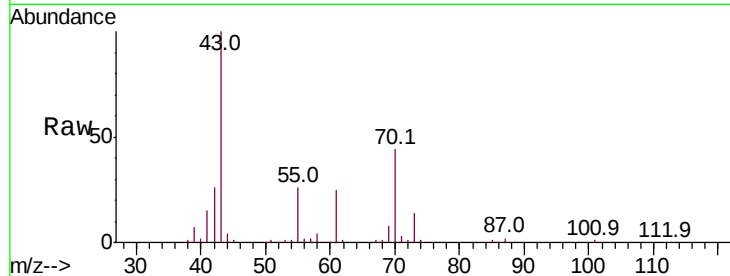
#47
n-amvl Acetate
Concen: 19.911 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion: 43 Resp: 99778
Ion Ratio Lower Upper
43 100
55 26.4 19.0 28.6

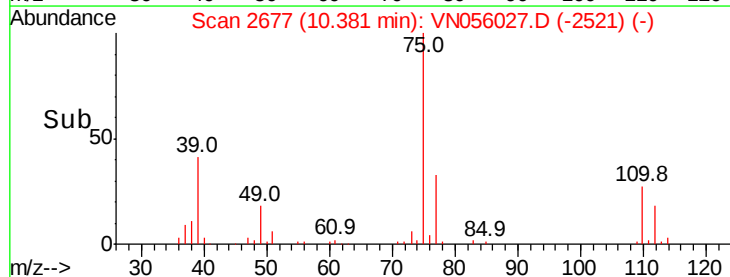
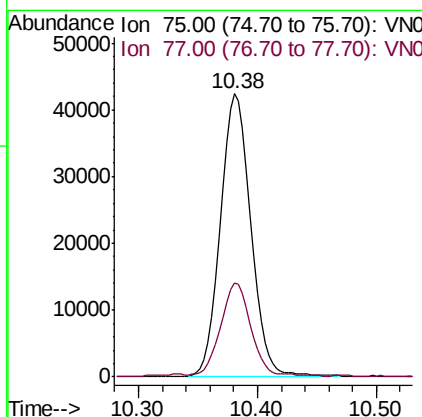
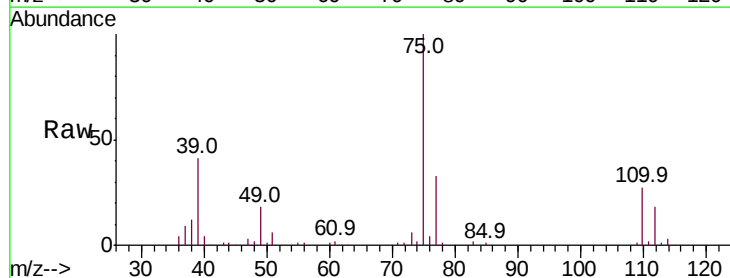
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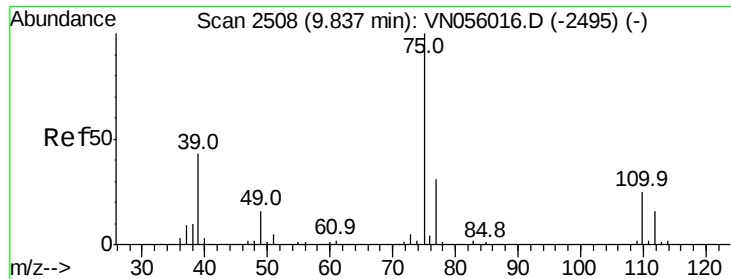
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#48
t-1,3-Dichloropropene
Concen: 19.107 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 75 Resp: 75460
Ion Ratio Lower Upper
75 100
77 32.7 26.0 39.0





#49

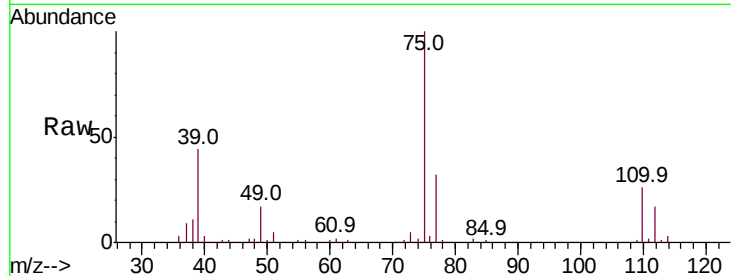
cis-1,3-Dichloropropene
 Concen: 19.443 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	44.0	34.3	51.5

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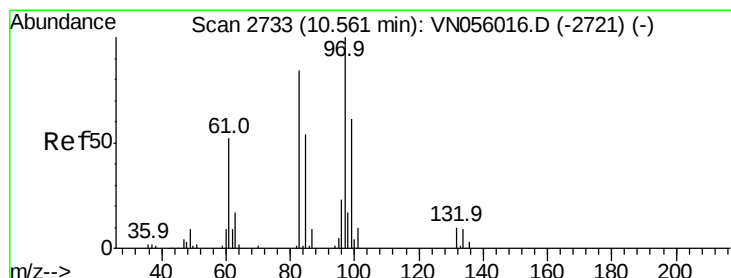
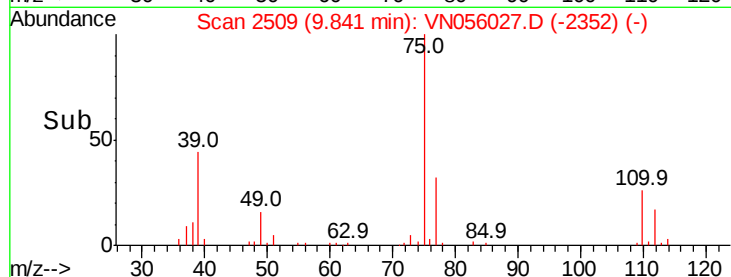
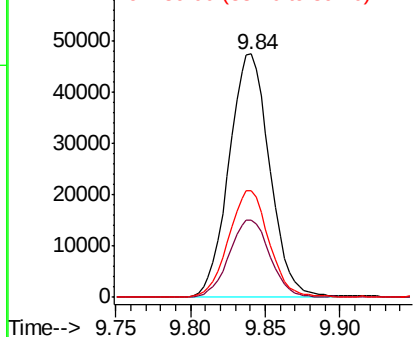


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
 Concen: 21.175 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.9	100.3
85	55.1	43.3	64.9
99	61.2	48.6	73.0

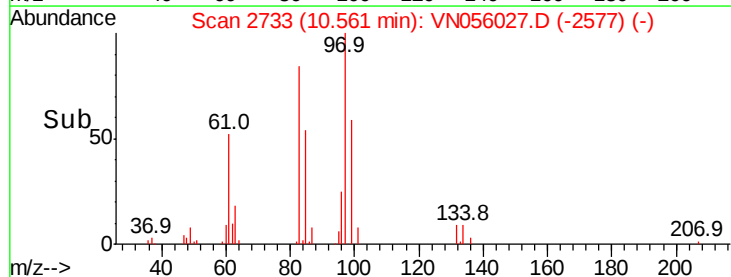
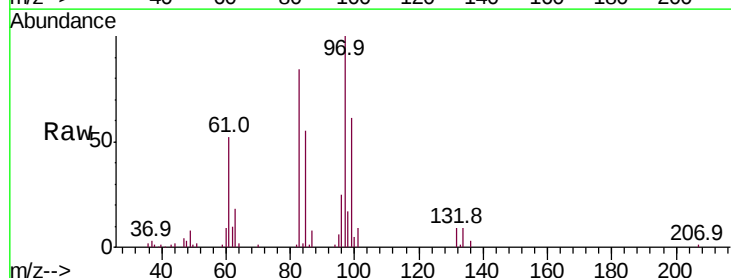
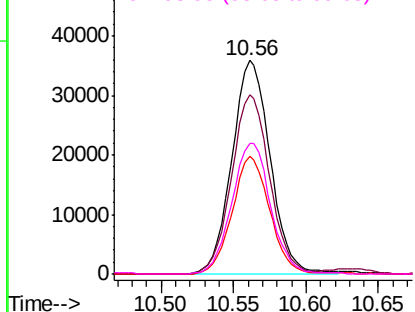
Abundance

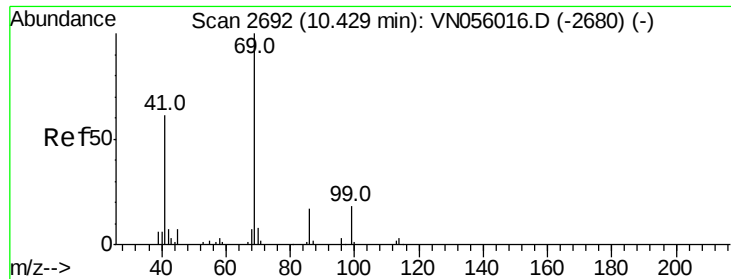
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 20.230 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

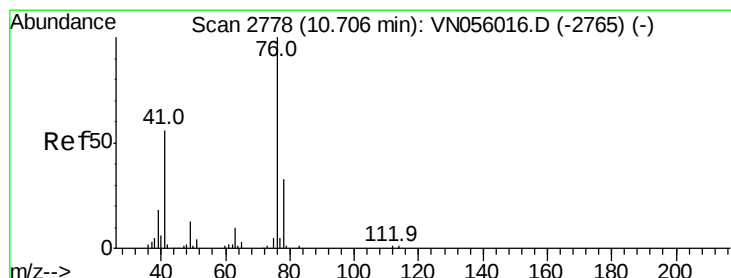
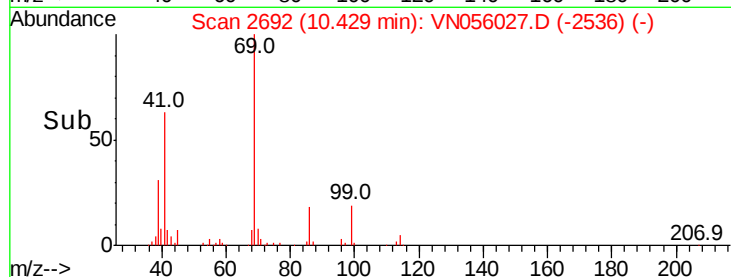
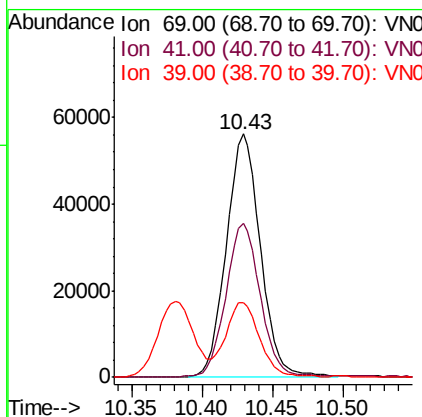
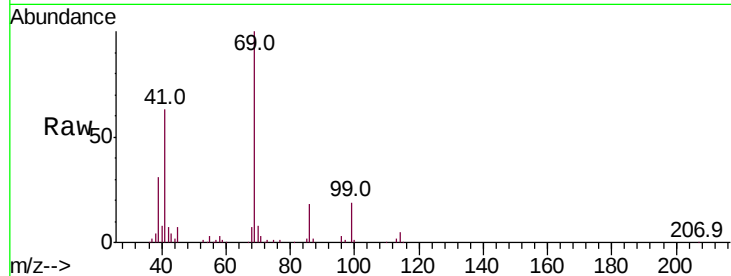
ClientSampled :

VN0606WBSD01

Tot Ion:	69	Resp:	95273
Ion	Ratio	Lower	Upper
69	100		
41	62.8	30.8	92.3
39	30.4	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 20.957 ug/l

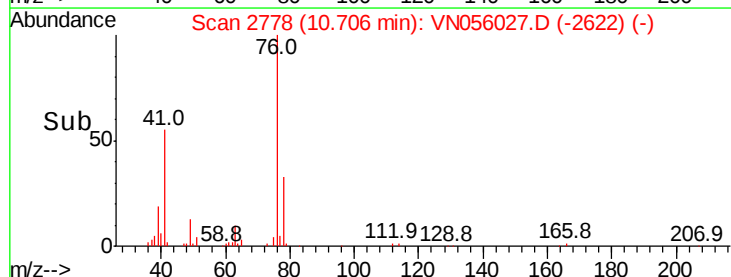
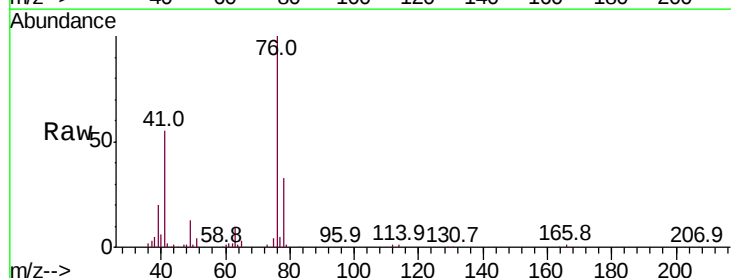
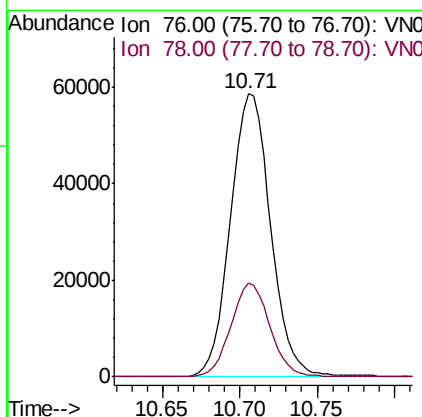
RT: 10.71 min Scan# 2778

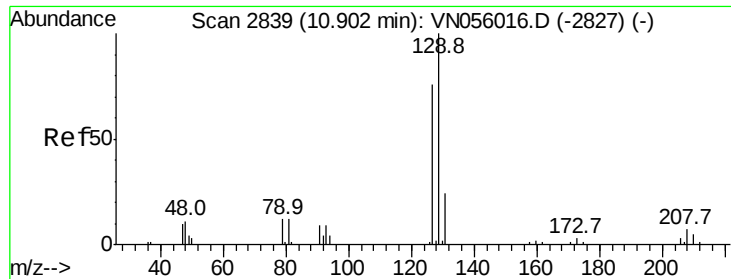
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion:	76	Resp:	105759
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4





#53

Dibromochloromethane

Concen: 19.674 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

Tot Ion:129 Resp: 59952

Ion Ratio Lower Upper

129 100

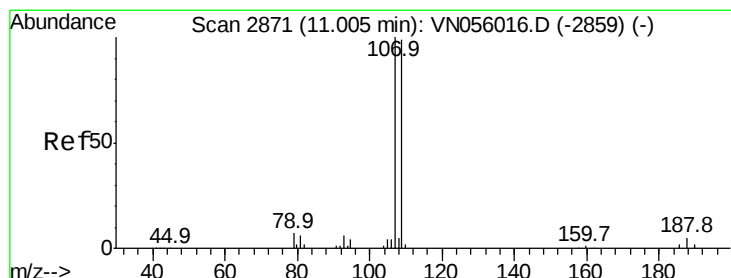
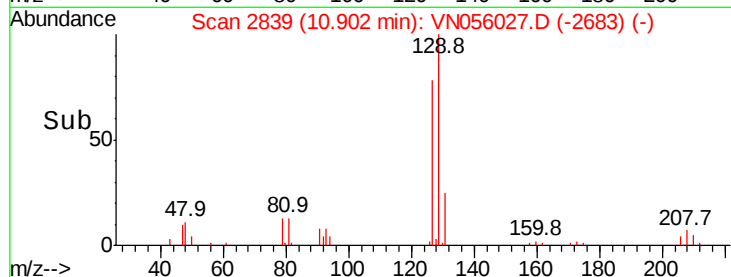
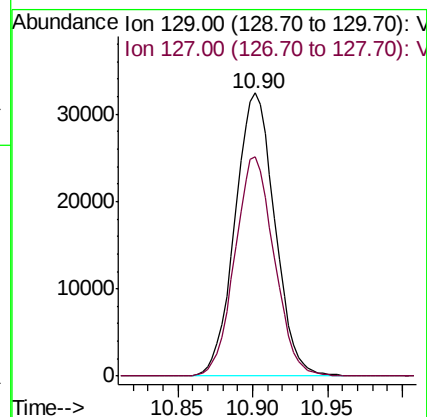
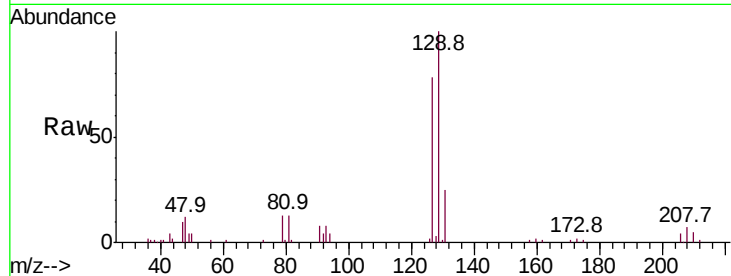
127 76.6 39.1 117.5

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#54

1,2-Dibromoethane

Concen: 20.772 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056027.D

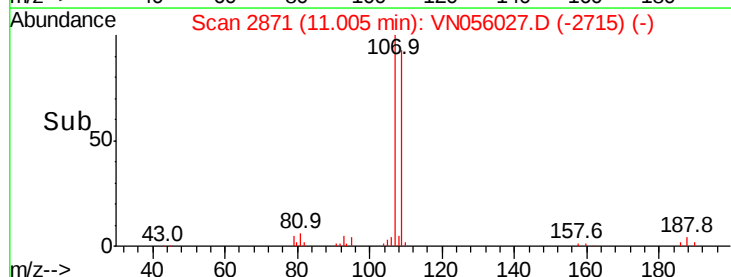
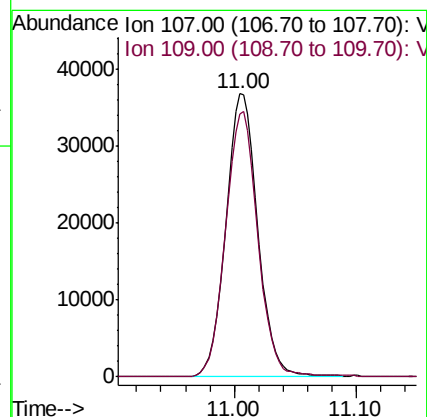
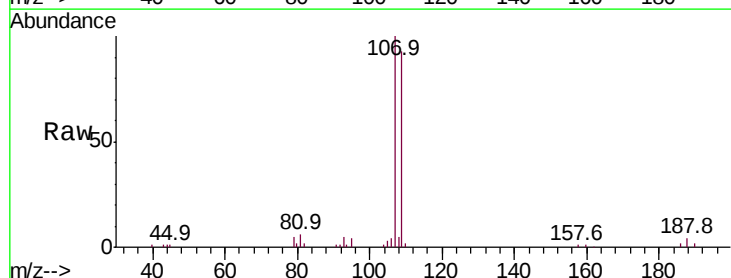
Acq: 6 Jun 2019 00:43

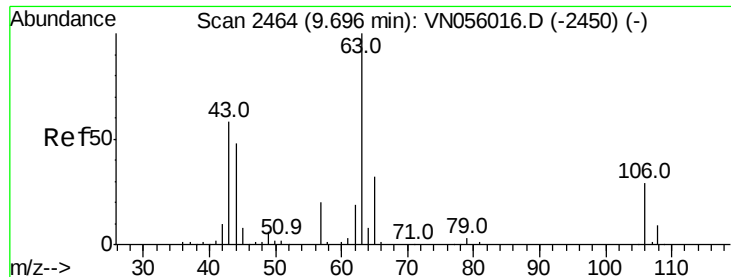
Tgt Ion:107 Resp: 67475

Ion Ratio Lower Upper

107 100

109 94.6 76.8 115.2





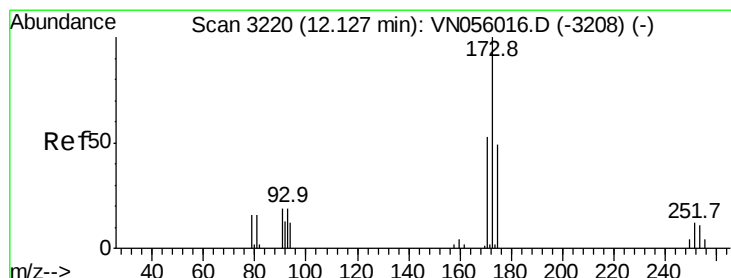
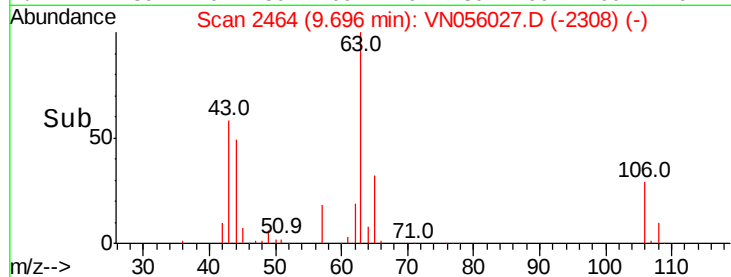
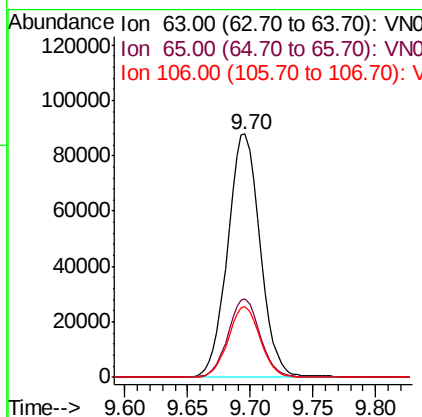
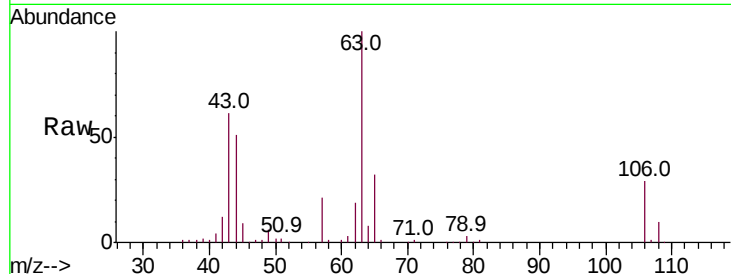
#55
 2-Chloroethyl vinyl ether
 Concen: 95.909 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	28.5	23.0	34.4

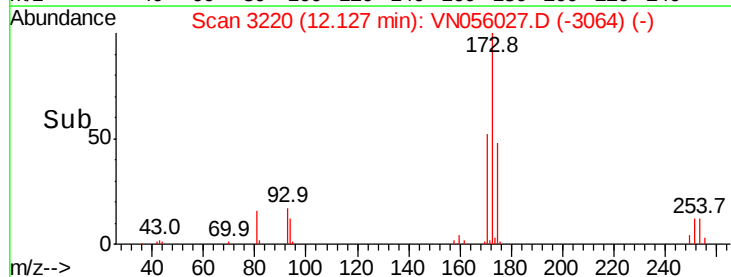
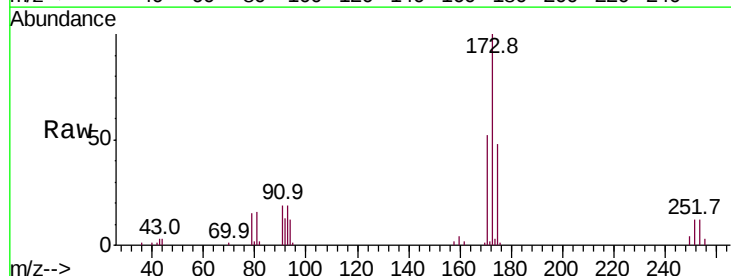
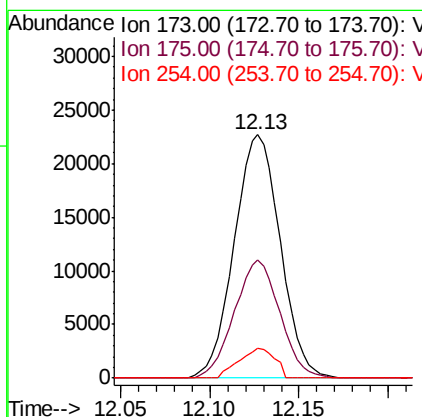
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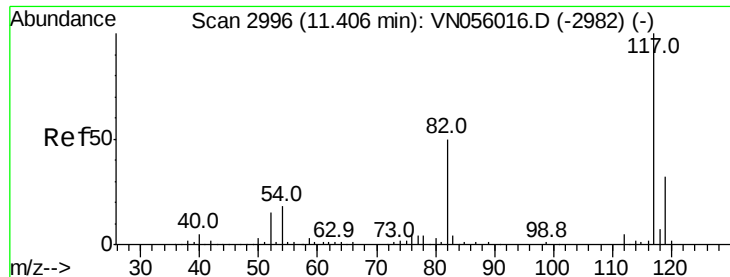
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#56
 Bromoform
 Concen: 18.562 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.7	58.1
254	9.6	6.6	9.8





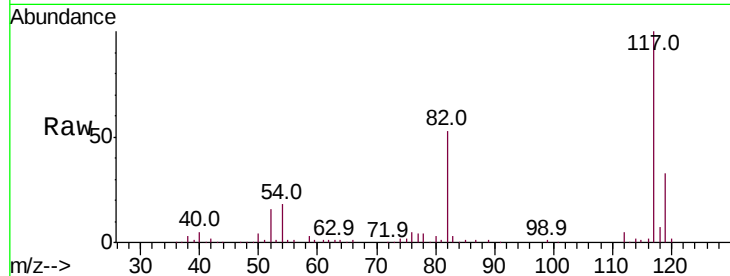
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.2	61.8
119	32.3	26.2	39.2

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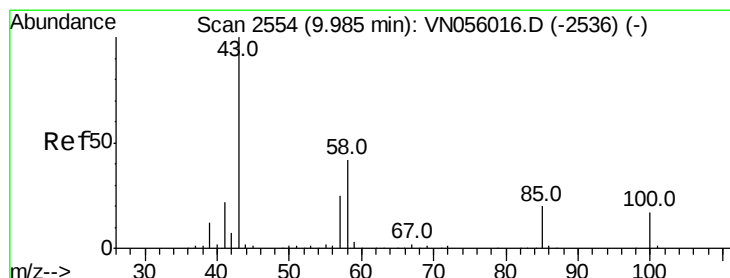
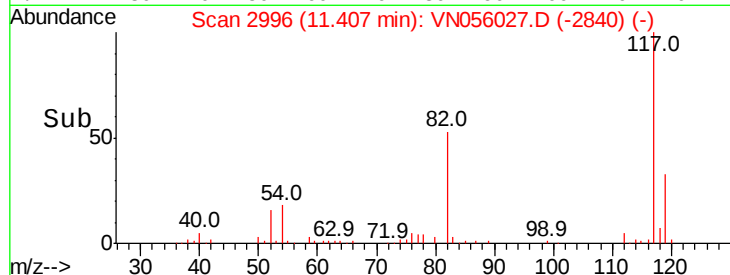
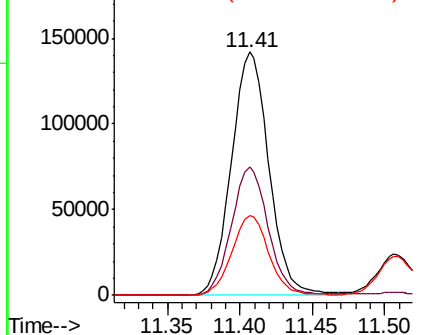


Abundance

Ion 117.00 (116.70 to 117.70): V

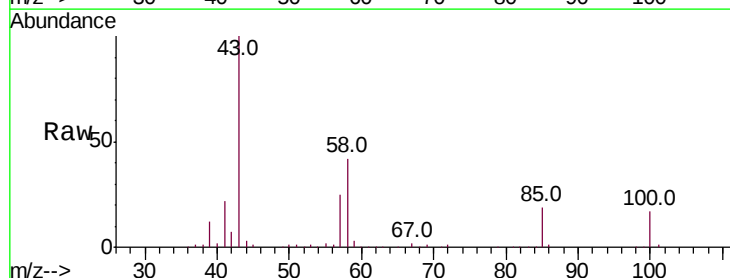
Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 104.280 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	33.1	49.7
85	19.4	15.5	23.3

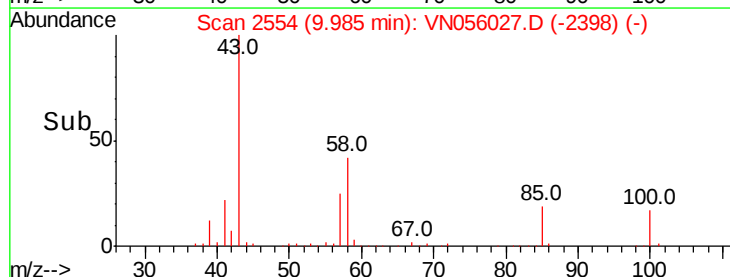
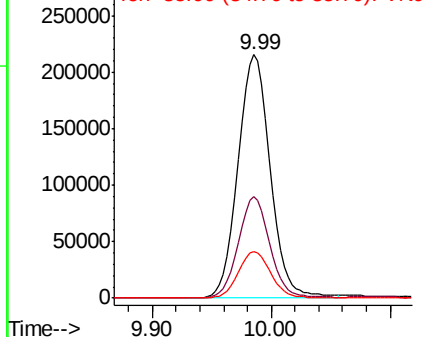


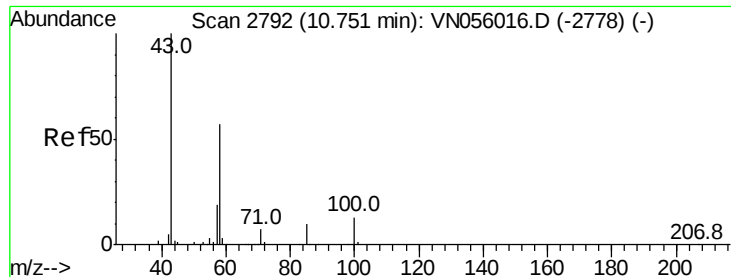
Abundance

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN





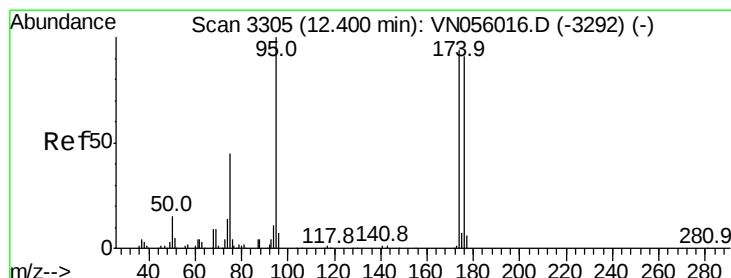
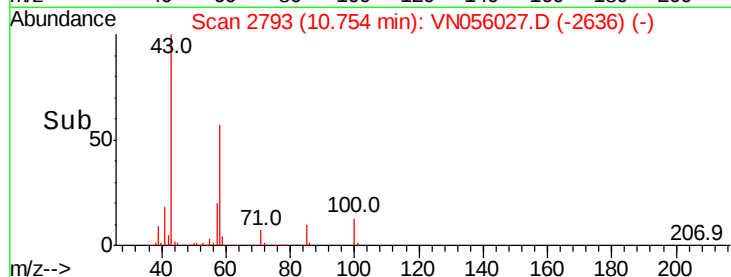
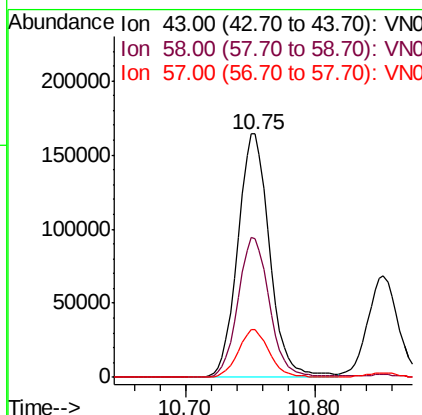
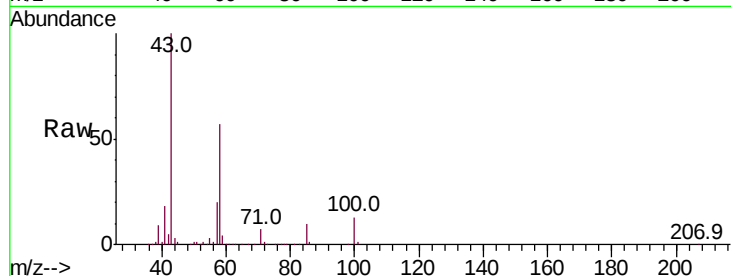
#59
2-Hexanone
Concen: 102.251 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.3	67.9
57	19.3	15.6	23.4

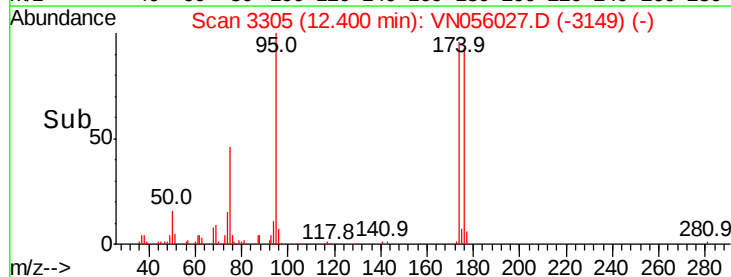
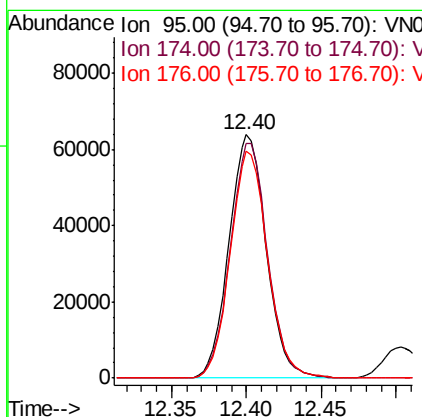
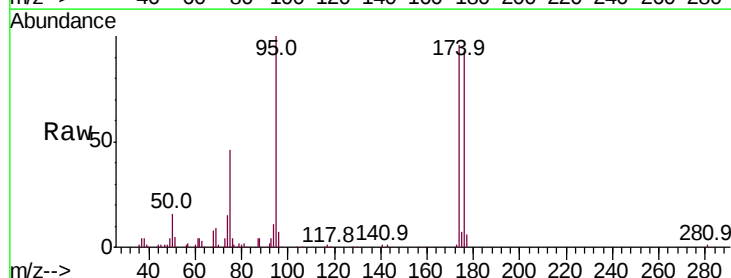
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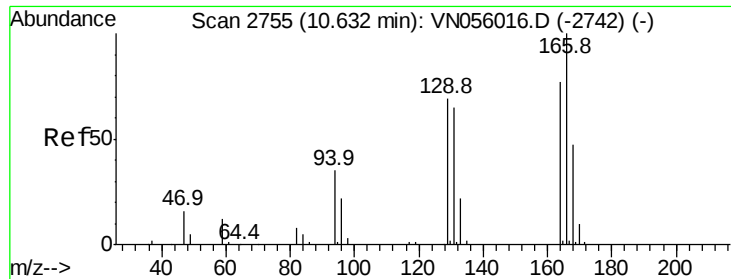
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.219 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.4	75.4	113.0
176	93.2	73.9	110.9





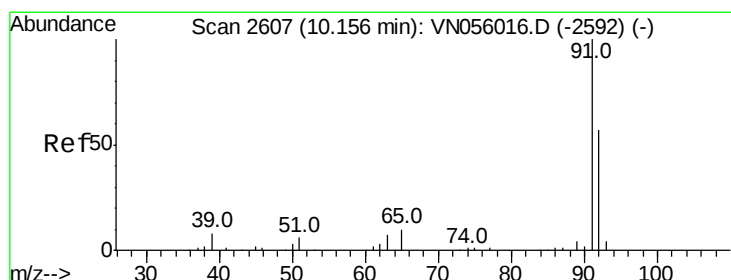
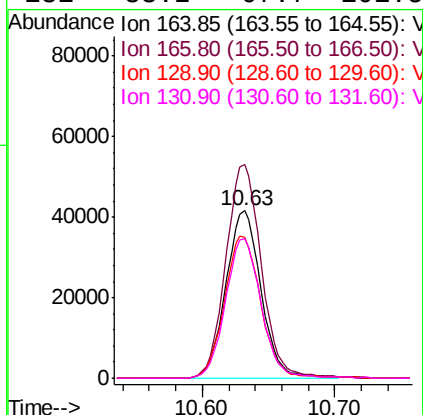
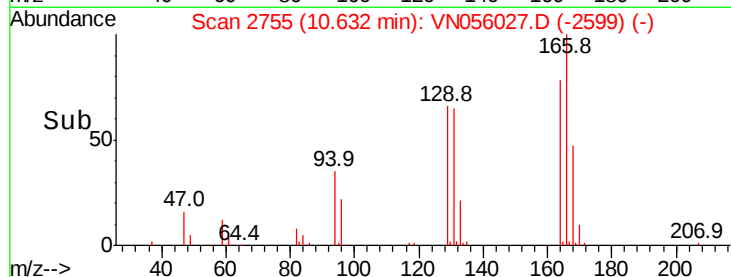
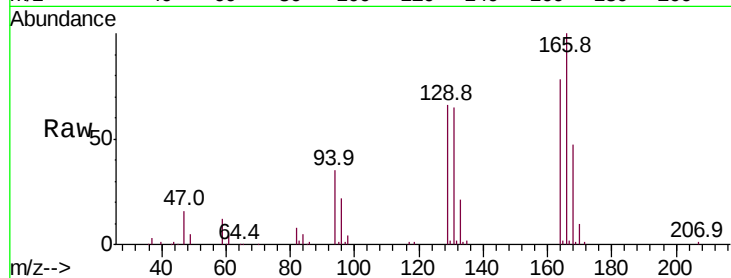
#61
Tetrachloroethene
Concen: 21.536 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion:164 Resp: 76769
Ion Ratio Lower Upper
164 100
166 127.7 104.3 156.5
129 83.9 71.5 107.3
131 83.2 67.7 101.5

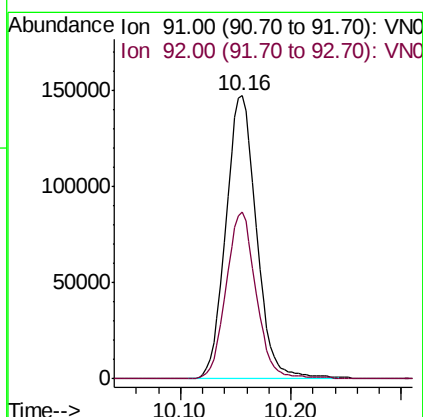
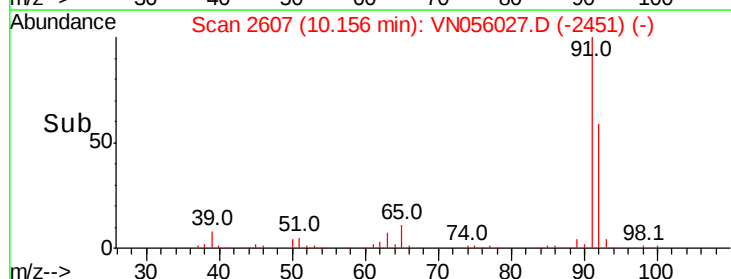
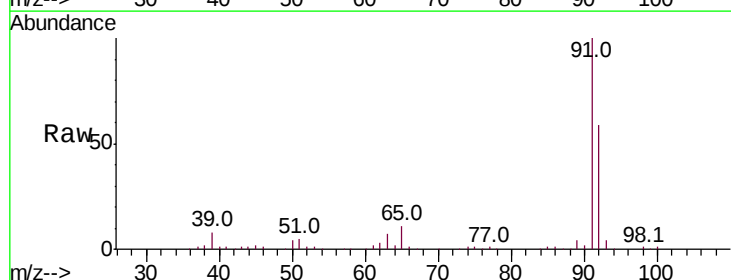
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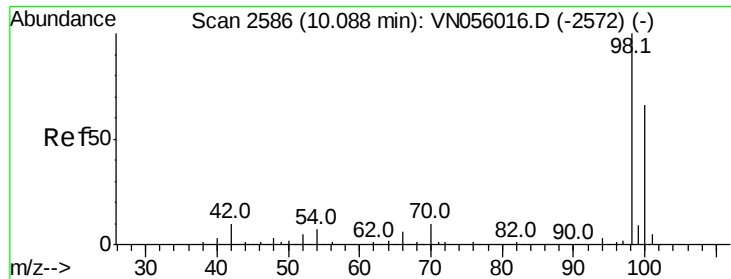
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#62
Toluene
Concen: 20.656 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 91 Resp: 285204
Ion Ratio Lower Upper
91 100
92 57.9 45.5 68.3





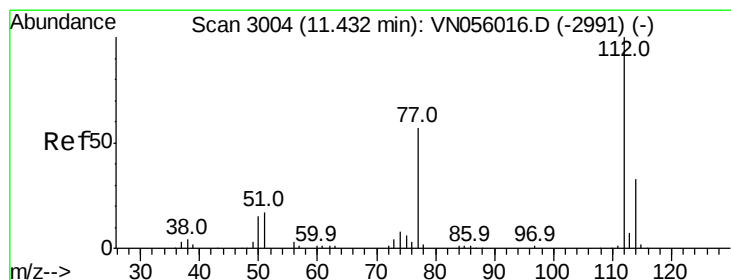
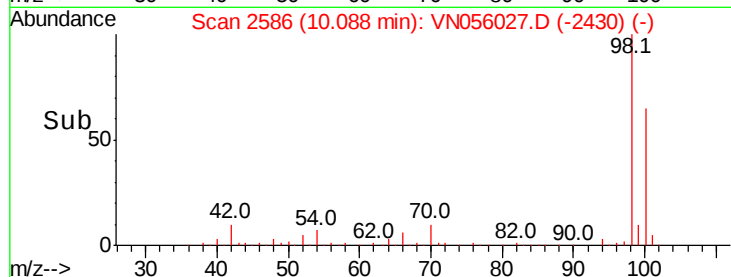
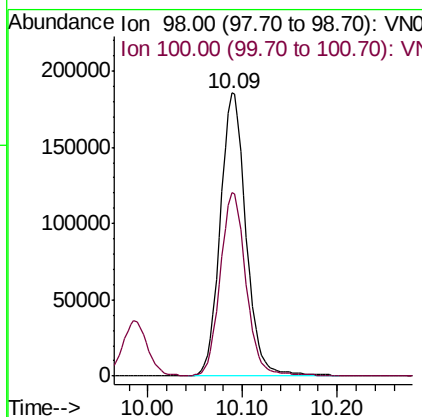
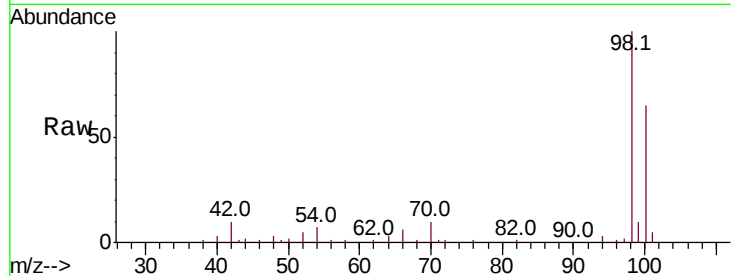
#63
Toluene-d8
Concen: 30.302 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion: 98 Resp: 351571
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

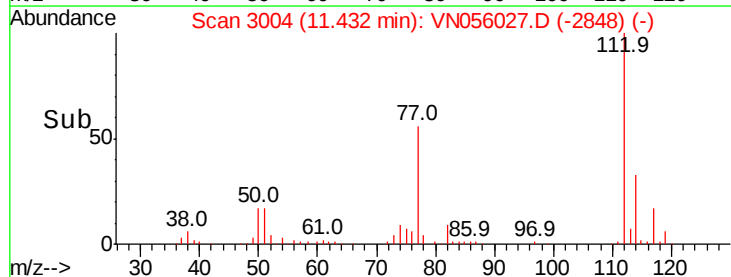
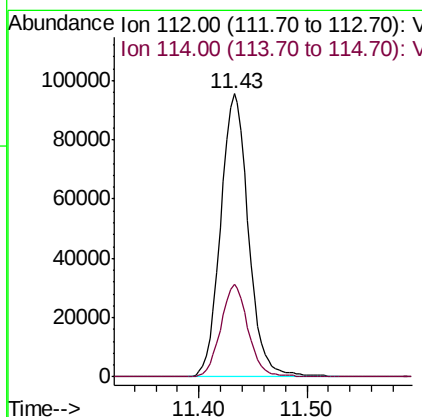
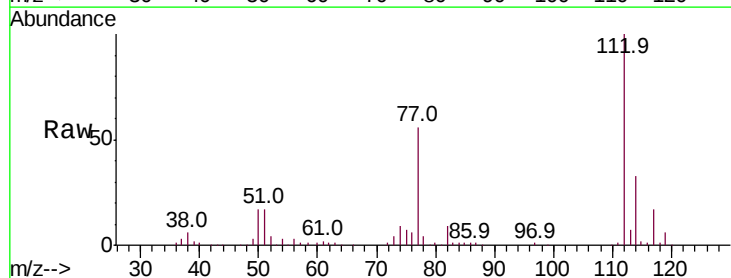
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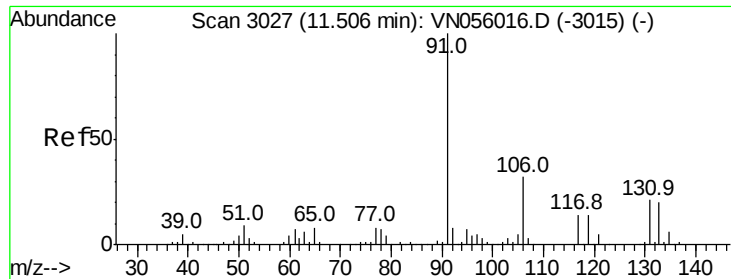
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#64
Chlorobenzene
Concen: 20.558 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 112 Resp: 172169
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.216 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

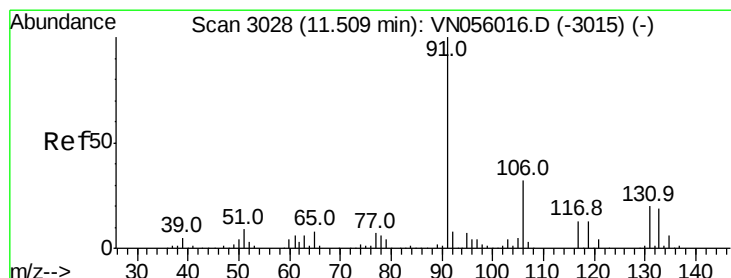
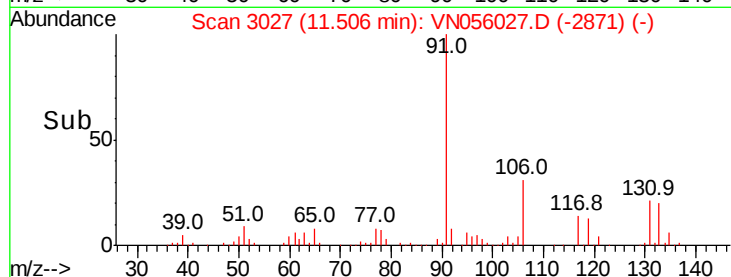
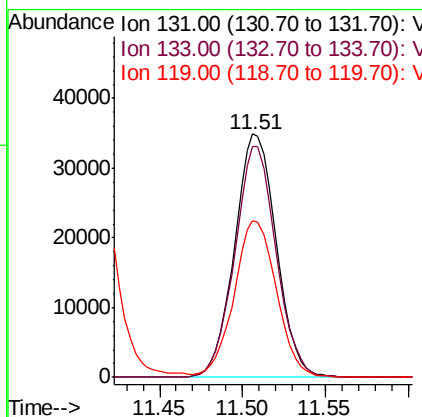
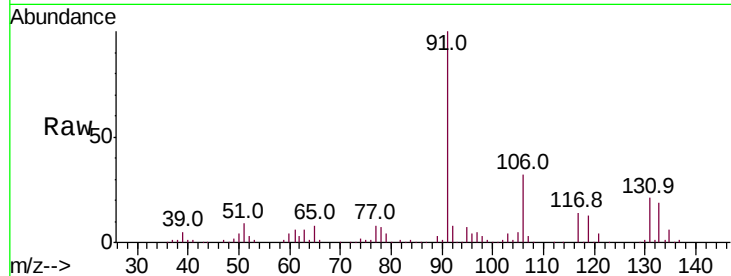
ClientSampleId :

VN0606WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	61051		
133	94.1	0.0	193.8	
119	65.6	0.0	134.4	

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#66

Ethyl Benzene

Concen: 20.640 ug/l

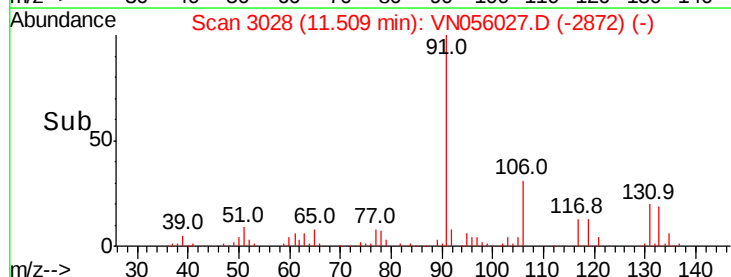
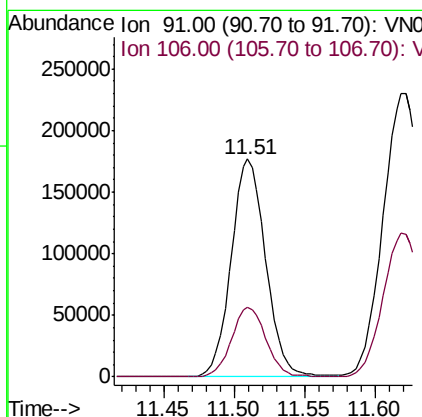
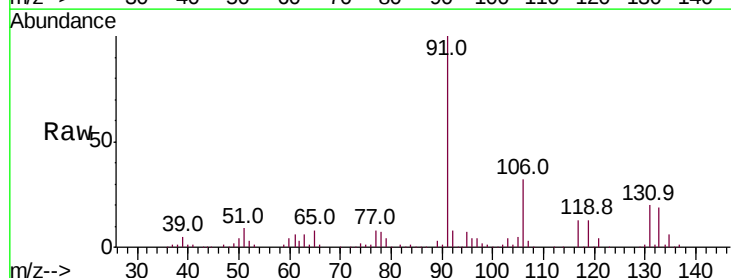
RT: 11.51 min Scan# 3028

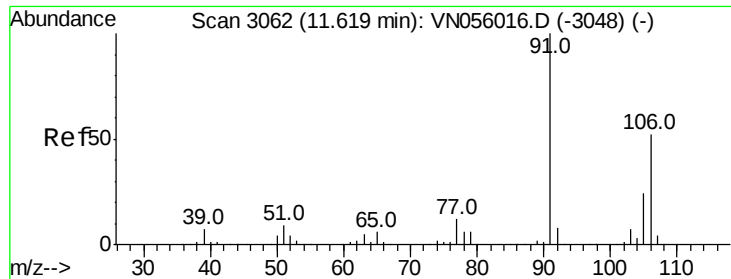
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	303530		
106	31.9	25.7	38.5	





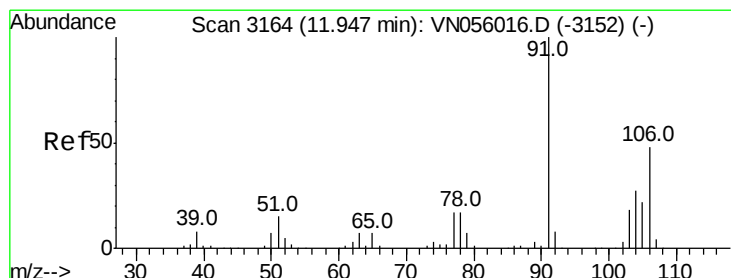
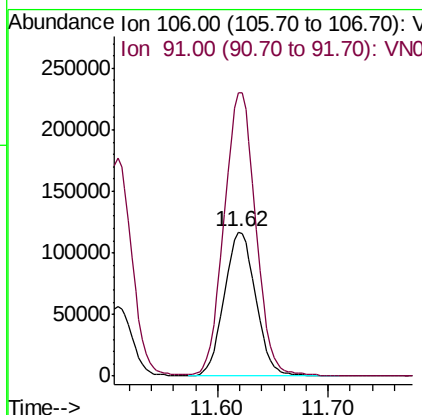
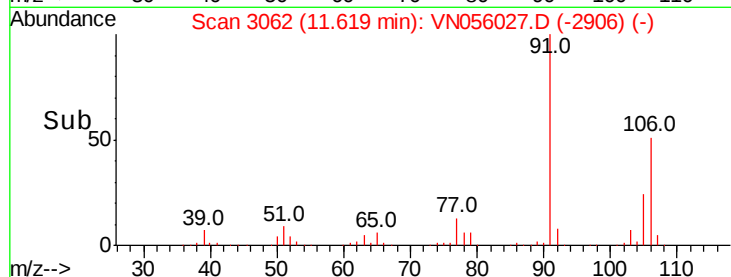
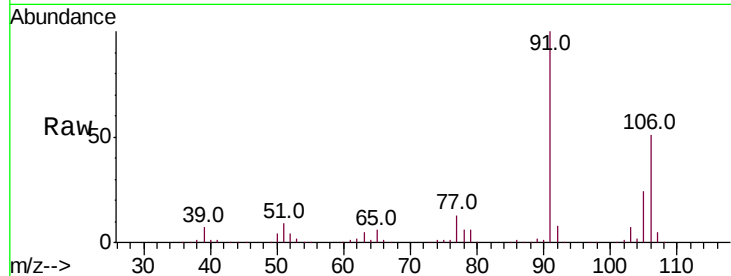
#67
m/p-Xylenes
Concen: 41.207 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion:106 Resp: 231951
Ion Ratio Lower Upper
106 100
91 197.5 155.7 233.5

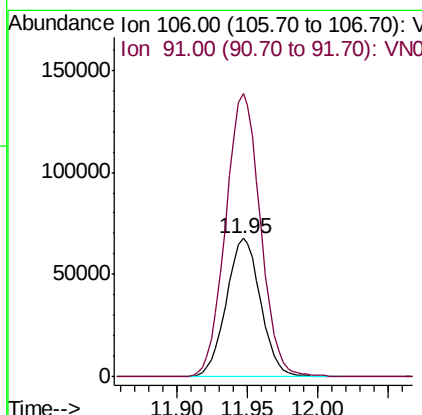
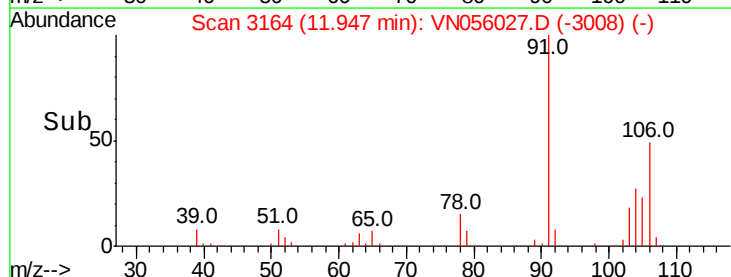
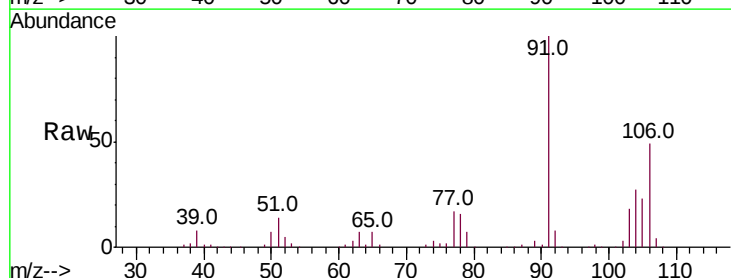
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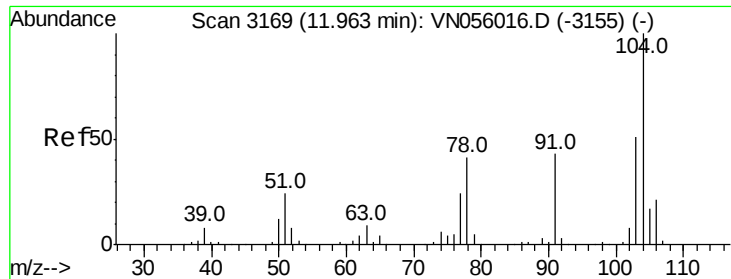
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#68
o-Xylene
Concen: 20.982 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion:106 Resp: 115625
Ion Ratio Lower Upper
106 100
91 206.9 103.9 311.7





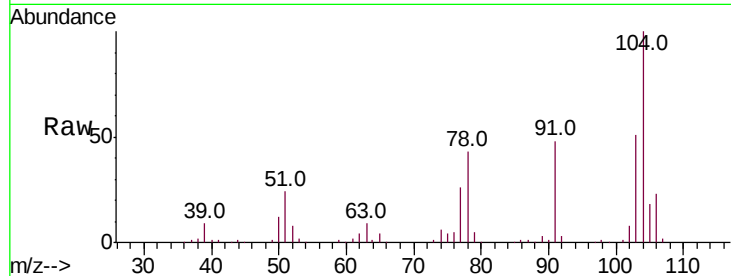
#69
Stvrene
Concen: 20.387 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

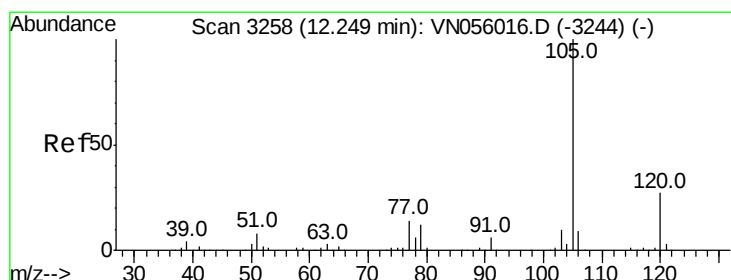
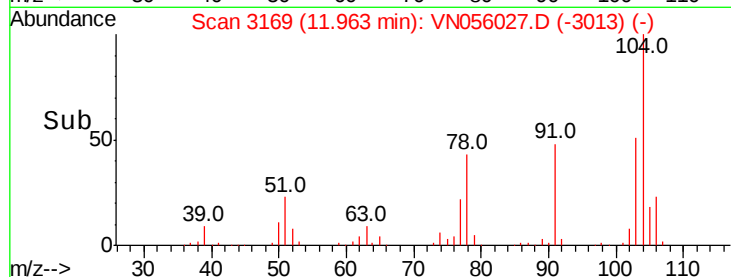
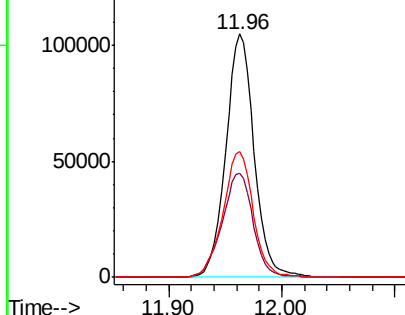
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.0	55.6
103	55.3	44.4	66.6

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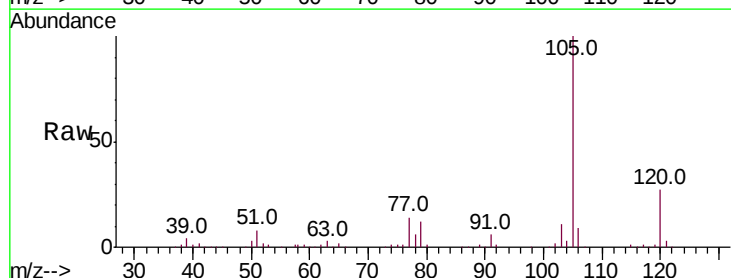


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

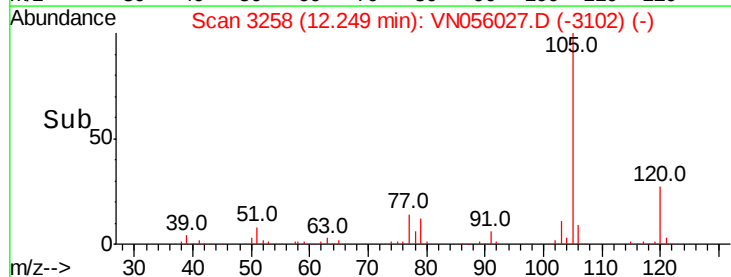
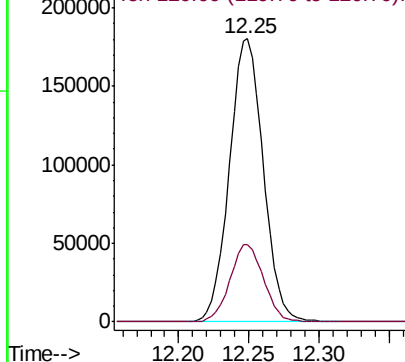


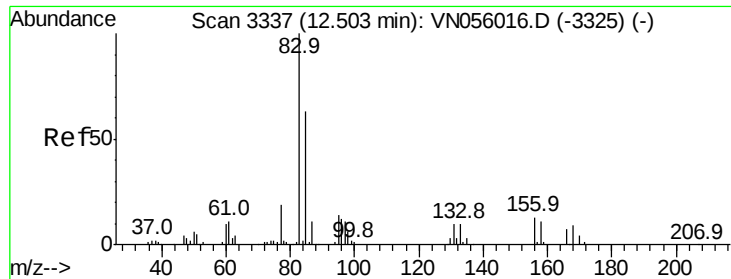
#70
Isopropylbenzene
Concen: 21.056 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.3	35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 20.679 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

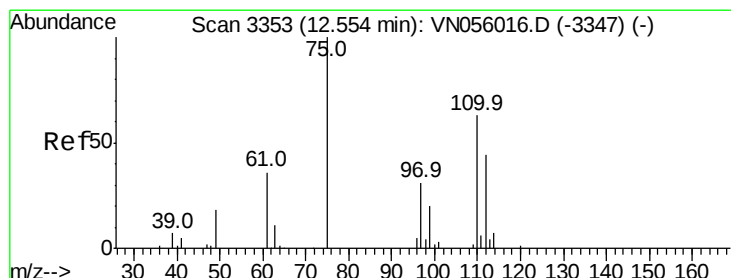
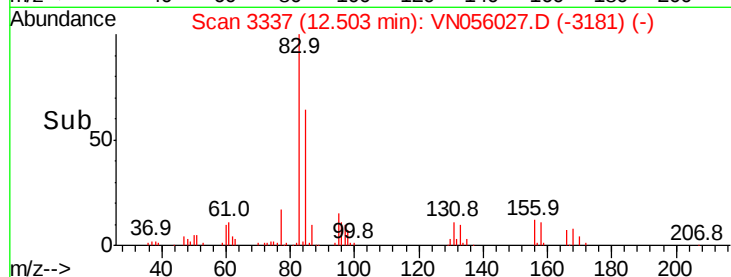
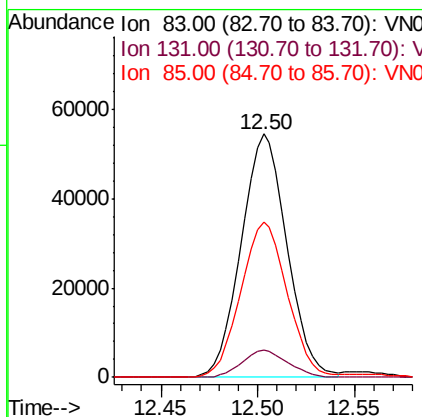
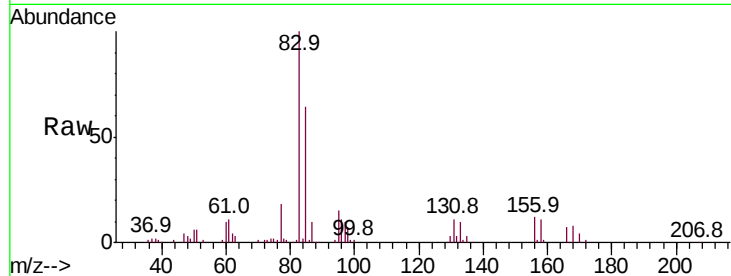
ClientSampleId :

VN0606WBSD01

Tot Ion:	83	Resp:	89766
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.2	15.6
85	64.8	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 19.386 ug/l m

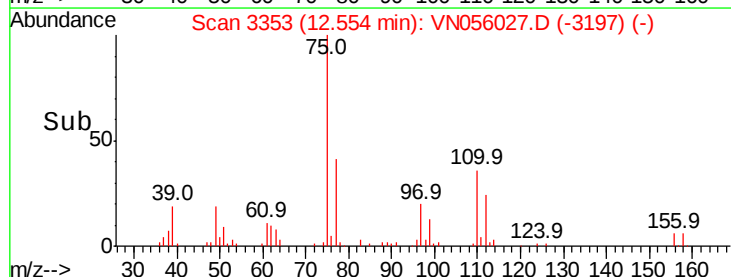
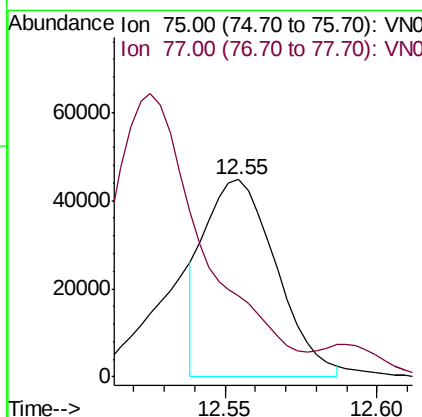
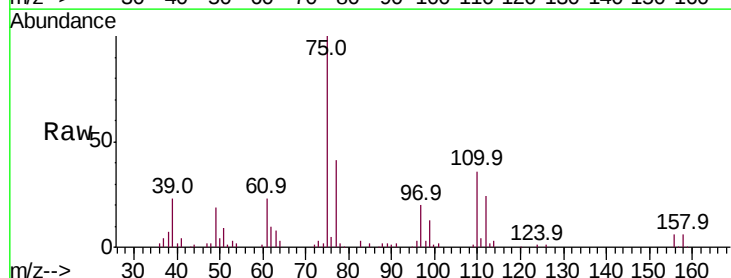
RT: 12.55 min Scan# 3353

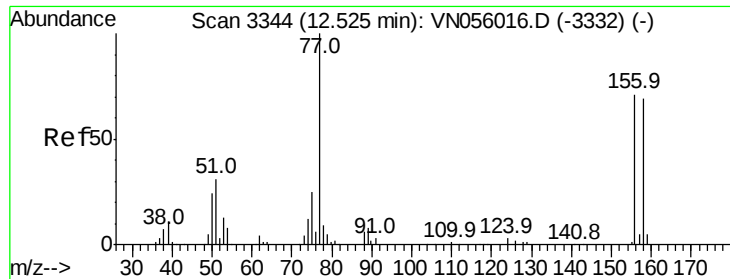
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion:	75	Resp:	72850
Ion Ratio	Lower	Upper	
75	100		
77	189.5	0.0	350.0





#73

Bromobenzene

Concen: 20.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

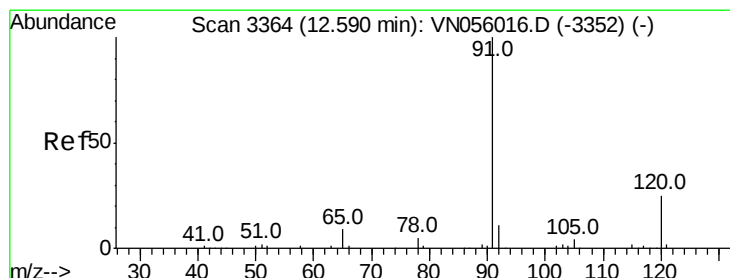
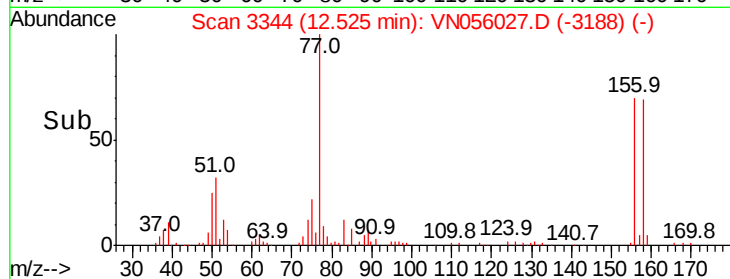
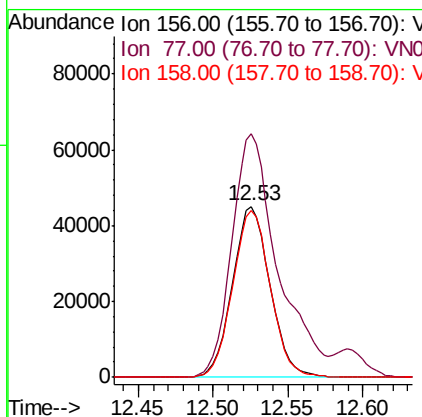
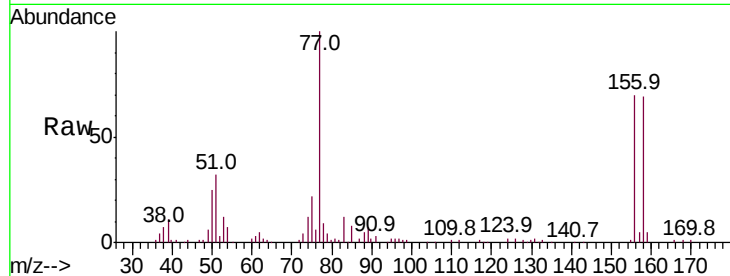
ClientSampleId :

VN0606WBSD01

Tot Ion:	156	Resp:	78796
Ion	Ratio	Lower	Upper
156	100		
77	175.2	0.0	350.8
158	97.8	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.482 ug/l

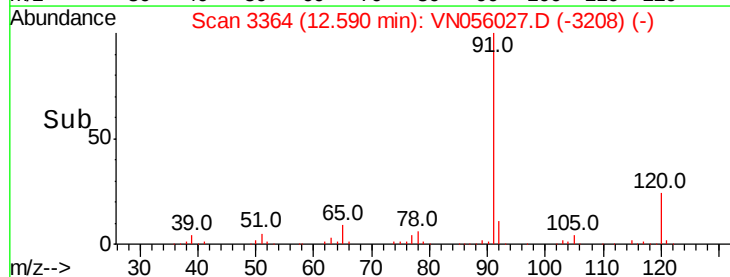
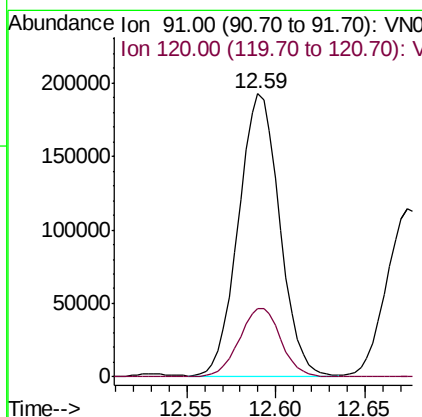
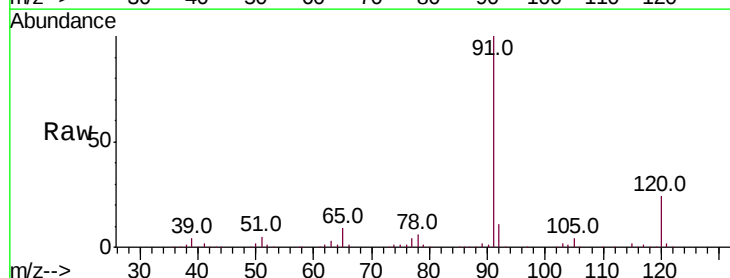
RT: 12.59 min Scan# 3364

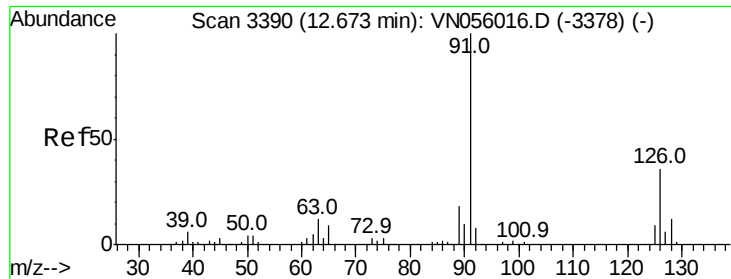
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion:	91	Resp:	311210
Ion	Ratio	Lower	Upper
91	100		
120	24.3	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.754 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleID :

VN0606WBSD01

Tot Ion: 91 Resp: 195598

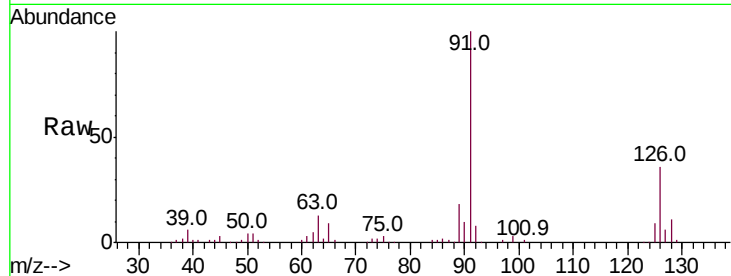
Ion Ratio Lower Upper

91 100

126 35.4 0.0 72.4

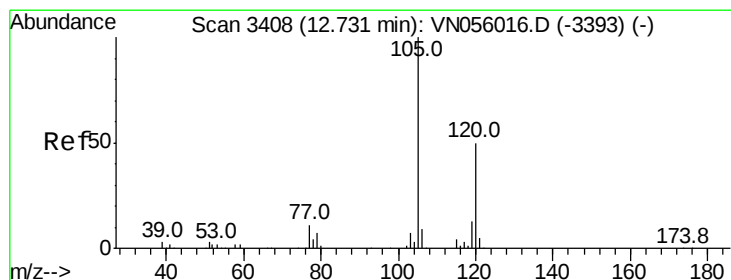
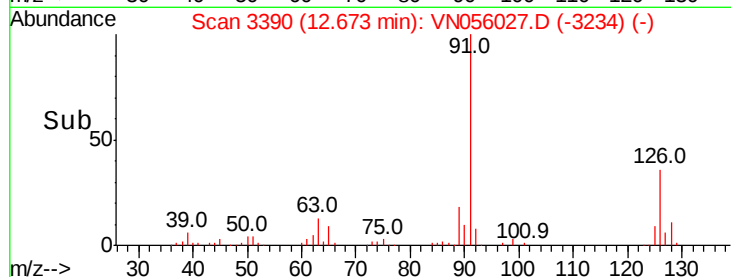
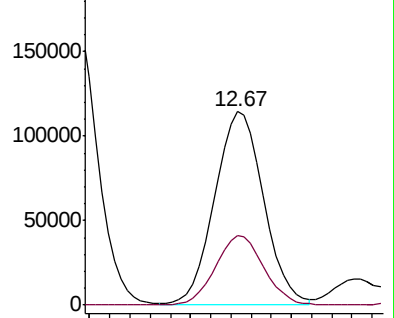
Manual Integrations
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6/6/2019 9:04:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.566 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056027.D

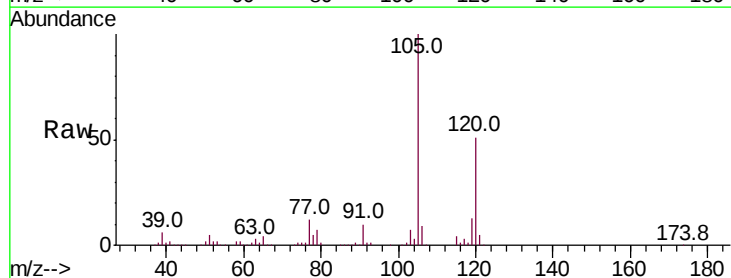
Acq: 6 Jun 2019 00:43

Tgt Ion: 105 Resp: 243573

Ion Ratio Lower Upper

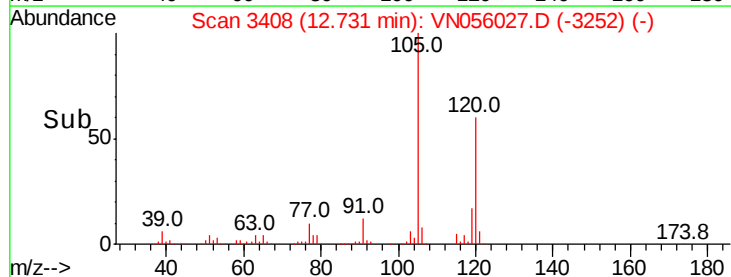
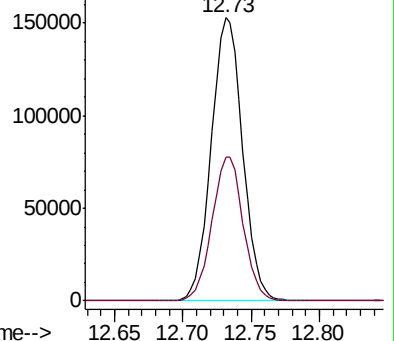
105 100

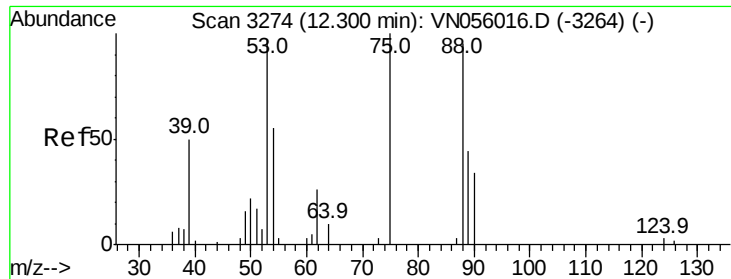
120 50.5 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.144 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

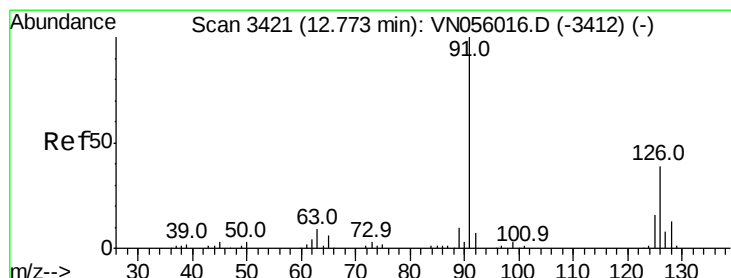
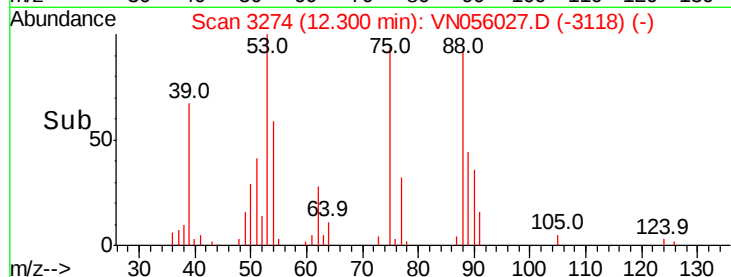
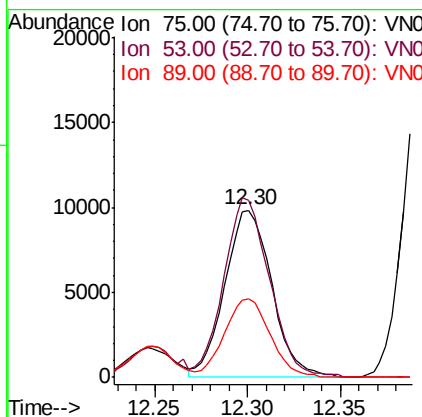
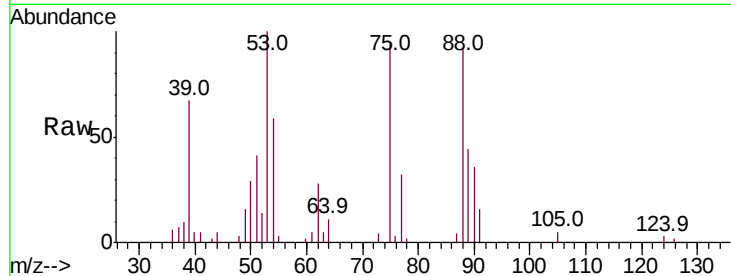
ClientSampleId :

VN0606WBSD01

Tot Ion:	75	Resp:	17311
Ion	Ratio	Lower	Upper
75	100		
53	104.3	48.0	144.0
89	46.8	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.410 ug/l

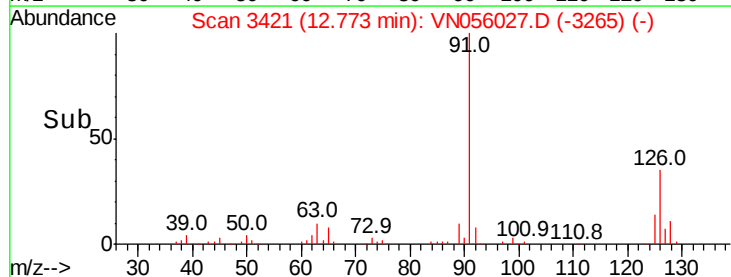
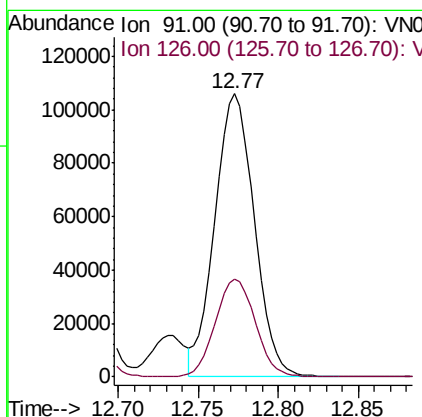
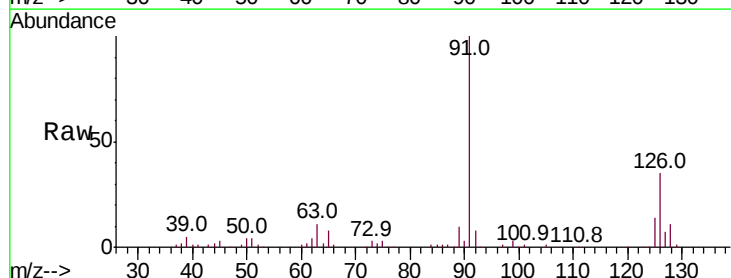
RT: 12.77 min Scan# 3421

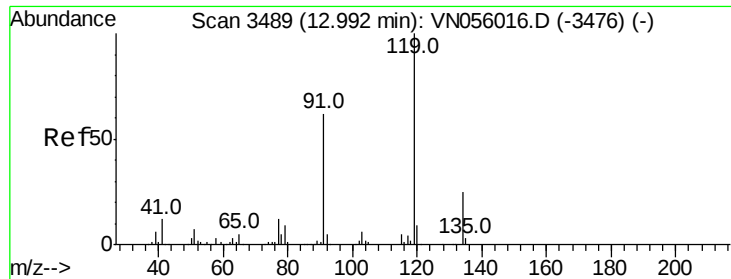
Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion:	91	Resp:	179644
Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	71.8





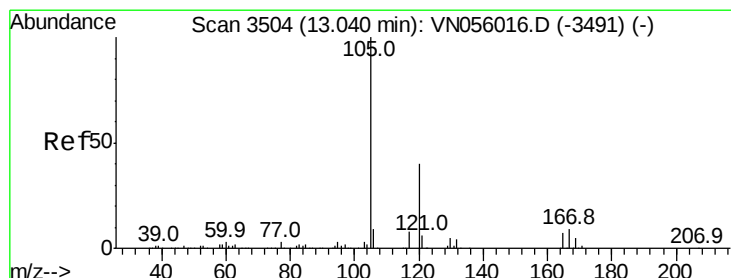
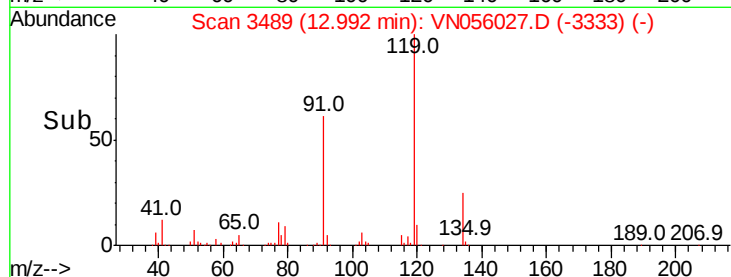
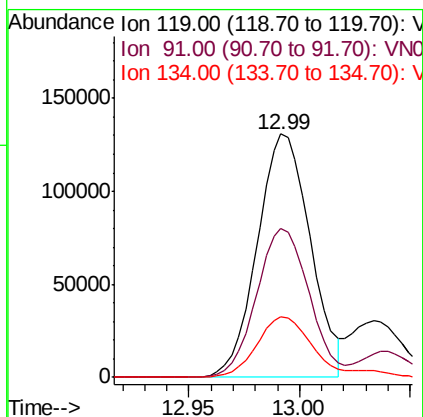
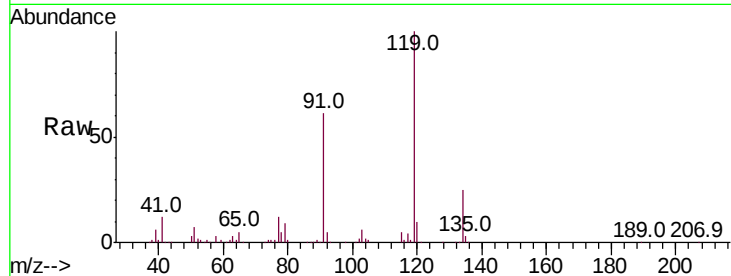
#79
tert-butylbenzene
Concen: 20.819 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218442		
91	60.8	0.0	122.8	
134	25.6	0.0	50.2	

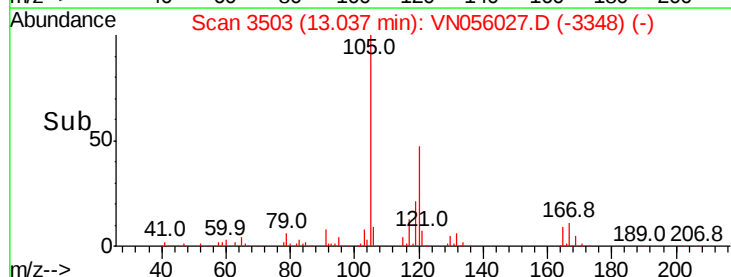
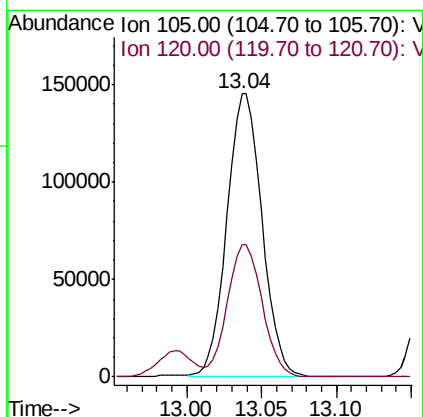
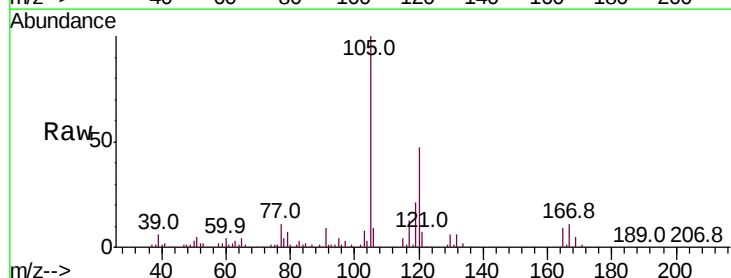
Manual Integrations
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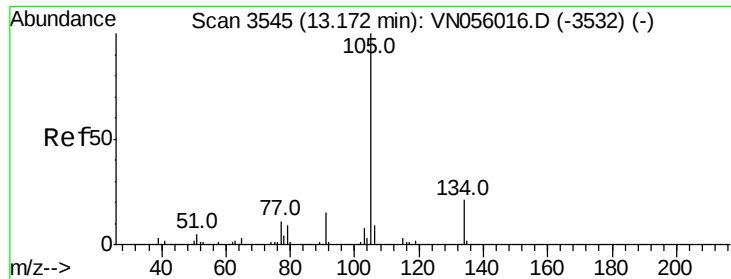
MMDadoda
6/6/2019 9:04:42 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.721 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238723		
120	46.3	0.0	93.4	





#81

sec-Butylbenzene

Concen: 20.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

Tot Ion:105 Resp: 275932

Ion Ratio Lower Upper

105 100

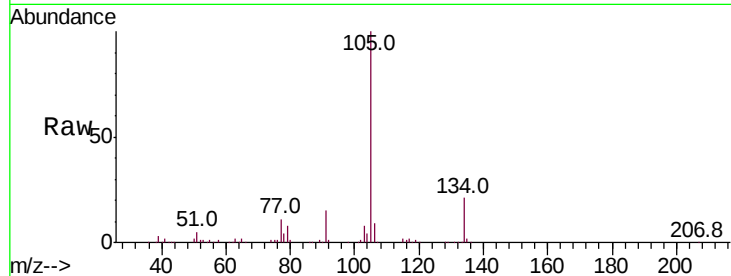
134 20.7 0.0 41.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

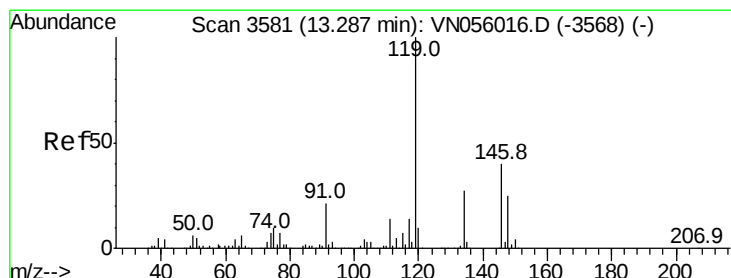
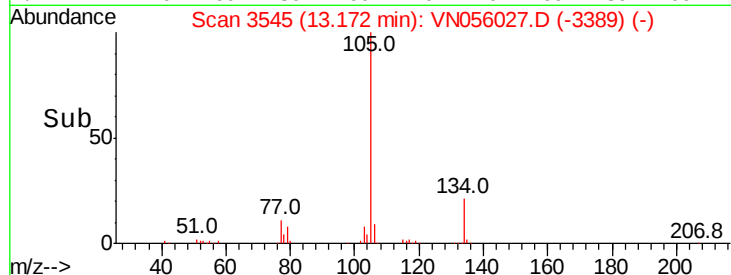
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.319 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

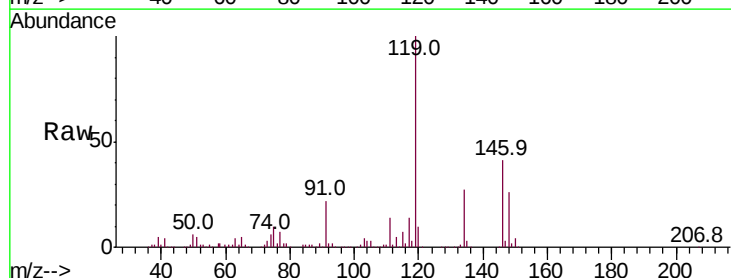
Tgt Ion:119 Resp: 243844

Ion Ratio Lower Upper

119 100

134 27.2 0.0 53.4

91 21.4 0.0 43.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

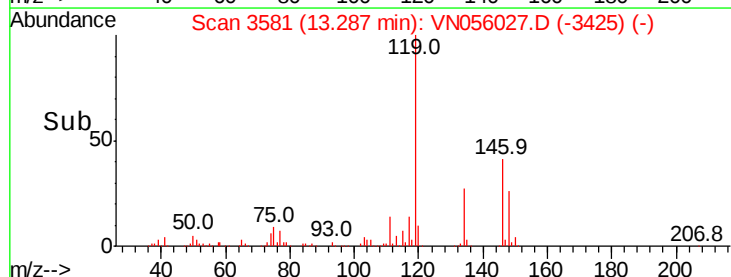
150000

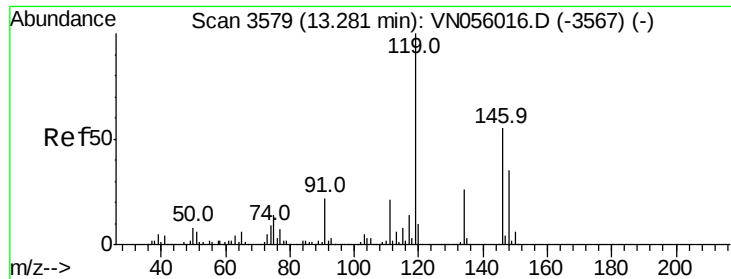
100000

50000

0

Time-->





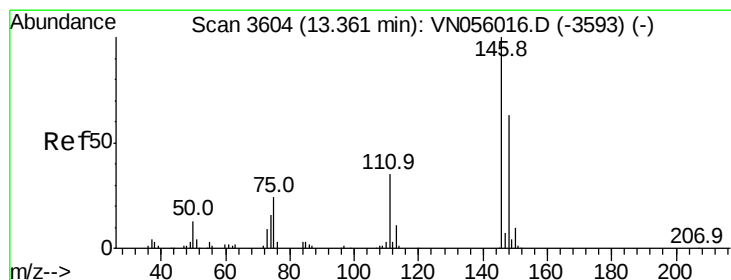
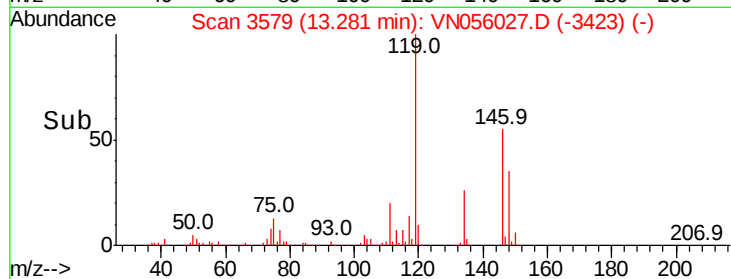
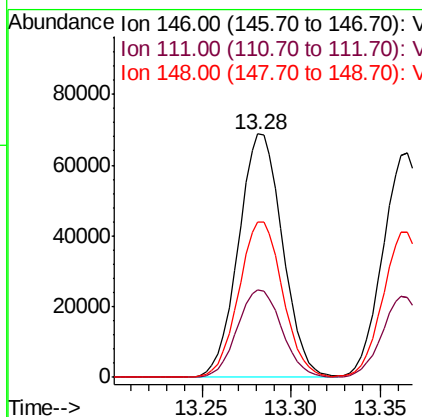
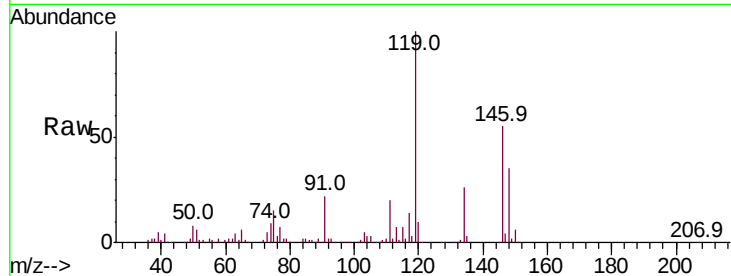
#83
 1,3-Dichlorobenzene
 Concen: 19.873 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.2	54.6
148	63.7	31.9	95.9

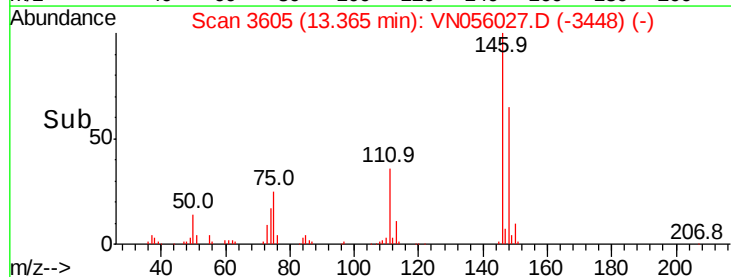
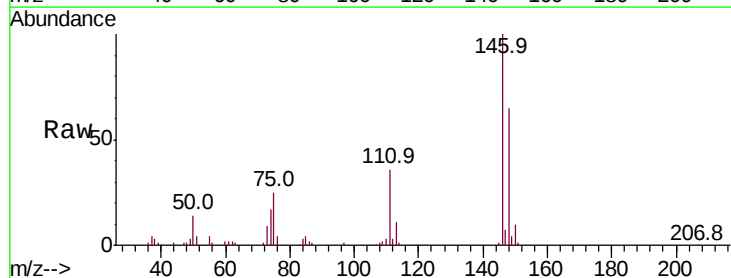
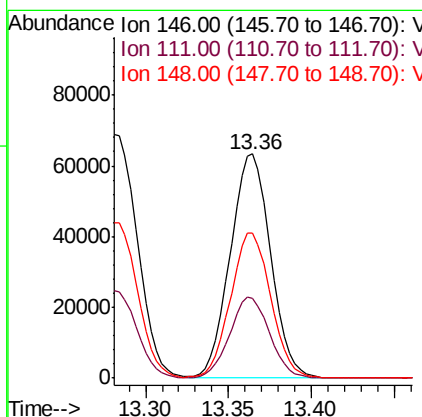
Manual Integrations
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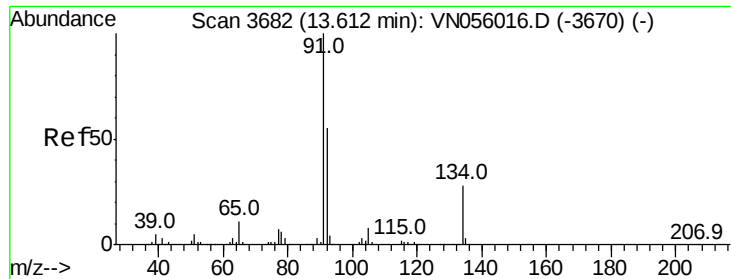
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 6/6/2019 9:04:42 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.015 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.6	52.9
148	64.6	32.1	96.3





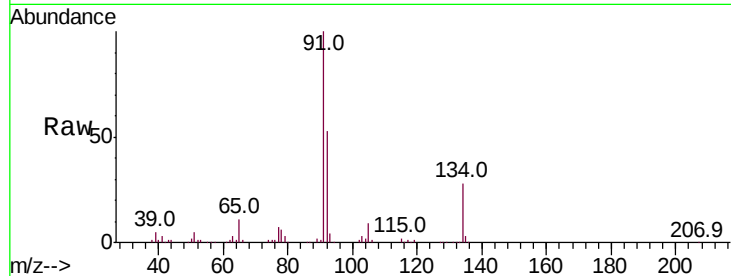
#85
n-Butylbenzene
Concen: 18.538 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	0.0	107.2	
134	28.2	0.0	55.8	

Manual Integrations
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6/6/2019 9:04:42 AM

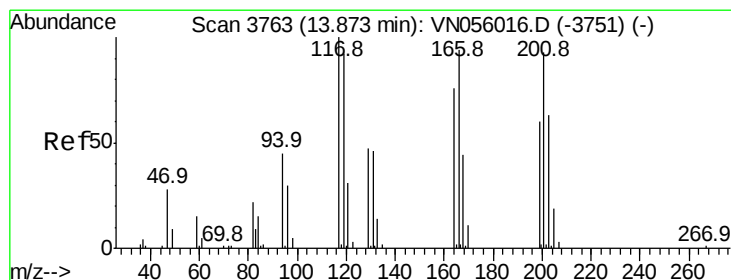
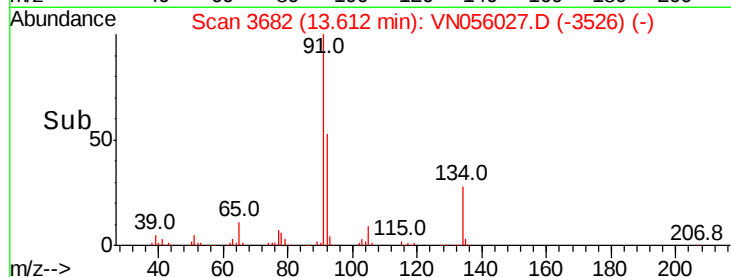
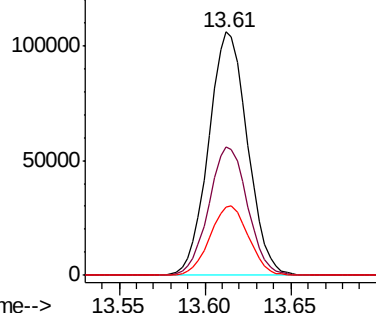


Abundance

Ion 91.00 (90.70 to 91.70): VN056016.D (-3670) (-)

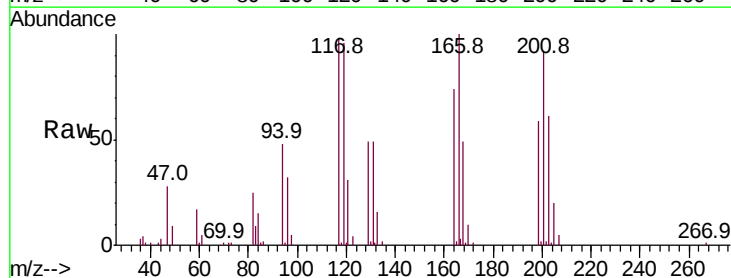
Ion 92.00 (91.70 to 92.70): VN056016.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056016.D (-3670) (-)



#86
Hexachloroethane
Concen: 18.923 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

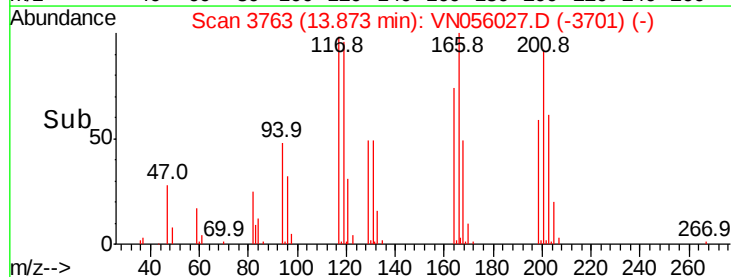
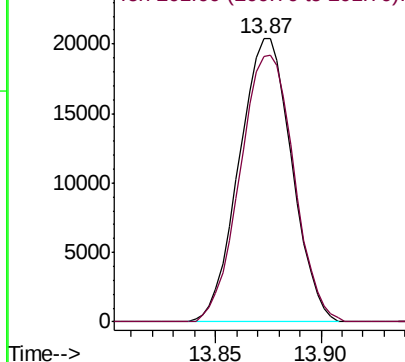
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	96.1	48.1	144.4	

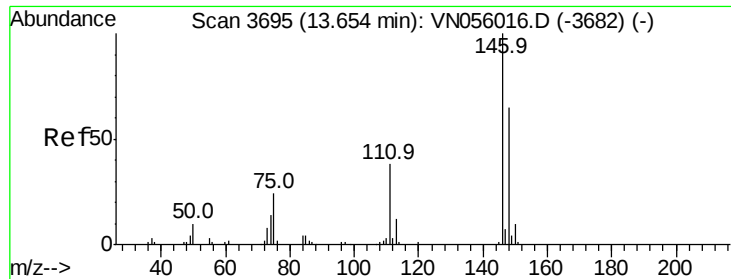


Abundance

Ion 117.00 (116.70 to 117.70): VN056016.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056016.D (-3751) (-)





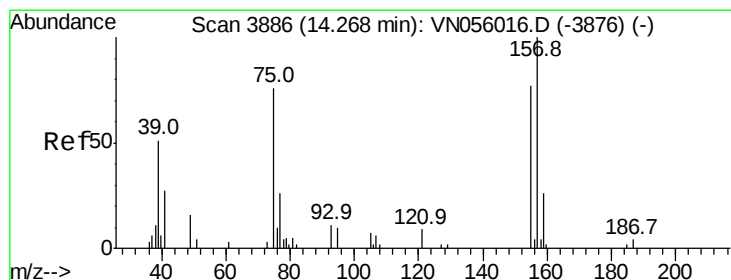
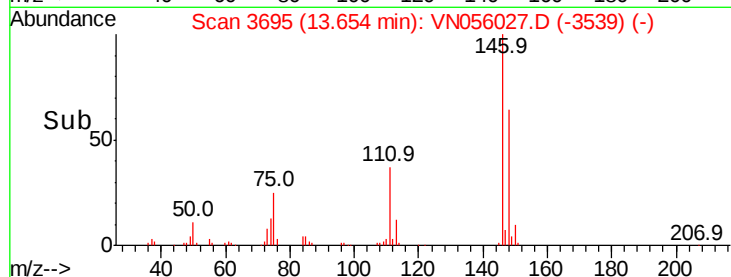
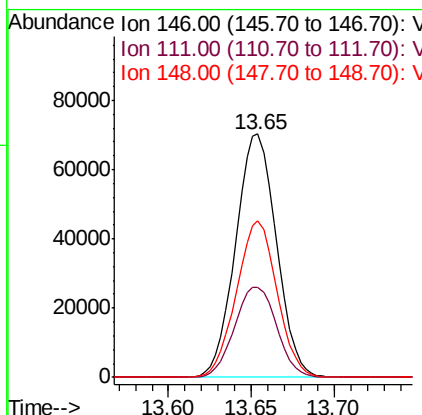
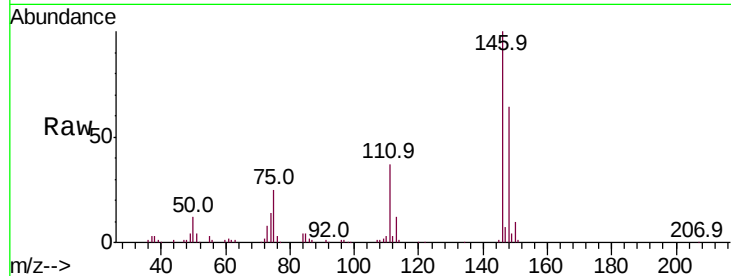
#87
 1,2-Dichlorobenzene
 Concen: 19.889 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.7	32.6	97.8

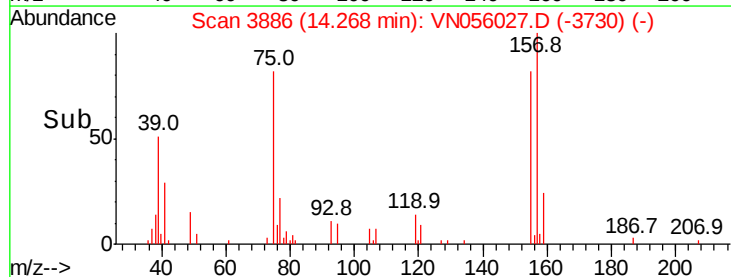
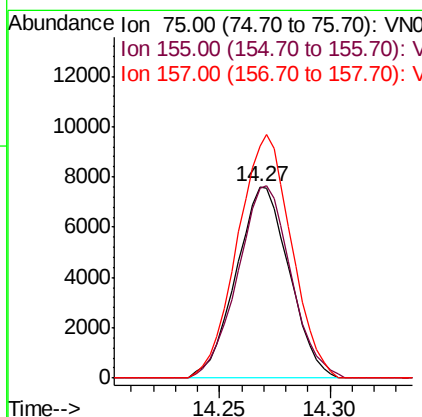
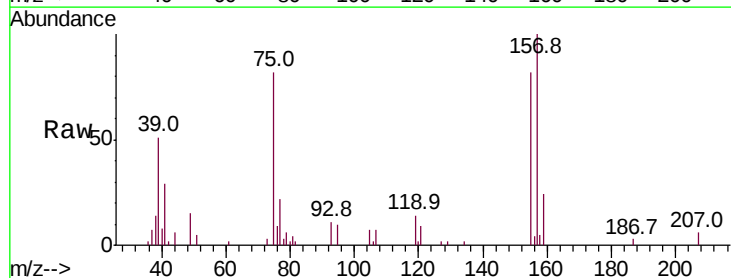
Manual Integrations
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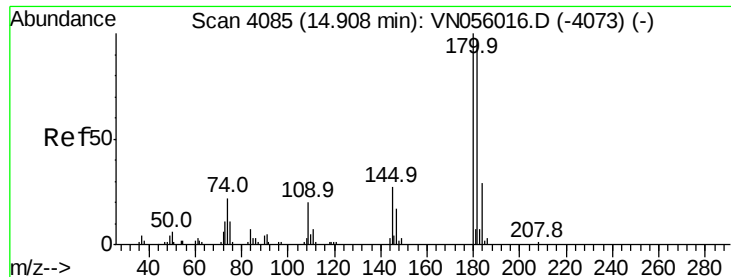
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.631 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	82.5	123.7
157	128.6	105.1	157.7





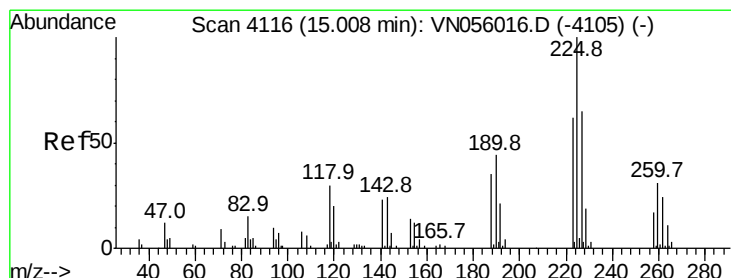
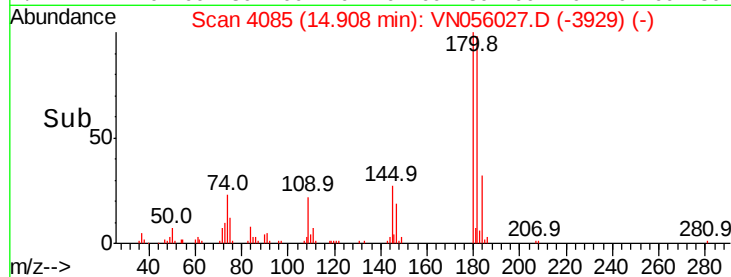
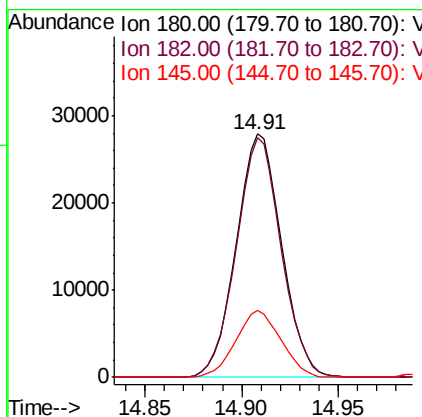
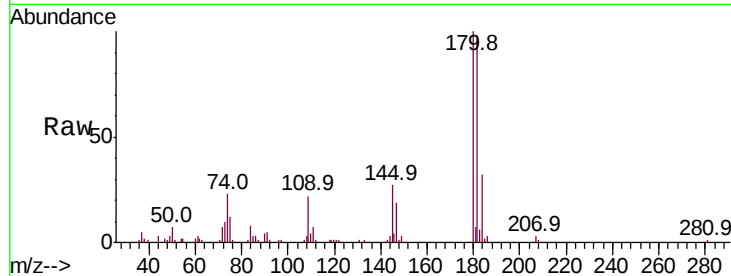
#89
 1,2,4-Trichlorobenzene
 Concen: 19.244 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45390		
182	97.6	75.0	112.6	
145	27.4	22.1	33.1	

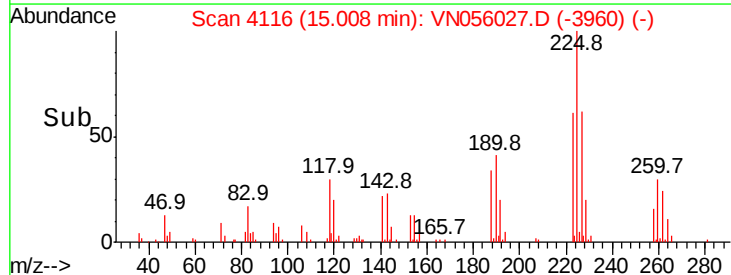
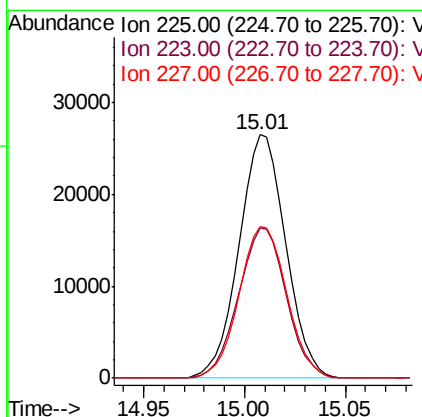
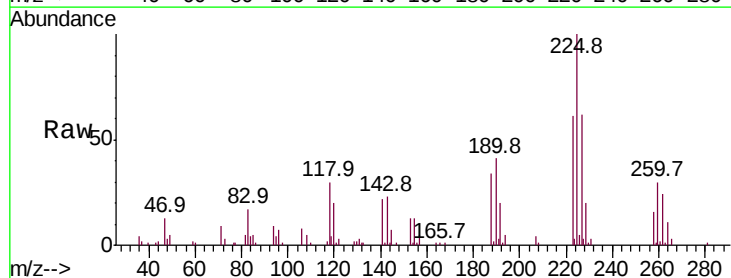
Manual Integrations
 APPROVED

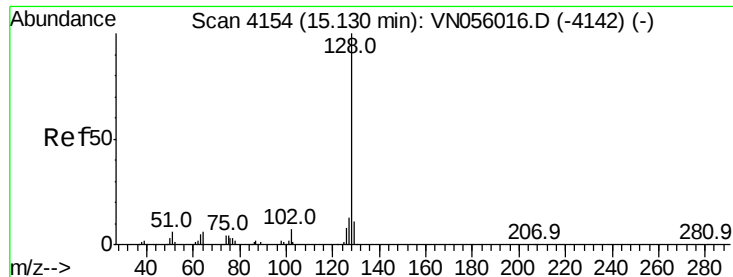
MMDadoda
 6/6/2019 9:04:42 AM



#90
 Hexachlorobutadiene
 Concen: 19.468 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43025		
223	63.0	0.0	125.6	
227	63.4	0.0	128.6	





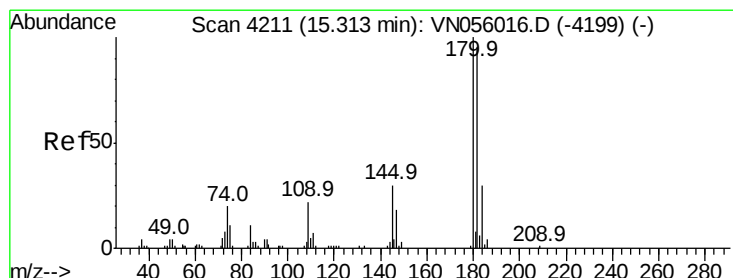
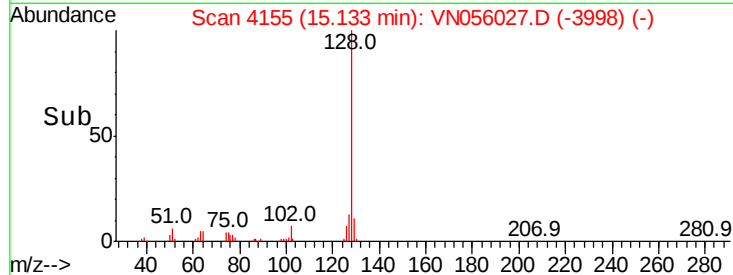
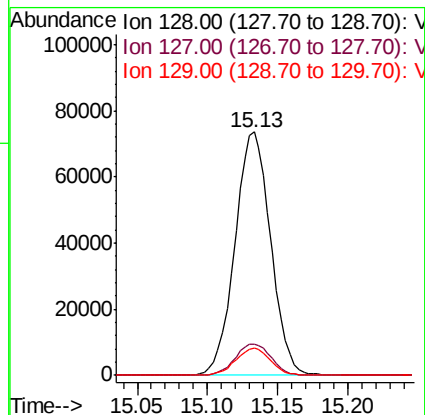
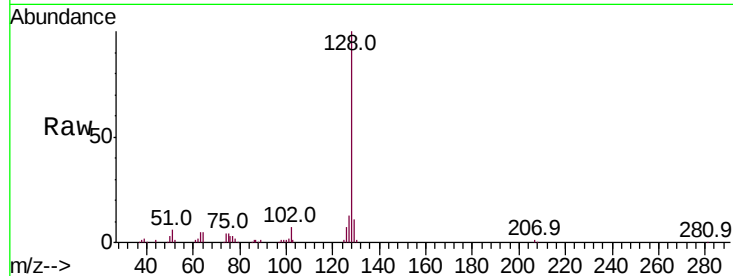
#91
Naphthalene
Concen: 16.218 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:04:42 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.157 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	193.4
145	30.3	0.0	59.8

