

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056090.D
 Acq On : 7 Jun 2019 11:00
 Operator : JC/SP
 Sample : VN0608WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0608WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 3:31:26 PM

Quant Time: Jun 08 05:25:39 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	50931	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	270231	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	235137	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	95208	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	100028	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	323066	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	61851	21.592 ug/l	98
3) Chloromethane	2.06	50	69945	20.898 ug/l	99
4) Vinyl Chloride	2.18	62	68692	20.130 ug/l	98
5) Bromomethane	2.55	94	46245	21.564 ug/l	100
6) Chloroethane	2.69	64	39991	20.719 ug/l	94
7) Trichlorofluoromethane	3.01	101	84590	20.035 ug/l	97
8) Diethyl Ether	3.41	74	33782	18.866 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52808	20.262 ug/l	98
10) 1,1-Dichloroethene	3.72	96	52879	19.890 ug/l	100
11) Methyl Iodide	3.94	142	72528	17.291 ug/l	99
12) Methyl Acetate	4.33	43	62206	19.471 ug/l	99
13) Acrolein	3.60	56	17191	110.400 ug/l	98
14) Acrylonitrile	4.99	53	142745	100.193 ug/l	99
15) Acetone	3.82	58	43849	93.998 ug/l	97
16) Carbon Disulfide	4.04	76	110902	17.532 ug/l	100
17) Allyl chloride	4.31	41	79042	19.189 ug/l	99
18) Methylene Chloride	4.54	84	61934	20.123 ug/l	98
19) trans-1,2-Dichloroethene	5.03	96	55733	19.639 ug/l	95
20) Diisopropyl ether	5.95	45	170778	20.010 ug/l	98
21) 1,1-Dichloroethane	5.84	63	97617	19.682 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	66082	19.951 ug/l	99
23) tert-Butyl Alcohol	4.82	59	51684	93.200 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	164514	19.417 ug/l	99
25) Chloroform	7.37	83	99122	20.014 ug/l	100
26) Cyclohexane	7.65	56	90730	19.718 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	72484	19.830 ug/l	99
30) 2-Butanone	6.84	43	190862	99.183 ug/l	99
31) 2,2-Dichloropropane	6.82	77	66416	19.531 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	80441	19.918 ug/l	99
33) Carbon Tetrachloride	7.77	117	64846	18.952 ug/l	96
34) Benzene	8.04	78	236777	20.330 ug/l	100
35) Methacrylonitrile	7.17	41	31418	19.334 ug/l	98
36) 1,2-Dichloroethane	8.12	62	75938	20.816 ug/l	98
37) Trichloroethene	8.83	130	65597	20.128 ug/l	98
38) Methylcyclohexane	9.08	83	92052	19.864 ug/l	97
39) 1,2-Dichloropropane	9.12	63	61432	20.595 ug/l	98
40) Dibromomethane	9.21	93	39376	19.909 ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0608WBSD01

Manual Integrations
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Quant Time: Jun 08 05:25:39 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)
41) Bromodichloromethane	9.40	83	67541	19.071	ug/l	99
42) Vinyl Acetate	5.90	43	684710	99.803	ug/l	99
43) Ethyl Acetate	6.93	43	72718	19.745	ug/l	94
44) Isopropyl Acetate	8.17	43	111083	19.426	ug/l	100
45) 1,4-Dioxane	9.20	88	26032	425.564	ug/l	97
46) Methyl methacrylate	9.20	41	54014	19.014	ug/l	98
47) n-amyl Acetate	12.07	43	86860	18.368	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	66191	17.760	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	81103	18.584	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	58182	19.806	ug/l	98
51) Ethyl methacrylate	10.43	69	84821	19.086	ug/l	99
52) 1,3-Dichloropropane	10.71	76	95507	20.054	ug/l	99
53) Dibromochloromethane	10.90	129	52532	18.268	ug/l	97
54) 1,2-Dibromoethane	11.00	107	59926	19.549	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	142624	91.621	ug/l	99
56) Bromoform	12.13	173	34591	16.628	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	361066	101.407	ug/l	99
59) 2-Hexanone	10.75	43	254046	99.826	ug/l	99
61) Tetrachloroethene	10.63	164	66365	20.251	ug/l	97
62) Toluene	10.16	91	254584	20.056	ug/l	99
64) Chlorobenzene	11.43	112	154666	20.088	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	52704	18.983	ug/l	99
66) Ethyl Benzene	11.51	91	269871	19.961	ug/l	100
67) m/p-Xylenes	11.62	106	204657	39.548	ug/l	98
68) o-Xylene	11.95	106	102129	20.159	ug/l	99
69) Styrene	11.96	104	157260	19.105	ug/l	98
70) Isopropylbenzene	12.25	105	265939	20.091	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	82019	20.552	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	69774m	20.196	ug/l	
73) Bromobenzene	12.53	156	68243	19.423	ug/l	99
74) n-propylbenzene	12.59	91	273925	19.610	ug/l	99
75) 2-Chlorotoluene	12.67	91	173695	20.047	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	218227	20.043	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	15194	15.413	ug/l	91
78) 4-Chlorotoluene	12.77	91	155658	19.237	ug/l	99
79) tert-butylbenzene	12.99	119	191863	19.890	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	207732	19.613	ug/l	100
81) sec-Butylbenzene	13.17	105	243986	19.994	ug/l	100
82) p-Isopropyltoluene	13.29	119	215279	19.512	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	103227	18.853	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	94810	18.178	ug/l	99
85) n-Butylbenzene	13.61	91	143269	17.399	ug/l	99
86) Hexachloroethane	13.87	117	29436	17.114	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	107404	19.298	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10582	16.892	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	39203	18.597	ug/l	98
90) Hexachlorobutadiene	15.01	225	39744	19.561	ug/l	98
91) Naphthalene	15.13	128	104980	14.202	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	46332	15.903	ug/l	99

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Sample : VN0608WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

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

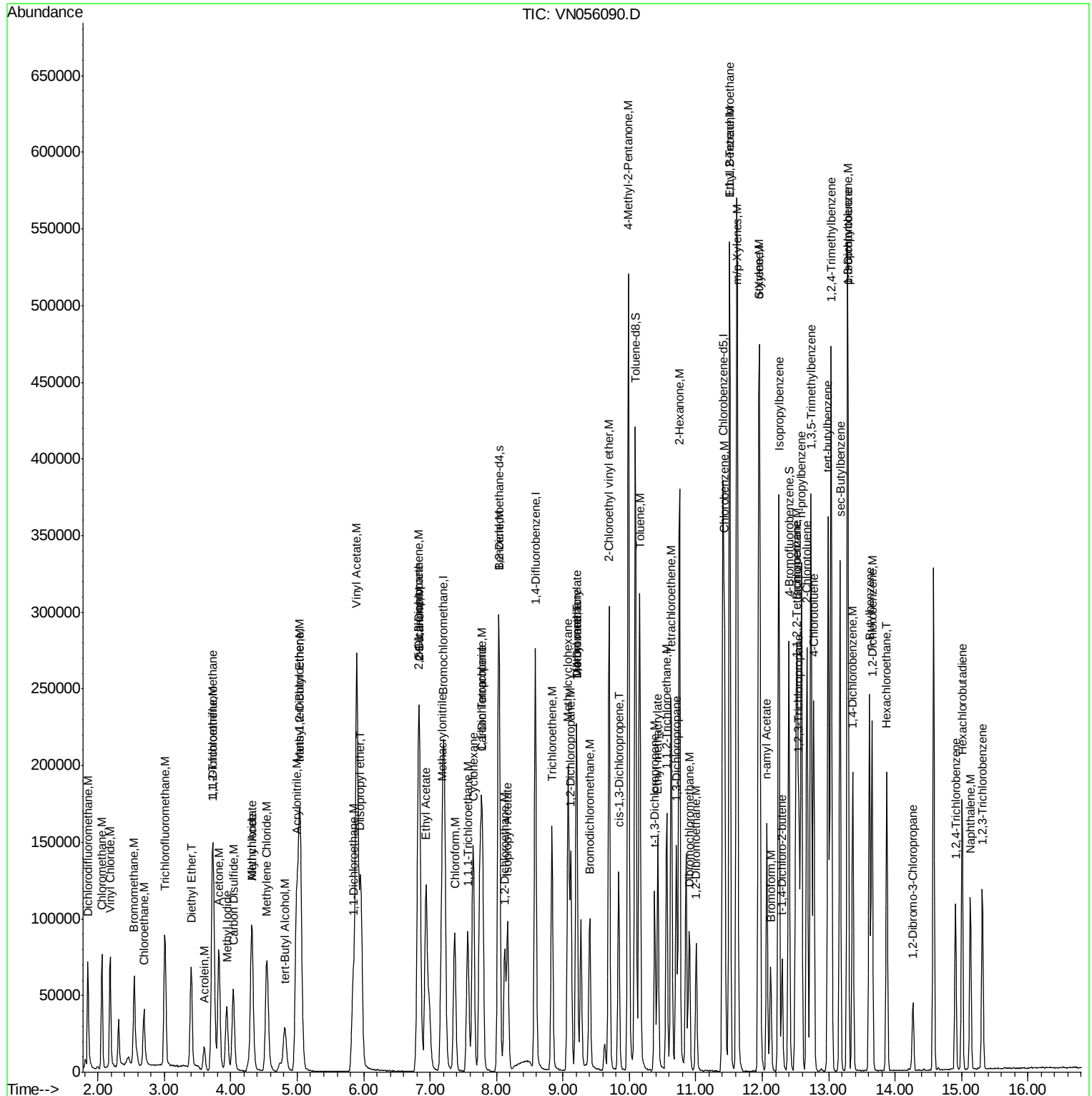
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
Data File : VN056090.D
Acq On : 7 Jun 2019 11:00
Operator : JC/SP
Sample : VN0608WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

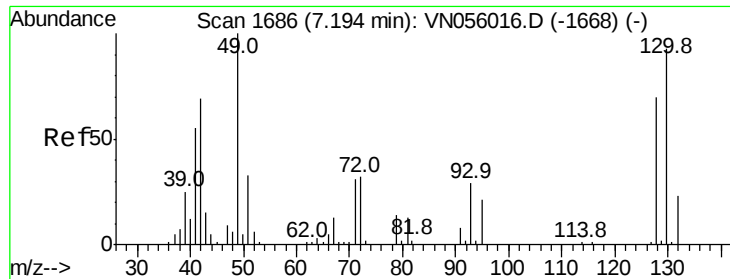
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Manual Integrations
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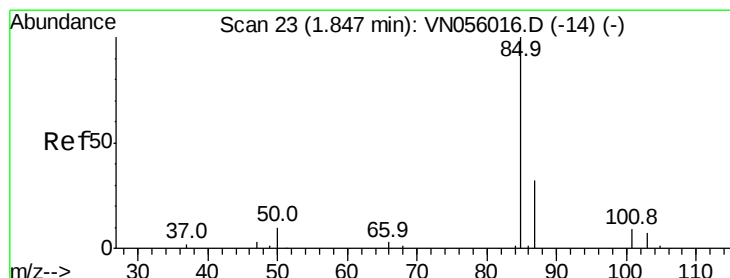
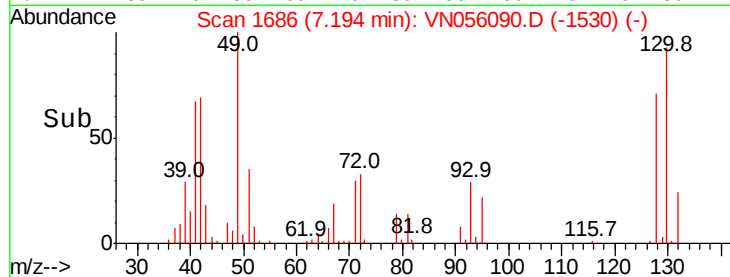
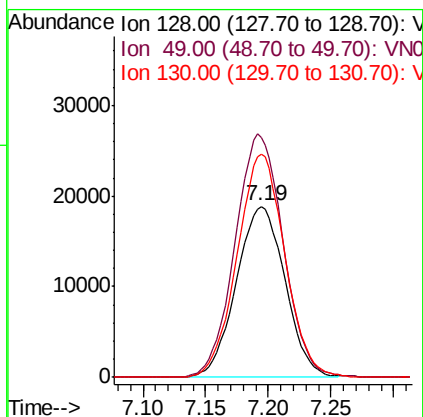
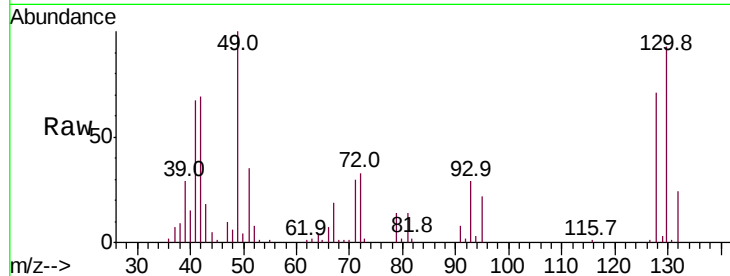
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	141.1	0.0	355.8
130	127.9	0.0	326.3

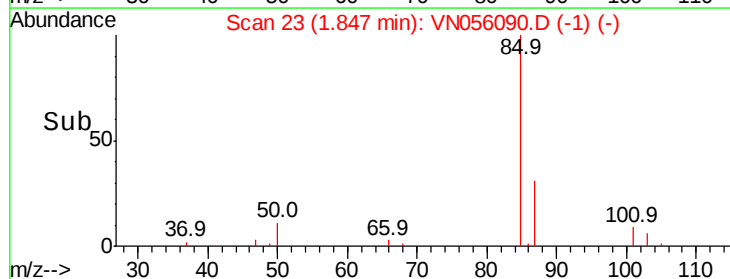
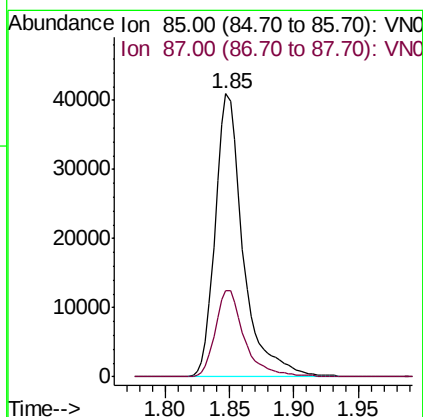
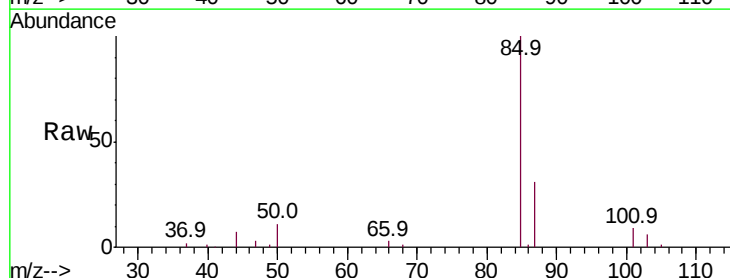
Manual Integrations
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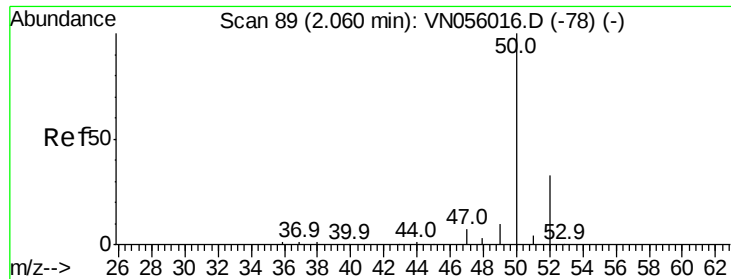
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#2
 Dichlorodifluoromethane
 Concen: 21.592 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.9	47.7





#3

Chloromethane

Concen: 20.898 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

VN0608WBSD01

Tot Ion: 50 Resp: 69945

Ion Ratio Lower Upper

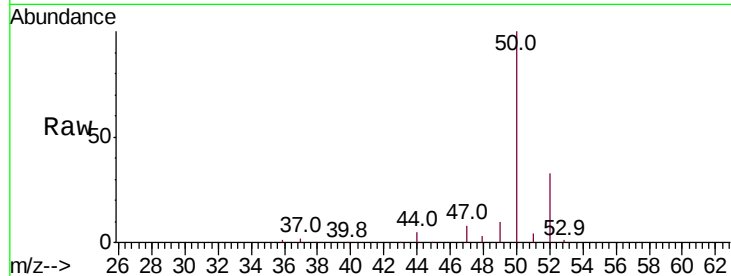
50 100

52 33.0 26.7 40.1

Manual Integrations
APPROVED

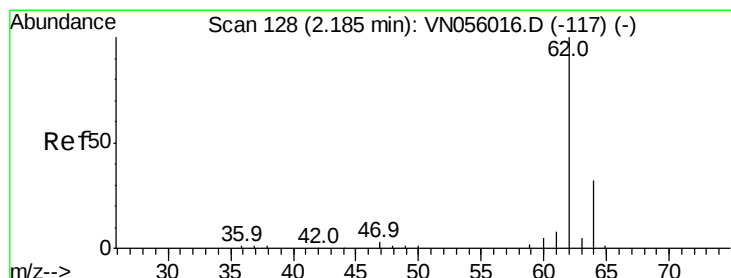
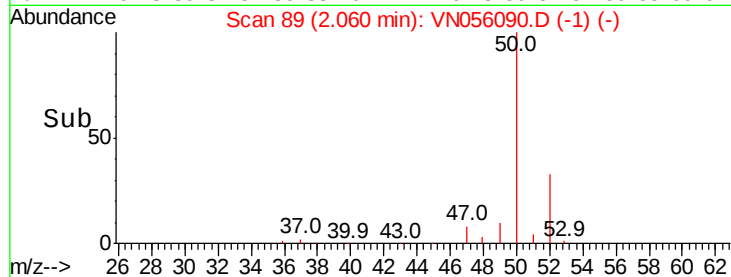
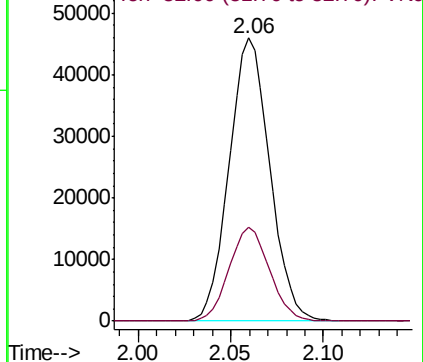
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.130 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056090.D

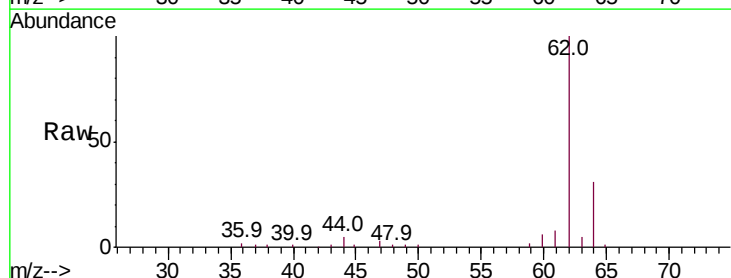
Acq: 7 Jun 2019 11:00

Tgt Ion: 62 Resp: 68692

Ion Ratio Lower Upper

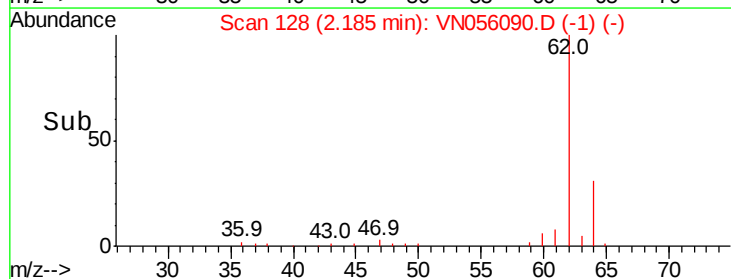
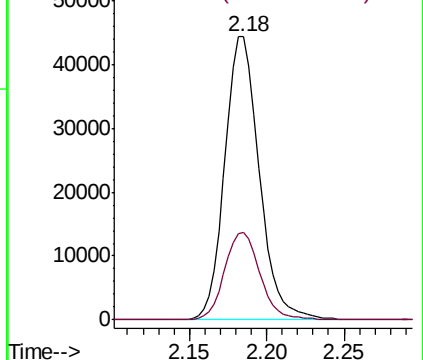
62 100

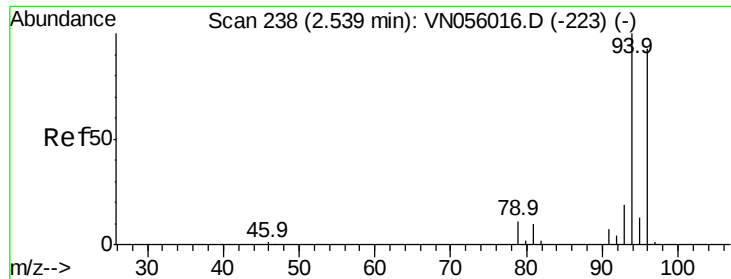
64 31.0 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 21.564 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 94 Resp: 46245

Ion Ratio Lower Upper

94 100

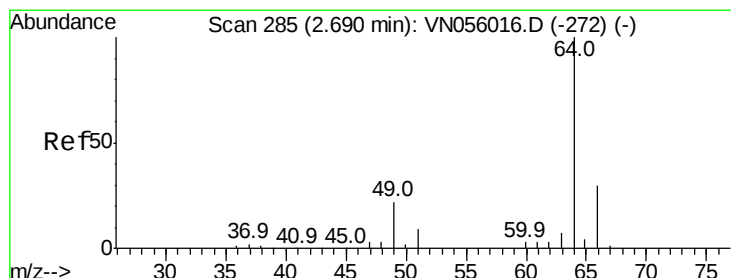
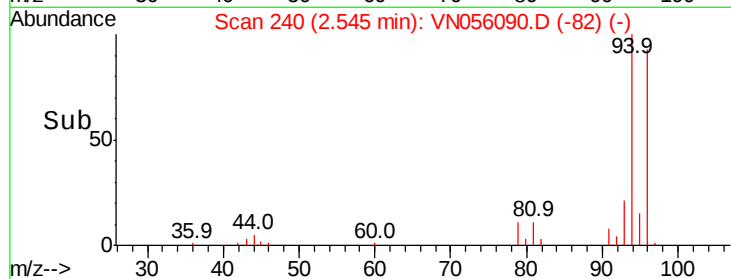
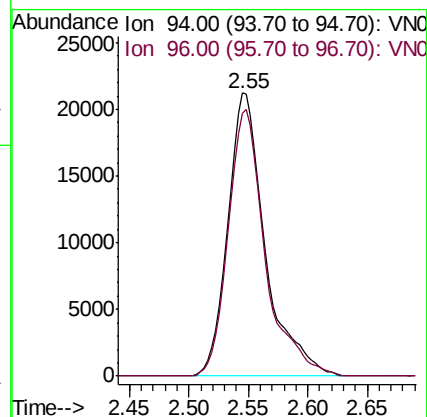
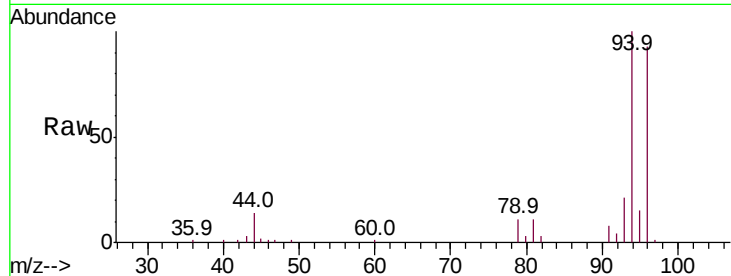
96 92.7 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 20.719 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056090.D

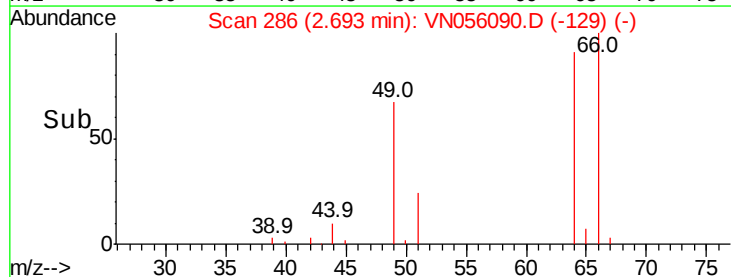
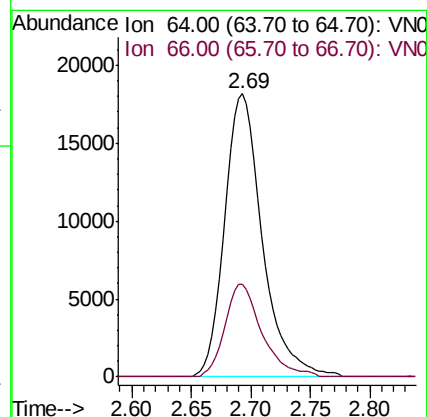
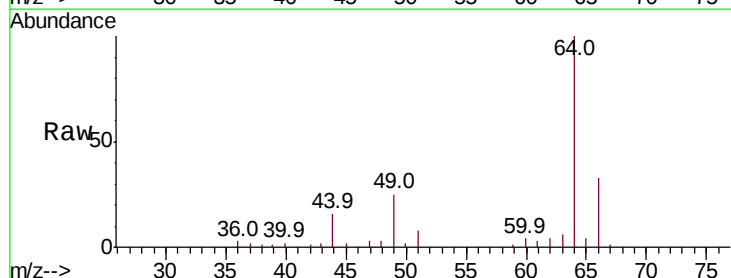
Acq: 7 Jun 2019 11:00

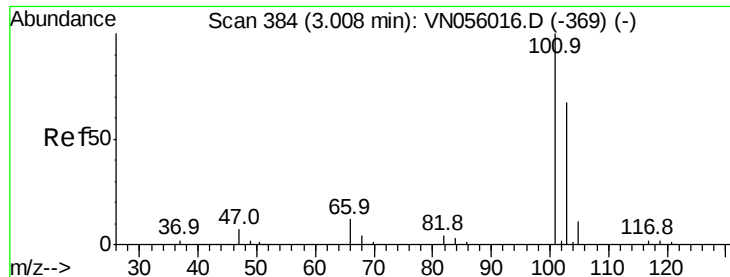
Tgt Ion: 64 Resp: 39991

Ion Ratio Lower Upper

64 100

66 32.9 23.7 35.5





#7

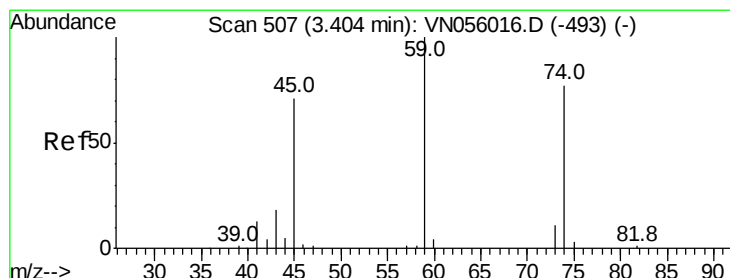
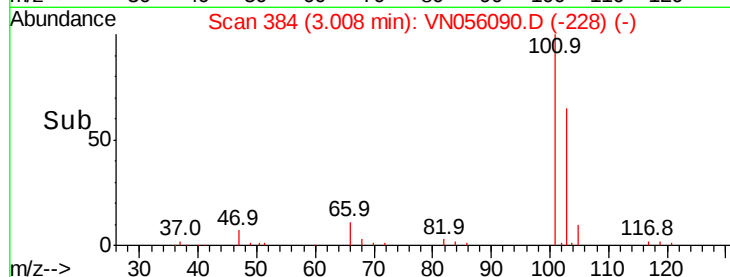
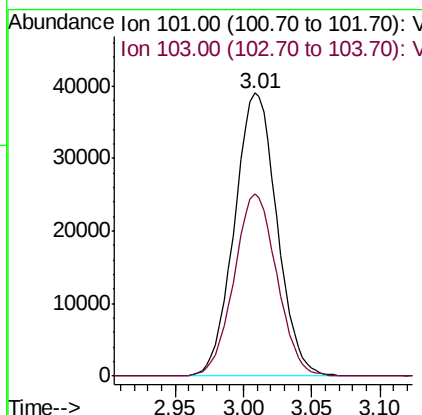
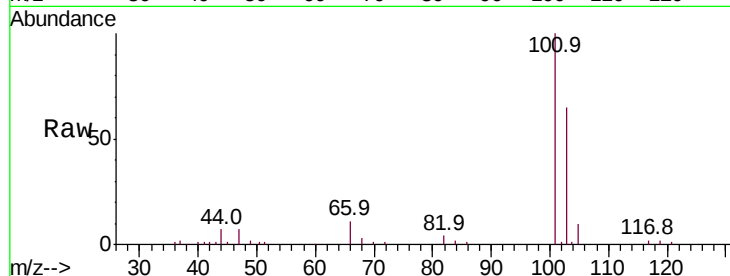
Trichlorofluoromethane
 Concen: 20.035 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.4	80.0

Manual Integrations
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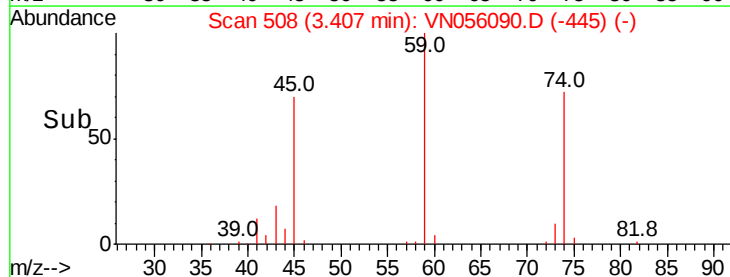
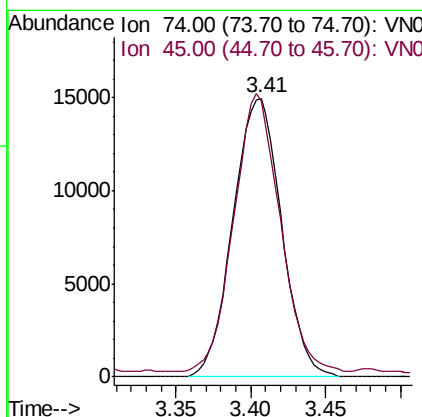
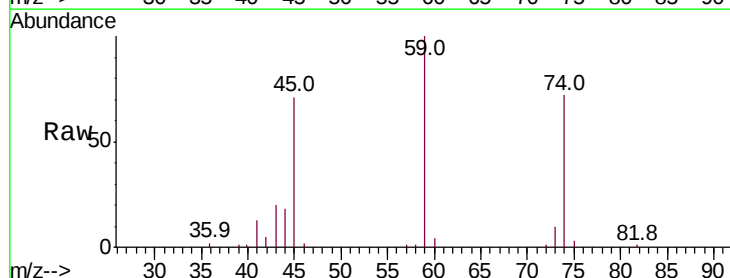
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 6/10/2019 3:31:26 PM

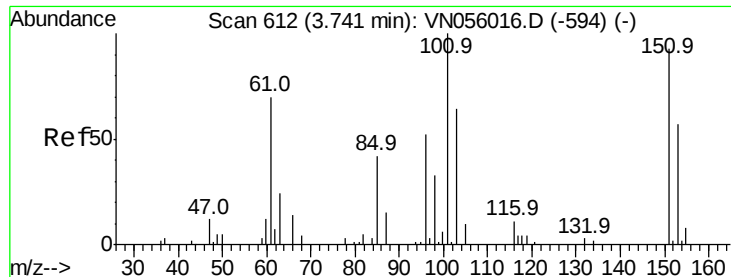


#8

Diethyl Ether
 Concen: 18.866 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.262 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

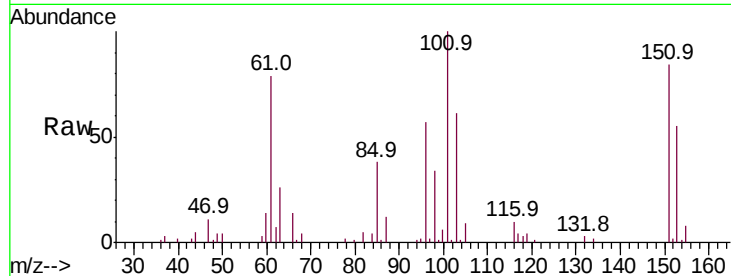
ClientSampled :

VN0608WBSD01

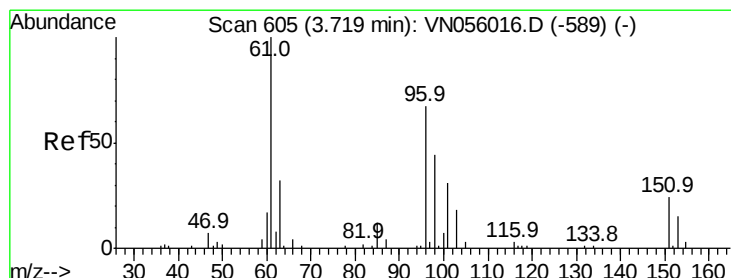
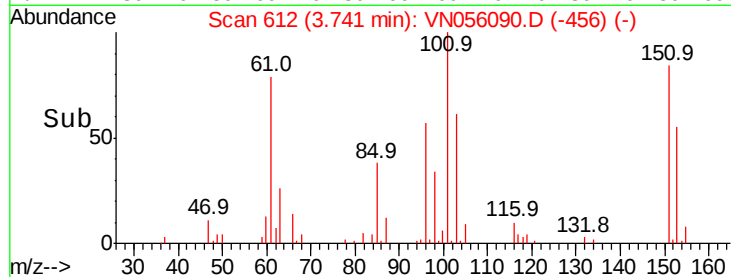
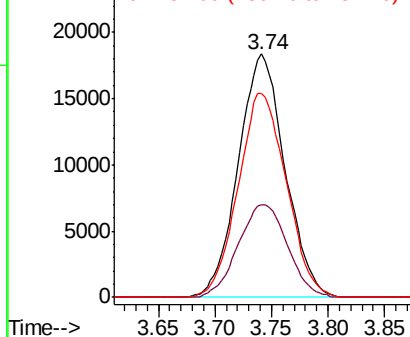
Tot Ion:	101	Resp:	52808
Ion Ratio	Lower	Upper	
101	100		
85	40.1	0.0	82.0
151	86.4	0.0	177.0

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



#10

1,1-Dichloroethene

Concen: 19.890 ug/l

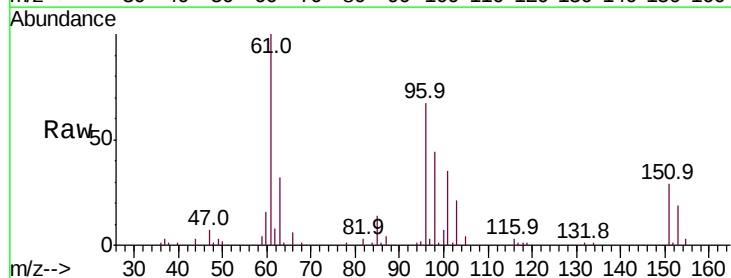
RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

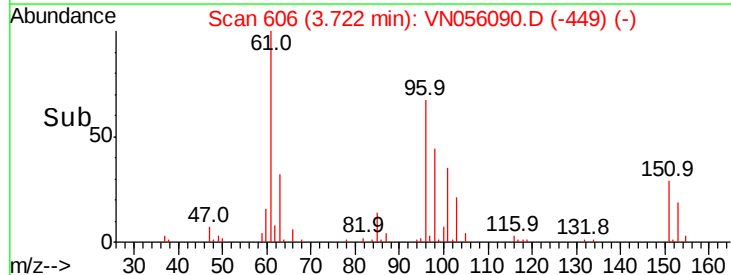
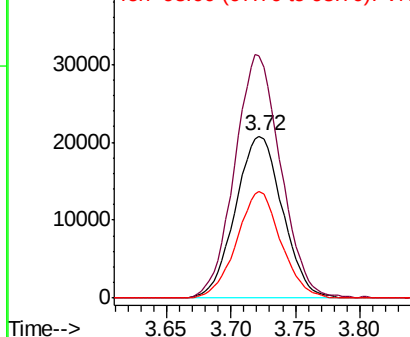
Lab File: VN056090.D

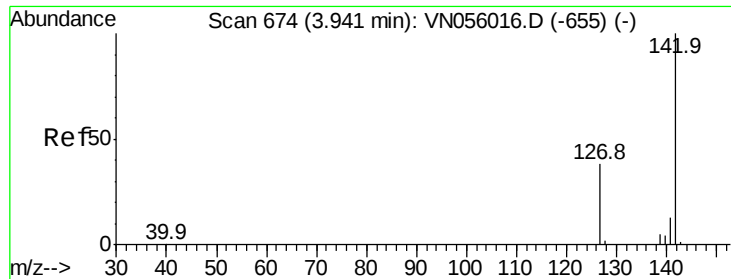
Acq: 7 Jun 2019 11:00

Tgt Ion:	96	Resp:	52879
Ion Ratio	Lower	Upper	
96	100		
61	149.8	119.7	179.5
98	65.9	52.3	78.5



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





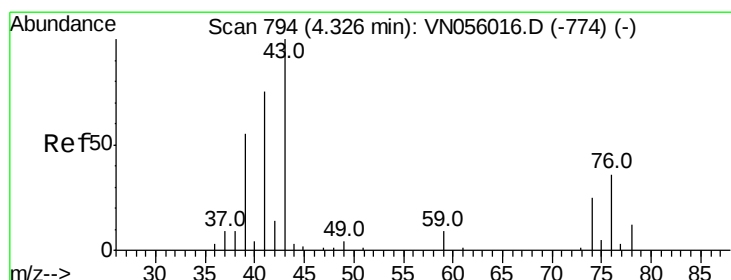
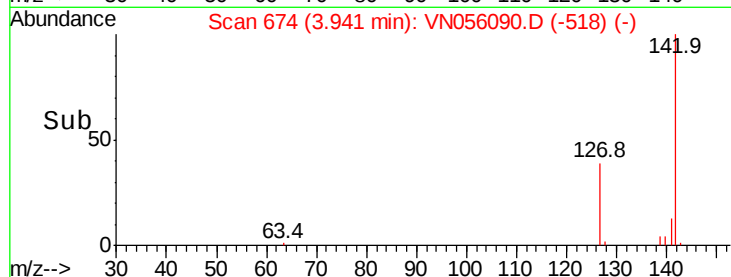
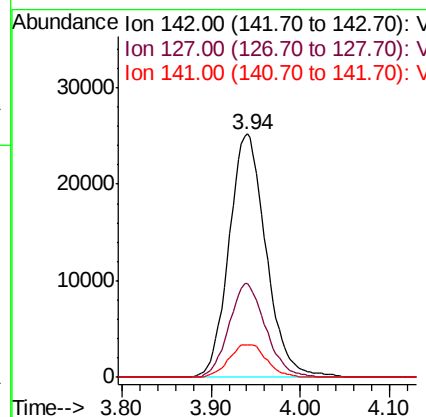
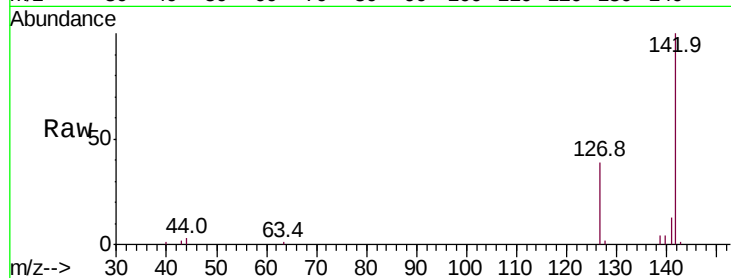
#11
Methvl Iodide
Concen: 17.291 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion:142 Resp: 72528
Ion Ratio Lower Upper
142 100
127 38.7 19.0 57.0
141 13.3 6.7 20.0

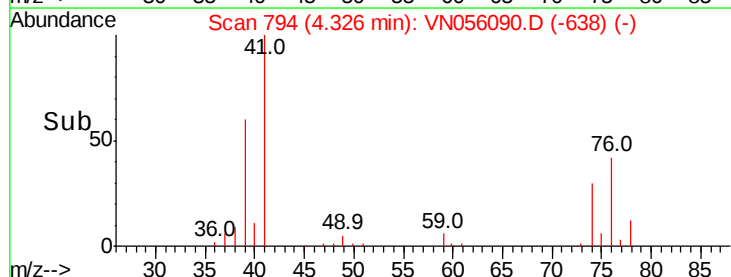
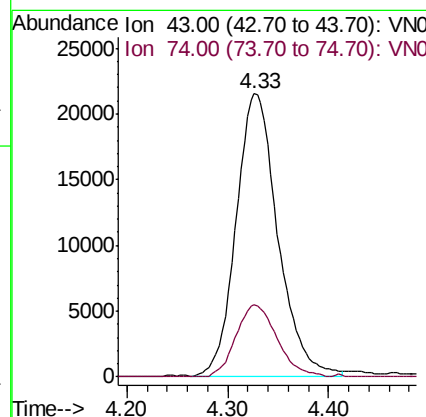
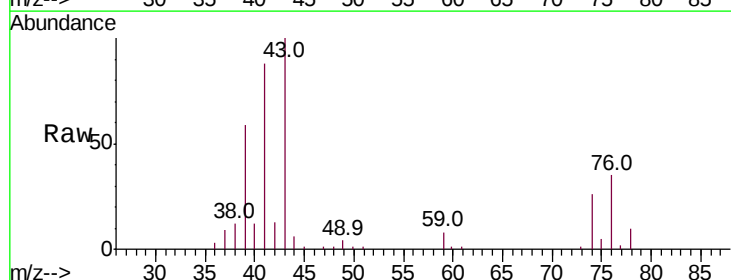
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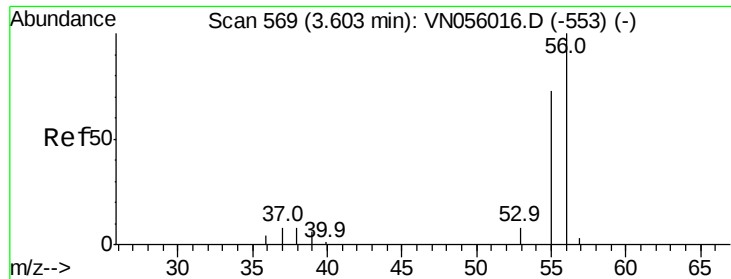
MMDadoda
6/10/2019 3:31:26 PM



#12
Methyl Acetate
Concen: 19.471 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion: 43 Resp: 62206
Ion Ratio Lower Upper
43 100
74 25.4 19.9 29.9





#13

Acrolein

Concen: 110.400 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 56 Resp: 17191

Ion Ratio Lower Upper

56 100

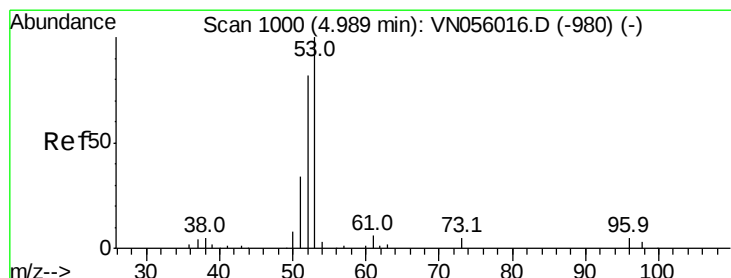
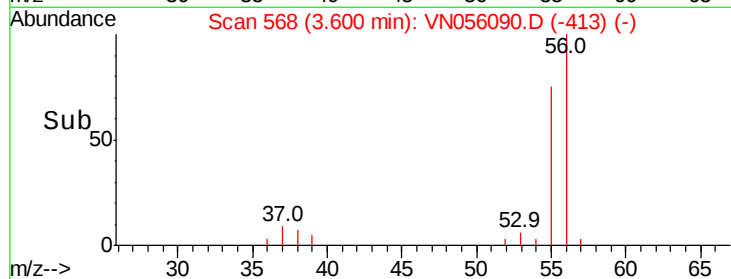
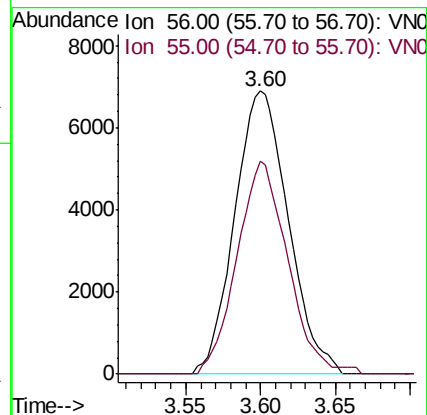
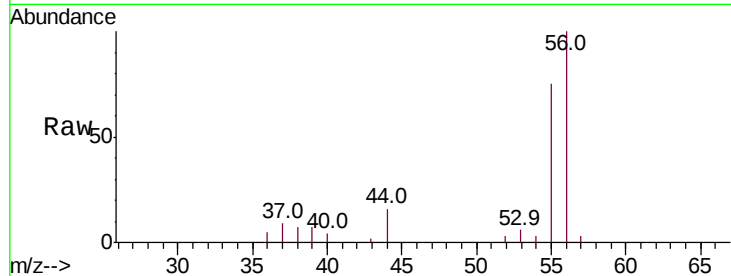
55 70.7 57.9 86.9

Manual Integrations

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#14

Acrylonitrile

Concen: 100.193 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

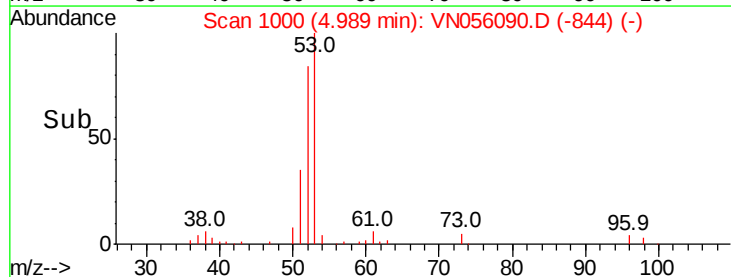
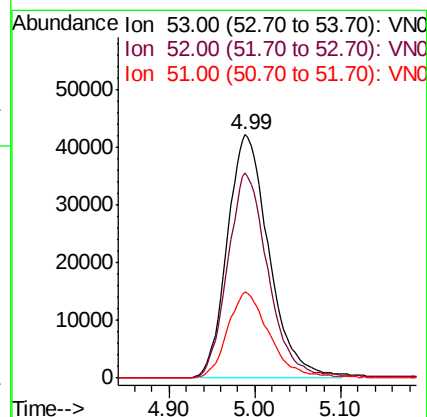
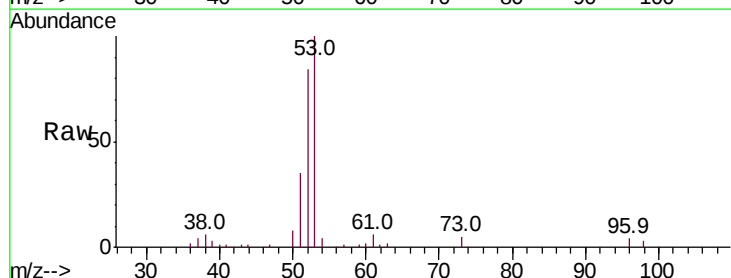
Tgt Ion: 53 Resp: 142745

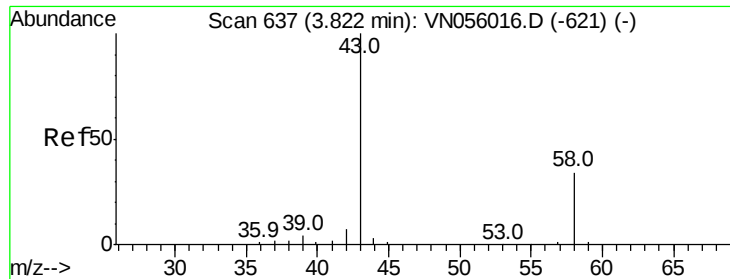
Ion Ratio Lower Upper

53 100

52 81.8 40.8 122.2

51 35.5 17.3 52.0





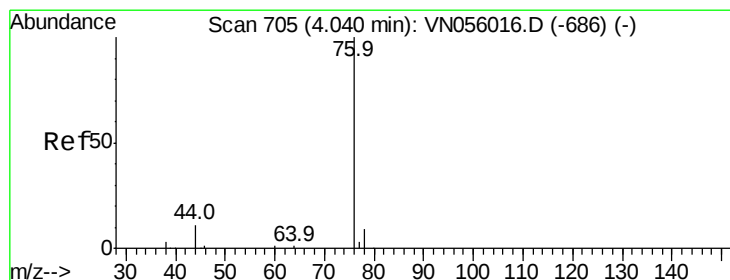
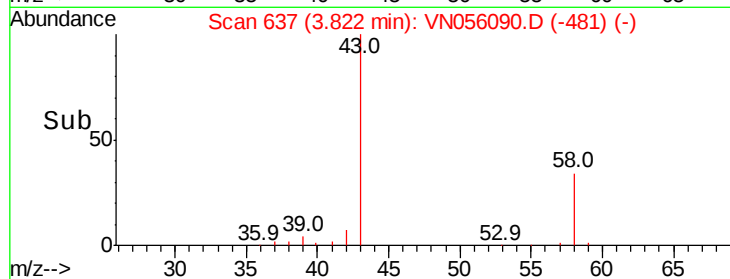
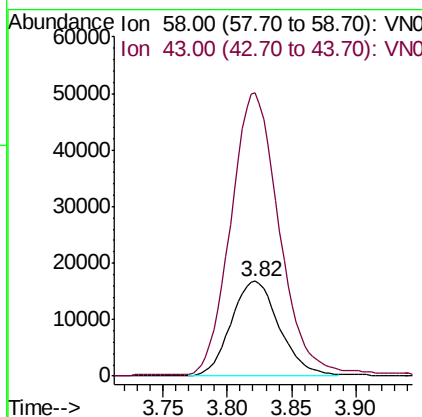
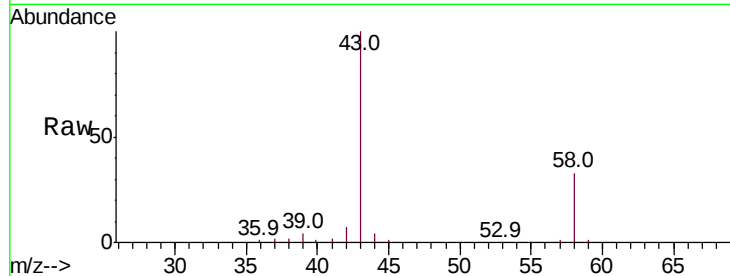
#15
Acetone
Concen: 93.998 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	58	43	Ratio	Lower	Upper
58	100				
43	296.3			232.5	348.7

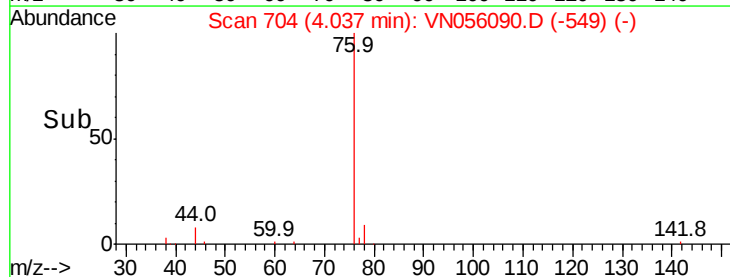
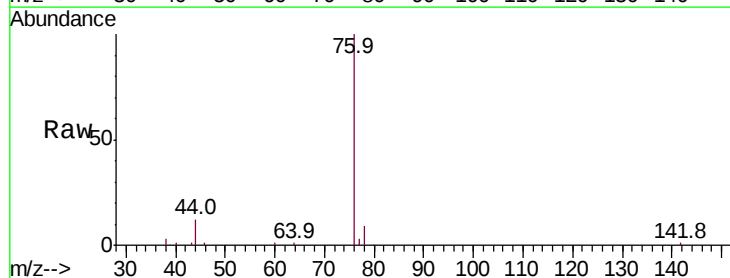
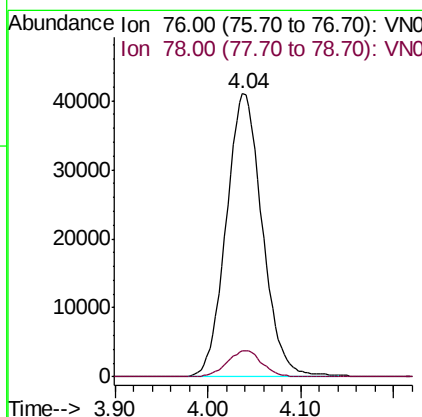
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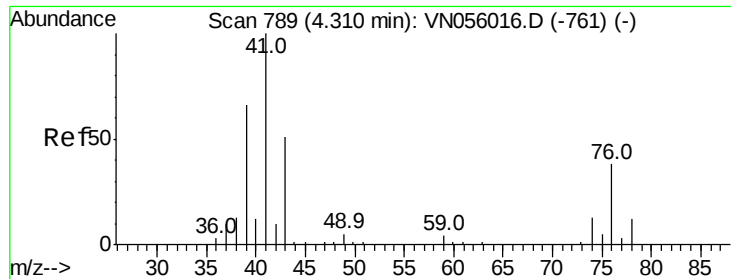
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#16
Carbon Disulfide
Concen: 17.532 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	76	78	Ratio	Lower	Upper
76	100				
78	9.1			7.3	10.9





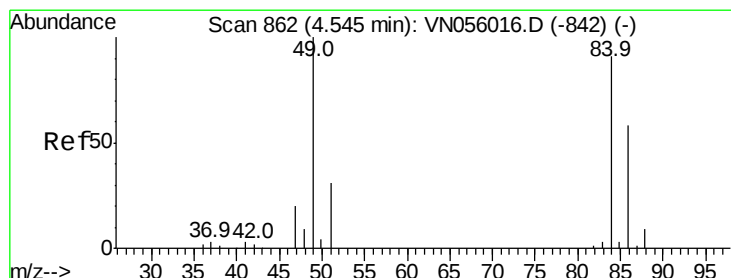
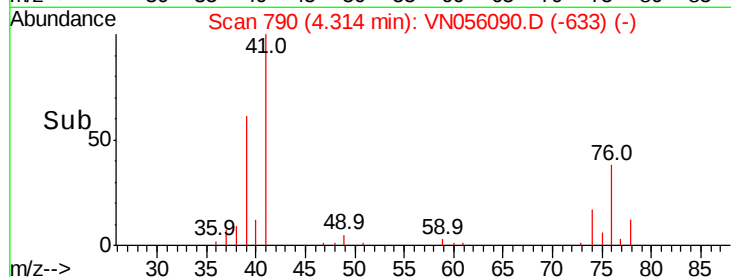
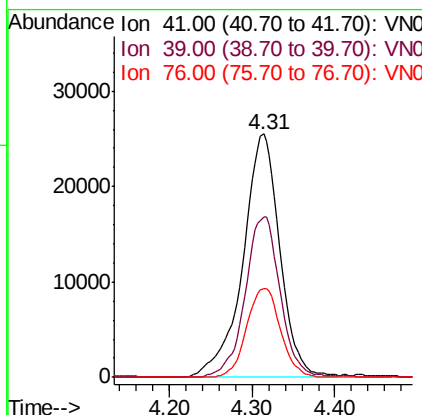
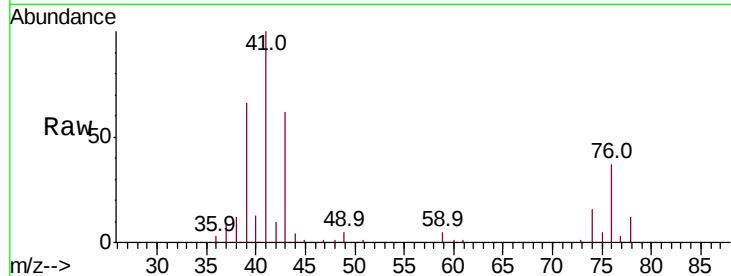
#17
Allvl chloride
Concen: 19.189 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.7	33.0	99.0
76	36.6	18.9	56.9

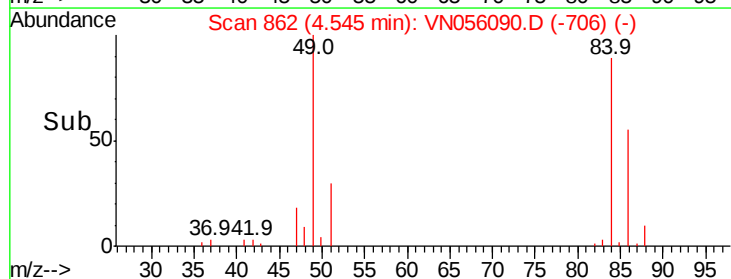
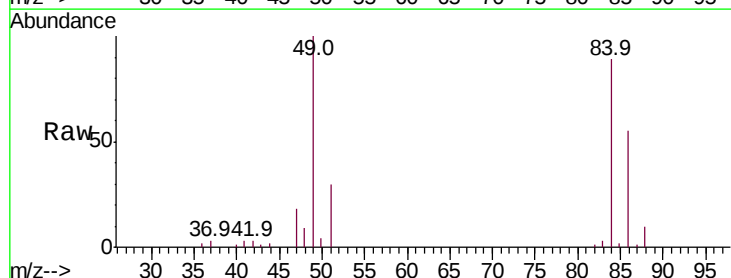
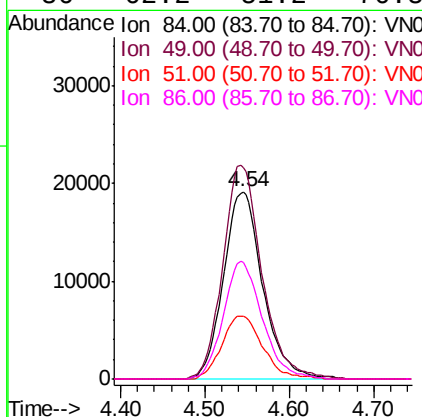
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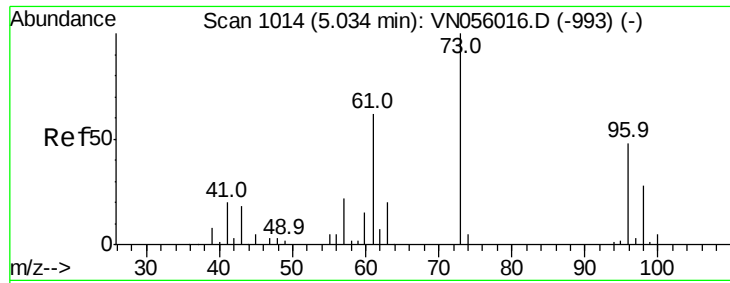
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#18
Methylene Chloride
Concen: 20.123 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.1	87.6	131.4
51	33.8	27.0	40.4
86	62.2	51.2	76.8





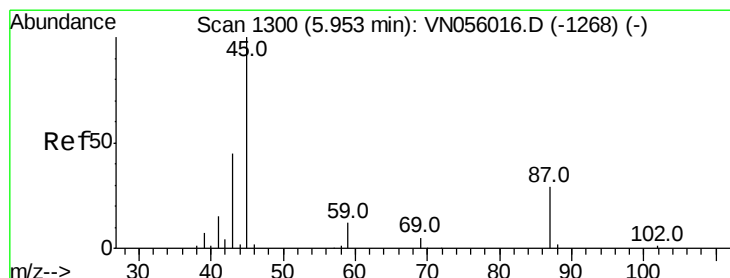
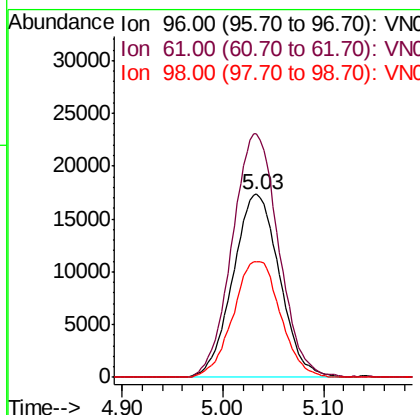
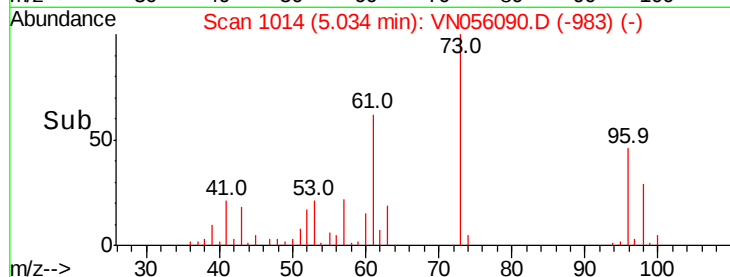
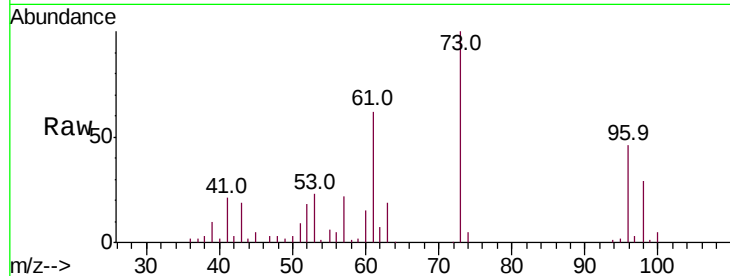
#19
trans-1,2-Dichloroethene
Concen: 19.639 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	102.5	153.7
98	62.9	46.9	70.3

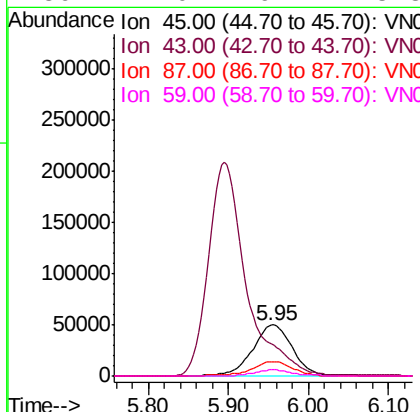
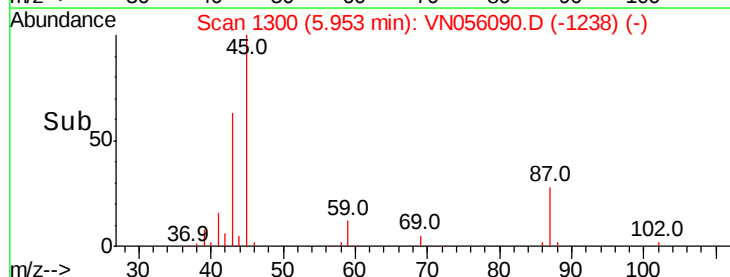
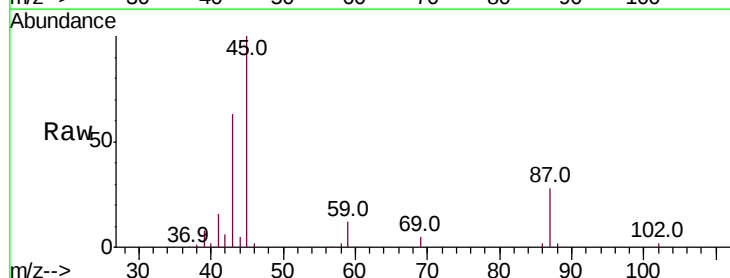
Manual Integrations
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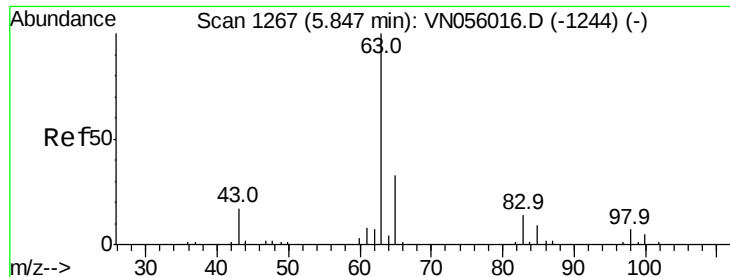
MMDadoda
6/10/2019 3:31:26 PM



#20
Diisopropyl ether
Concen: 20.010 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.0	72.0
87	27.3	23.4	35.2
59	12.0	9.2	13.8





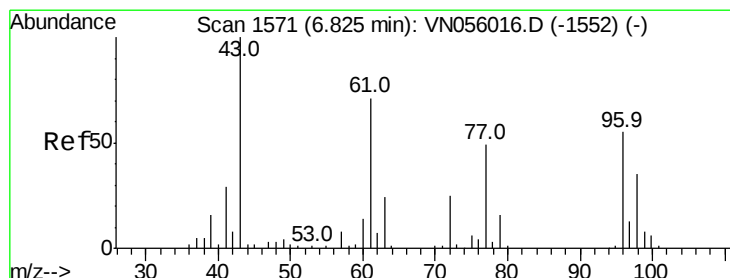
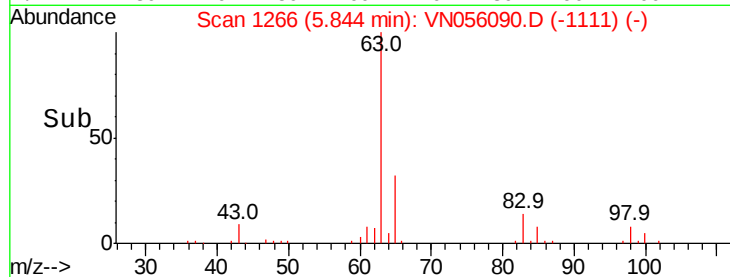
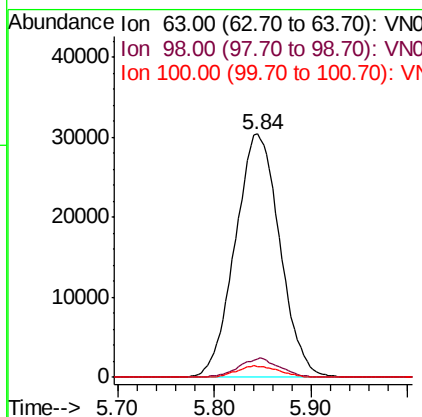
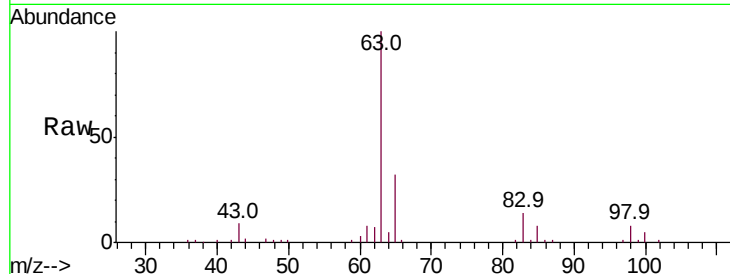
#21
 1,1-Dichloroethane
 Concen: 19.682 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.7		3.5	10.5
100	4.5		2.3	6.9

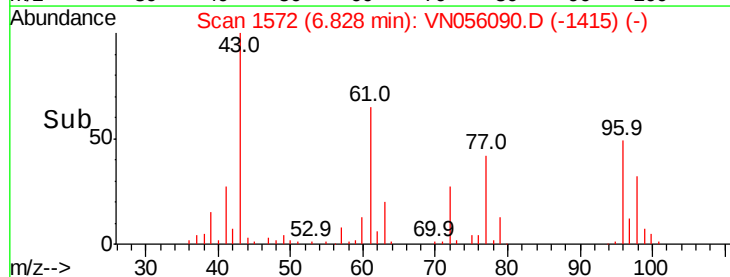
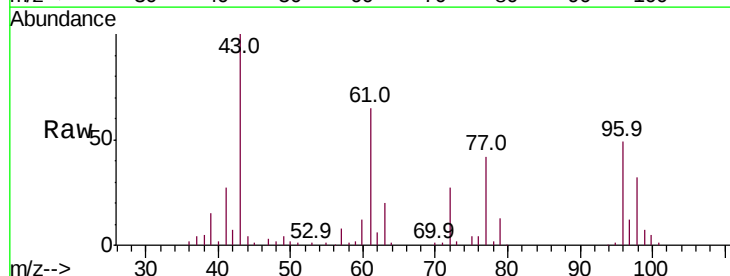
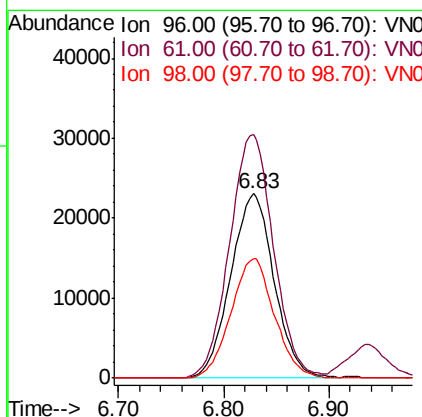
Manual Integrations
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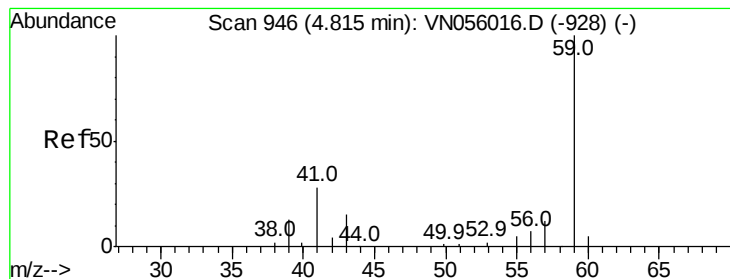
MMDadoda
 6/10/2019 3:31:26 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.951 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.6		105.7	158.5
98	64.7		52.0	78.0





#23

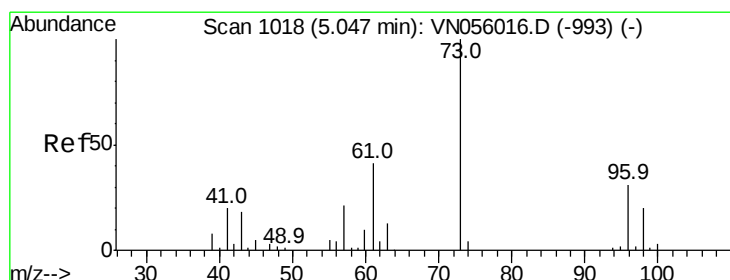
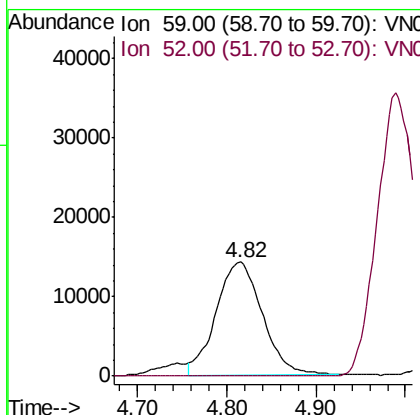
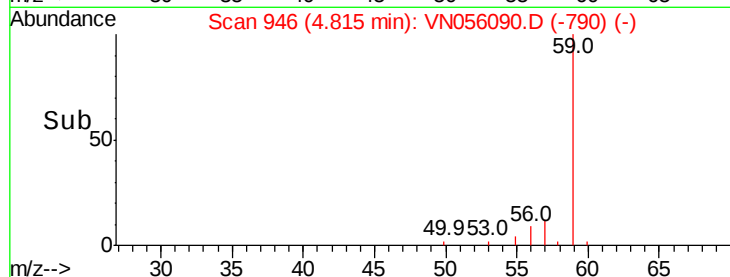
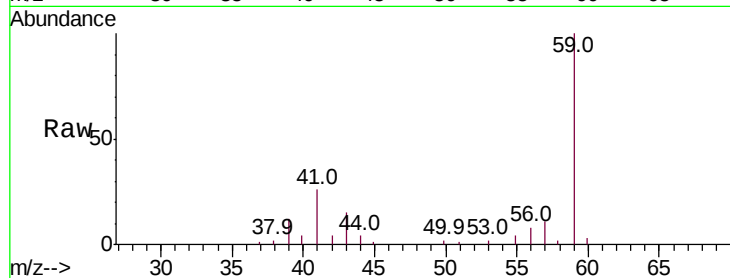
tert-Butyl Alcohol
 Concen: 93.200 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	59	52	Ratio	Lower	Upper
Resp:	51684				
Ion	100	0.0			
Ratio		0.0			
Lower		0.0			
Upper		0.0			

Manual Integrations
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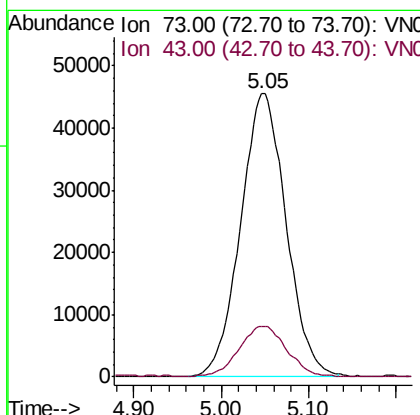
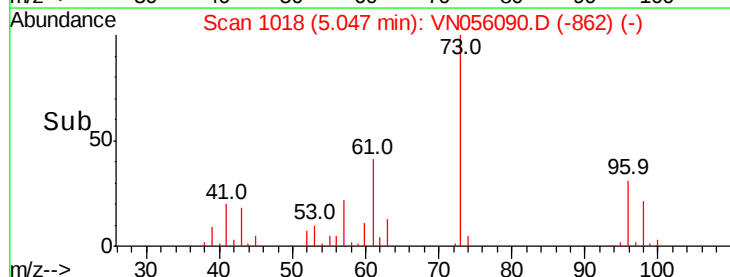
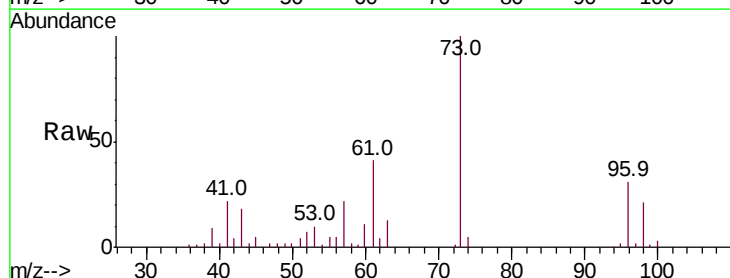
MMDadoda
 6/10/2019 3:31:26 PM

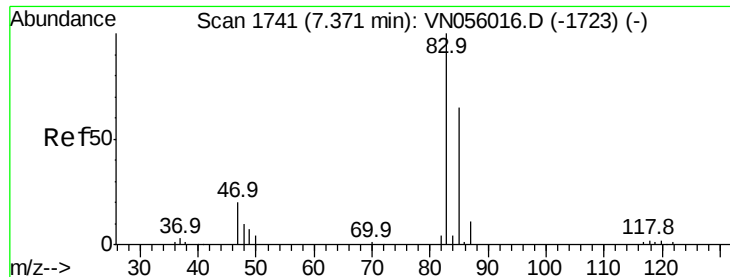


#24

Methyl tert-Butyl Ether
 Concen: 19.417 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	73	43	Ratio	Lower	Upper
Resp:	164514				
Ion	100	18.9			
Ratio		15.4			
Lower		23.0			
Upper					





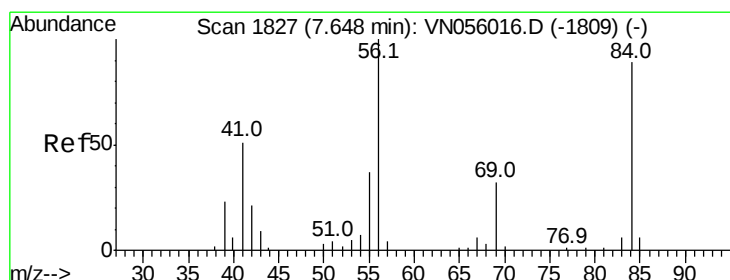
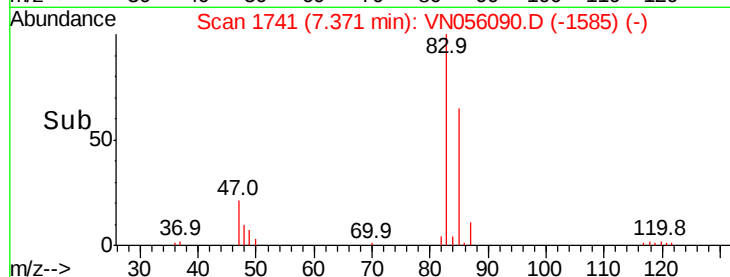
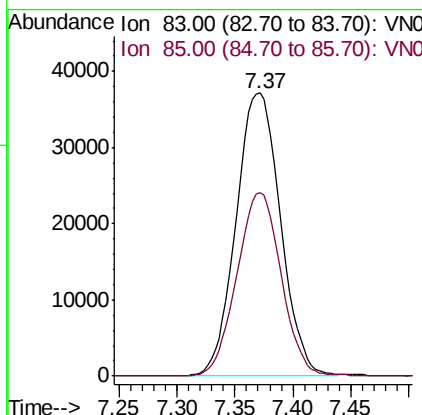
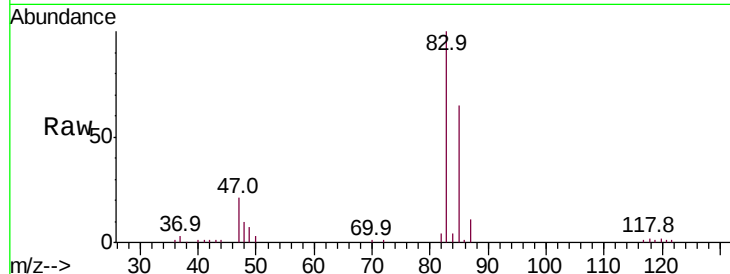
#25
Chloroform
Concen: 20.014 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion: 83 Resp: 99122
Ion Ratio Lower Upper
83 100
85 64.6 52.0 78.0

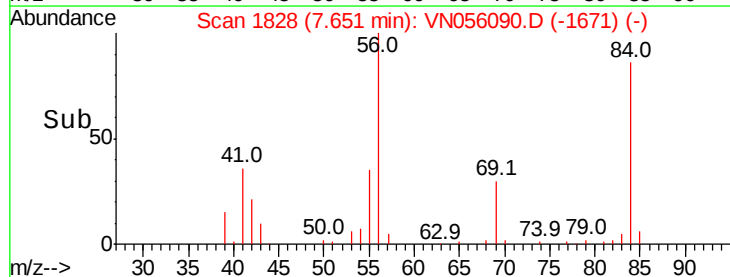
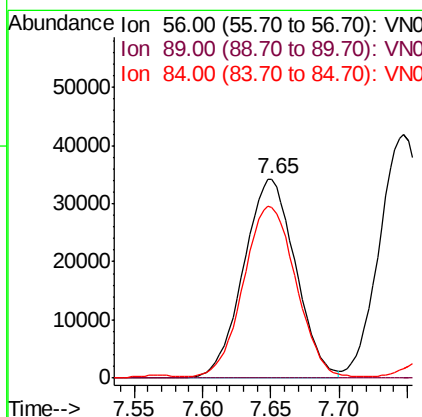
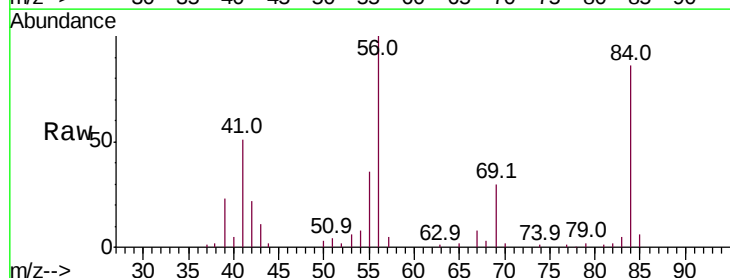
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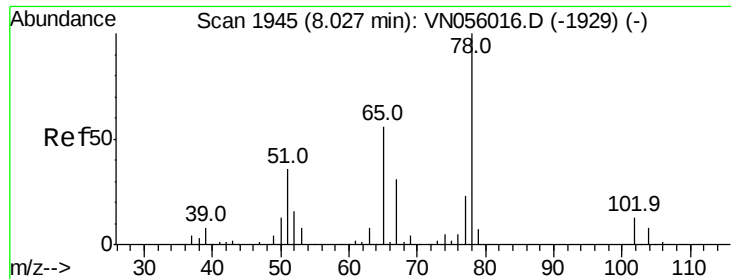
MMDadoda
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#26
Cyclohexane
Concen: 19.718 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion: 56 Resp: 90730
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.6 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.103 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 65 Resp: 95208

Ion Ratio Lower Upper

65 100

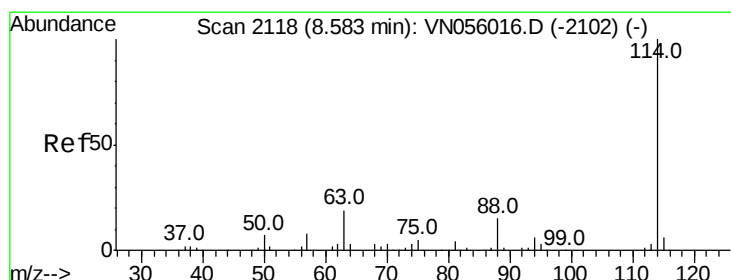
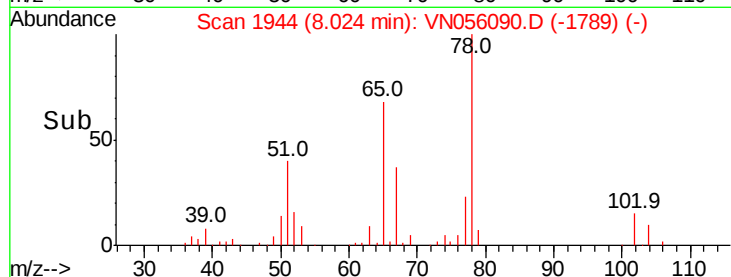
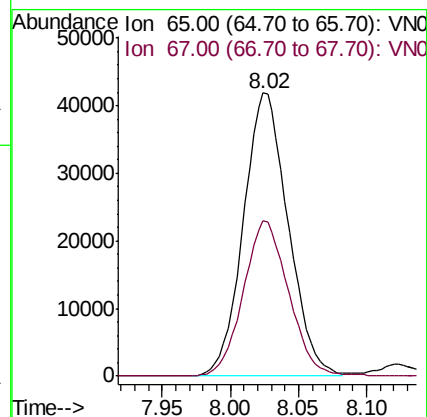
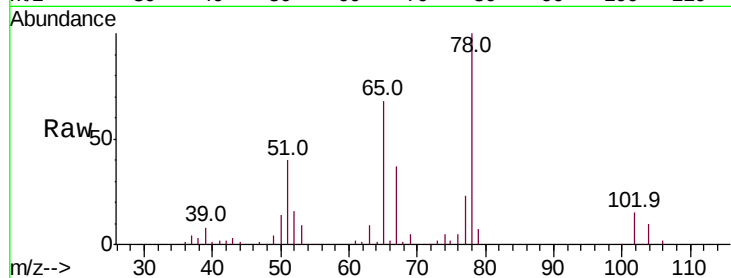
67 55.4 43.4 65.2

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

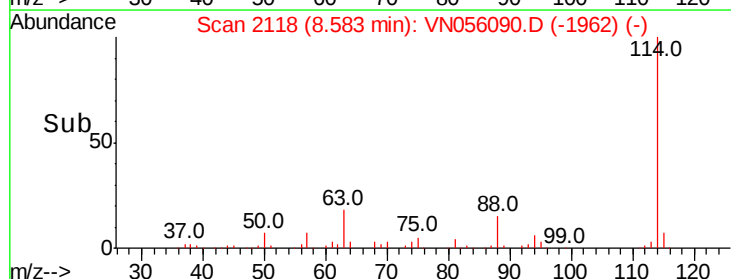
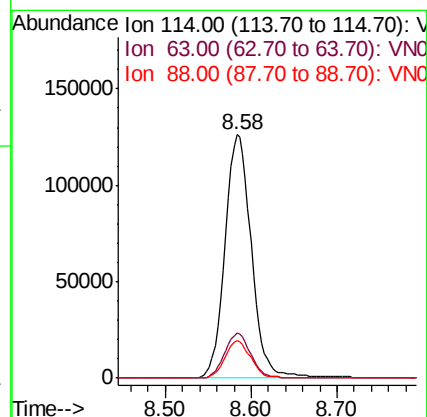
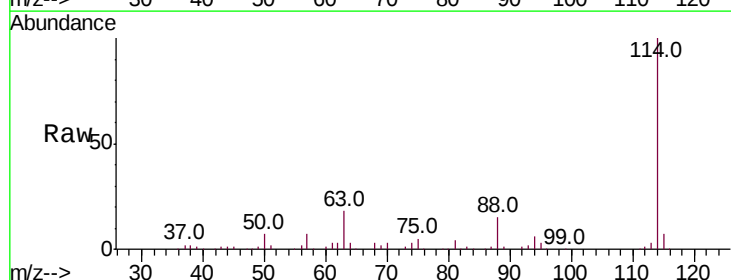
Tgt Ion: 114 Resp: 270231

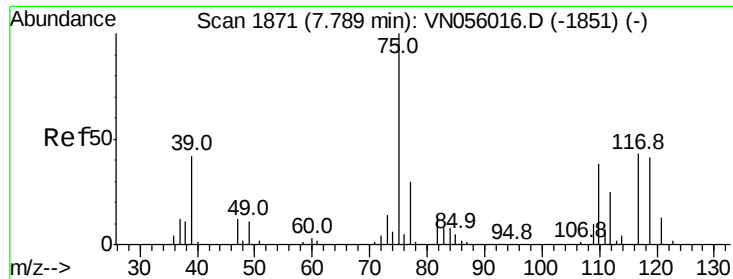
Ion Ratio Lower Upper

114 100

63 18.2 14.7 22.1

88 15.0 11.9 17.9





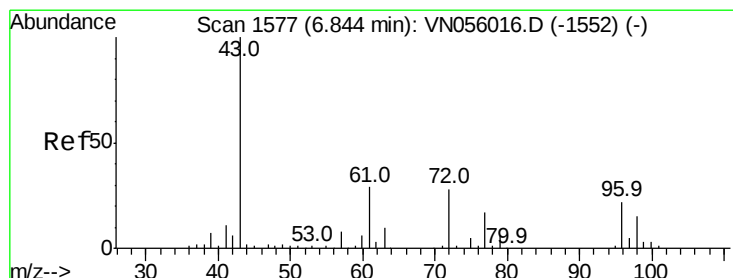
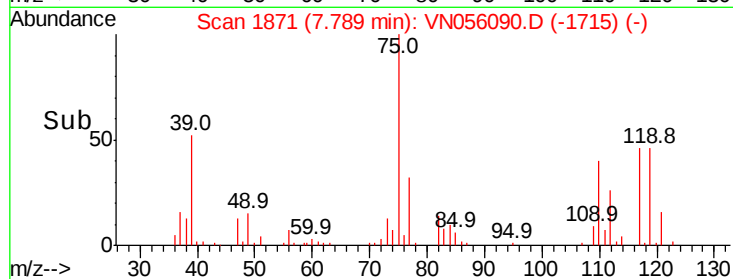
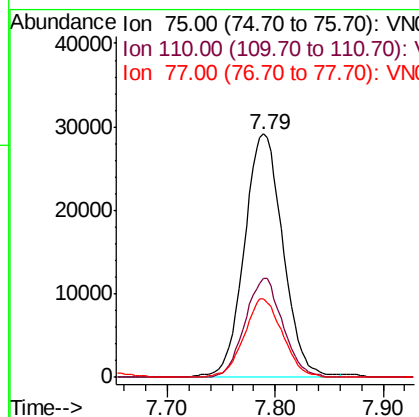
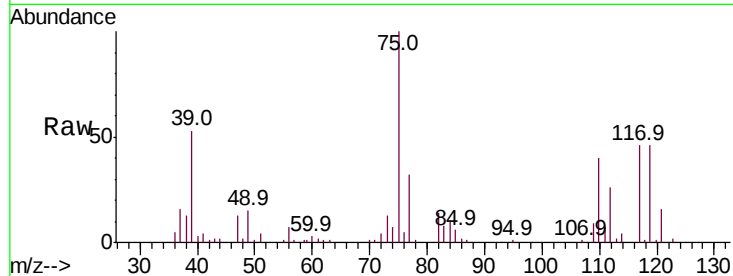
#29
 1,1-Dichloropropene
 Concen: 19.830 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.4	0.0	77.0
77	31.9	0.0	62.4

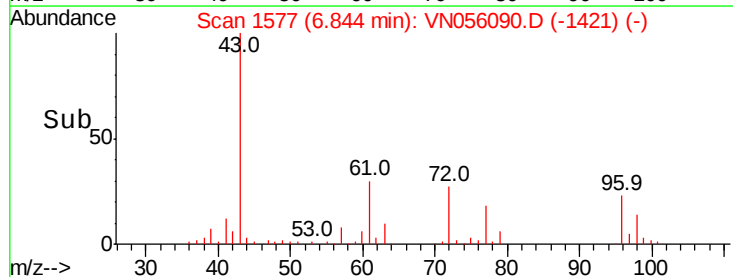
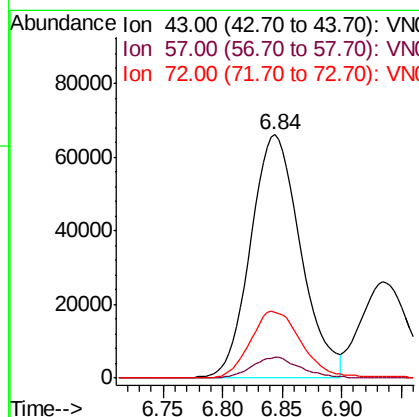
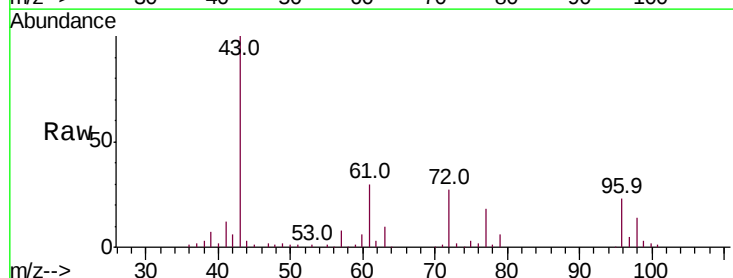
Manual Integrations
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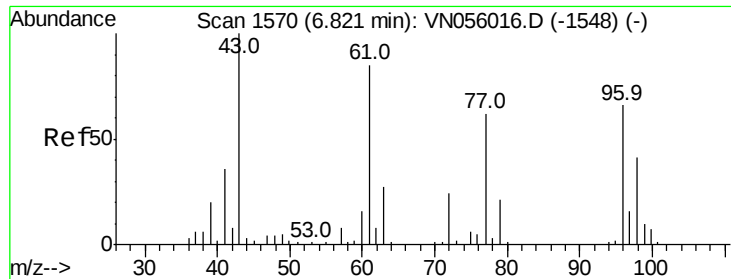
MMDadoda
 6/10/2019 3:31:26 PM



#30
 2-Butanone
 Concen: 99.183 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.7	10.1
72	28.5	22.4	33.6





#31

2,2-Dichloropropane

Concen: 19.531 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 77 Resp: 66416

Ion Ratio Lower Upper

77 100

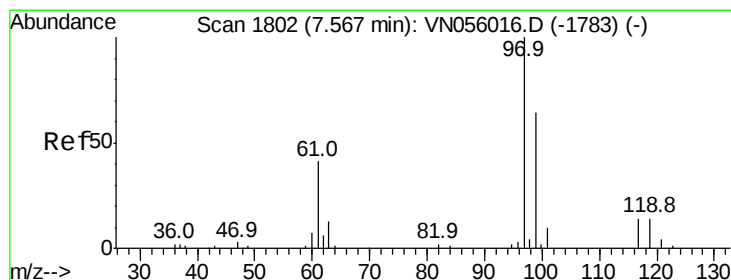
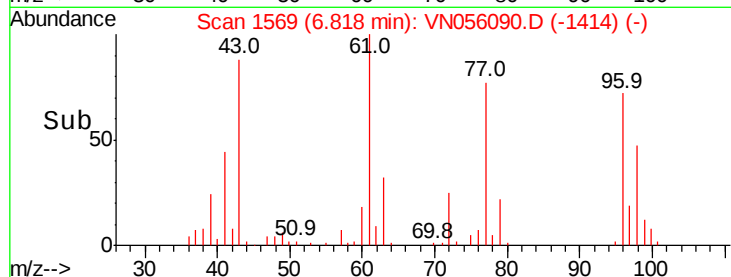
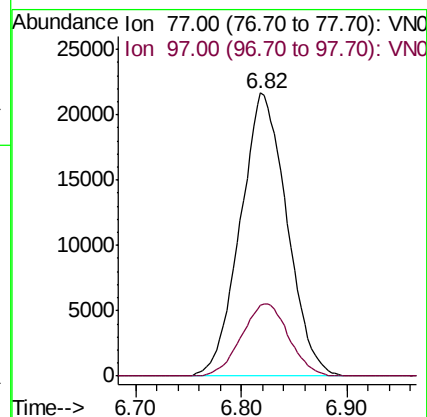
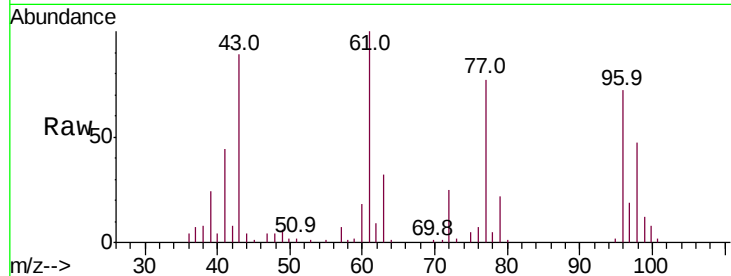
97 25.8 20.8 31.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.918 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

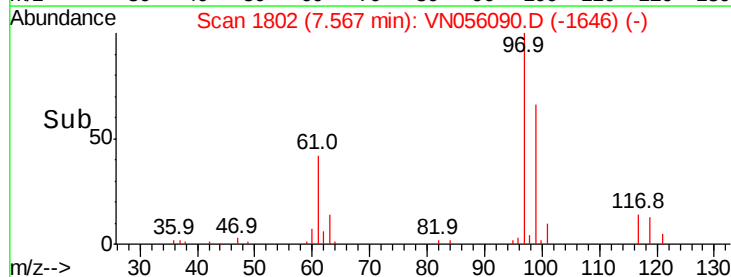
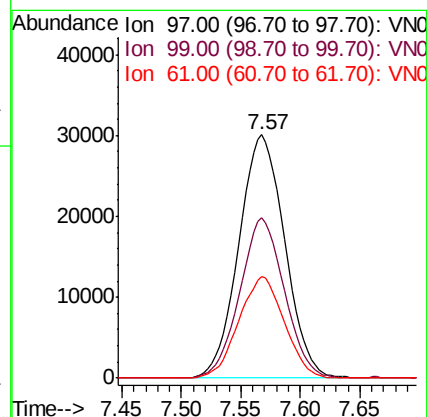
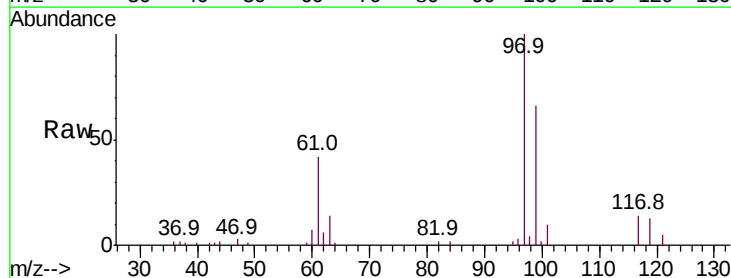
Tgt Ion: 97 Resp: 80441

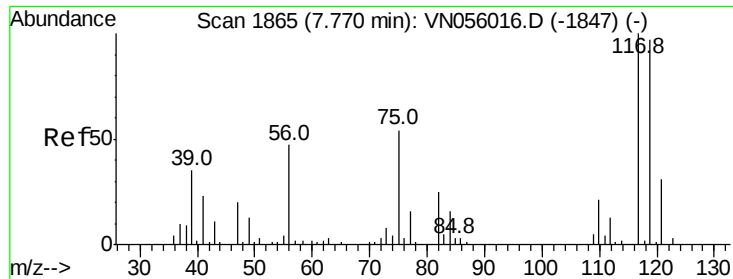
Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

61 41.2 32.9 49.3





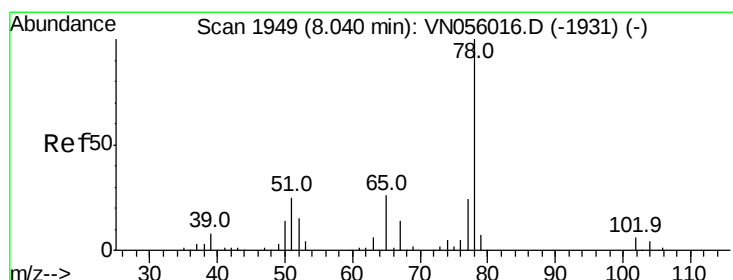
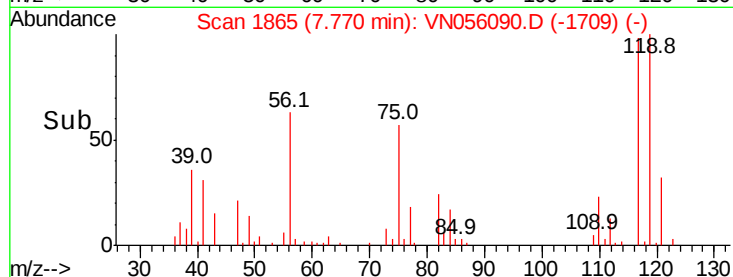
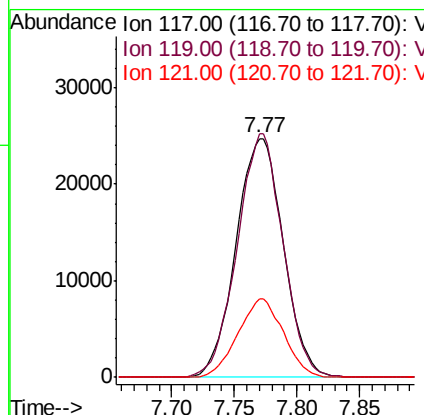
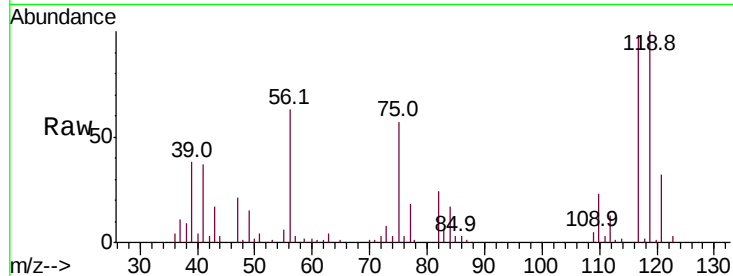
#33
Carbon Tetrachloride
Concen: 18.952 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion:117 Resp: 64846
Ion Ratio Lower Upper
117 100
119 101.1 77.3 115.9
121 32.7 25.0 37.4

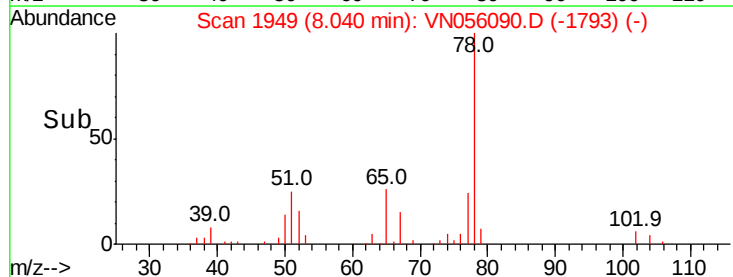
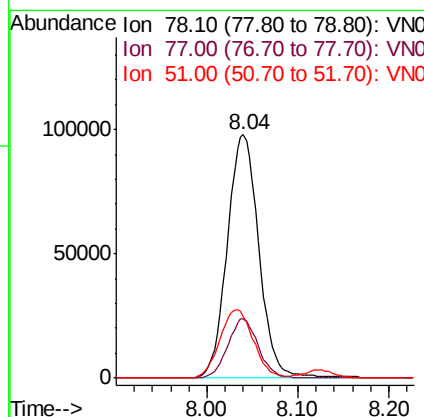
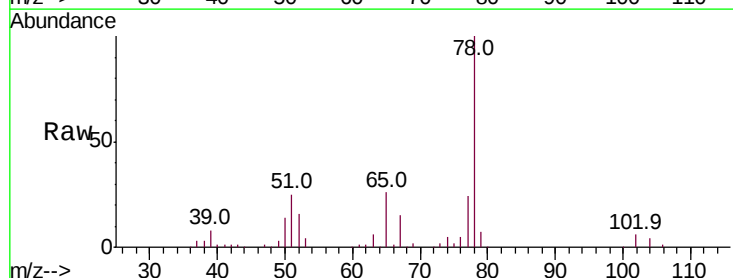
Manual Integrations
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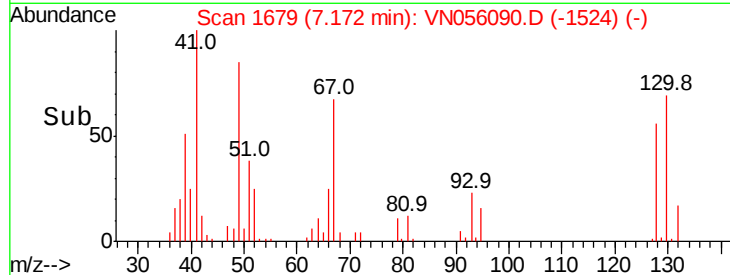
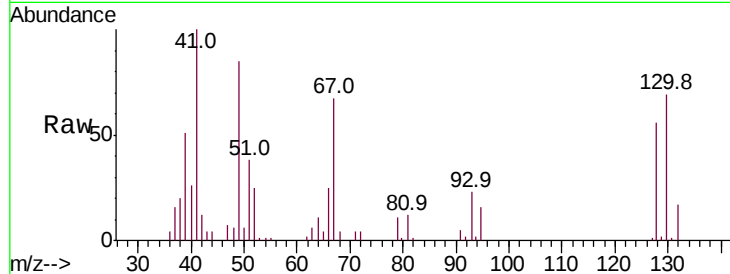
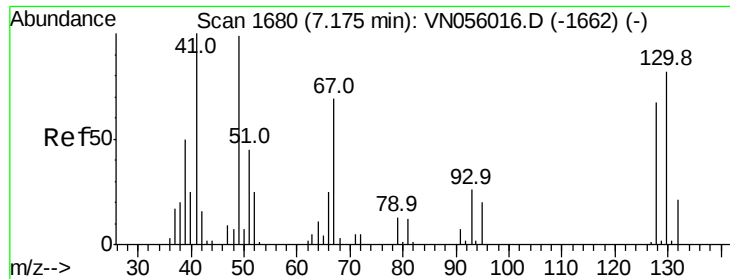
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#34
Benzene
Concen: 20.330 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion: 78 Resp: 236777
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9
51 25.2 19.8 29.8





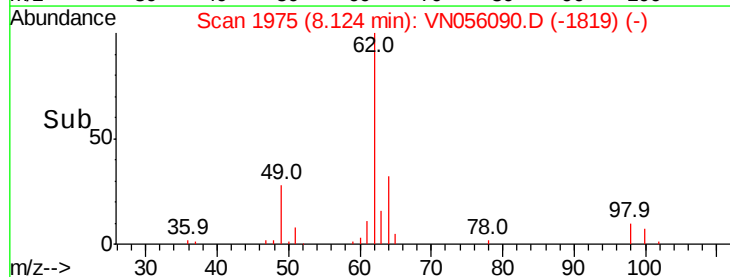
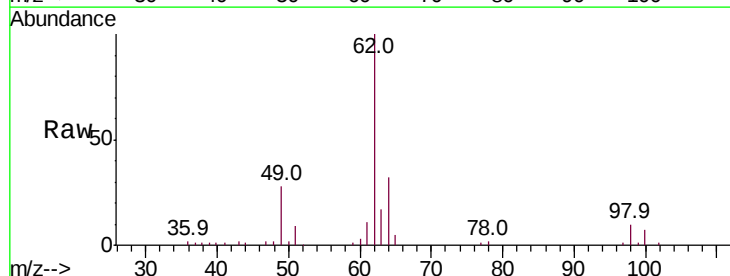
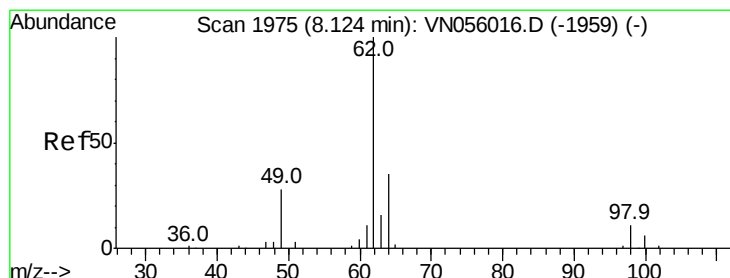
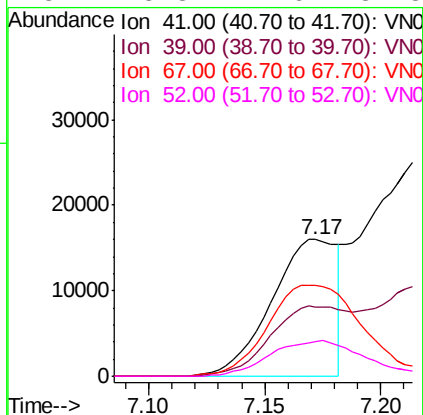
#35
Methacrylonitrile
Concen: 19.334 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.8	24.8	74.3	
67	66.9	34.3	102.9	
52	25.3	12.6	37.8	

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD01

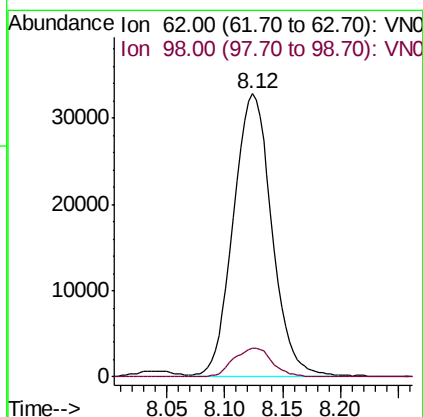
Manual Integrations
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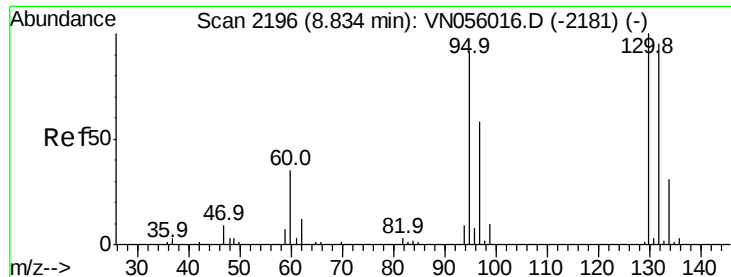
MMDadoda
6/10/2019 3:31:26 PM



#36
1,2-Dichloroethane
Concen: 20.816 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	8.6	13.0	





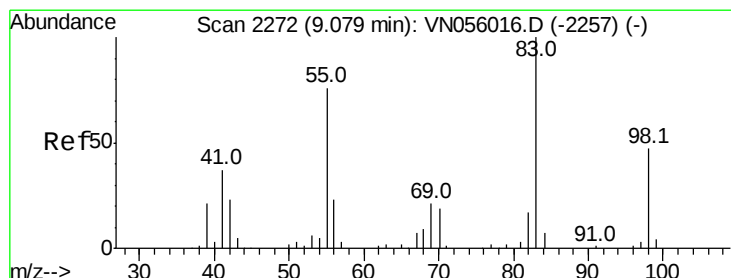
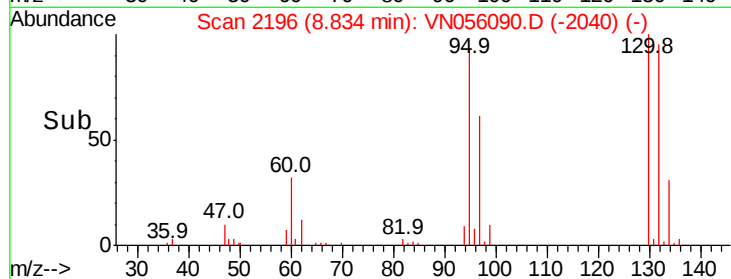
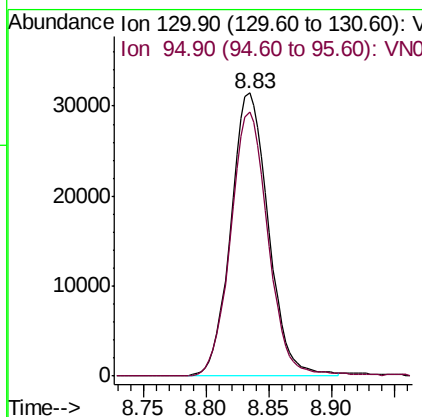
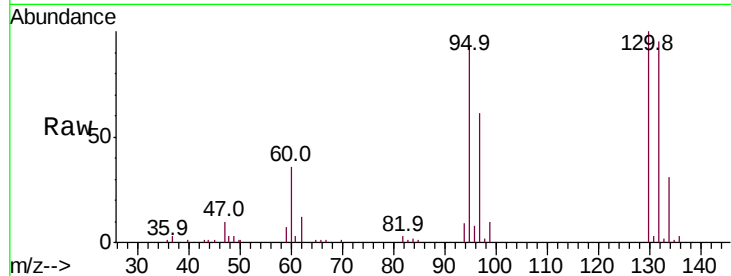
#37
 Trichloroethene
 Concen: 20.128 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD01

Tot Ion:130 Resp: 65597
 Ion Ratio Lower Upper
 130 100
 95 93.3 73.0 109.6

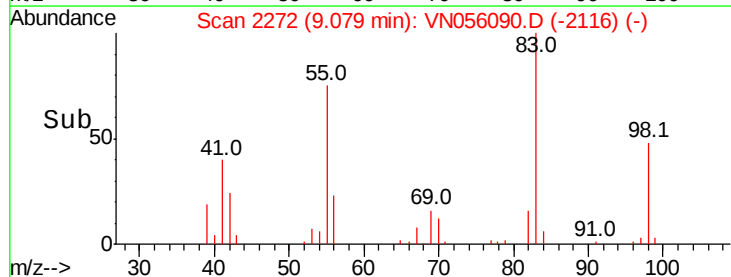
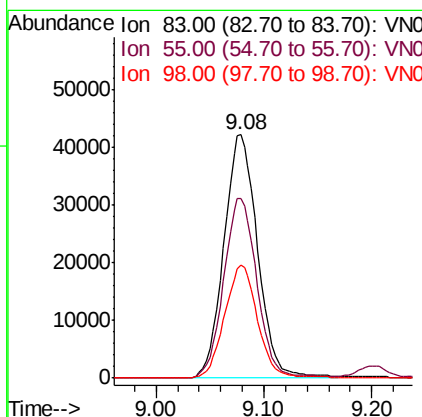
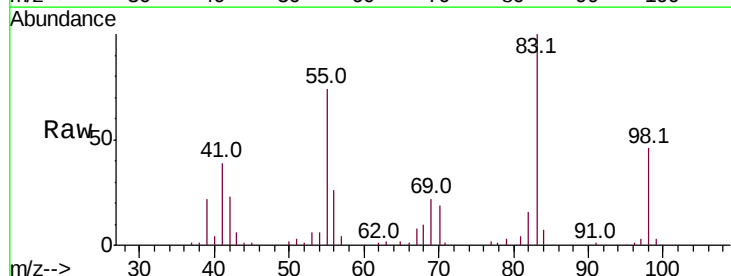
Manual Integrations
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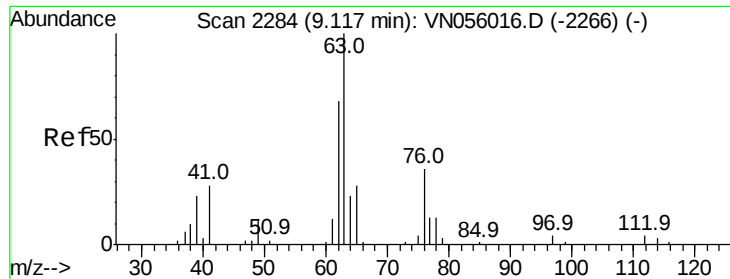
MMDadoda
 6/10/2019 3:31:26 PM



#38
 Methylcyclohexane
 Concen: 19.864 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion: 83 Resp: 92052
 Ion Ratio Lower Upper
 83 100
 55 72.3 37.5 112.7
 98 44.9 23.1 69.3





#39

1,2-Dichloropropane

Concen: 20.595 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 63 Resp: 61432

Ion Ratio Lower Upper

63 100

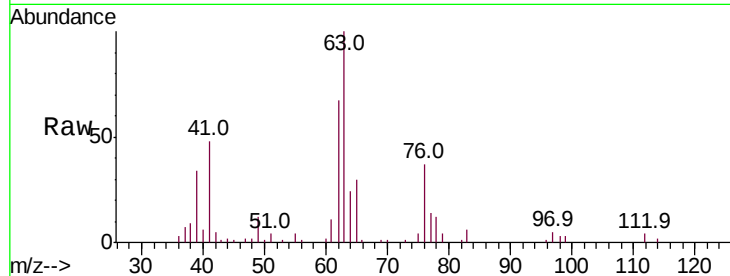
65 30.2 23.1 34.7

Manual Integrations

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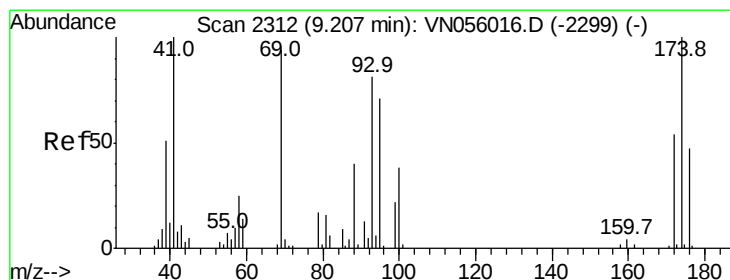
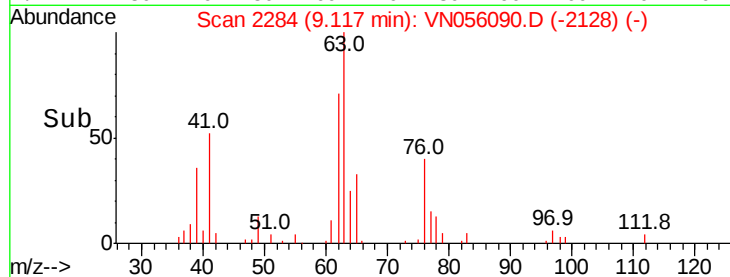
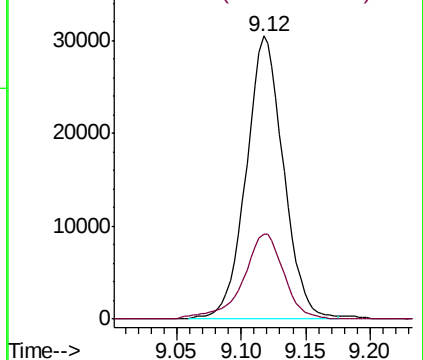
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.909 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

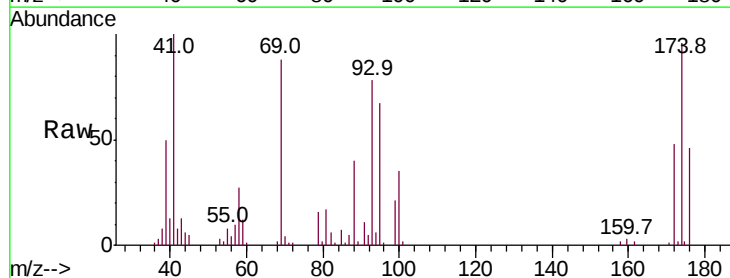
Tgt Ion: 93 Resp: 39376

Ion Ratio Lower Upper

93 100

95 86.5 0.0 169.0

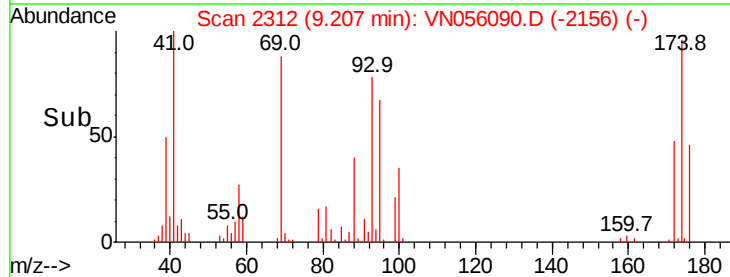
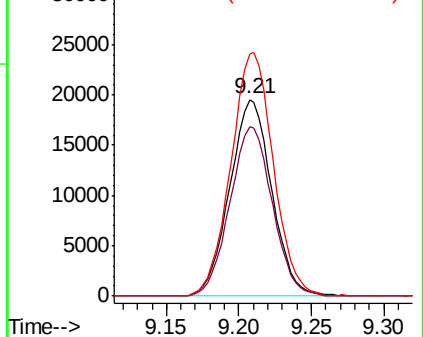
174 124.9 0.0 246.4

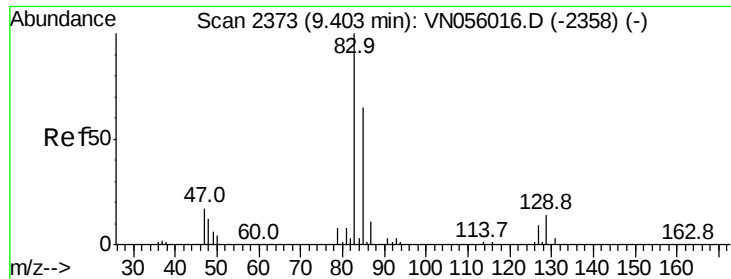


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.071 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

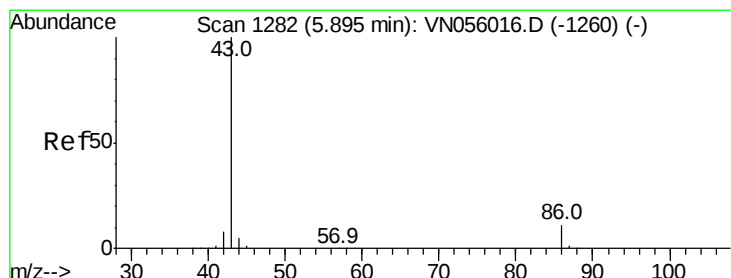
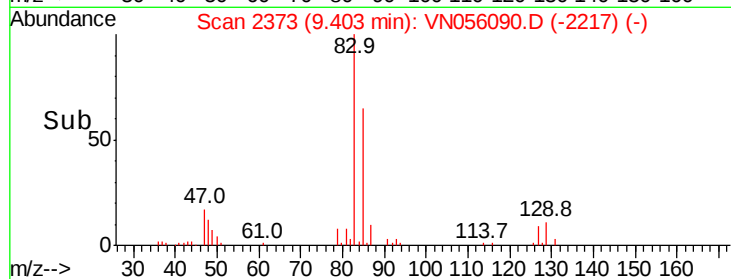
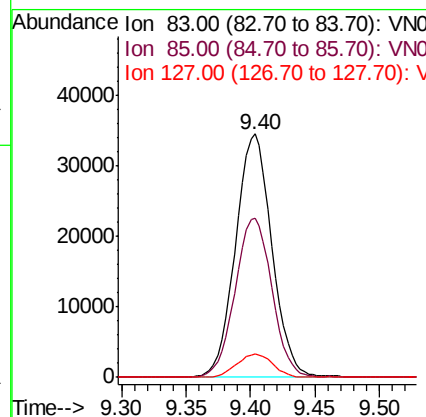
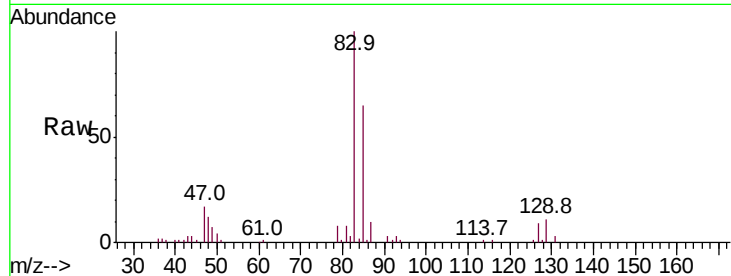
ClientSampleId :

VN0608WBSD01

Tot Ion:	83	Resp:	67541
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.8	77.6
127	9.4	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 99.803 ug/l

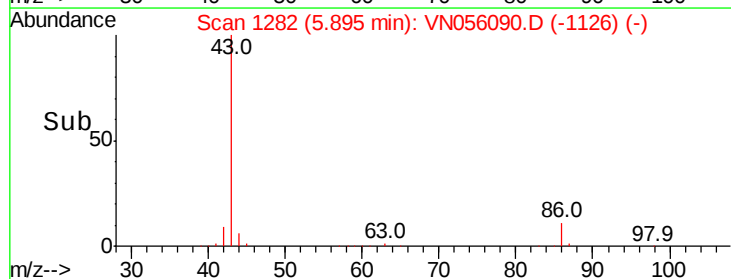
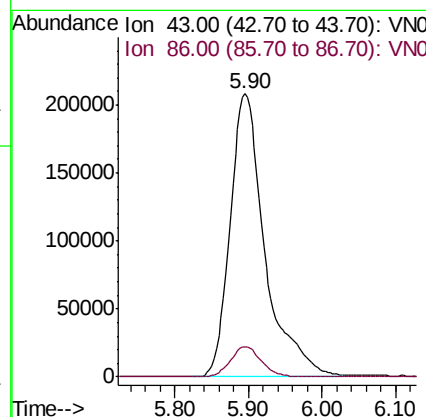
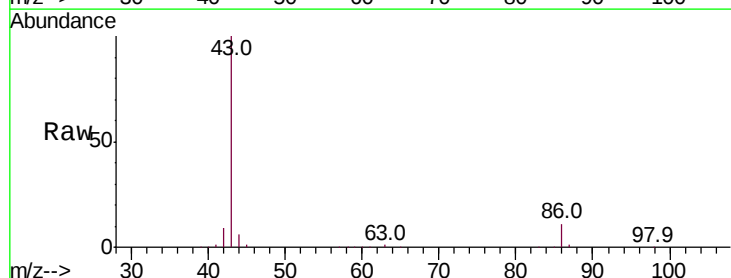
RT: 5.90 min Scan# 1282

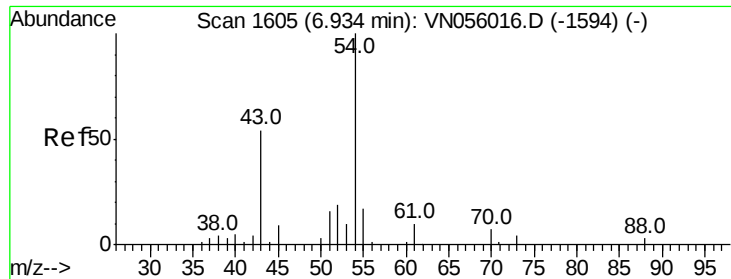
Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	43	Resp:	684710
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.9	11.9





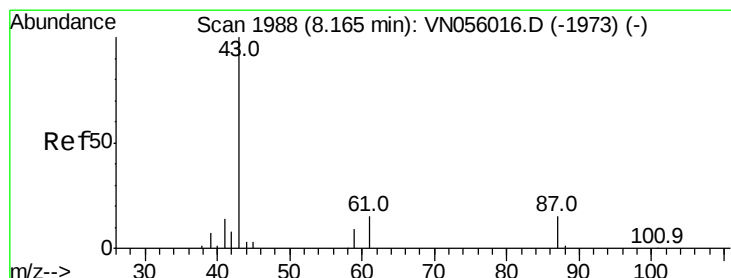
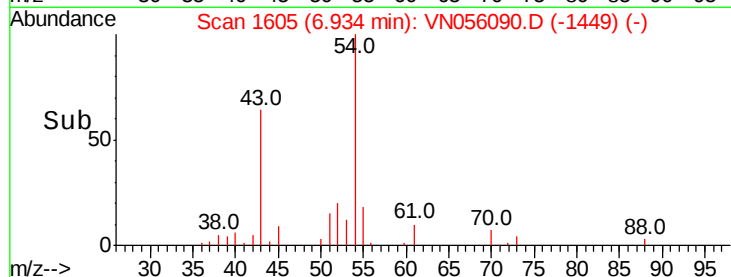
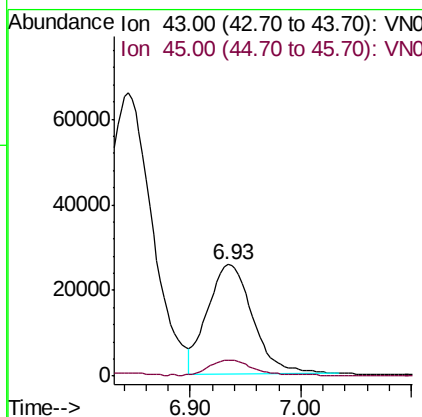
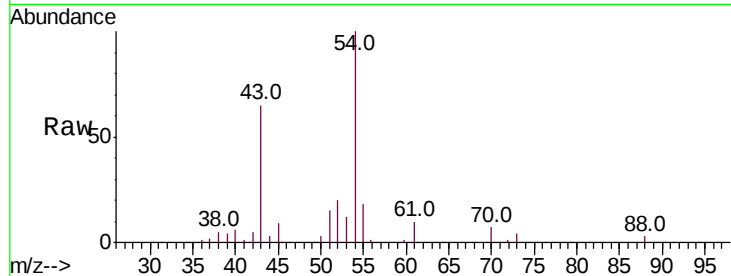
#43
Ethyl Acetate
Concen: 19.745 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD01

Tot Ion: 43 Resp: 72718
Ion Ratio Lower Upper
43 100
45 12.7 12.3 18.5

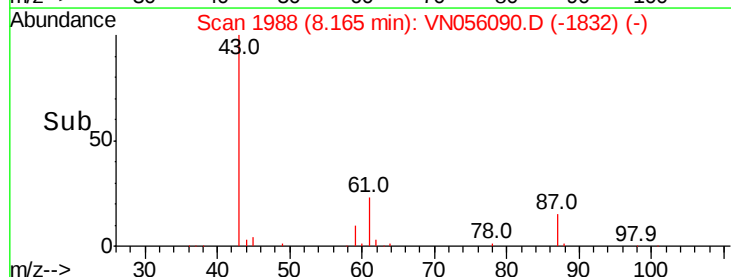
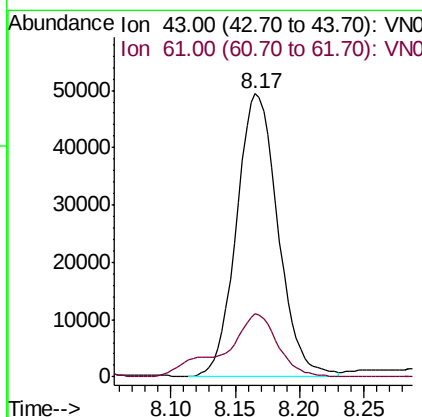
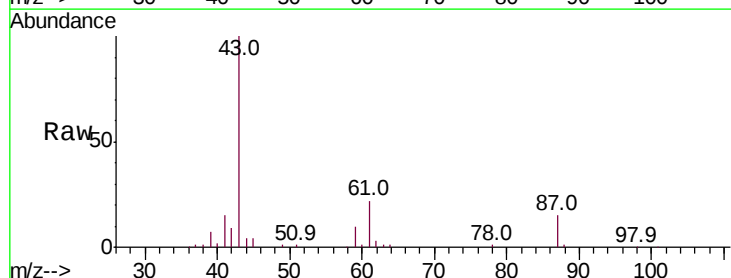
Manual Integrations
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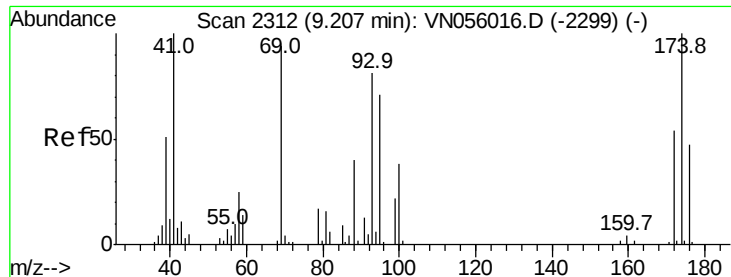
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.426 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion: 43 Resp: 111083
Ion Ratio Lower Upper
43 100
61 21.1 16.9 25.3





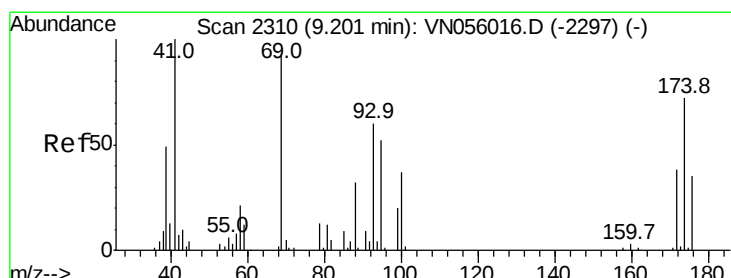
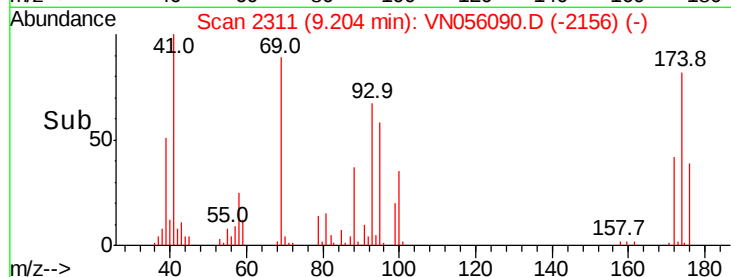
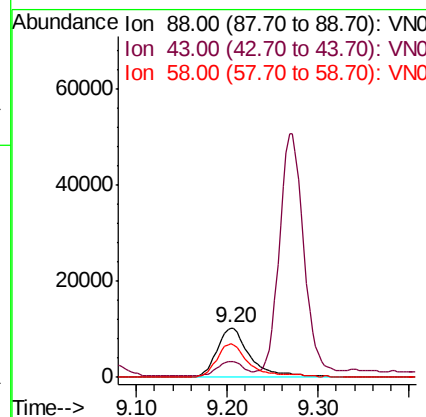
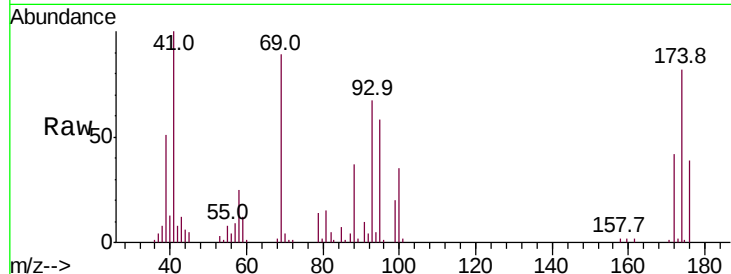
#45
1,4-Dioxane
Concen: 425.564 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.4	19.8	29.6
58	62.6	48.5	72.7

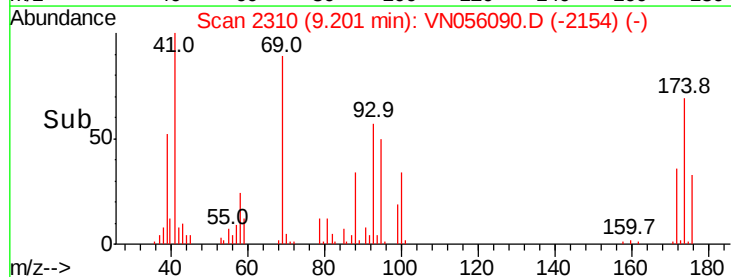
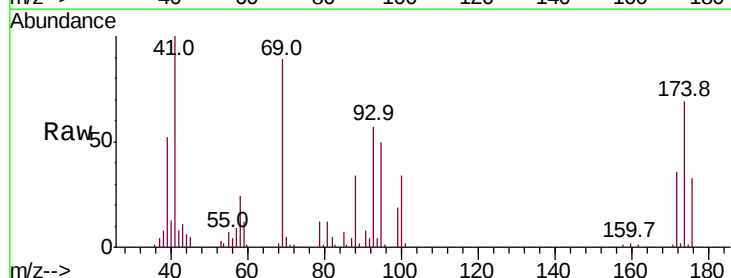
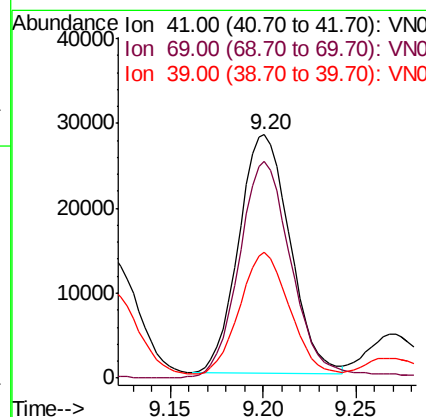
Manual Integrations
APPROVED

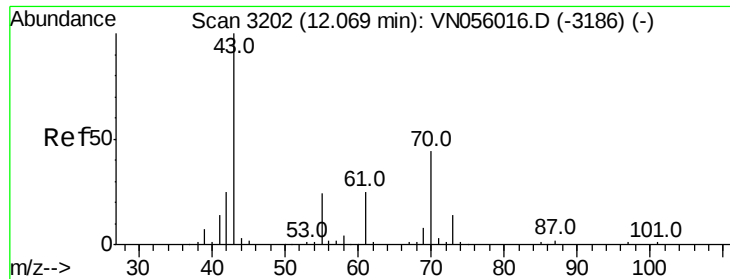
MMDadoda
6/10/2019 3:31:26 PM



#46
Methyl methacrylate
Concen: 19.014 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.2	46.0	137.8
39	51.4	24.6	73.8





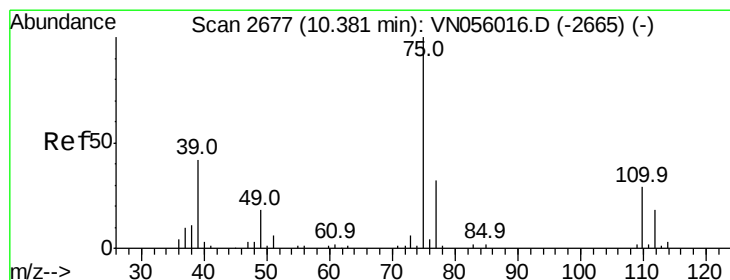
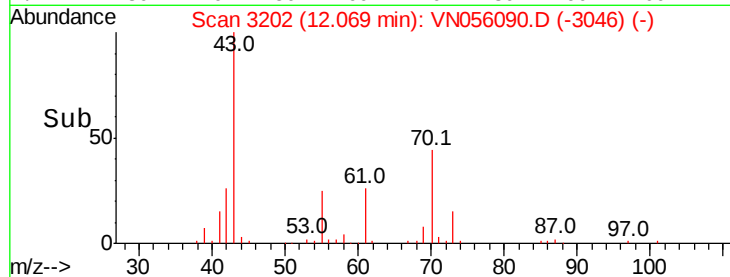
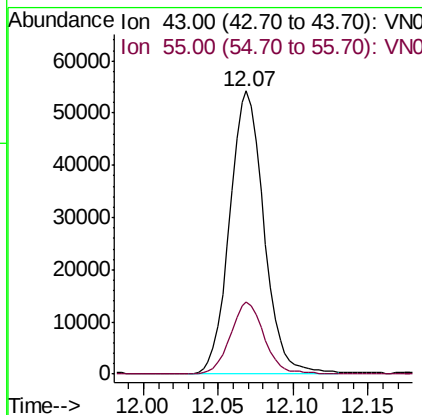
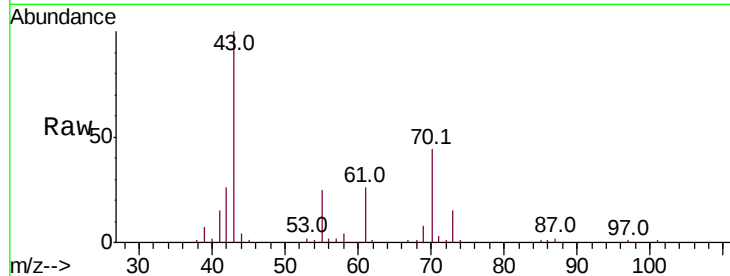
#47
n-amvl Acetate
Concen: 18.368 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion: 43 Resp: 86860
Ion Ratio Lower Upper
43 100
55 25.0 19.0 28.6

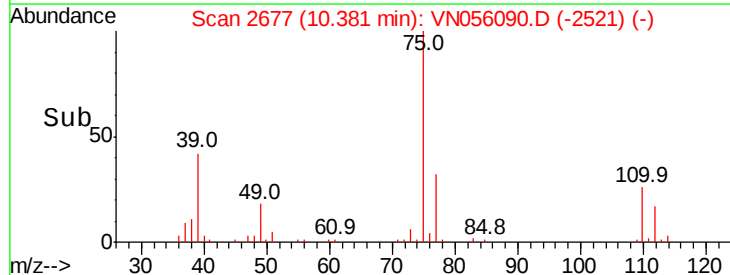
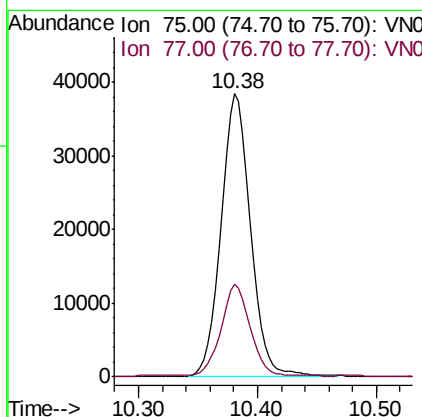
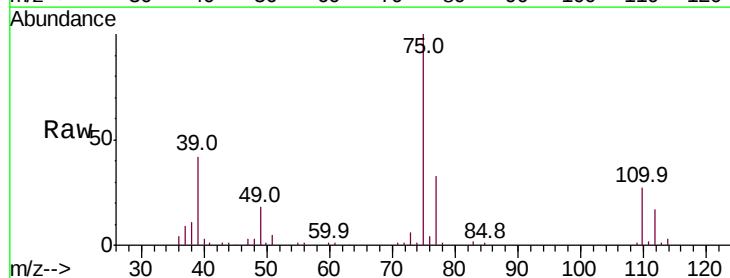
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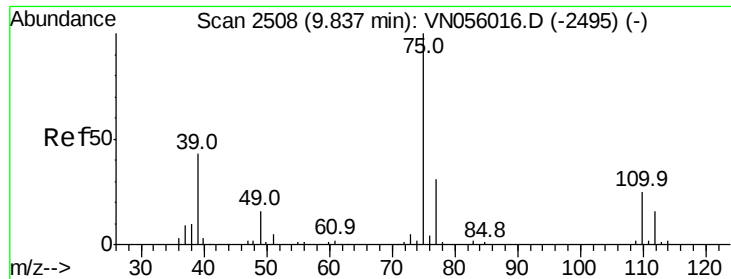
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#48
t-1,3-Dichloropropene
Concen: 17.760 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion: 75 Resp: 66191
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0





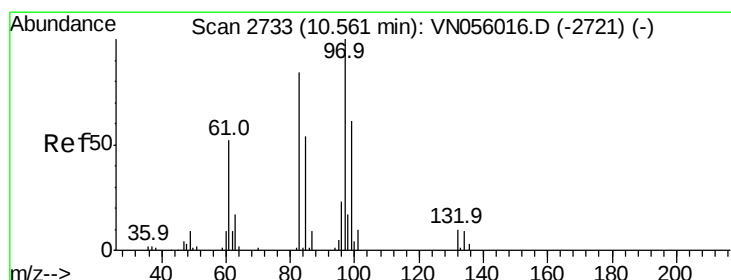
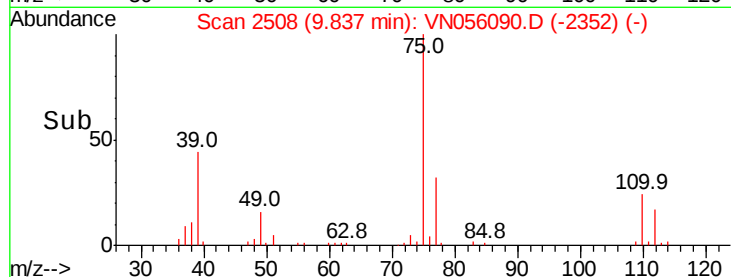
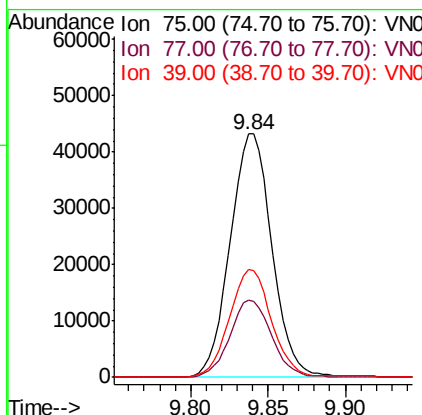
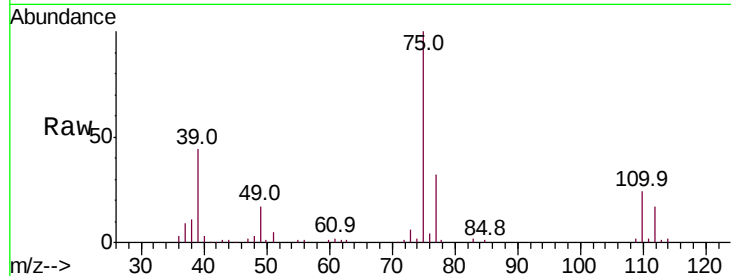
#49
 cis-1,3-Dichloropropene
 Concen: 18.584 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	44.1	34.3	51.5

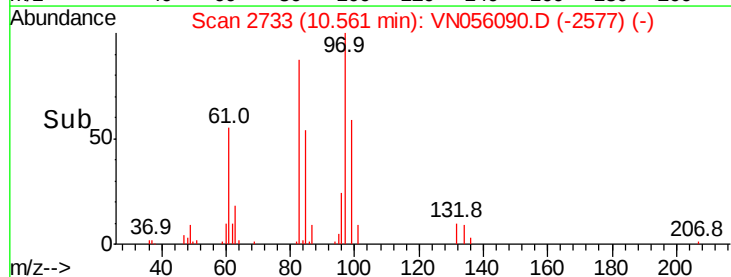
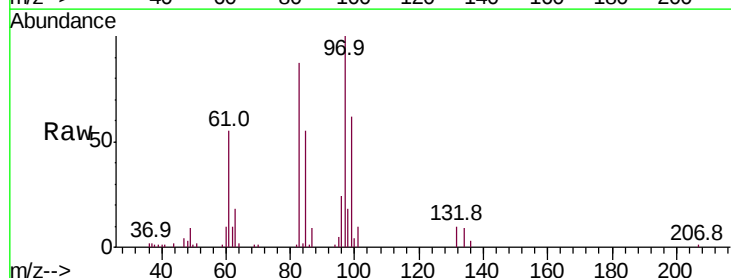
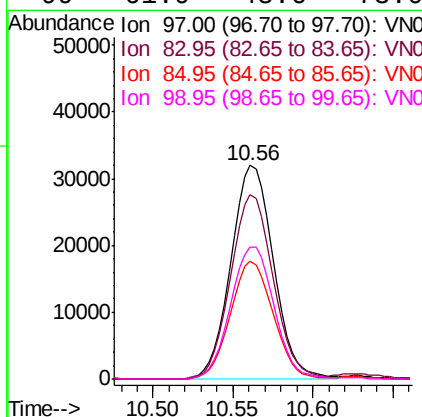
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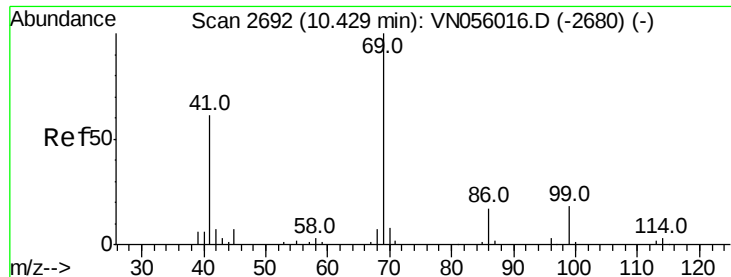
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#50
 1,1,2-Trichloroethane
 Concen: 19.806 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.9	100.3
85	55.3	43.3	64.9
99	61.9	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.086 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

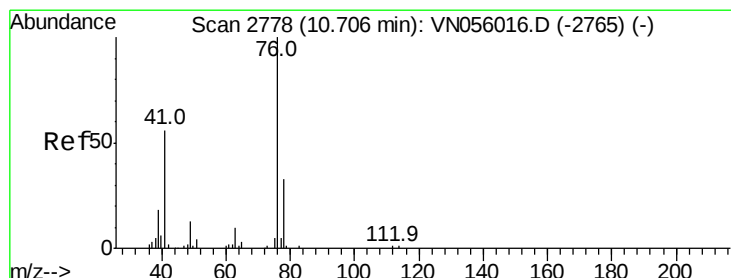
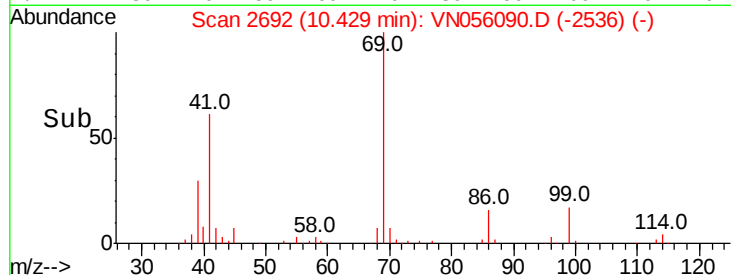
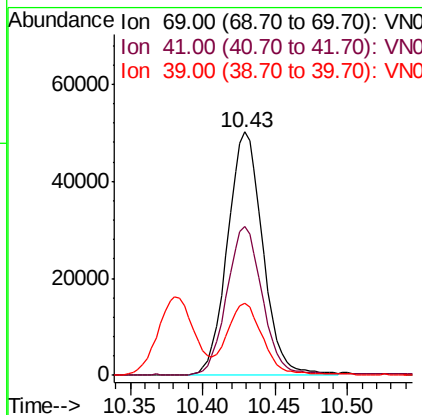
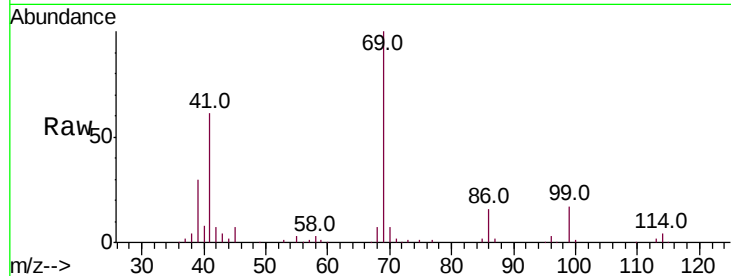
ClientSampleId :

VN0608WBSD01

Tot Ion:	69	Resp:	84821
Ion Ratio	Lower	Upper	
69	100		
41	60.9	30.8	92.3
39	29.0	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.054 ug/l

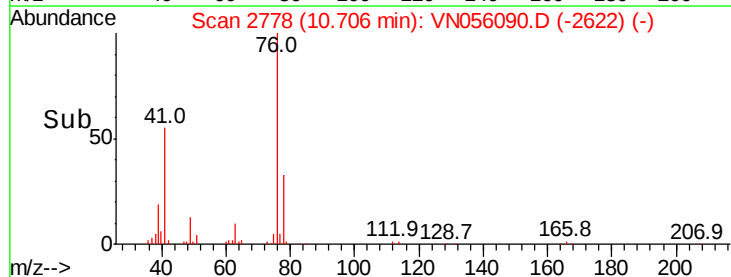
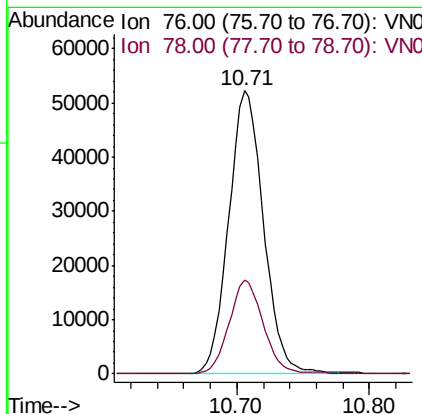
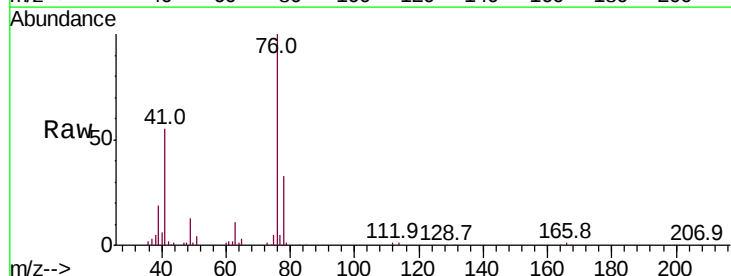
RT: 10.71 min Scan# 2778

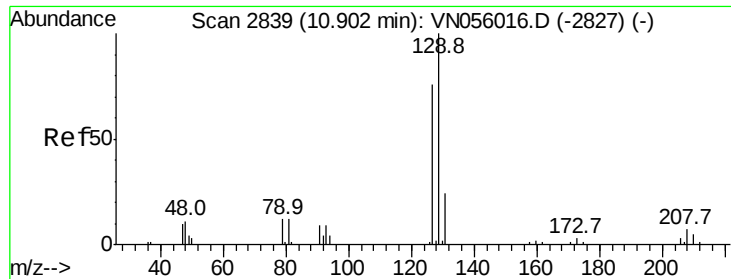
Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	76	Resp:	95507
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	63.4





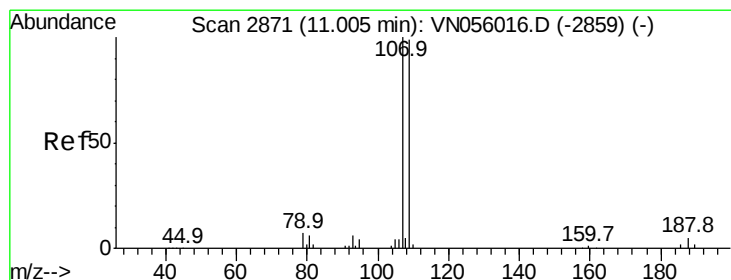
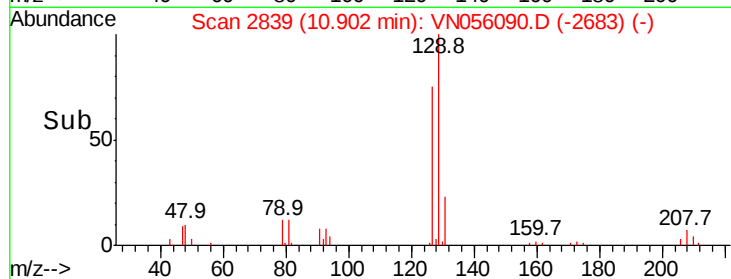
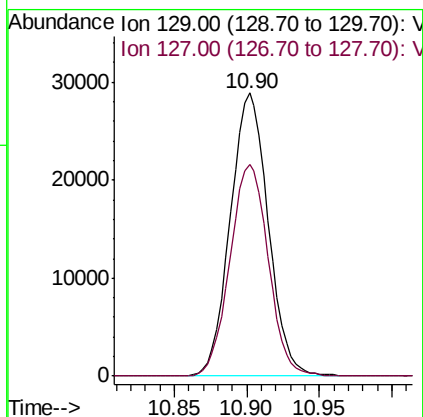
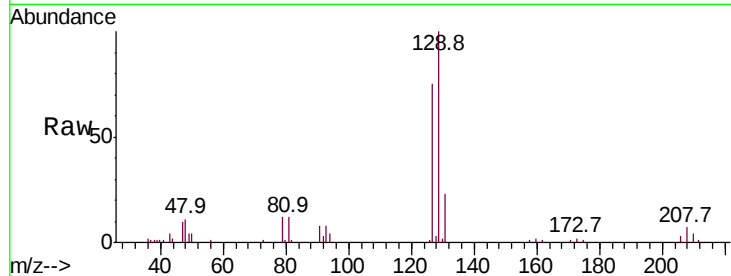
#53
 Dibromochloromethane
 Concen: 18.268 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion:129 Resp: 52532
 Ion Ratio Lower Upper
 129 100
 127 75.3 39.1 117.5

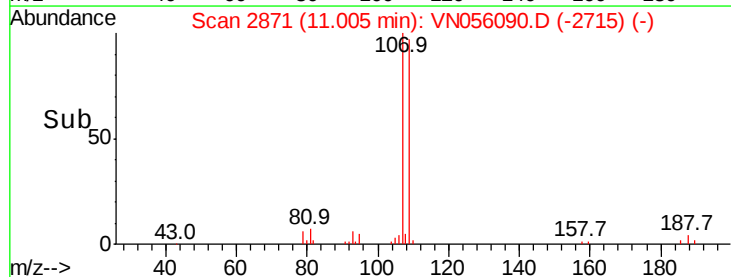
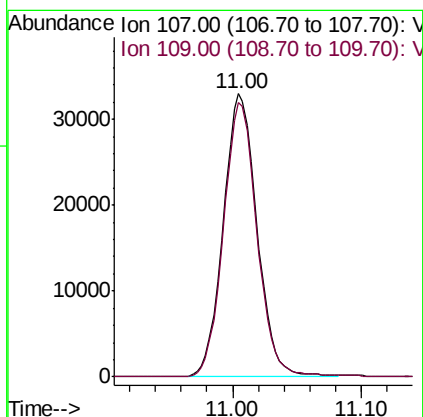
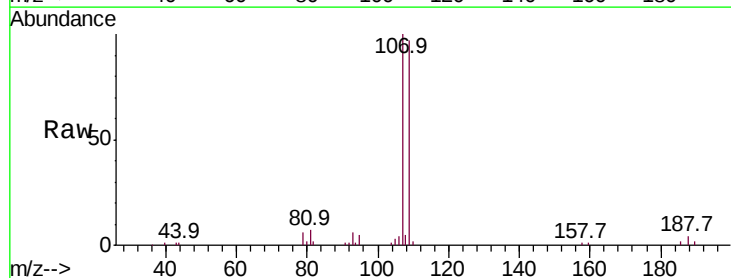
Manual Integrations
 APPROVED

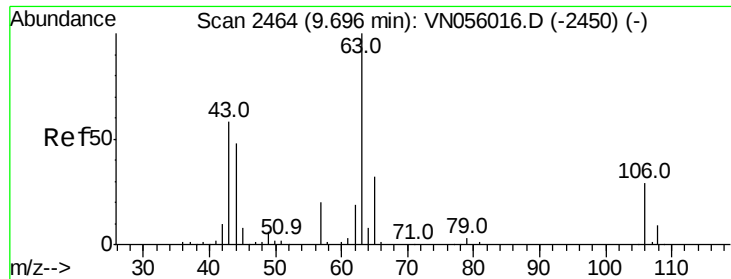
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#54
 1,2-Dibromoethane
 Concen: 19.549 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion:107 Resp: 59926
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.8 115.2





#55

2-Chloroethyl vinyl ether

Concen: 91.621 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

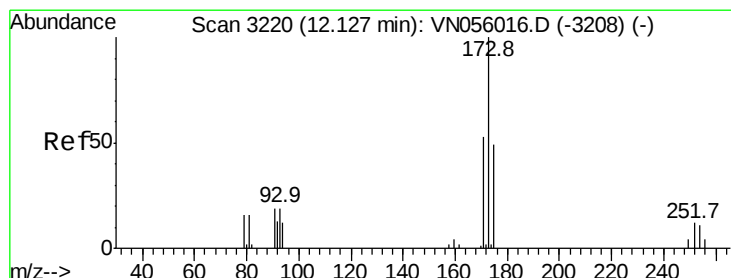
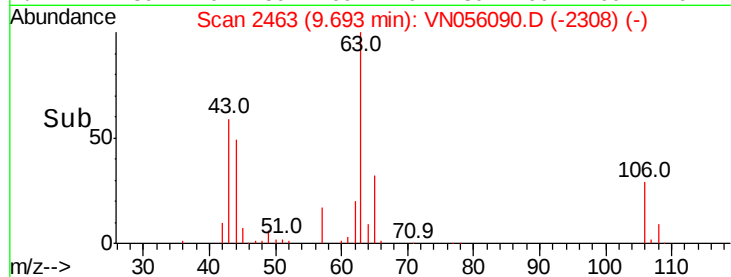
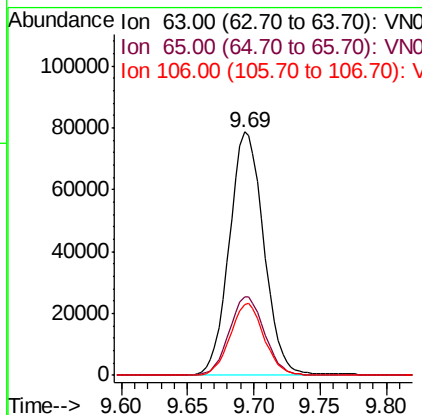
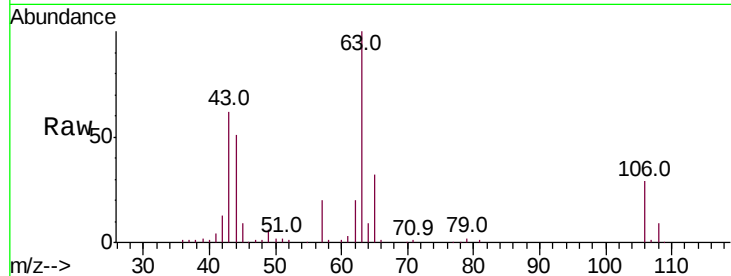
ClientSampleId :

VN0608WBSD01

Tot Ion:	63	Resp:	142624
Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.5	38.3
106	29.0	23.0	34.4

Manual Integrations
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#56

Bromoform

Concen: 16.628 ug/l

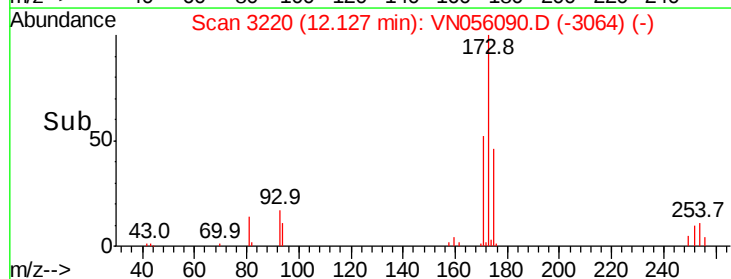
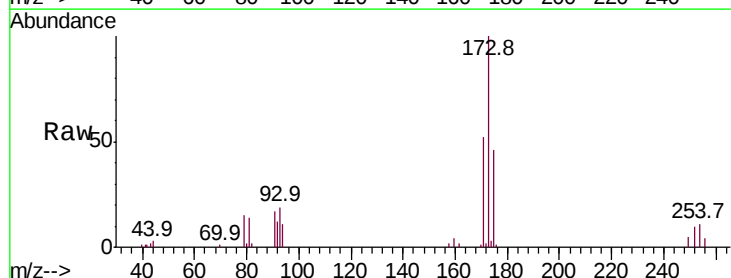
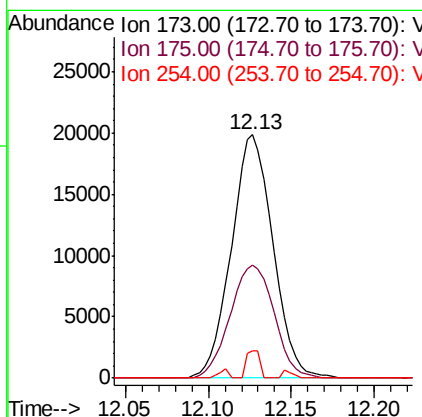
RT: 12.13 min Scan# 3220

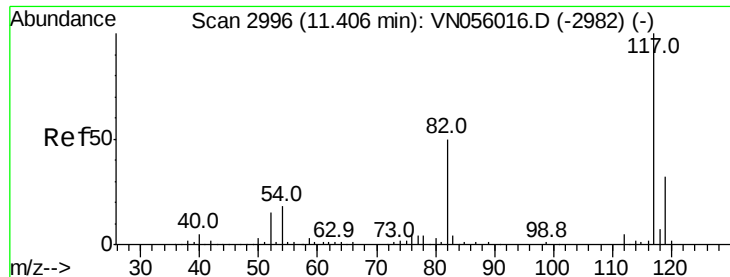
Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	173	Resp:	34591
Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.7	58.1
254	3.6	6.6	9.8#





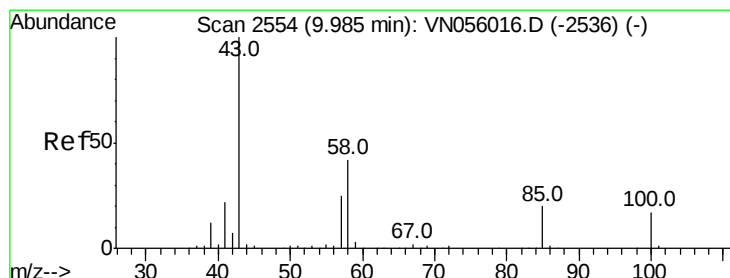
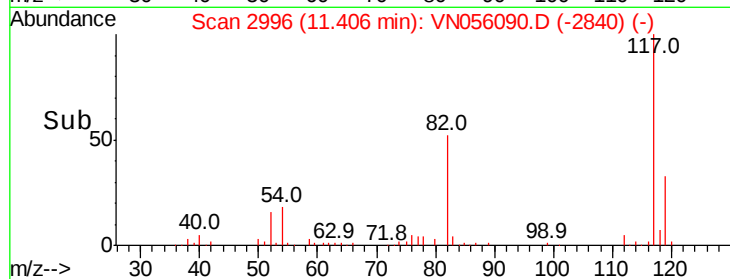
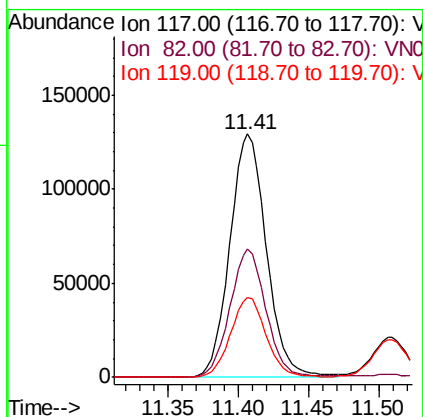
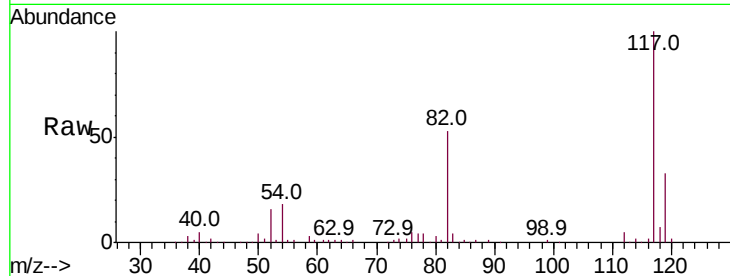
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.2	61.8
119	32.1	26.2	39.2

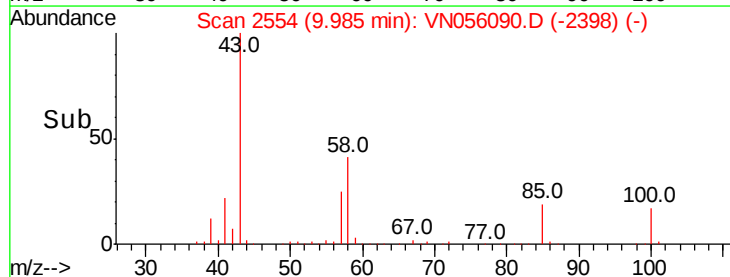
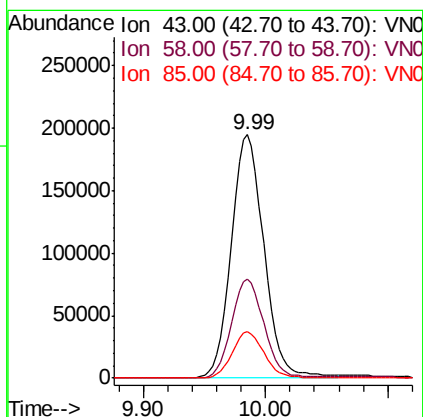
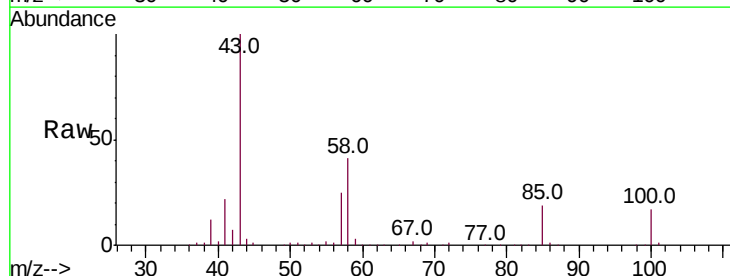
Manual Integrations
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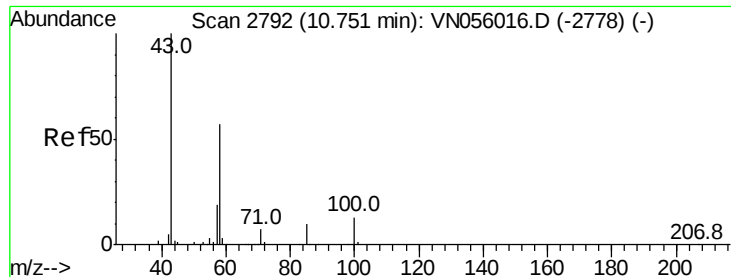
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#58
4-Methyl-2-Pentanone
Concen: 101.407 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	33.1	49.7
85	18.7	15.5	23.3





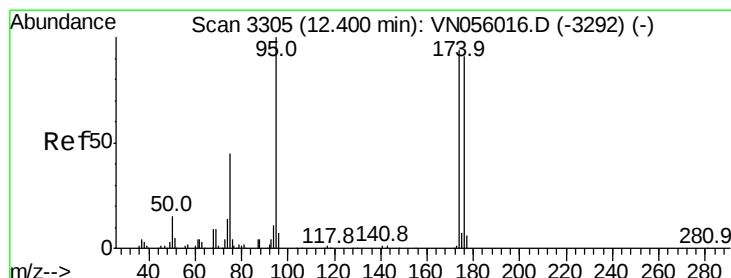
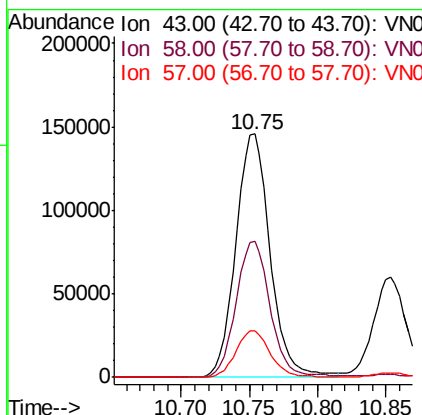
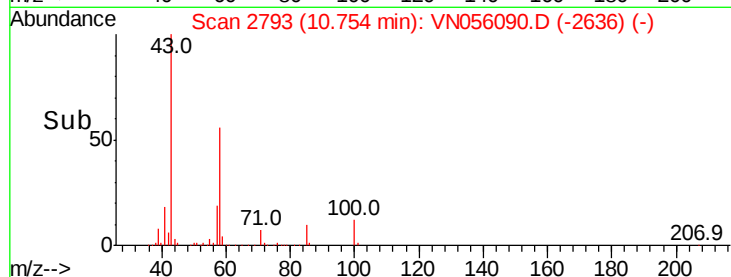
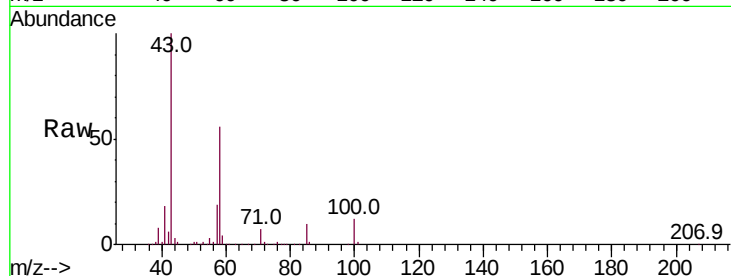
#59
2-Hexanone
Concen: 99.826 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.3	67.9
57	19.5	15.6	23.4

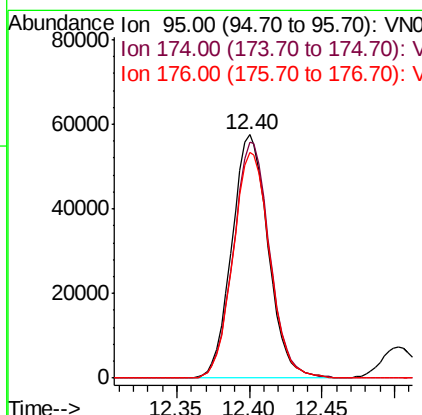
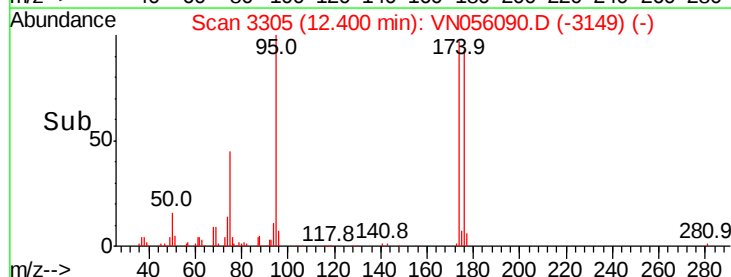
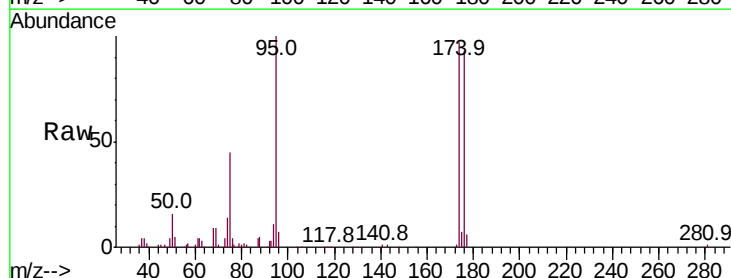
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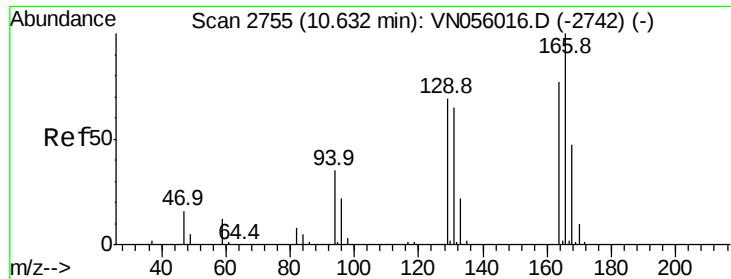
MMDadoda
6/10/2019 3:31:26 PM



#60
4-Bromofluorobenzene
Concen: 28.701 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.1	75.4	113.0
176	94.1	73.9	110.9





#61

Tetrachloroethene

Concen: 20.251 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion:164 Resp: 66365

Ion Ratio Lower Upper

164 100

166 127.7 104.3 156.5

129 85.7 71.5 107.3

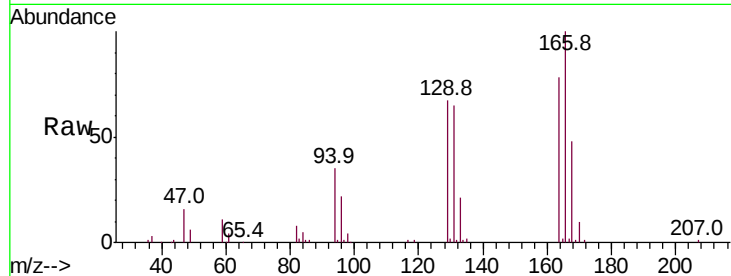
131 83.0 67.7 101.5

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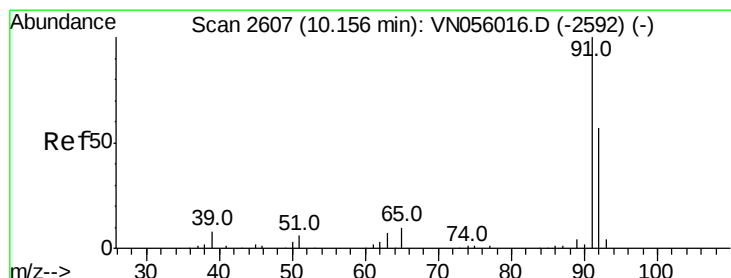
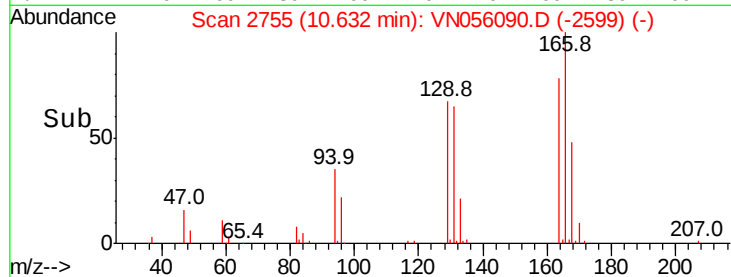
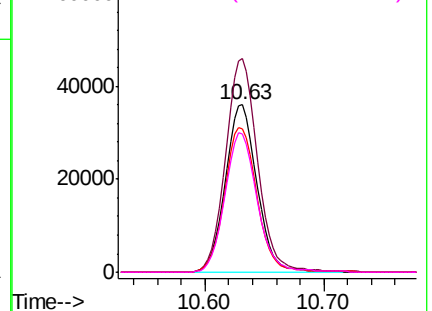


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.056 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056090.D

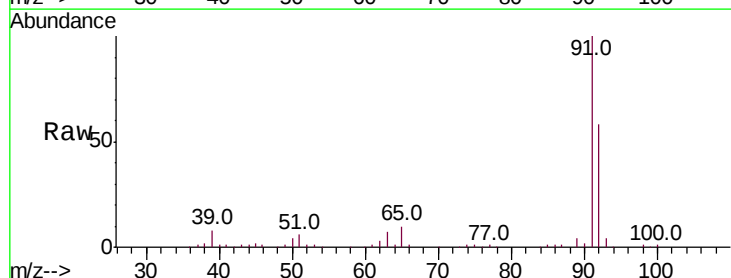
Acq: 7 Jun 2019 11:00

Tgt Ion: 91 Resp: 254584

Ion Ratio Lower Upper

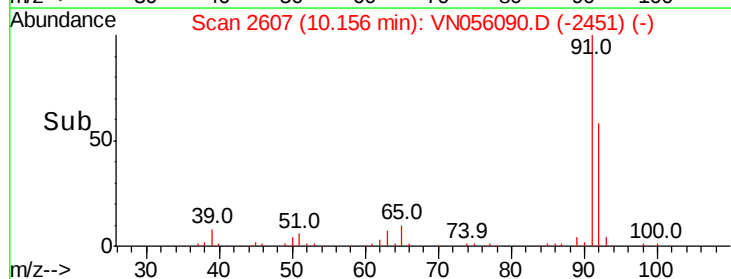
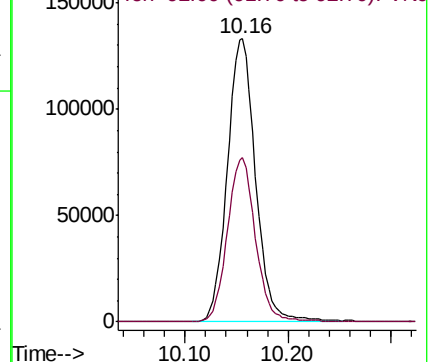
91 100

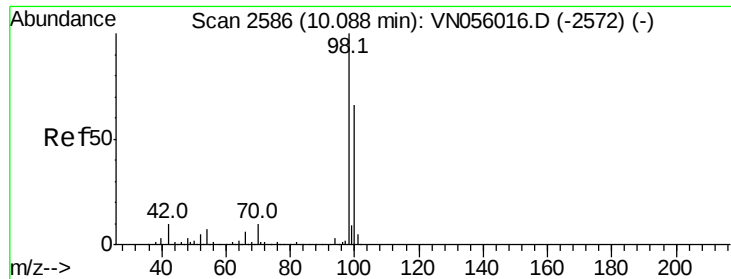
92 57.8 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.288 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

VN0608WBSD01

Tot Ion: 98 Resp: 323066

Ion Ratio Lower Upper

98 100

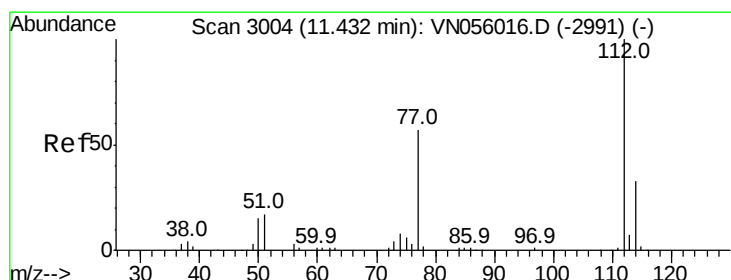
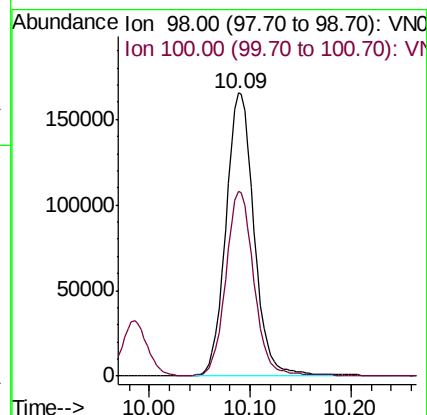
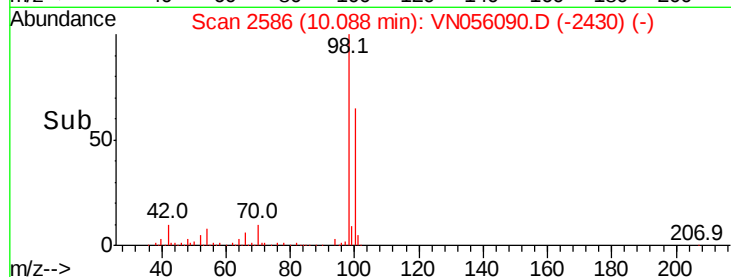
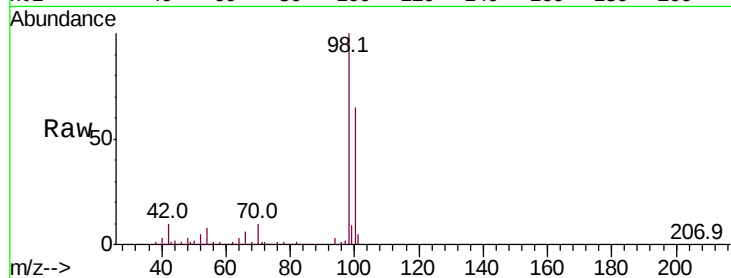
100 65.3 52.2 78.4

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#64

Chlorobenzene

Concen: 20.088 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056090.D

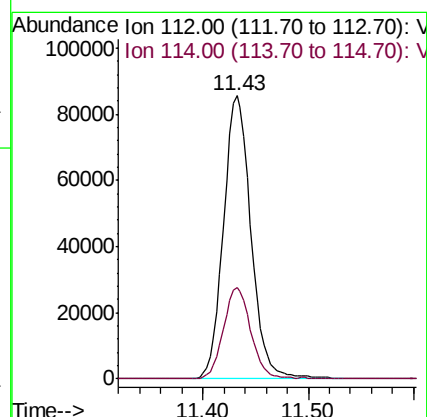
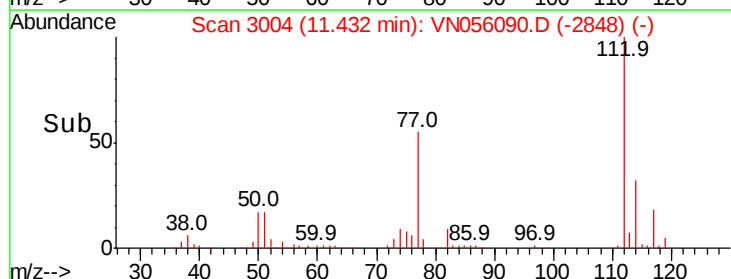
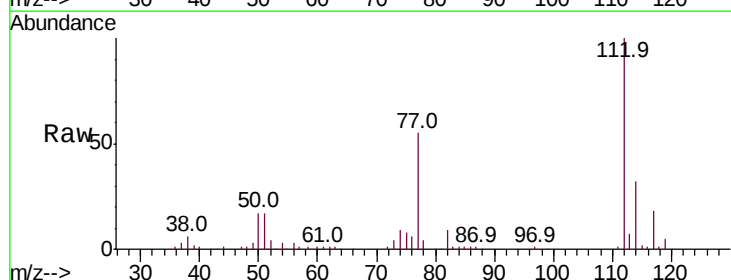
Acq: 7 Jun 2019 11:00

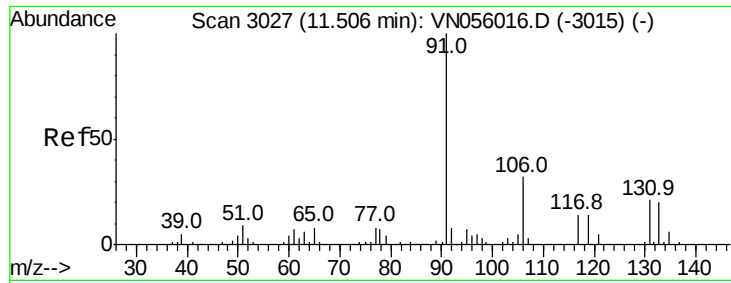
Tgt Ion: 112 Resp: 154666

Ion Ratio Lower Upper

112 100

114 32.2 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 18.983 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

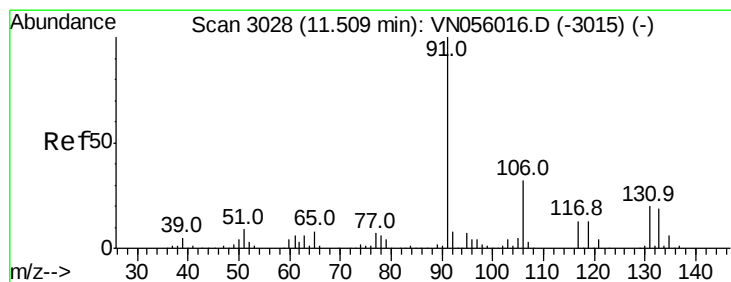
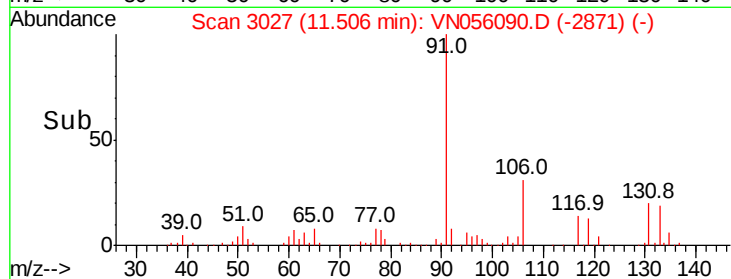
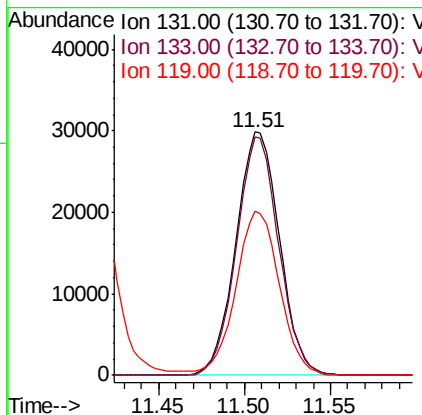
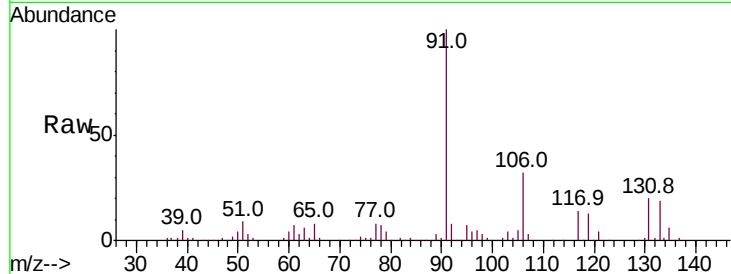
ClientSampleId :

VN0608WBSD01

Tot Ion:	131	Resp:	52704
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	193.8
119	67.4	0.0	134.4

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#66

Ethyl Benzene

Concen: 19.961 ug/l

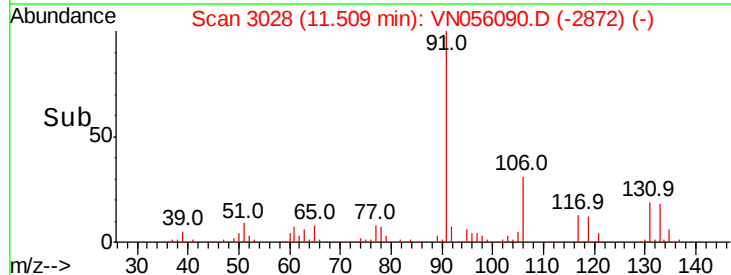
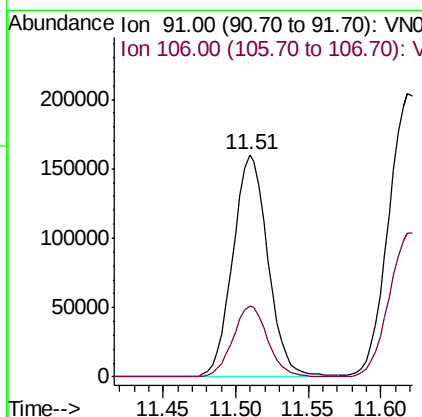
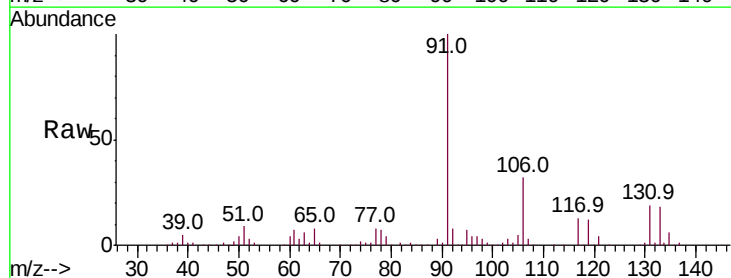
RT: 11.51 min Scan# 3028

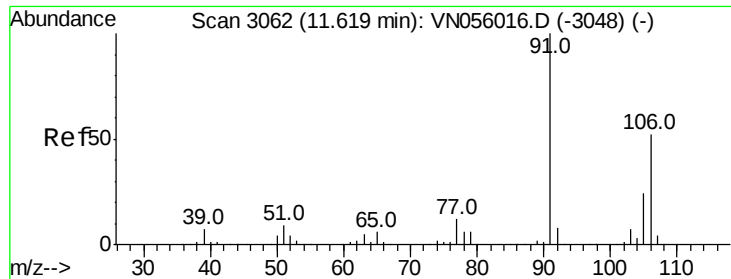
Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	91	Resp:	269871
Ion Ratio	Lower	Upper	
91	100		
106	32.1	25.7	38.5





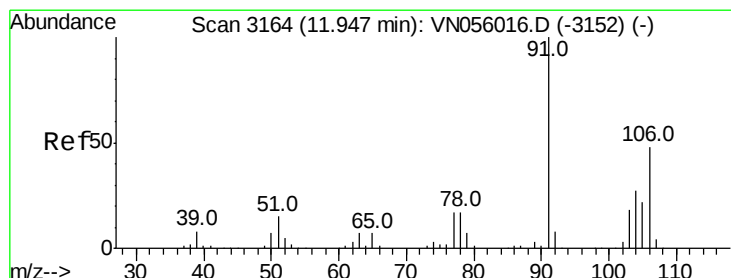
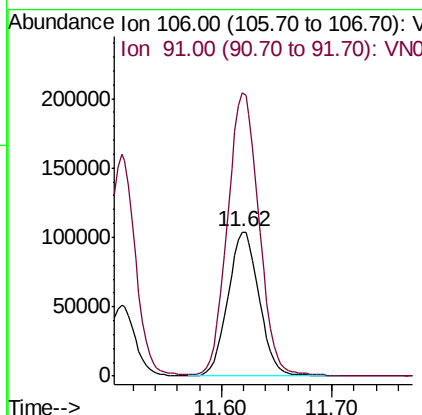
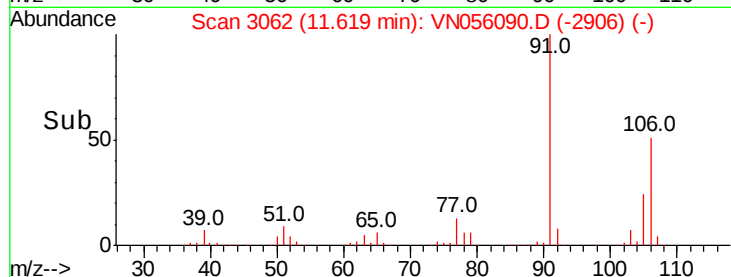
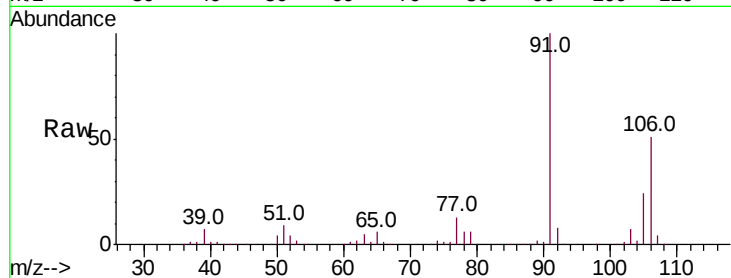
#67
m/p-Xylenes
Concen: 39.548 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion:106 Resp: 204657
Ion Ratio Lower Upper
106 100
91 198.1 155.7 233.5

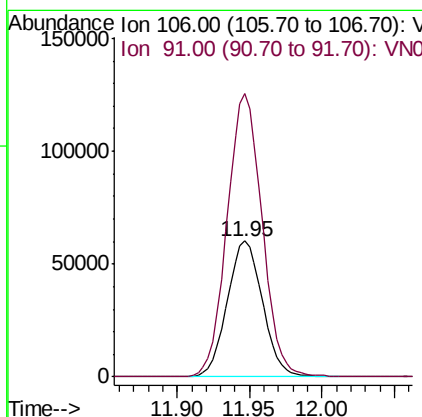
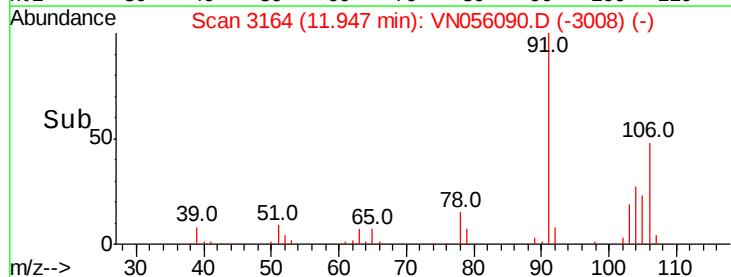
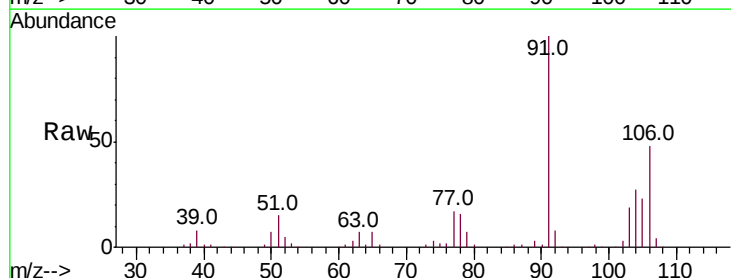
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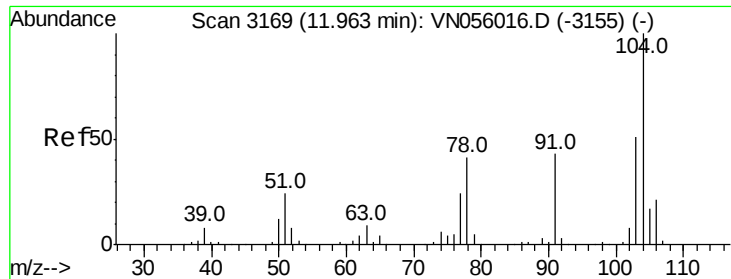
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#68
o-Xylene
Concen: 20.159 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion:106 Resp: 102129
Ion Ratio Lower Upper
106 100
91 206.3 103.9 311.7





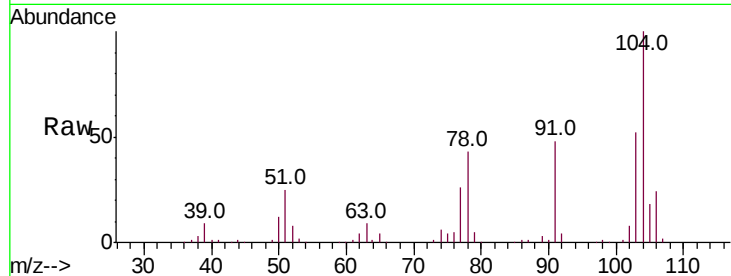
#69
Stvrene
Concen: 19.105 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

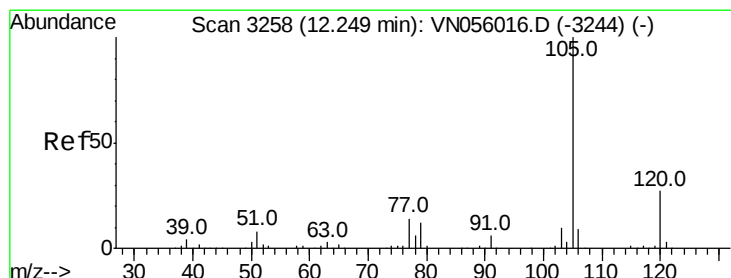
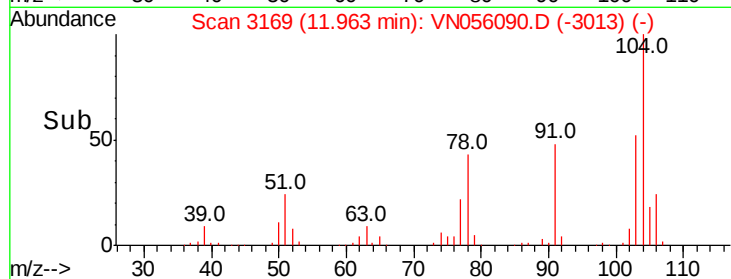
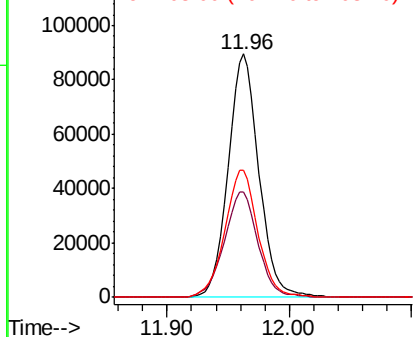
Tot Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.6	37.0	55.6	
103	56.5	44.4	66.6	

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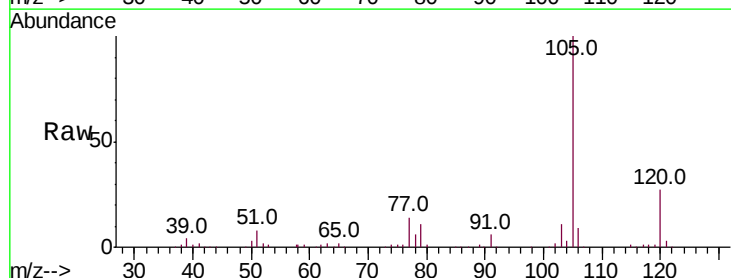


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

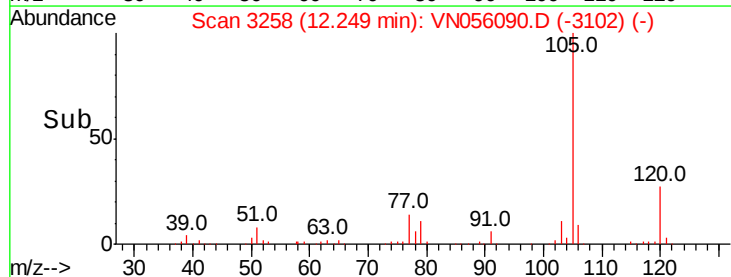
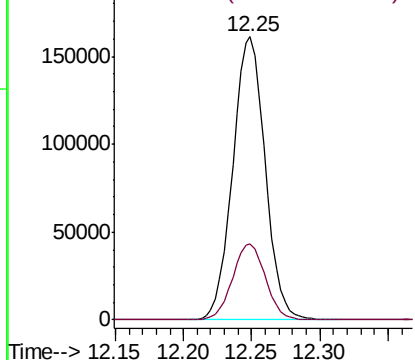


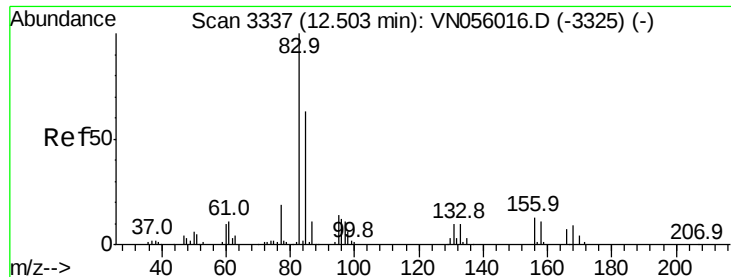
#70
Isopropylbenzene
Concen: 20.091 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	27.3	19.3	35.8	



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





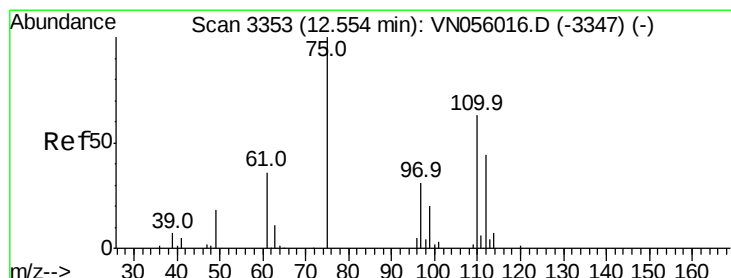
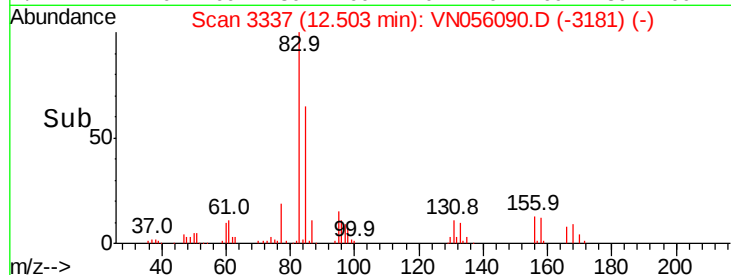
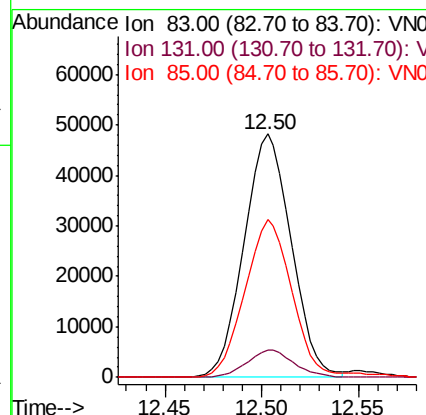
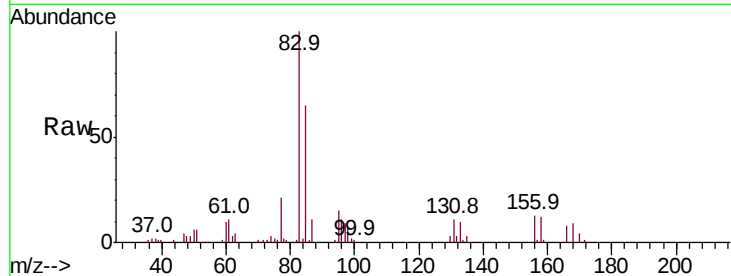
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.552 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	83	Resp	82019
Ion Ratio	100	Lower	Upper
131	11.2	5.2	15.6
85	65.2	31.6	94.7

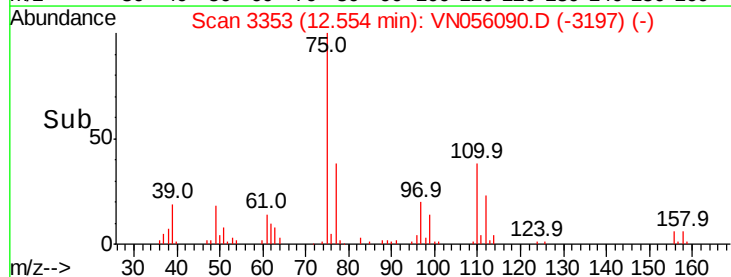
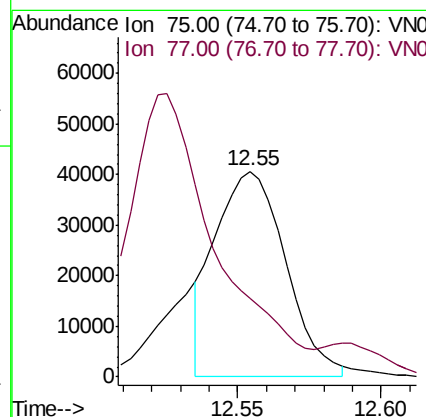
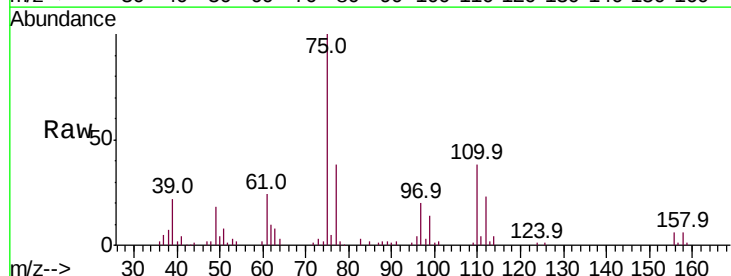
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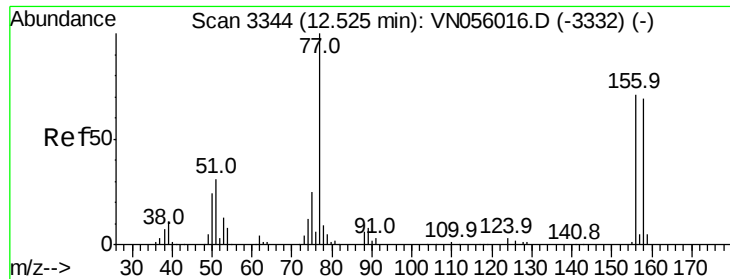
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#72
 1,2,3-Trichloropropane
 Concen: 20.196 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	75	Resp	69774
Ion Ratio	100	Lower	Upper
77	173.1	0.0	350.0





#73

Bromobenzene

Concen: 19.423 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

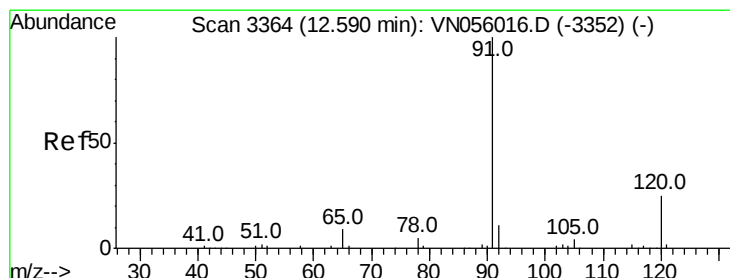
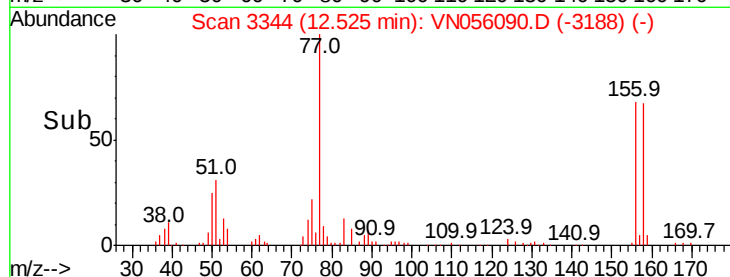
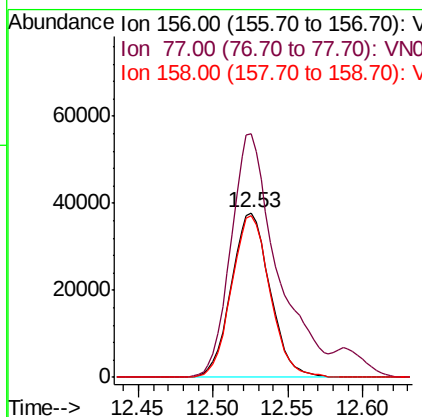
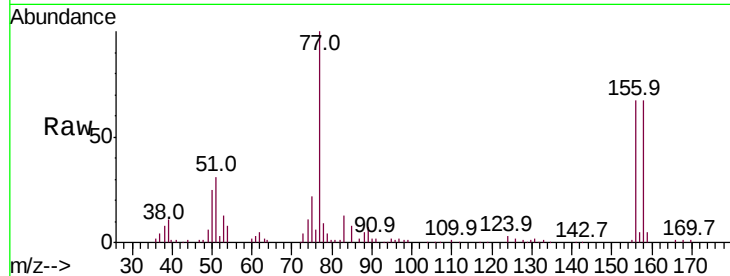
ClientSampleId :

VN0608WBSD01

Tot Ion:	156	Resp:	68243
Ion Ratio	Lower	Upper	
156	100		
77	176.9	0.0	350.8
158	97.3	0.0	193.2

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#74

n-propylbenzene

Concen: 19.610 ug/l

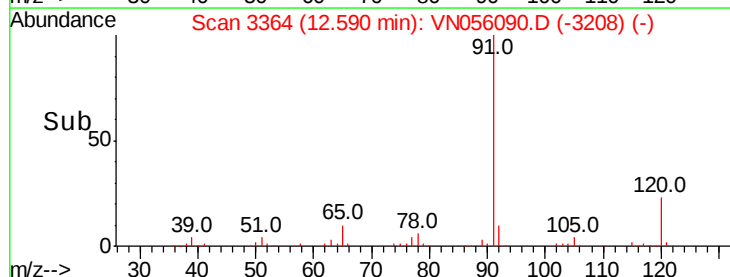
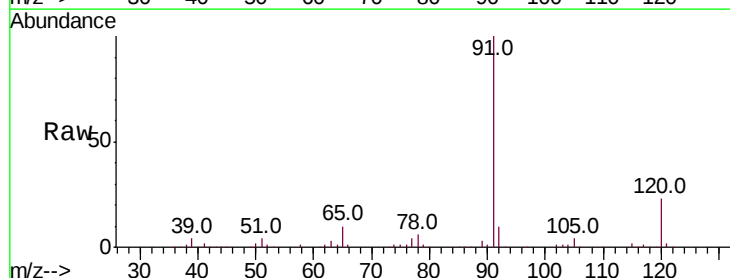
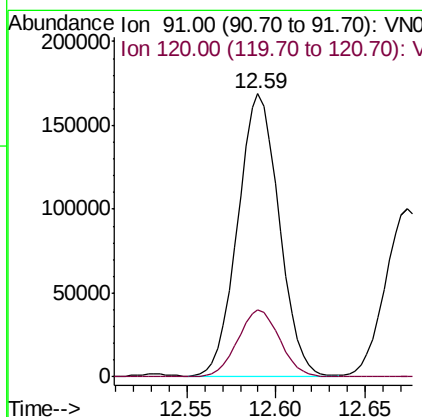
RT: 12.59 min Scan# 3364

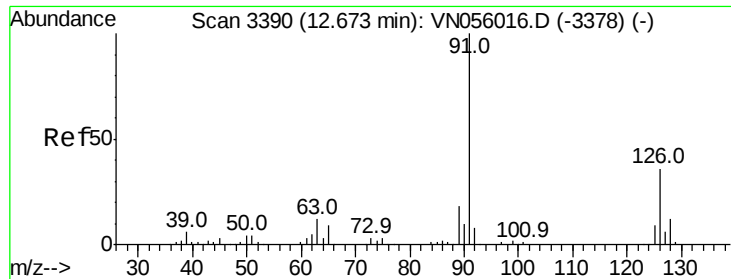
Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	91	Resp:	273925
Ion Ratio	Lower	Upper	
91	100		
120	23.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.047 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 91 Resp: 173695

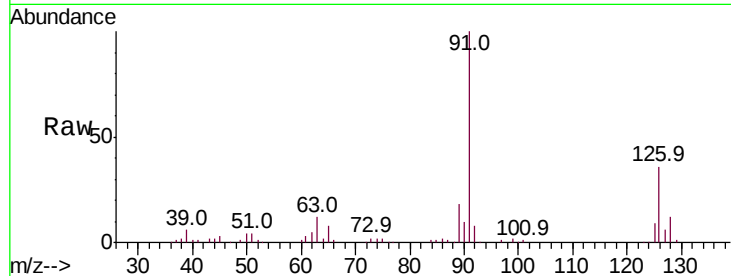
Ion Ratio Lower Upper

91 100

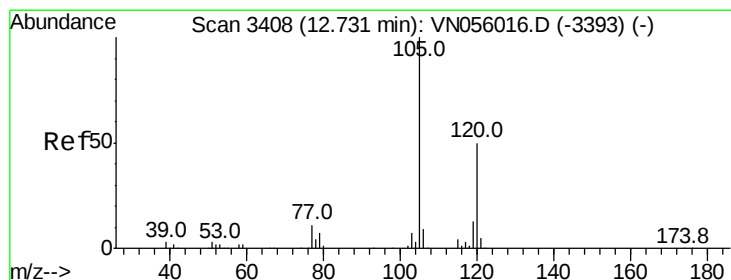
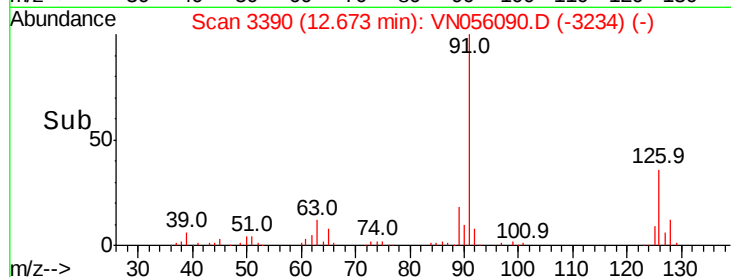
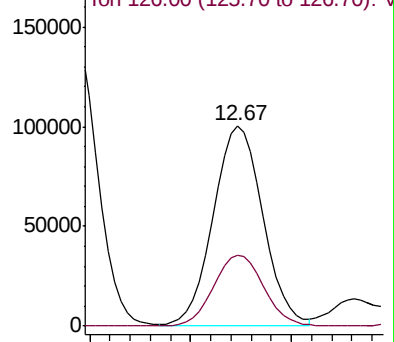
126 35.8 0.0 72.4

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



#76

1,3,5-Trimethylbenzene

Concen: 20.043 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056090.D

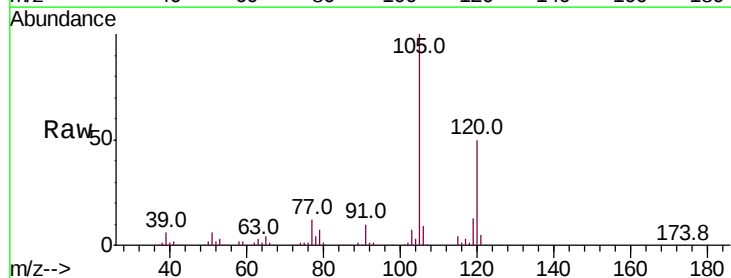
Acq: 7 Jun 2019 11:00

Tgt Ion: 105 Resp: 218227

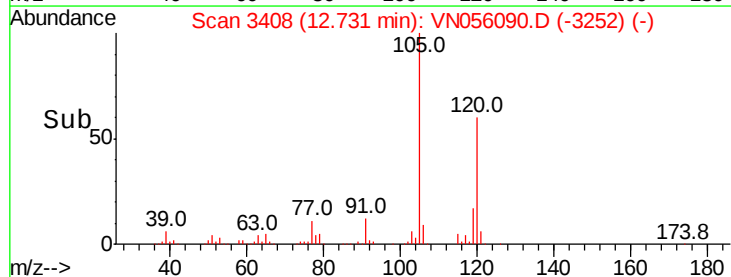
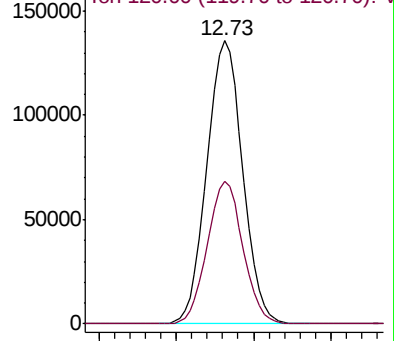
Ion Ratio Lower Upper

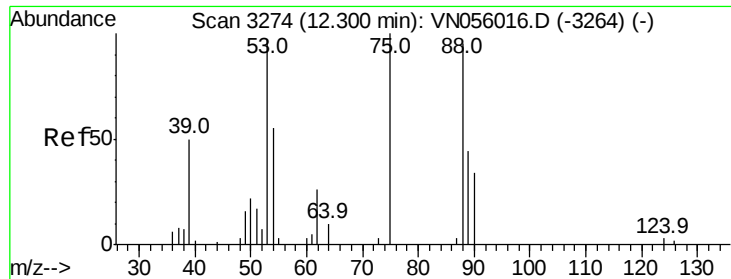
105 100

120 50.1 0.0 100.6



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





#77

t-1,4-Dichloro-2-butene

Concen: 15.413 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

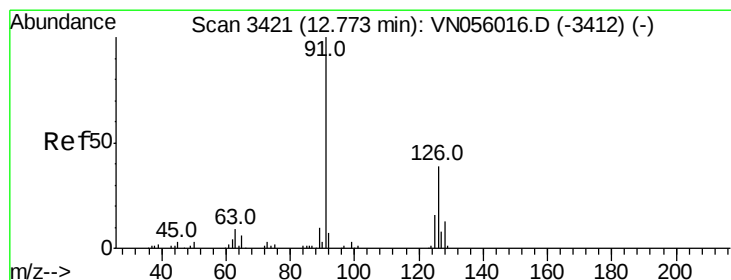
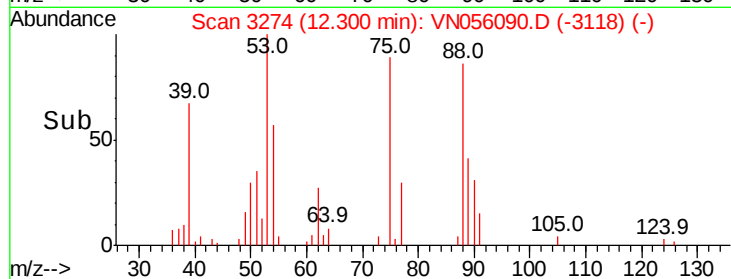
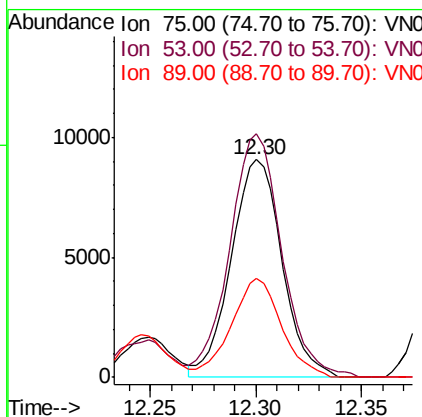
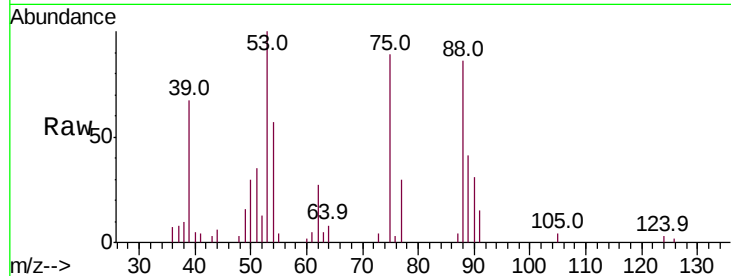
ClientSampleId :

VN0608WBSD01

Tot Ion:	75	Resp:	15194
Ion Ratio	Lower	Upper	
75	100		
53	109.1	48.0	144.0
89	45.6	22.5	67.5

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#78

4-Chlorotoluene

Concen: 19.237 ug/l

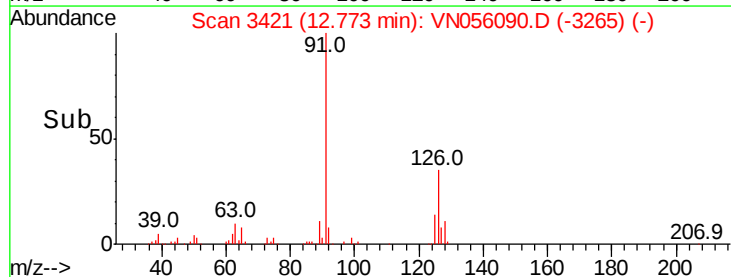
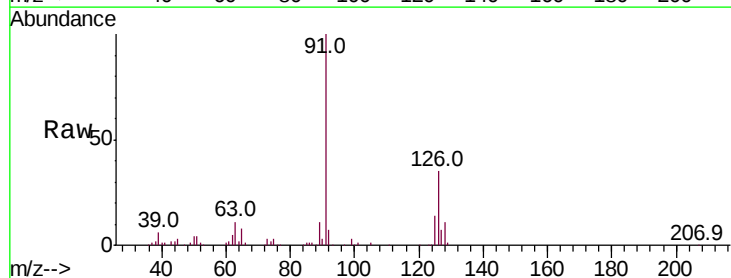
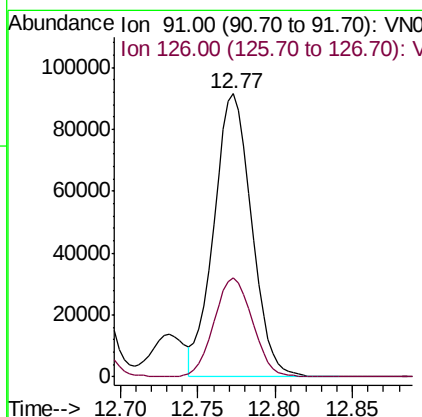
RT: 12.77 min Scan# 3421

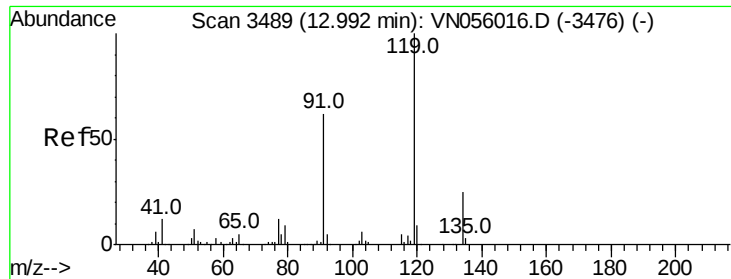
Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	91	Resp:	155658
Ion Ratio	Lower	Upper	
91	100		
126	35.2	0.0	71.8





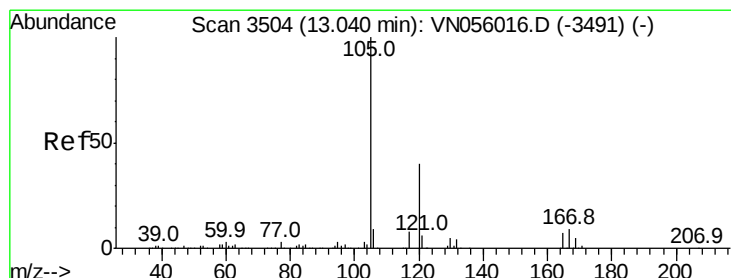
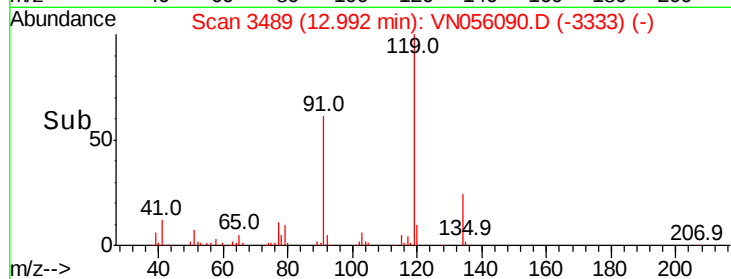
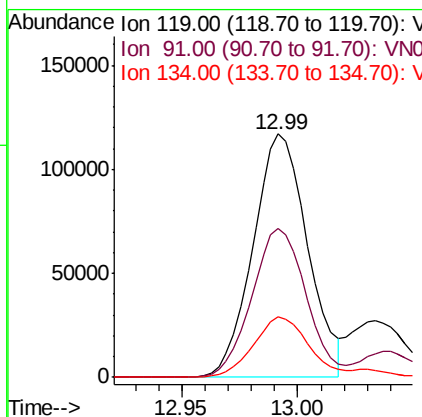
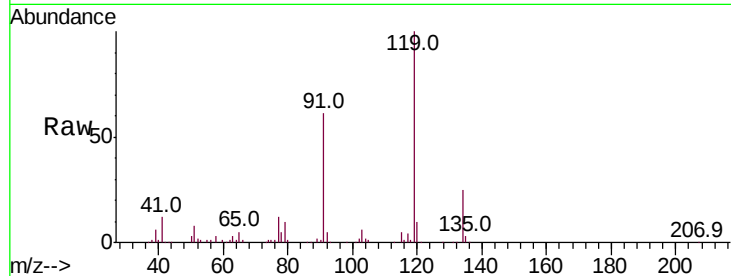
#79
tert-butylbenzene
Concen: 19.890 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191863		
91	61.0	0.0	122.8	
134	25.3	0.0	50.2	

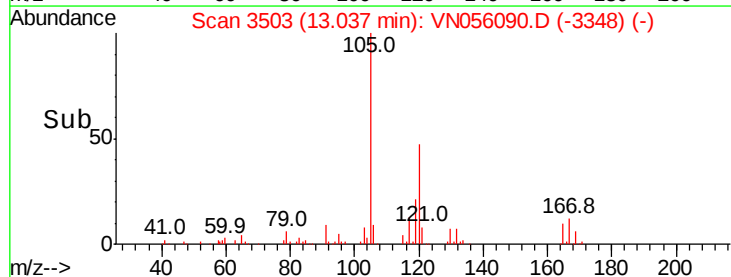
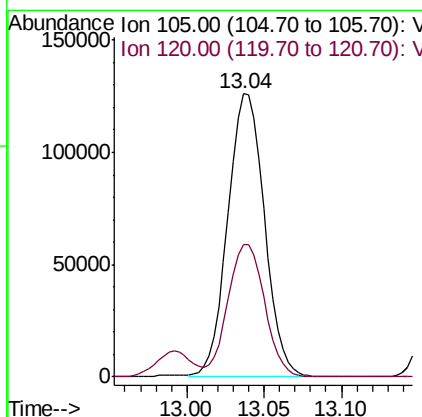
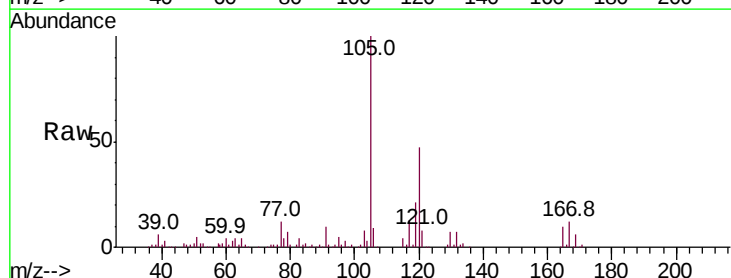
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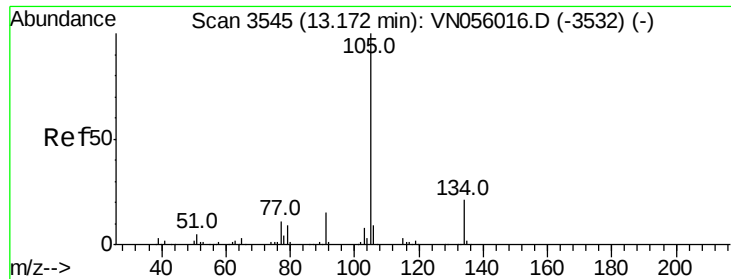
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#80
1,2,4-Trimethylbenzene
Concen: 19.613 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207732		
120	47.0	0.0	93.4	





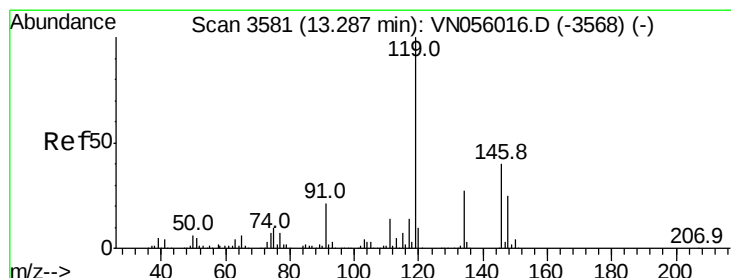
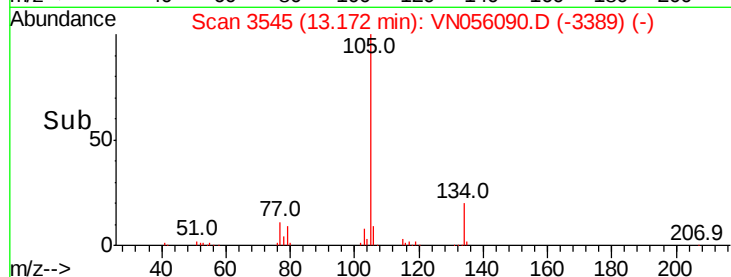
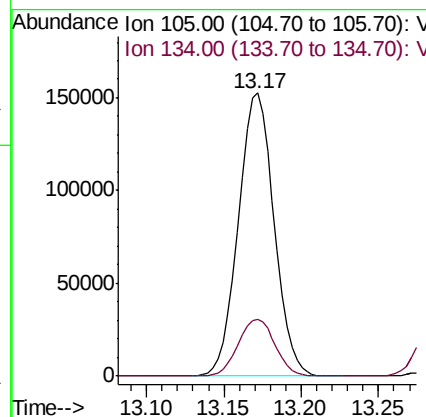
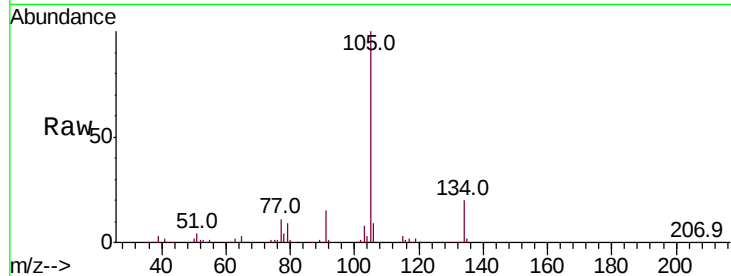
#81
 sec-Butylbenzene
 Concen: 19.994 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	243986		
134	20.9	0.0	41.8	

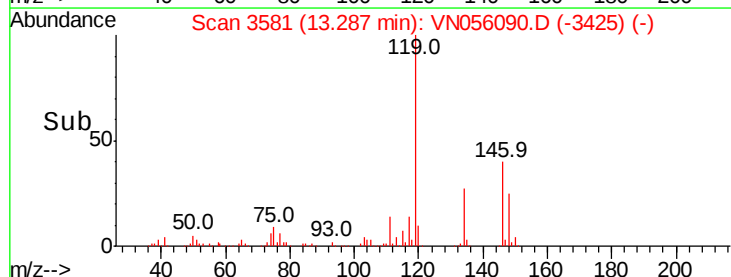
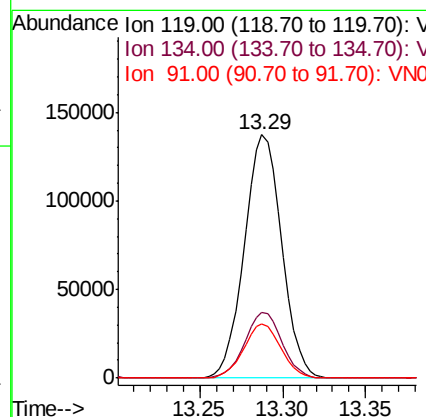
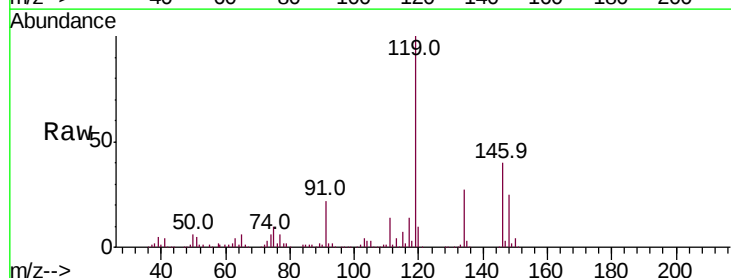
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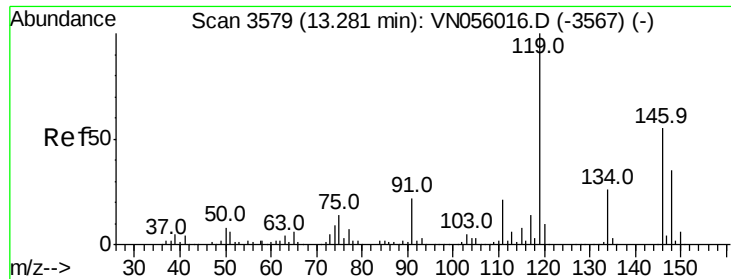
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#82
 p-Isopropyltoluene
 Concen: 19.512 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	215279		
134	26.8	0.0	53.4	
91	22.2	0.0	43.0	





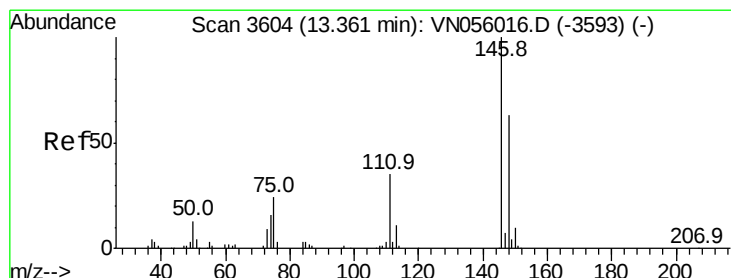
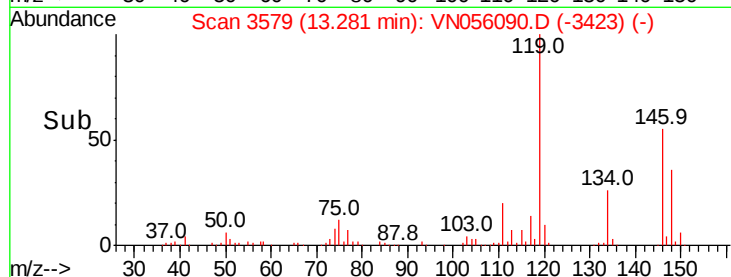
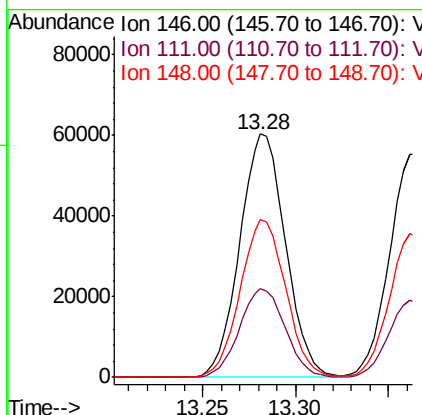
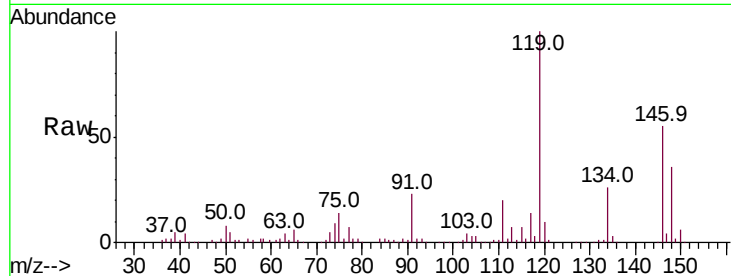
#83
 1,3-Dichlorobenzene
 Concen: 18.853 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.2	54.6
148	64.4	31.9	95.9

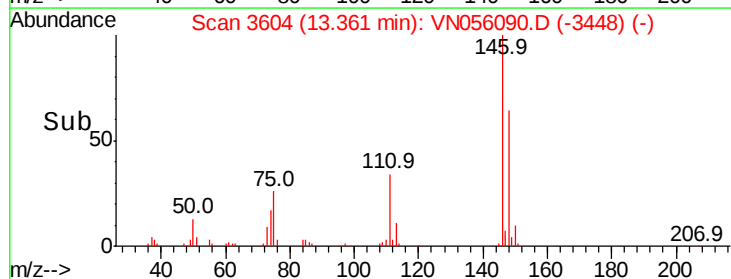
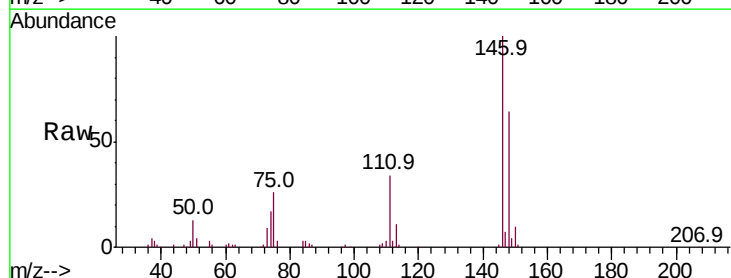
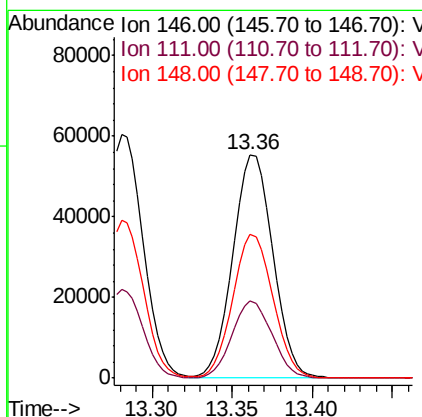
Manual Integrations
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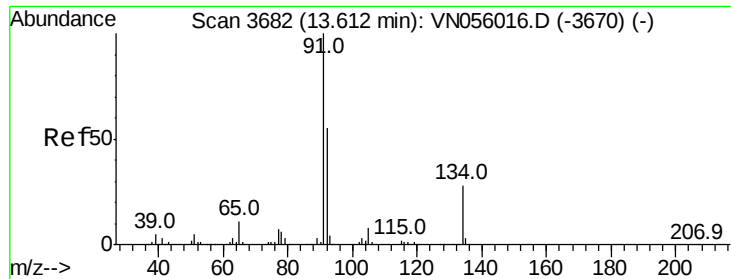
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 6/10/2019 3:31:26 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.178 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.3	17.6	52.9
148	64.0	32.1	96.3





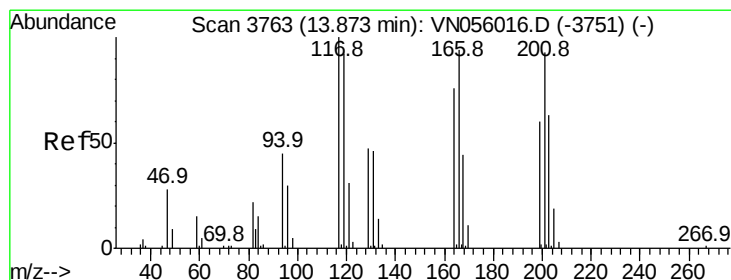
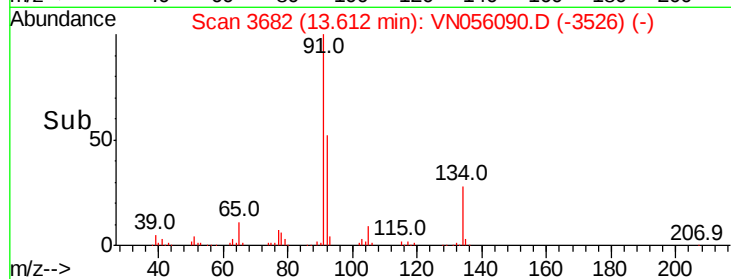
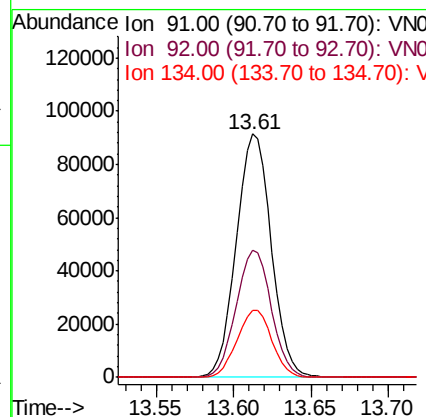
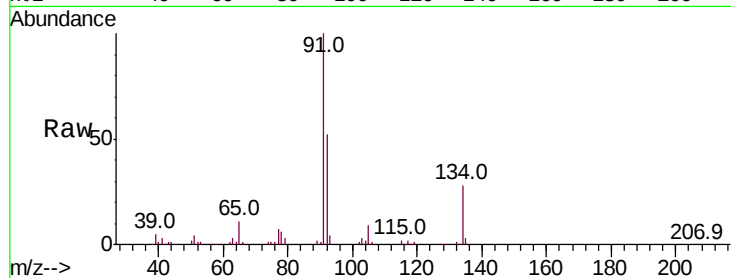
#85
n-Butylbenzene
Concen: 17.399 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	0.0	107.2
134	27.5	0.0	55.8

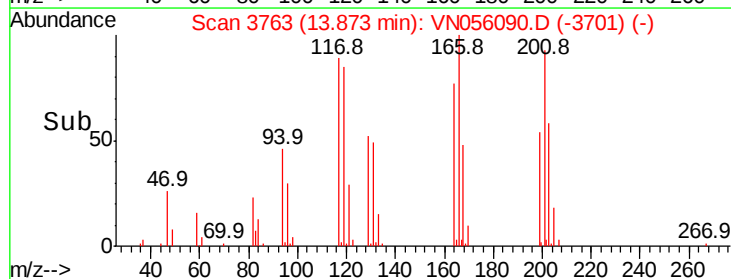
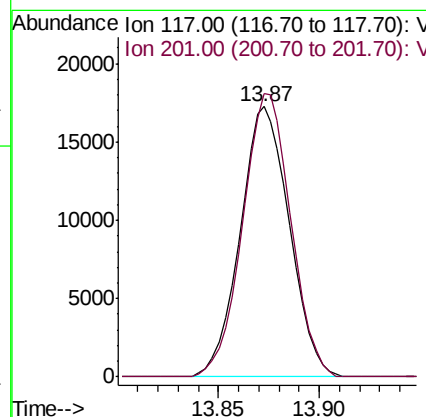
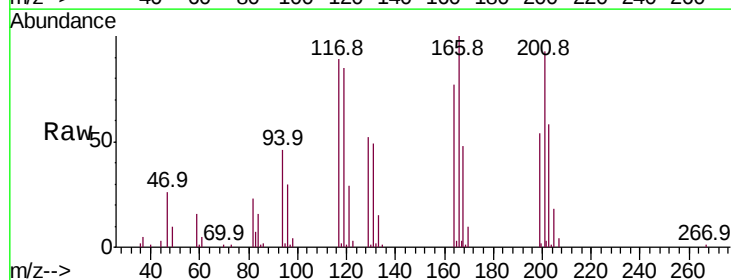
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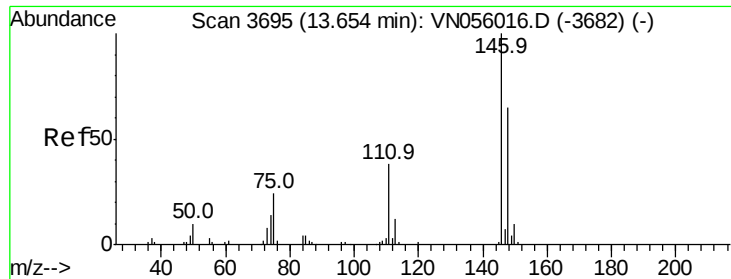
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#86
Hexachloroethane
Concen: 17.114 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056090.D
Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.5	48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 19.298 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

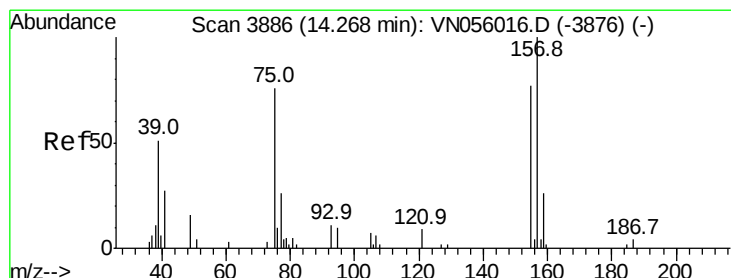
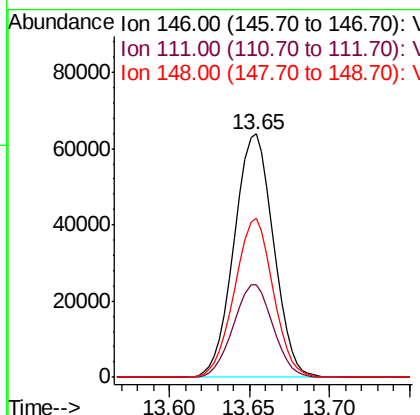
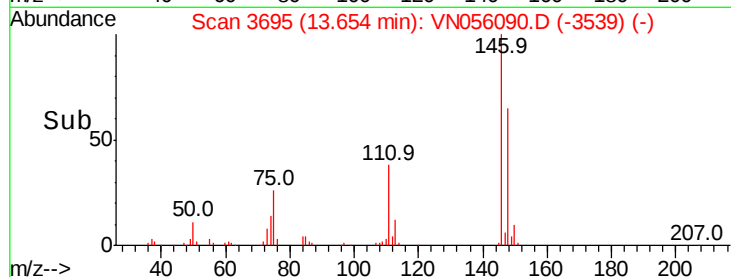
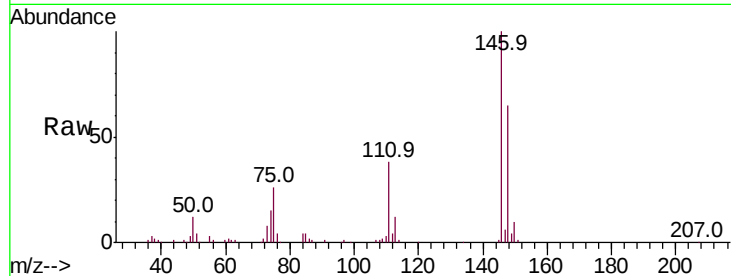
ClientSampleId :

VN0608WBSD01

Tot Ion:	146	Resp:	107404
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.3	57.9
148	63.8	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.892 ug/l

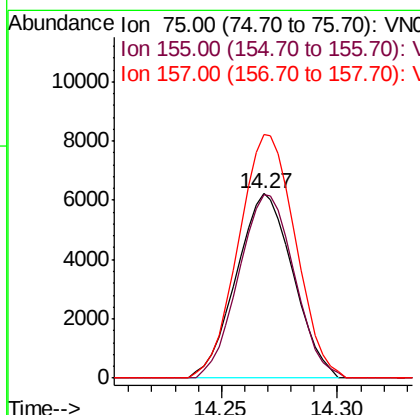
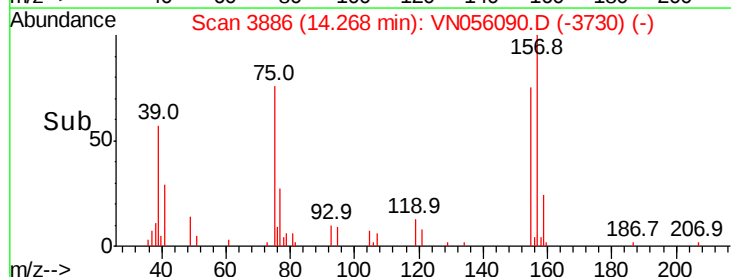
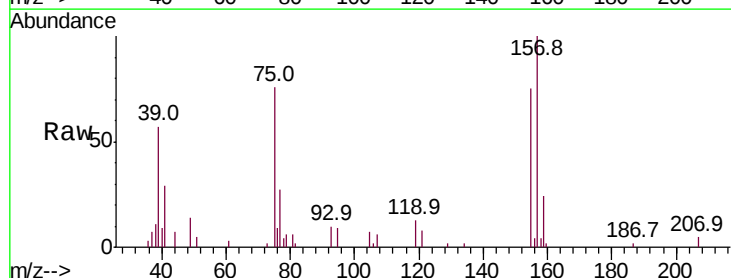
RT: 14.27 min Scan# 3886

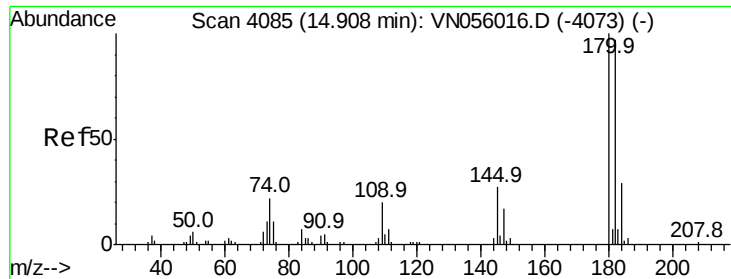
Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	75	Resp:	10582
Ion Ratio	Lower	Upper	
75	100		
155	97.7	82.5	123.7
157	132.2	105.1	157.7





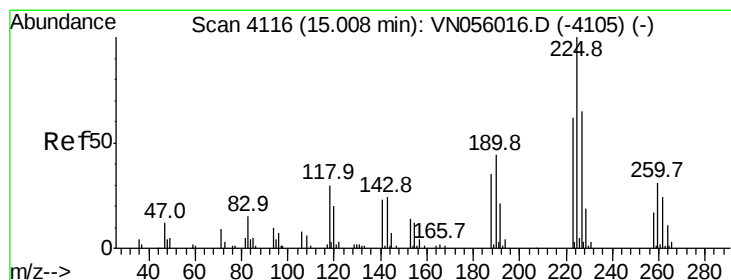
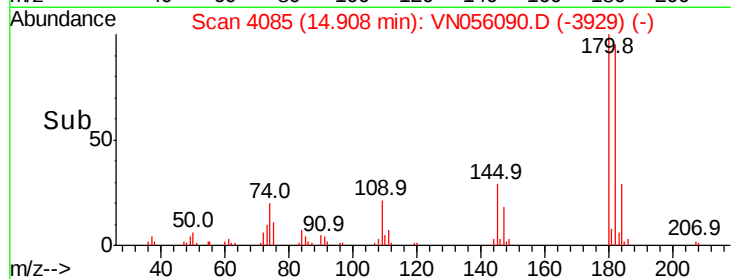
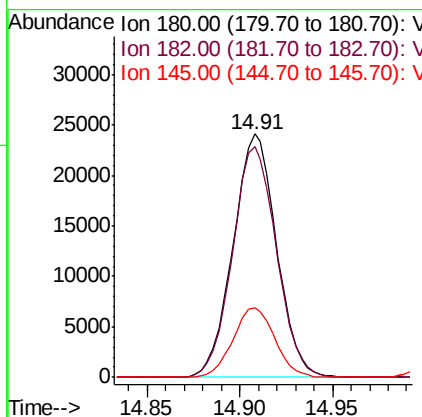
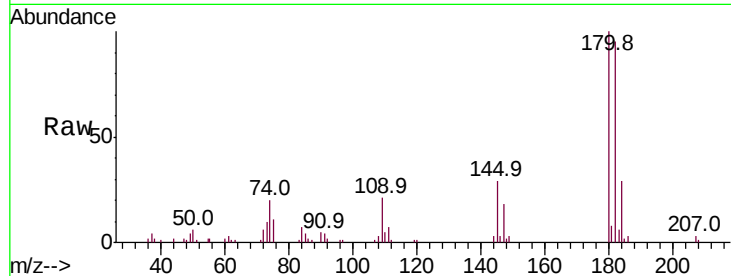
#89
 1,2,4-Trichlorobenzene
 Concen: 18.597 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
145	27.7	22.1	33.1

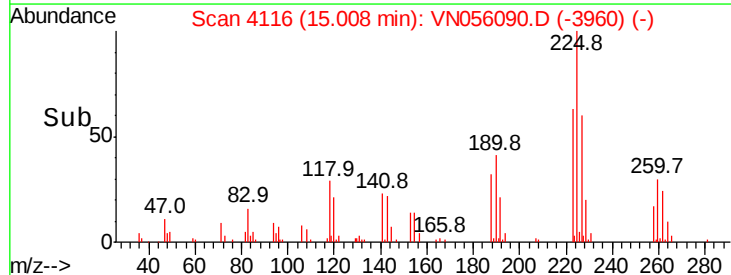
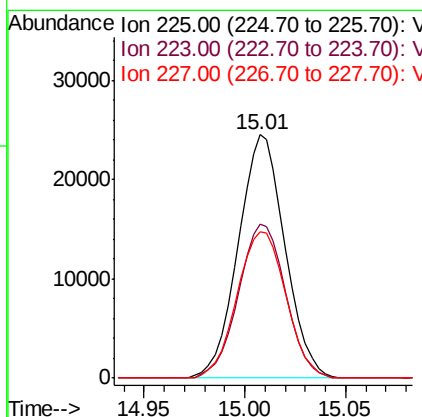
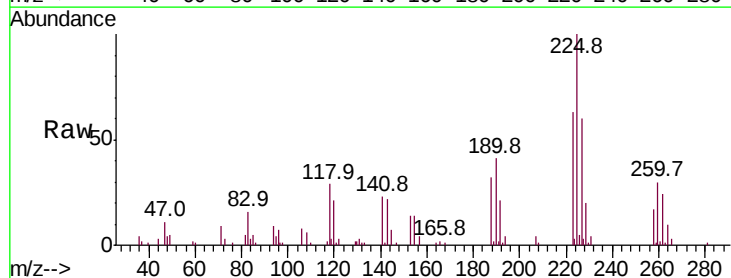
Manual Integrations
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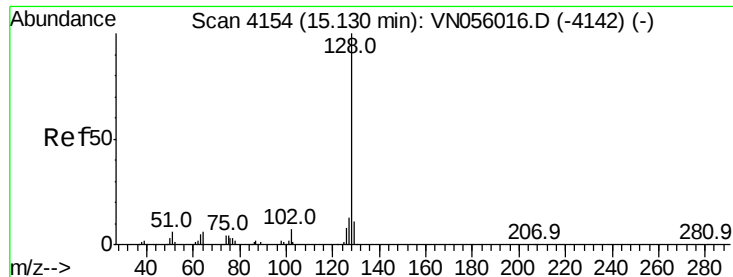
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#90
 Hexachlorobutadiene
 Concen: 19.561 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056090.D
 Acq: 7 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	125.6
227	62.8	0.0	128.6





#91

Naphthalene

Concen: 14.202 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Instrument :

MSVOA_N

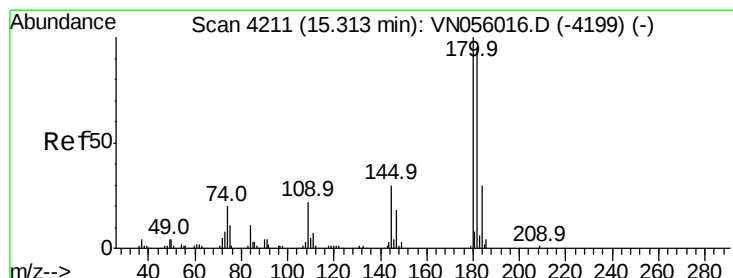
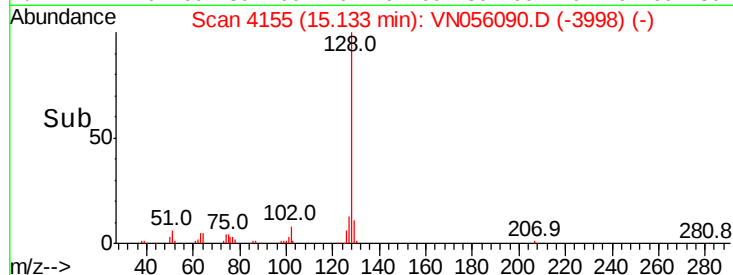
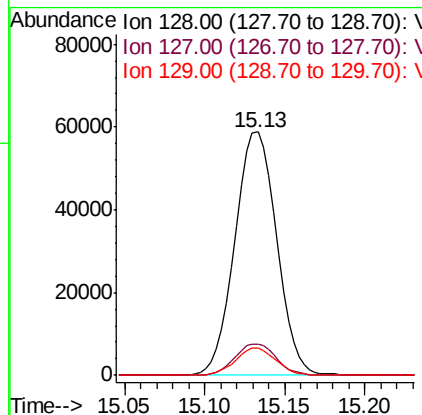
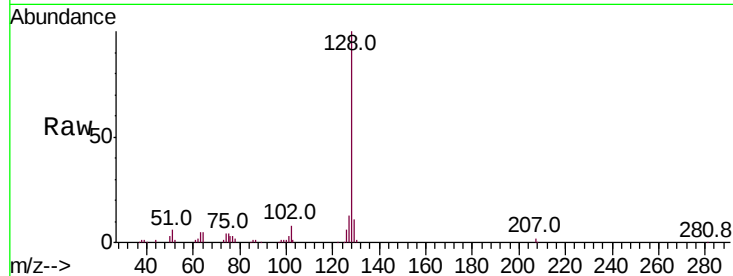
ClientSampleId :

VN0608WBSD01

Tot Ion:	128	Resp:	104980
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
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6/10/2019 3:31:26 PM



#92

1,2,3-Trichlorobenzene

Concen: 15.903 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056090.D

Acq: 7 Jun 2019 11:00

Tgt Ion:	180	Resp:	46332
Ion Ratio	Lower	Upper	
180	100		
182	95.4	0.0	193.4
145	28.9	0.0	59.8

