

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056015.D
 Acq On : 5 Jun 2019 18:53
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 10:19:25 AM

Quant Time: Jun 06 03:39:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 03:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55653	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	295897	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	253035	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	105231	29.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.17%
60) 4-Bromofluorobenzene	12.40	95	102030	26.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.43%
63) Toluene-d8	10.09	98	354980	30.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	13400	5.117	ug/l 97
3) Chloromethane	2.06	50	18164	5.200	ug/l 99
4) Vinyl Chloride	2.18	62	18051	5.029	ug/l 100
5) Bromomethane	2.54	94	13167	6.105	ug/l 93
6) Chloroethane	2.68	64	11192	5.362	ug/l 97
7) Trichlorofluoromethane	3.00	101	23382	5.196	ug/l 97
8) Diethyl Ether	3.40	74	10428	5.330	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	14626	5.187	ug/l 96
10) 1,1-Dichloroethene	3.72	96	14229	4.860	ug/l 97
11) Methyl Iodide	3.94	142	21090	4.952	ug/l 98
12) Methyl Acetate	4.33	43	21021	5.889	ug/l 97
13) Acrolein	3.60	56	4572	10.494	ug/l 95
14) Acrylonitrile	4.99	53	38985	24.157	ug/l 97
15) Acetone	3.82	58	12157	23.820	ug/l 88
16) Carbon Disulfide	4.04	76	30450	3.797	ug/l 100
17) Allyl chloride	4.31	41	21626	4.235	ug/l 100
18) Methylene Chloride	4.54	84	17668	5.263	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	15278	4.853	ug/l 93
20) Diisopropyl ether	5.95	45	46117	4.568	ug/l 98
21) 1,1-Dichloroethane	5.84	63	27503	4.817	ug/l 98
22) cis-1,2-Dichloroethene	6.82	96	17982	4.896	ug/l 97
23) tert-Butyl Alcohol	4.82	59	16390m	23.734	ug/l
24) Methyl tert-Butyl Ether	5.05	73	46608	4.752	ug/l 99
25) Chloroform	7.37	83	27087	4.784	ug/l 94
26) Cyclohexane	7.65	56	25724	4.867	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	19933	4.865	ug/l 98
30) 2-Butanone	6.84	43	52473	24.101	ug/l 100
31) 2,2-Dichloropropane	6.82	77	18538	4.068	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	21700	4.532	ug/l # 76
33) Carbon Tetrachloride	7.77	117	18086	4.283	ug/l 96
34) Benzene	8.04	78	66285	5.201	ug/l # 71
35) Methacrylonitrile	7.17	41	6376	3.143	ug/l 91
36) 1,2-Dichloroethane	8.12	62	21640	5.251	ug/l 97
37) Trichloroethene	8.83	130	18164	5.094	ug/l 95
38) Methylcyclohexane	9.08	83	26617	5.129	ug/l 95
39) 1,2-Dichloropropane	9.12	63	16507	4.860	ug/l 98
40) Dibromomethane	9.21	93	11082	5.022	ug/l 99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	18154	4.148	ug/l	98
42) Vinyl Acetate	5.90	43	178105	21.454	ug/l	99
43) Ethyl Acetate	6.94	43	21169	4.984	ug/l #	76
44) Isopropyl Acetate	8.17	43	30474	4.390	ug/l	97
45) 1,4-Dioxane	9.21	88	6548	97.231	ug/l #	92
46) Methyl methacrylate	9.20	41	16144	4.970	ug/l	94
47) n-amyl Acetate	12.07	43	23503	4.107	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	17075	3.574	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	21558	4.061	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	16551	5.151	ug/l	99
51) Ethyl methacrylate	10.43	69	23737	4.665	ug/l	98
52) 1,3-Dichloropropane	10.71	76	26288	4.980	ug/l	97
53) Dibromochloromethane	10.90	129	13232	3.642	ug/l	95
54) 1,2-Dibromoethane	11.01	107	16578	4.987	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	36967	19.035	ug/l	99
56) Bromoform	12.13	173	8715	3.007	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	100027	24.455	ug/l	99
59) 2-Hexanone	10.75	43	69625	23.767	ug/l	99
61) Tetrachloroethene	10.63	164	19375	5.639	ug/l	99
62) Toluene	10.15	91	73845	5.442	ug/l	100
64) Chlorobenzene	11.43	112	42602	5.180	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	14518	4.489	ug/l	98
66) Ethyl Benzene	11.51	91	74681	5.063	ug/l	98
67) m/p-Xylenes	11.62	106	56275	10.035	ug/l	99
68) o-Xylene	11.95	106	27837	5.029	ug/l	96
69) Styrene	11.96	104	40309	4.428	ug/l	99
70) Isopropylbenzene	12.25	105	73357	5.061	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	21629	4.873	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	20164m	5.307	ug/l	
73) Bromobenzene	12.53	156	18052	4.709	ug/l	98
74) n-propylbenzene	12.59	91	69250	4.463	ug/l	99
75) 2-Chlorotoluene	12.67	91	46914	4.939	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	57901	4.848	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	3762	2.650	ug/l	75
78) 4-Chlorotoluene	12.77	91	38131	4.253	ug/l	96
79) tert-butylbenzene	12.99	119	55706	5.314	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	53576	4.538	ug/l	99
81) sec-Butylbenzene	13.17	105	63351	4.752	ug/l	99
82) p-Isopropyltoluene	13.29	119	54328	4.448	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	23841	3.991	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	21951	3.872	ug/l	99
85) n-Butylbenzene	13.61	91	35201	3.751	ug/l	100
86) Hexachloroethane	13.87	117	7741	3.383	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	26586	4.419	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2747	3.435	ug/l	89
89) 1,2,4-Trichlorobenzene	14.91	180	7570	2.379	ug/l	99
90) Hexachlorobutadiene	15.01	225	11005	4.622	ug/l	97
91) Naphthalene	15.13	128	22563	2.603	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	9686	2.906	ug/l	97

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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

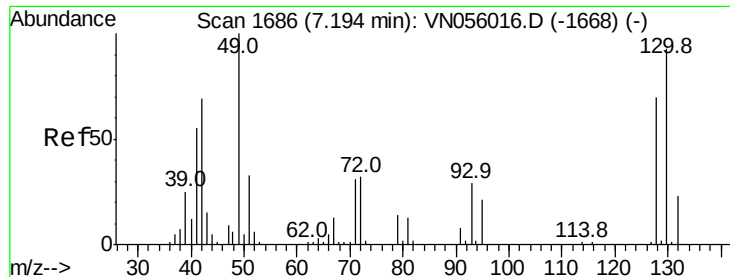
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



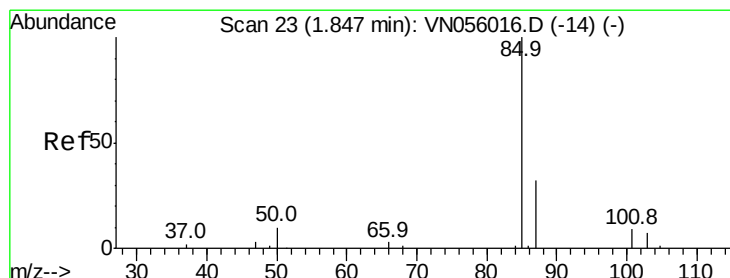
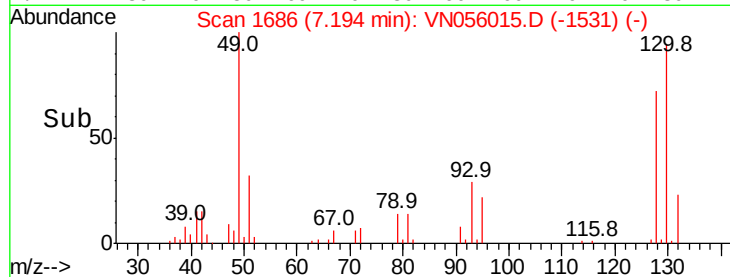
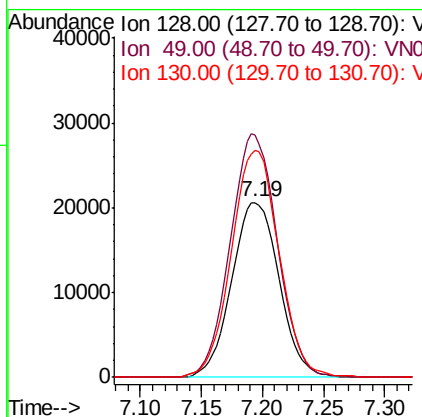
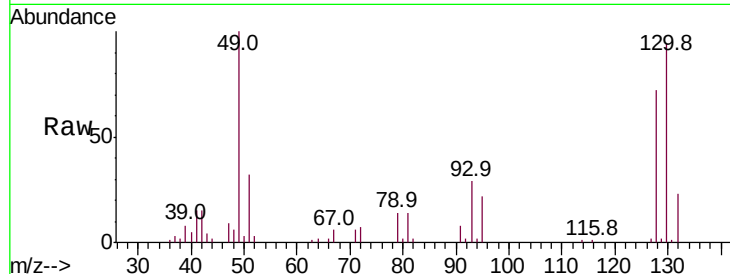
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.4	0.0	355.8
130	130.4	0.0	326.3

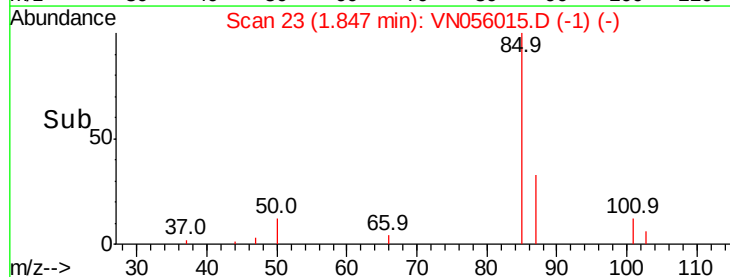
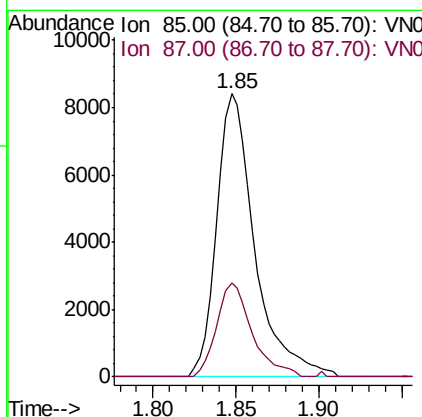
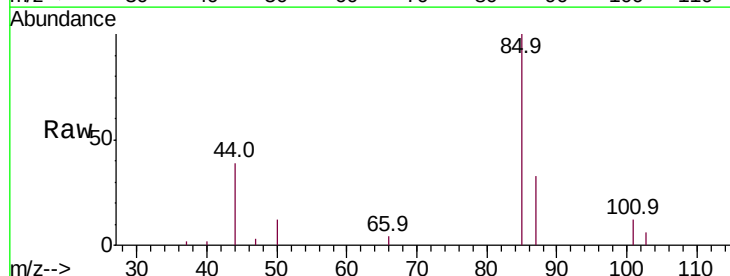
Manual Integrations
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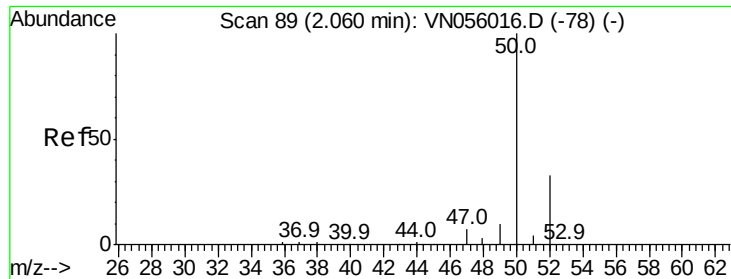
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#2
 Dichlorodifluoromethane
 Concen: 5.117 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.9	47.7





#3

Chloromethane

Concen: 5.200 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 18164

Ion Ratio Lower Upper

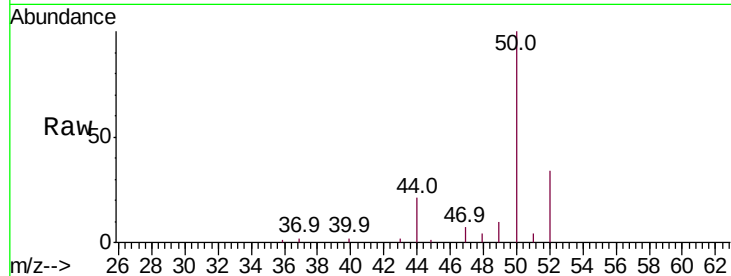
50 100

52 34.1 26.7 40.1

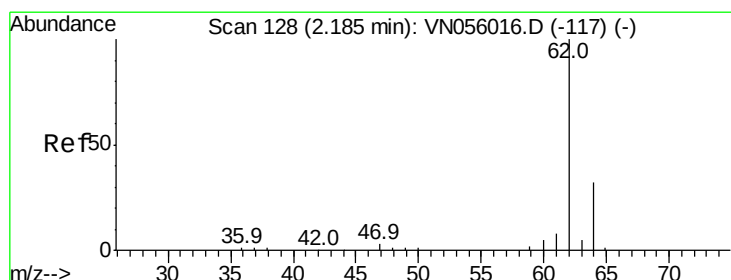
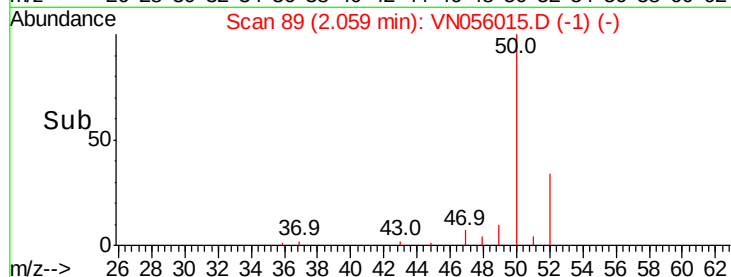
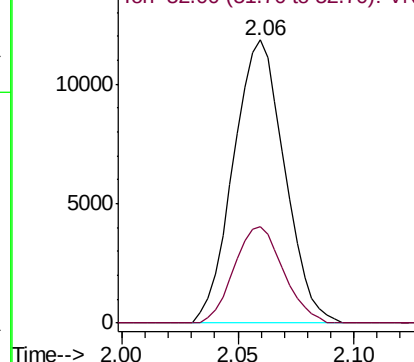
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Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 5.029 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056015.D

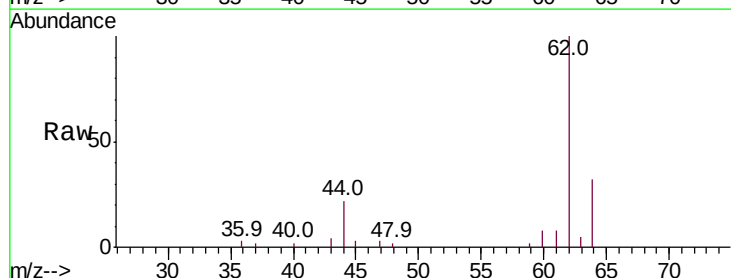
Acq: 5 Jun 2019 18:53

Tgt Ion: 62 Resp: 18051

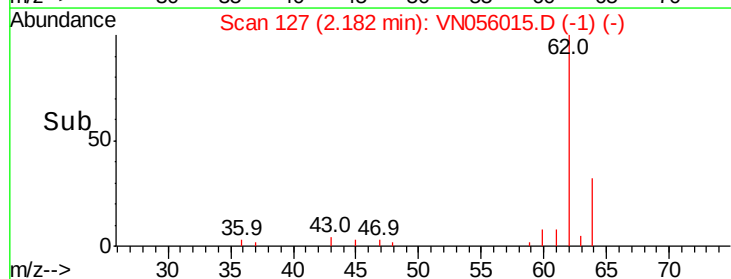
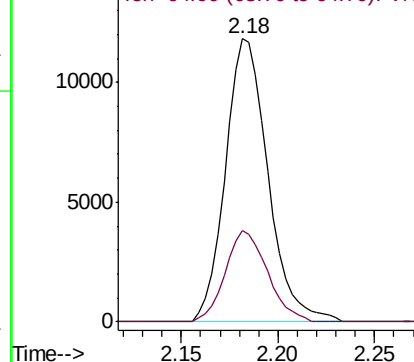
Ion Ratio Lower Upper

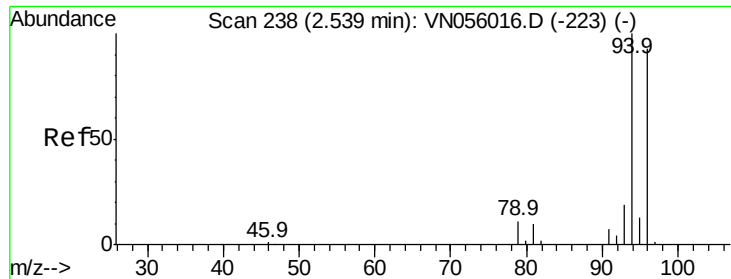
62 100

64 32.1 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: 6.105 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13167

Ion Ratio Lower Upper

94 100

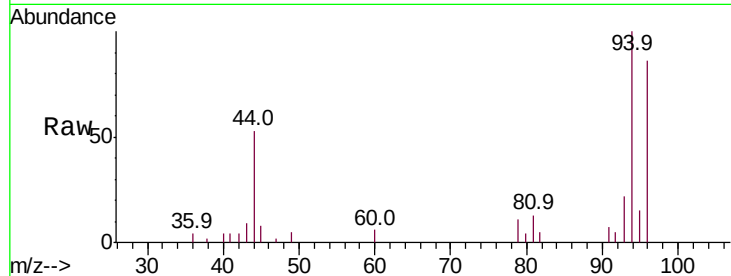
96 86.2 74.1 111.1

Manual Integrations

APPROVED

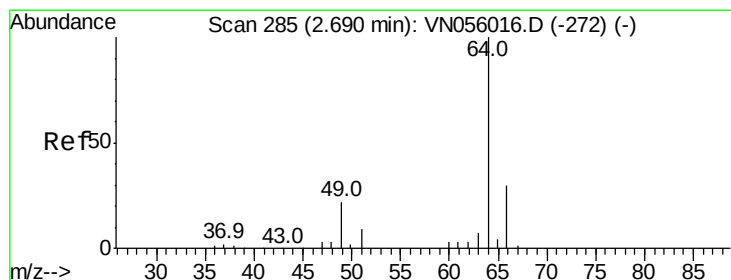
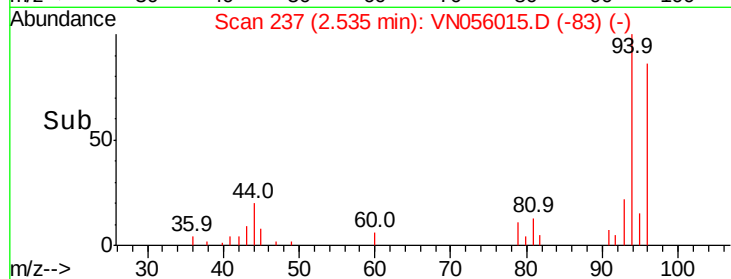
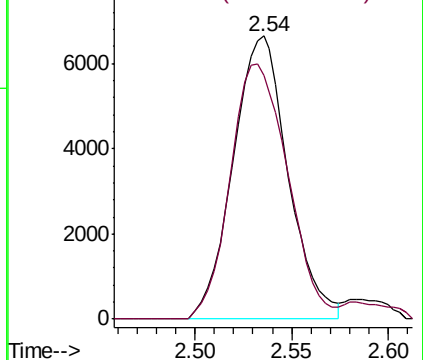
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.362 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056015.D

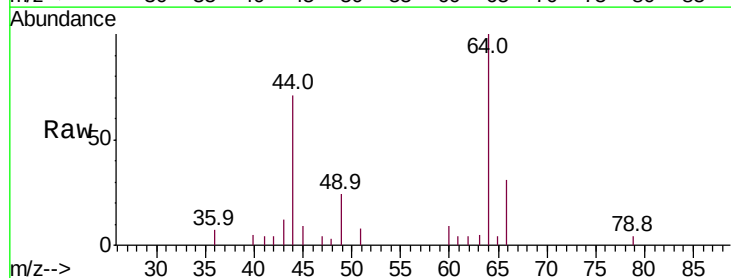
Acq: 5 Jun 2019 18:53

Tgt Ion: 64 Resp: 11192

Ion Ratio Lower Upper

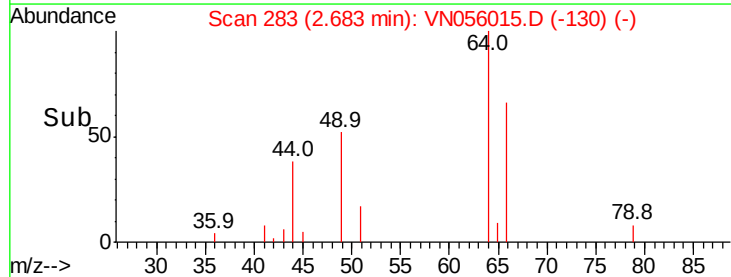
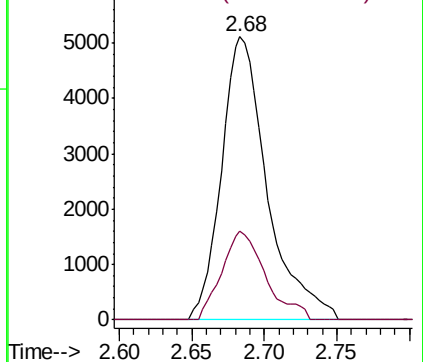
64 100

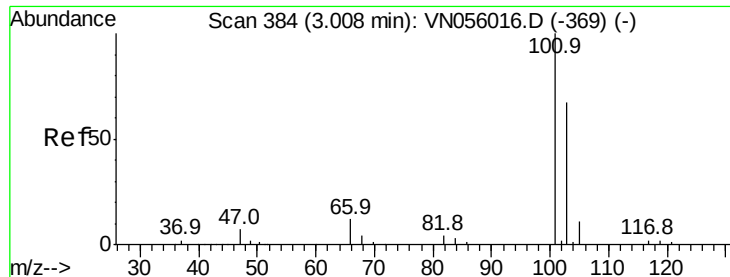
66 31.4 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

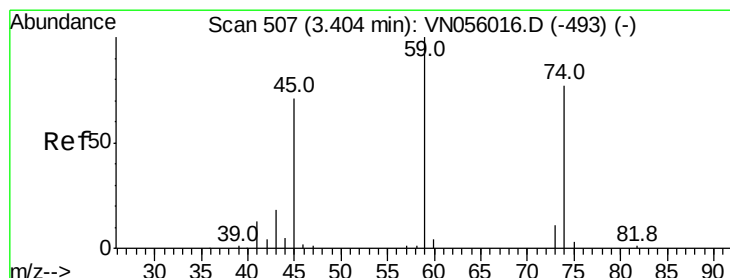
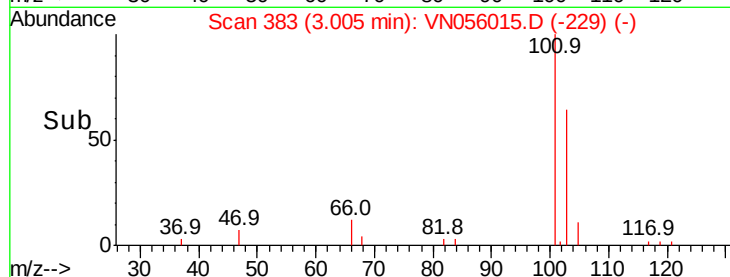
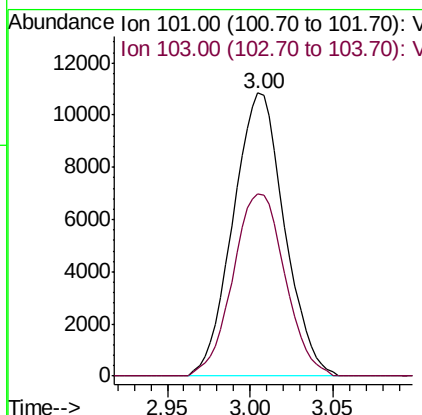
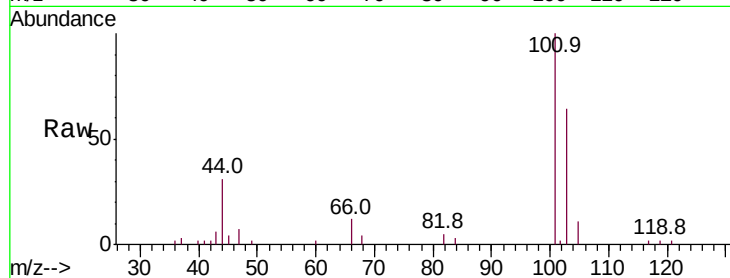
Trichlorofluoromethane
 Concen: 5.196 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.4	80.0

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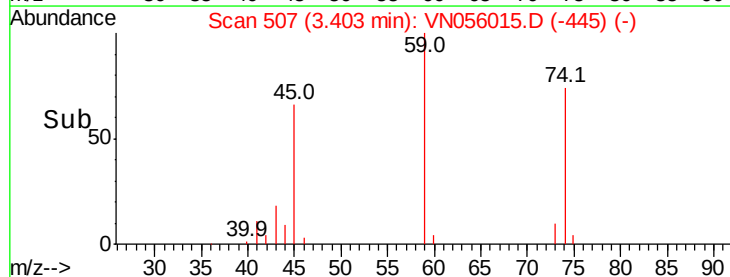
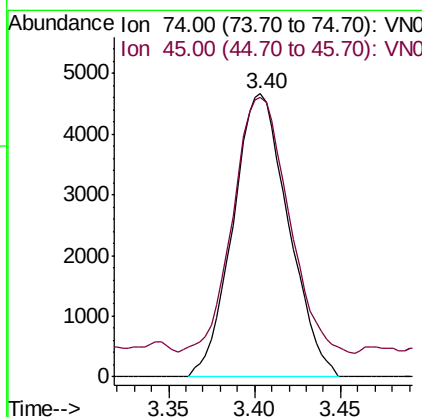
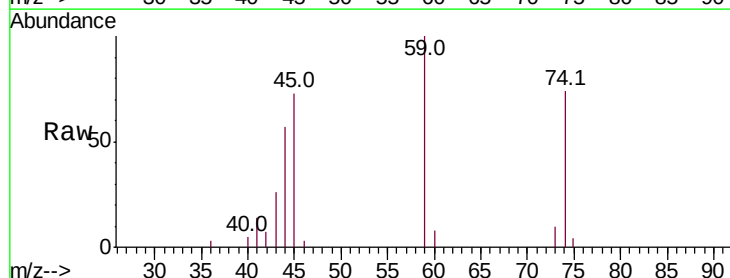
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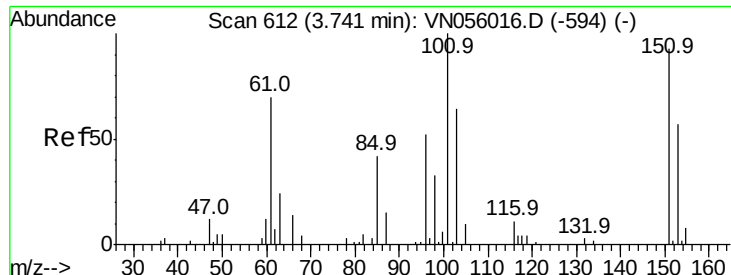


#8

Diethyl Ether
 Concen: 5.330 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.0	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.187 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

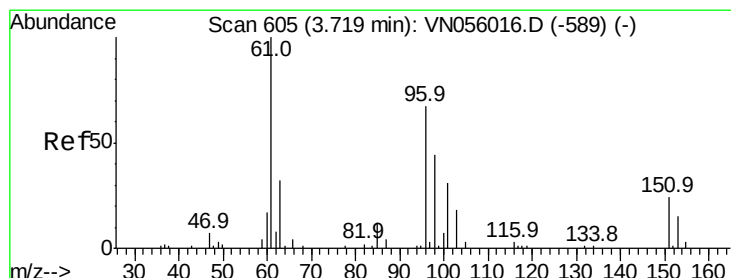
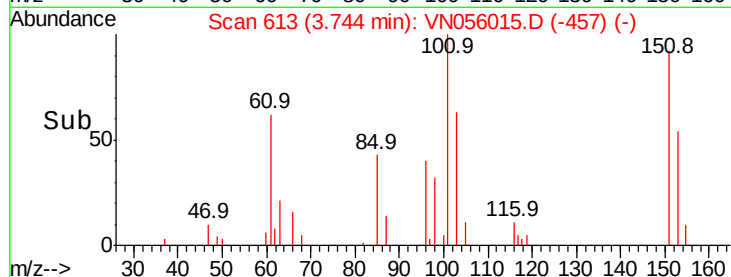
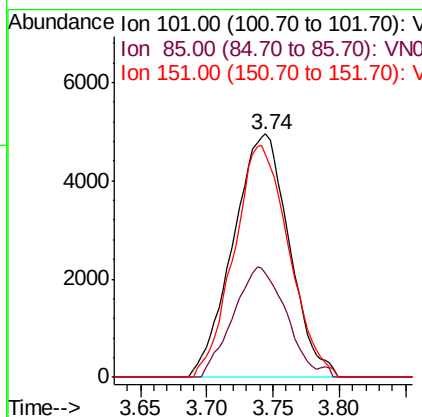
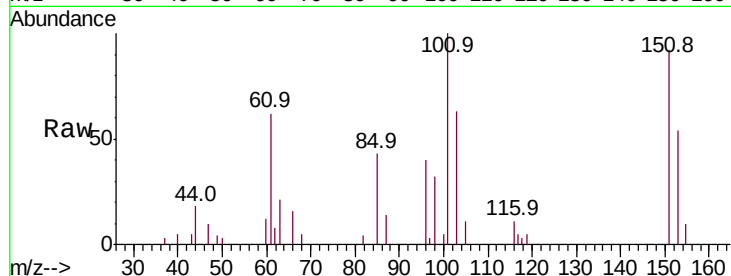
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	14626
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	82.0
151	93.0	0.0	177.0

Manual Integrations
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6/6/2019 10:19:25 AM



#10

1,1-Dichloroethene

Concen: 4.860 ug/l

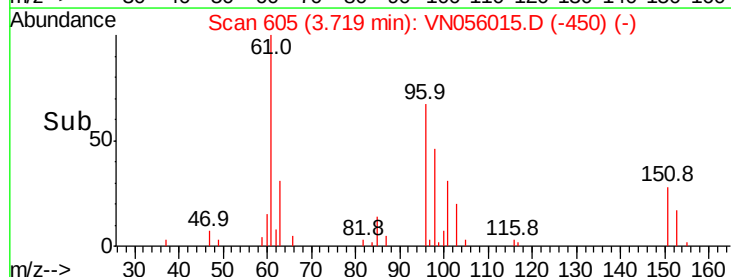
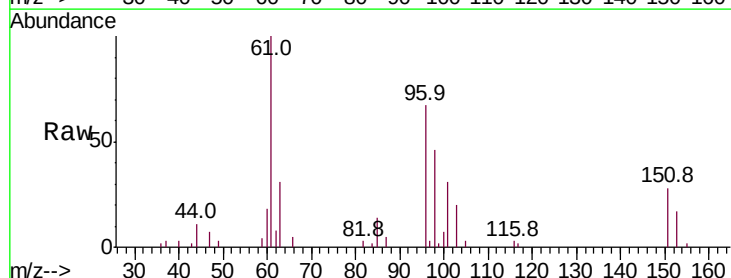
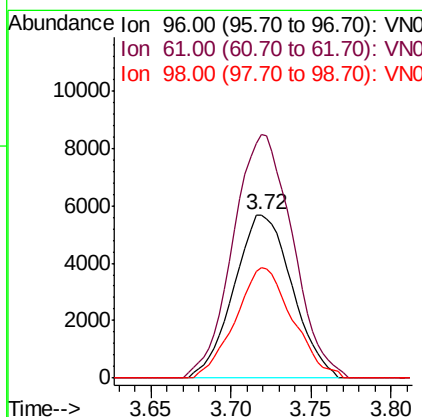
RT: 3.72 min Scan# 605

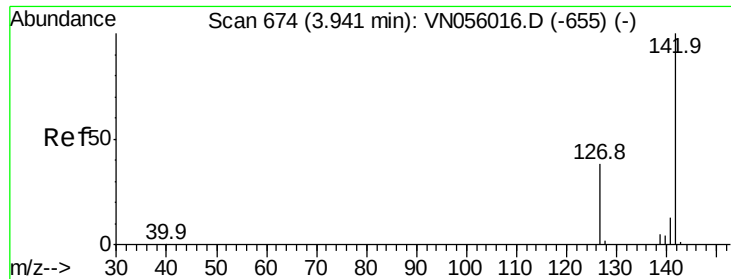
Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion:	96	Resp:	14229
Ion Ratio	Lower	Upper	
96	100		
61	145.6	119.7	179.5
98	68.0	52.3	78.5





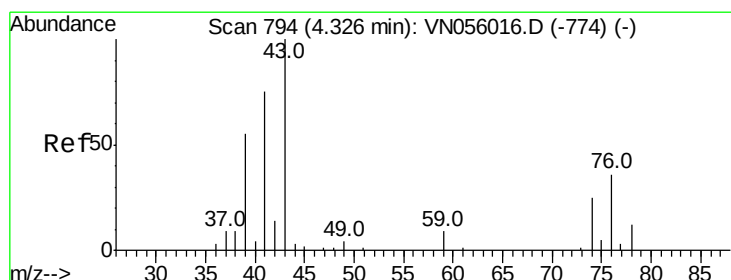
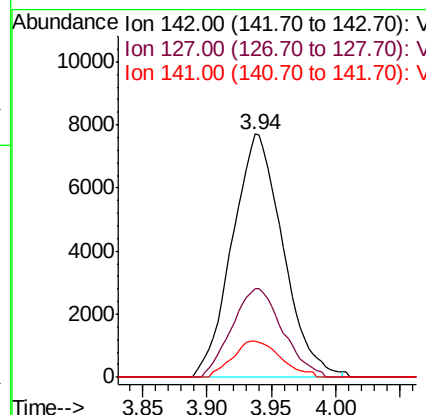
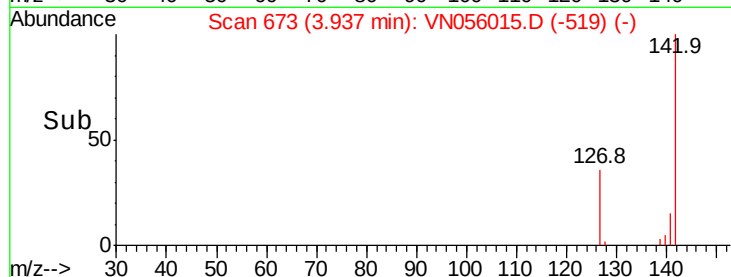
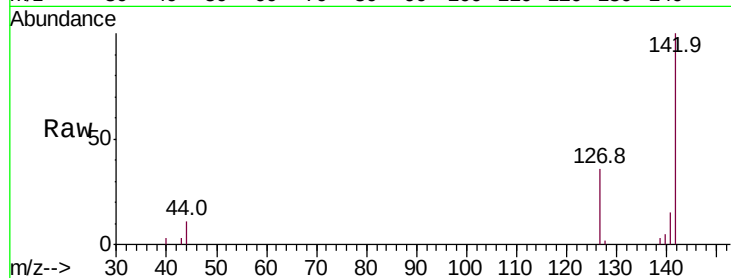
#11
Methvl Iodide
Concen: 4.952 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.6	19.0	57.0
141	13.7	6.7	20.0

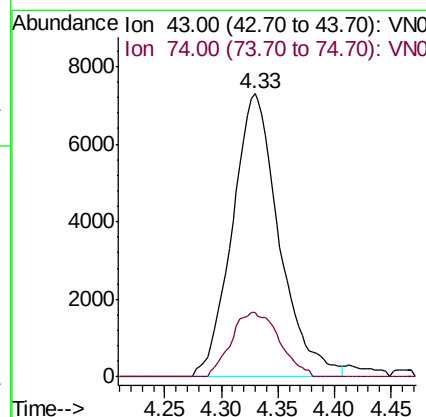
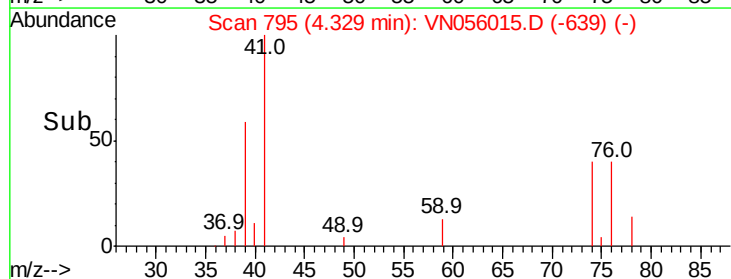
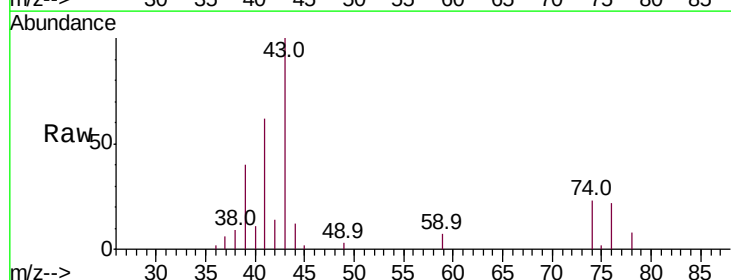
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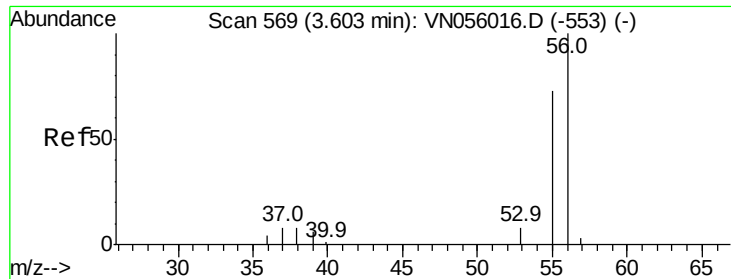
MMDadoda
6/6/2019 10:19:25 AM



#12
Methyl Acetate
Concen: 5.889 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.9	29.9





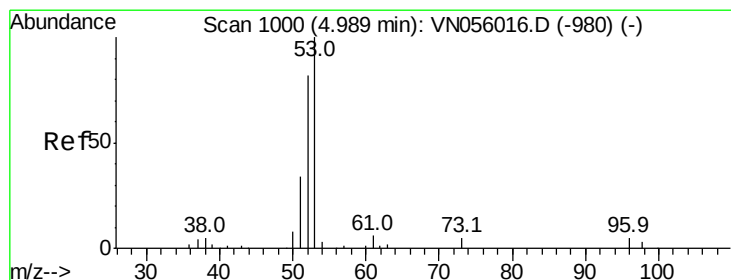
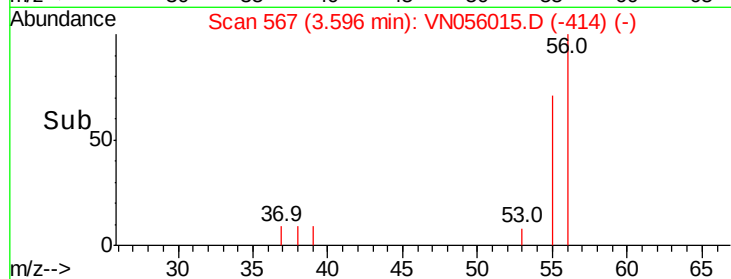
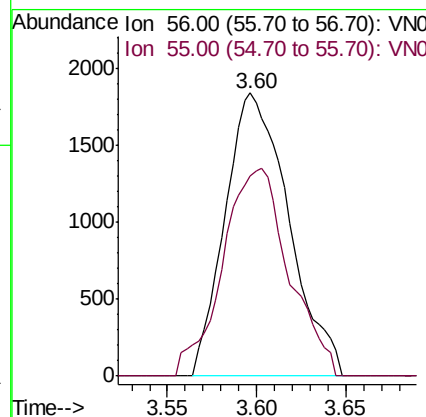
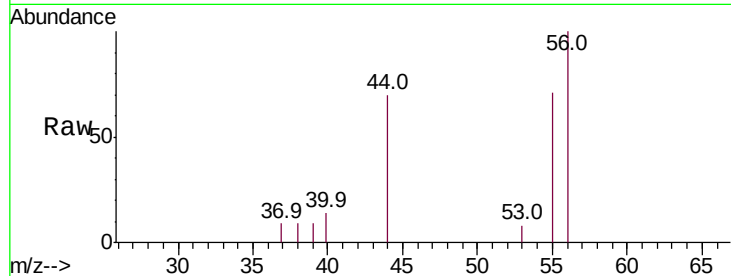
#13
Acrolein
Concen: 10.494 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 56 Resp: 4572
Ion Ratio Lower Upper
56 100
55 76.5 57.9 86.9

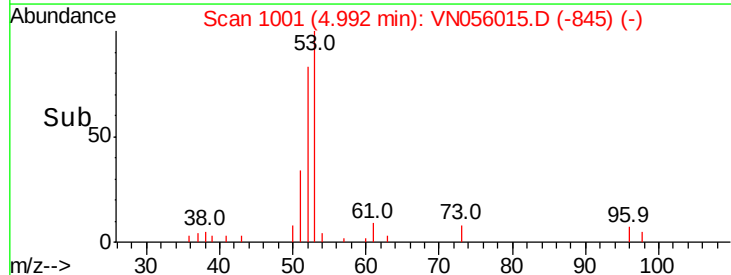
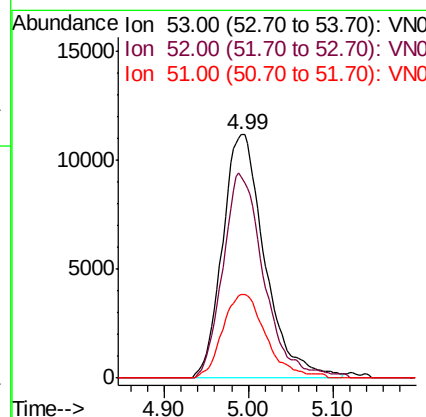
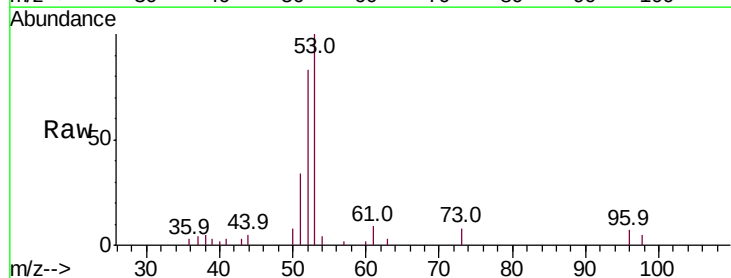
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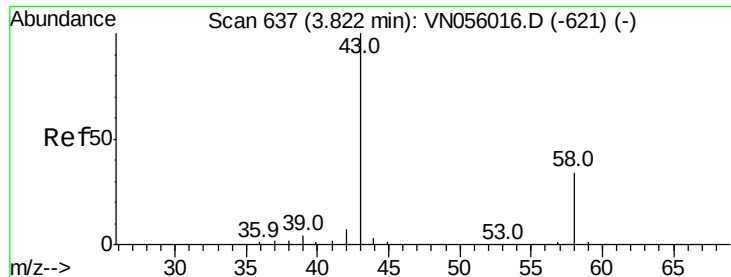
MMDadoda
6/6/2019 10:19:25 AM



#14
Acrylonitrile
Concen: 24.157 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion: 53 Resp: 38985
Ion Ratio Lower Upper
53 100
52 78.3 40.8 122.2
51 34.8 17.3 52.0





#15

Acetone

Concen: 23.820 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 12157

Ion Ratio Lower Upper

58 100

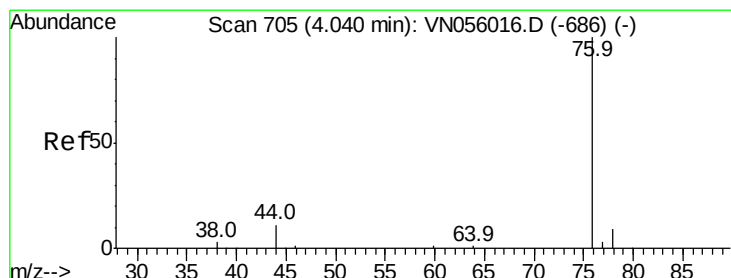
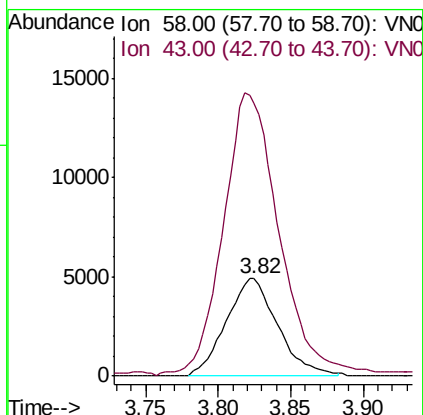
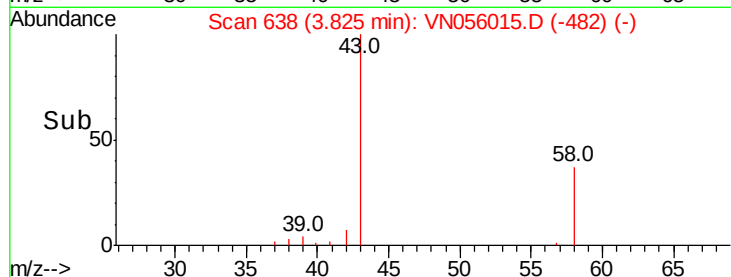
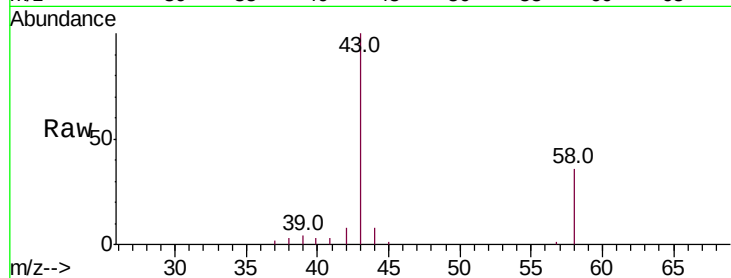
43 268.0 232.5 348.7

Manual Integrations

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6/6/2019 10:19:25 AM



#16

Carbon Disulfide

Concen: 3.797 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056015.D

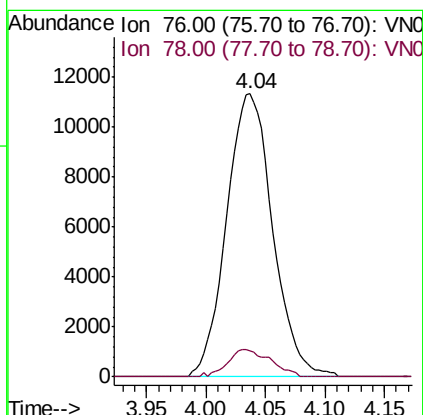
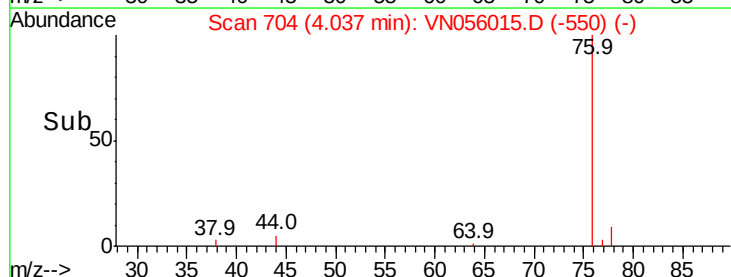
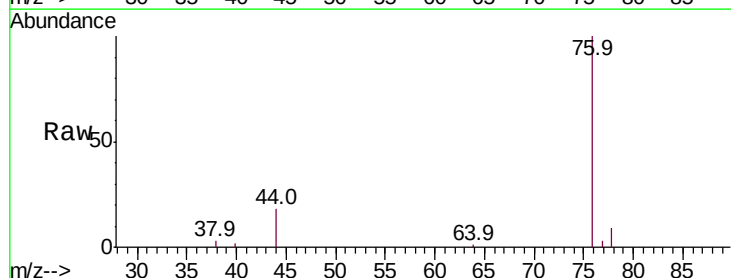
Acq: 5 Jun 2019 18:53

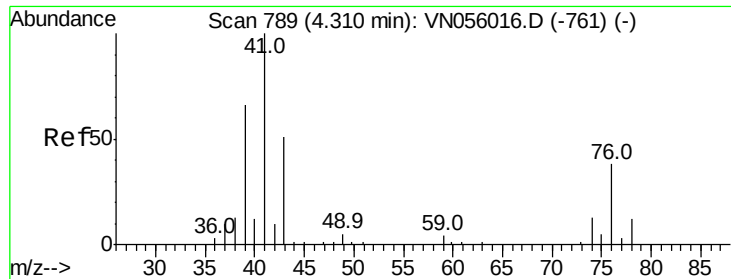
Tgt Ion: 76 Resp: 30450

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





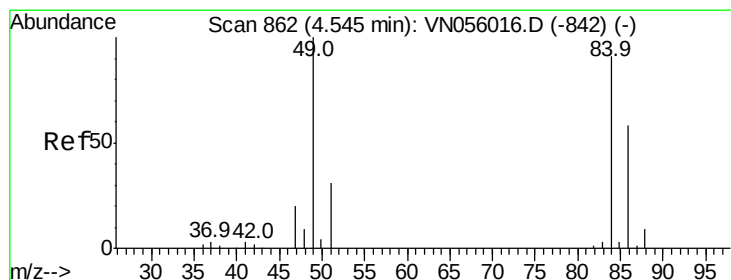
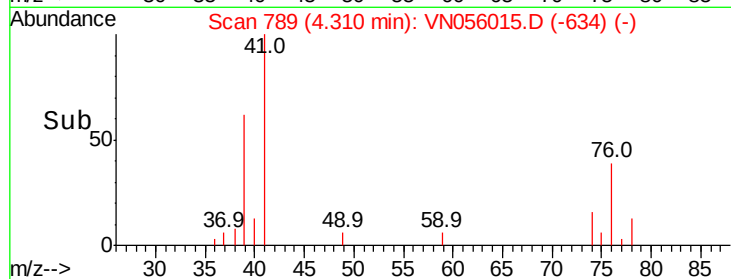
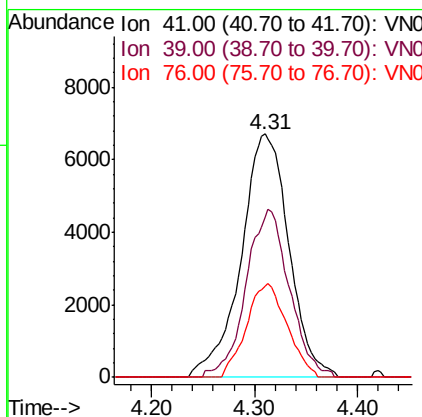
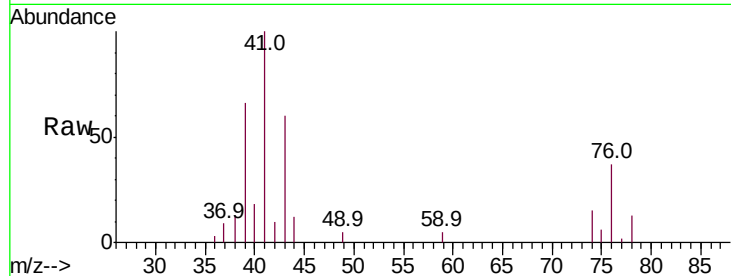
#17
Allvl chloride
Concen: 4.235 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	21626
Ion	Ratio	Lower	Upper
41	100		
39	66.0	33.0	99.0
76	37.5	18.9	56.9

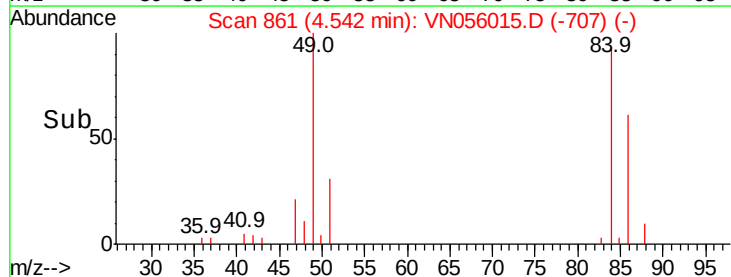
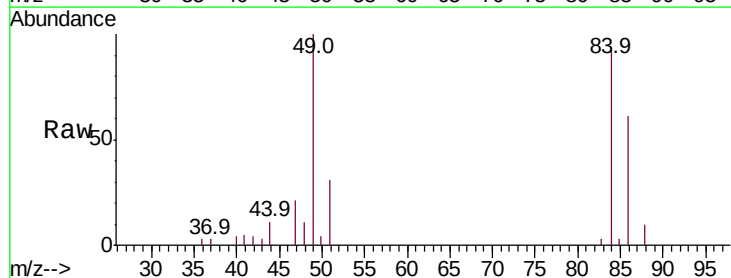
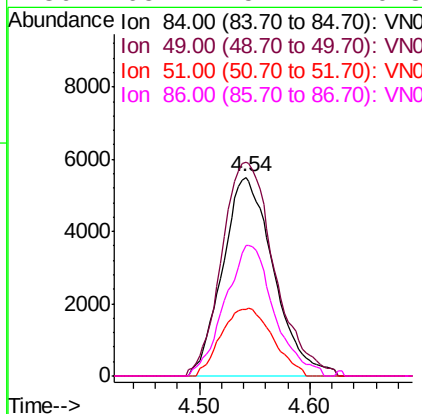
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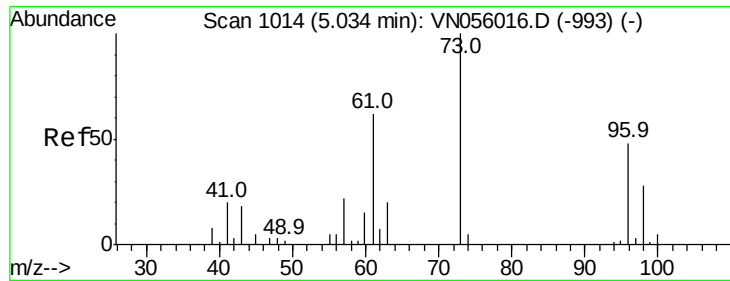
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#18
Methylene Chloride
Concen: 5.263 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion:	84	Resp:	17668
Ion	Ratio	Lower	Upper
84	100		
49	107.3	87.6	131.4
51	33.3	27.0	40.4
86	65.4	51.2	76.8





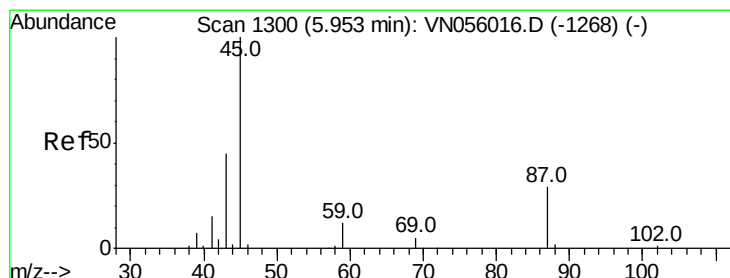
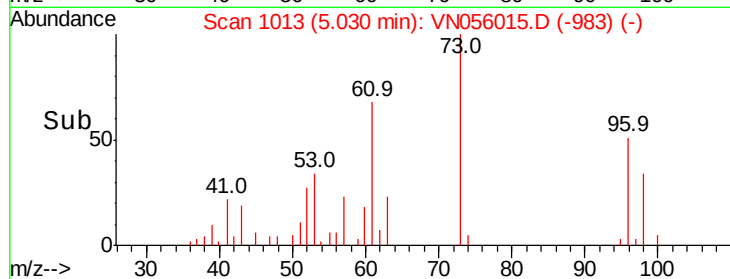
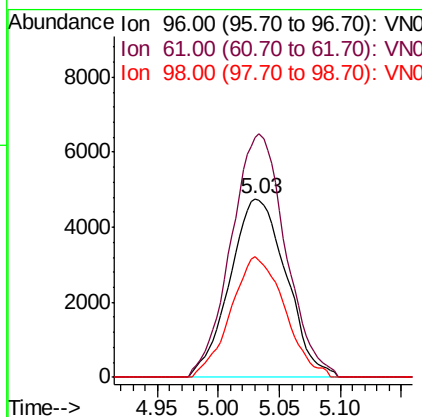
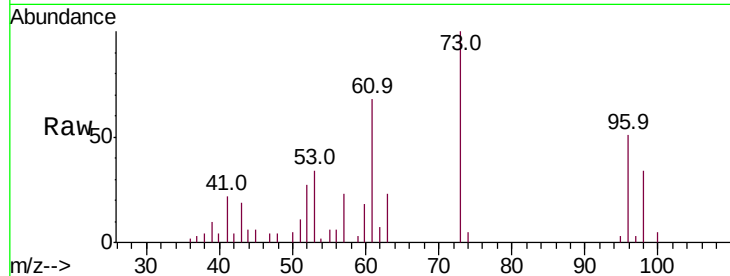
#19
trans-1,2-Dichloroethene
Concen: 4.853 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	102.5	153.7
98	67.6	46.9	70.3

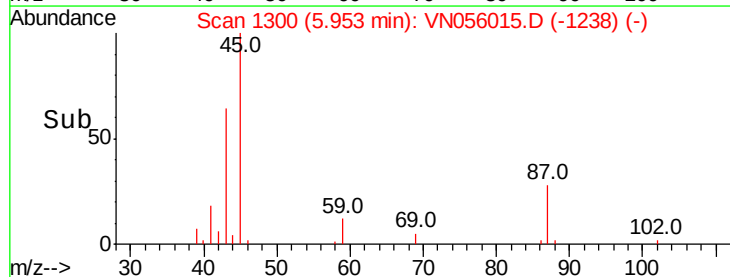
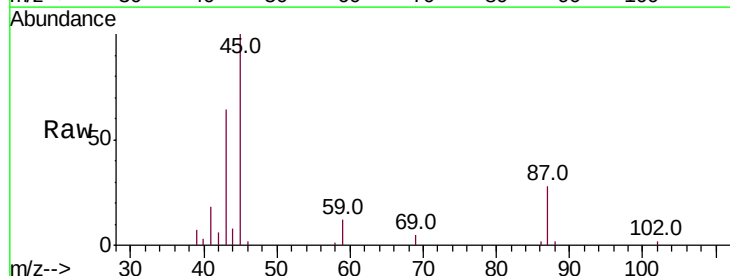
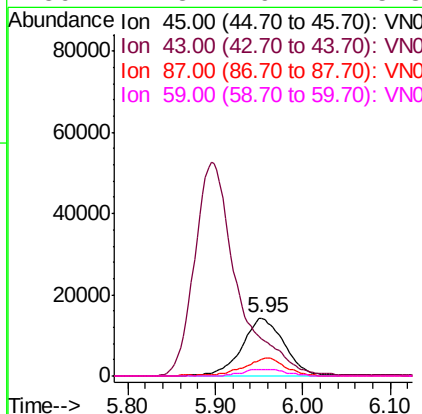
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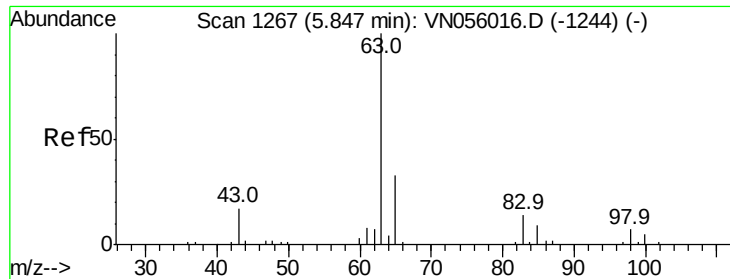
MMDadoda
6/6/2019 10:19:25 AM



#20
Diisopropyl ether
Concen: 4.568 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	48.0	72.0
87	28.7	23.4	35.2
59	12.3	9.2	13.8





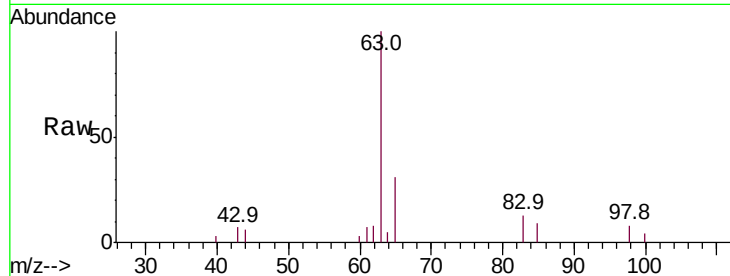
#21
 1,1-Dichloroethane
 Concen: 4.817 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

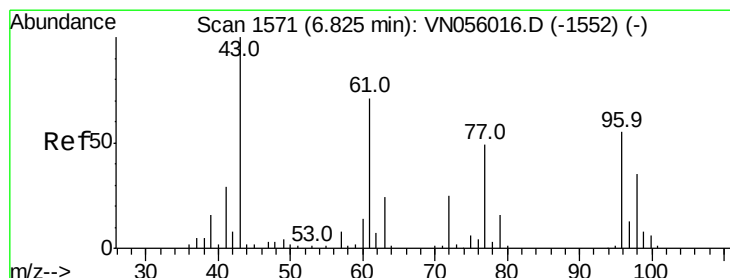
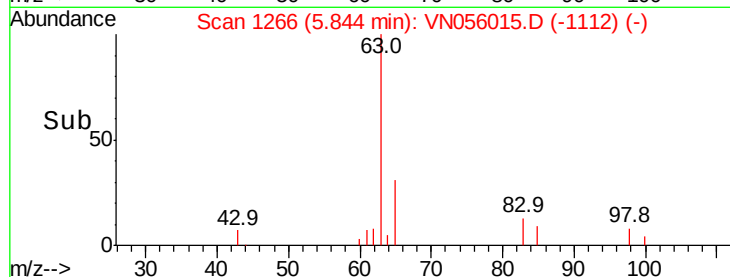
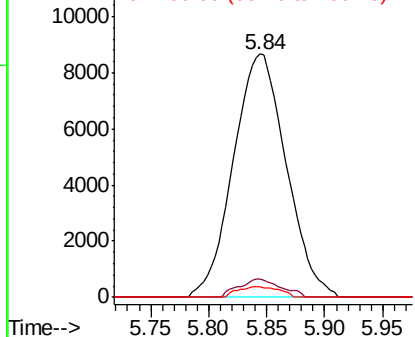
Tot Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.5
100	4.2	2.3	6.9

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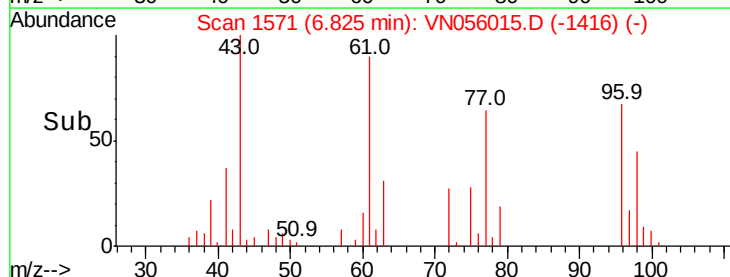
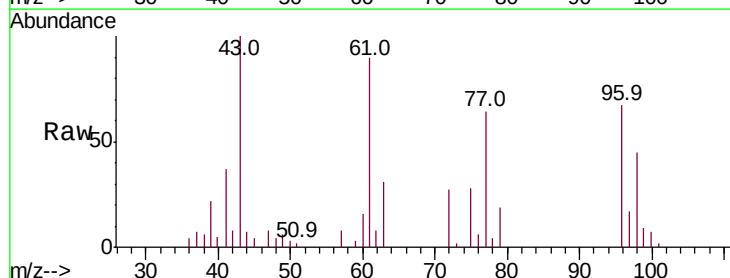
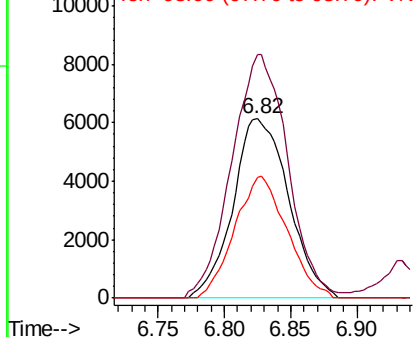
Abundance Ion 63.00 (62.70 to 63.70): VN056015.D (-1112) (-)
 Ion 98.00 (97.70 to 98.70): VN056015.D (-1112) (-)
 Ion 100.00 (99.70 to 100.70): VN056015.D (-1112) (-)

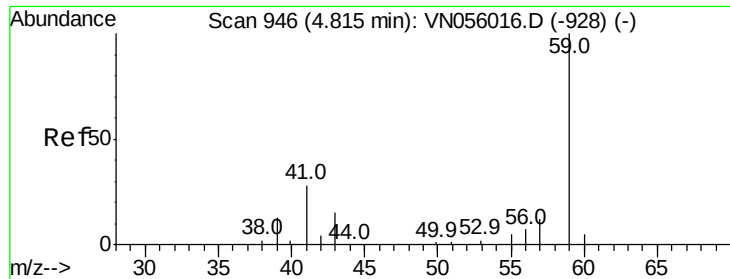


#22
 cis-1,2-Dichloroethene
 Concen: 4.896 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.3	105.7	158.5
98	63.9	52.0	78.0

Abundance Ion 96.00 (95.70 to 96.70): VN056015.D (-1416) (-)
 Ion 61.00 (60.70 to 61.70): VN056015.D (-1416) (-)
 Ion 98.00 (97.70 to 98.70): VN056015.D (-1416) (-)





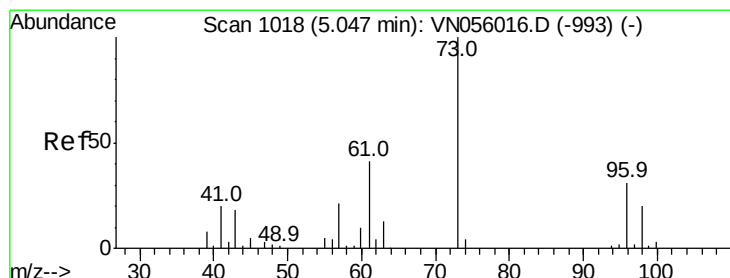
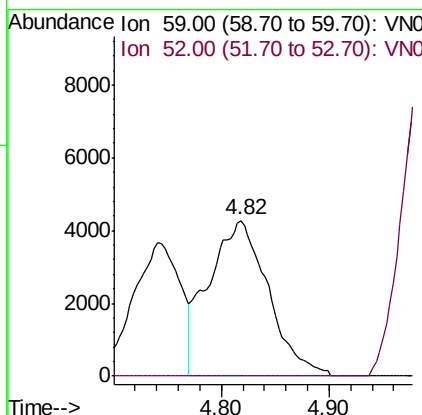
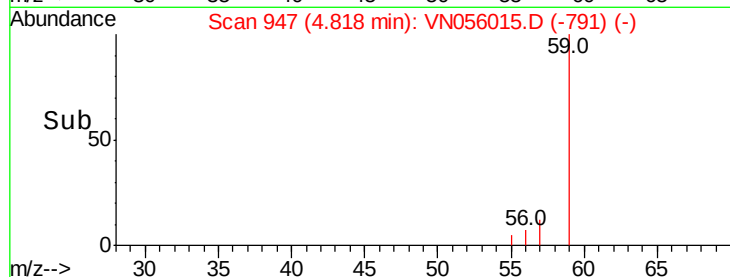
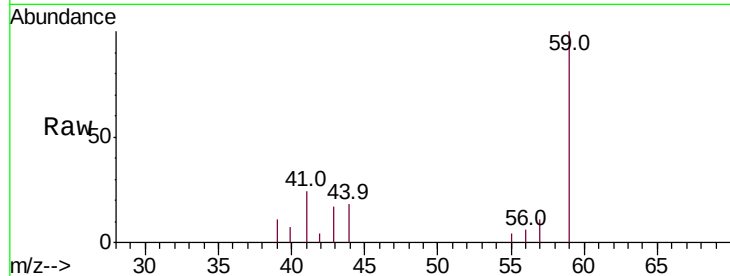
#23
 tert-Butyl Alcohol
 Concen: 23.734 ug/l m
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 59 Resp: 16390
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

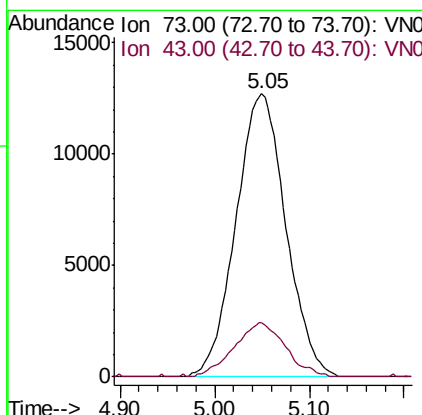
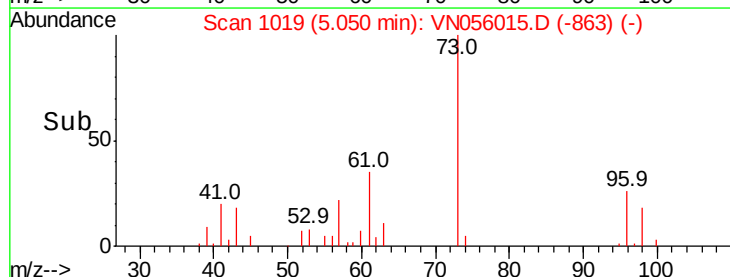
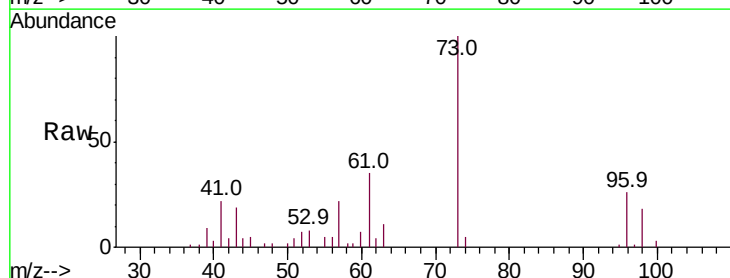
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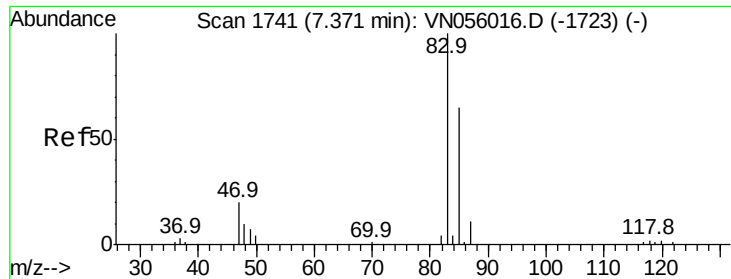
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 4.752 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion: 73 Resp: 46608
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.4 23.0





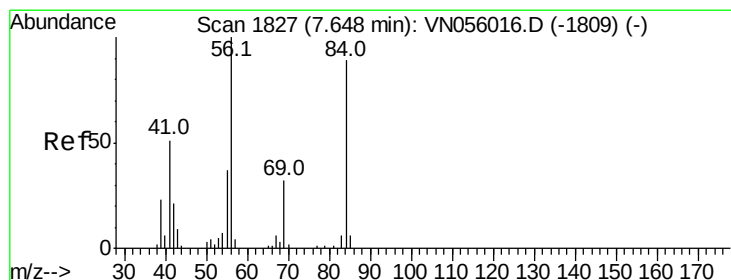
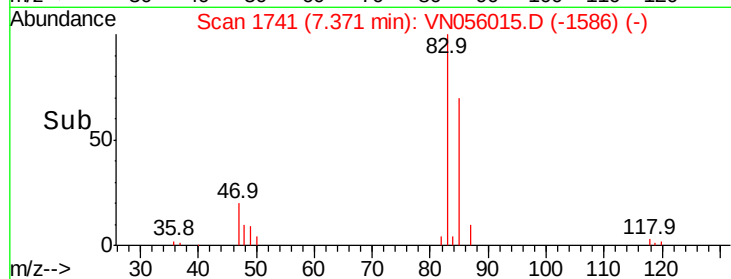
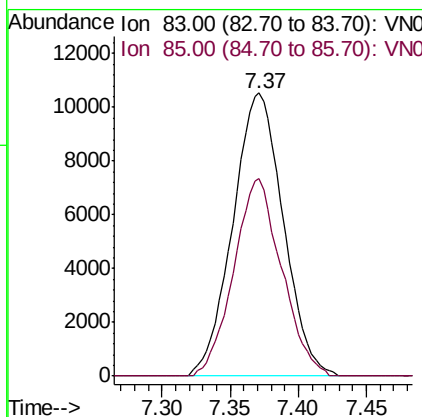
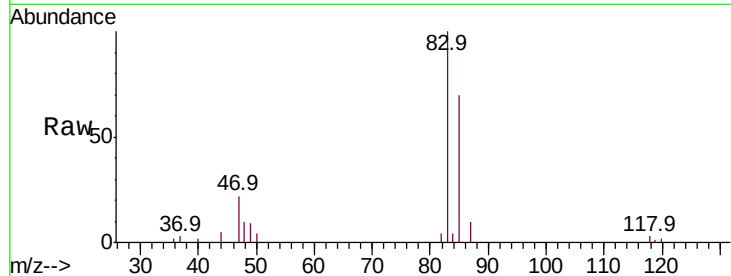
#25
Chloroform
Concen: 4.784 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	27087
Ion Ratio	100	Lower	Upper
85	69.8	52.0	78.0

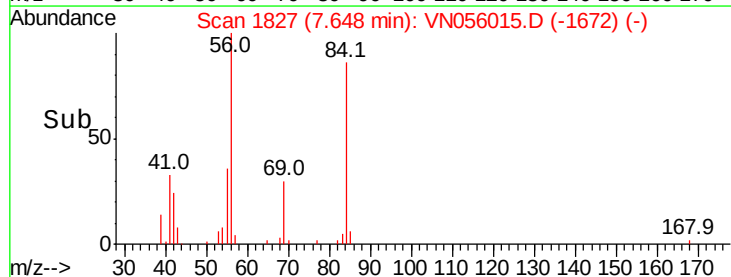
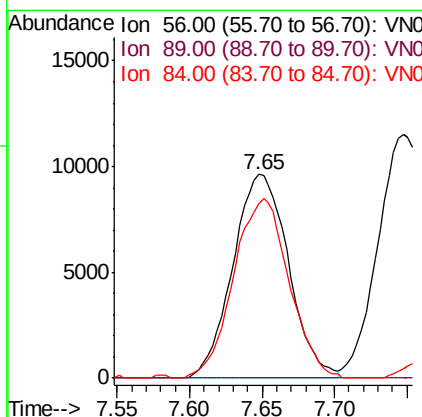
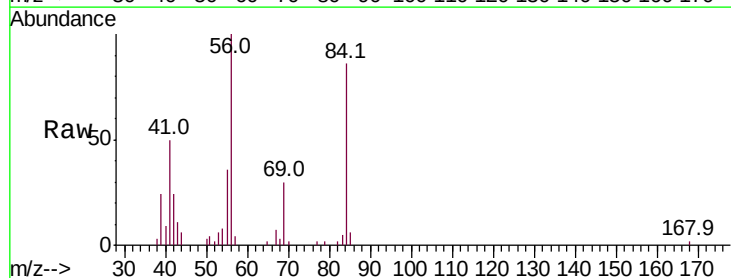
Manual Integrations
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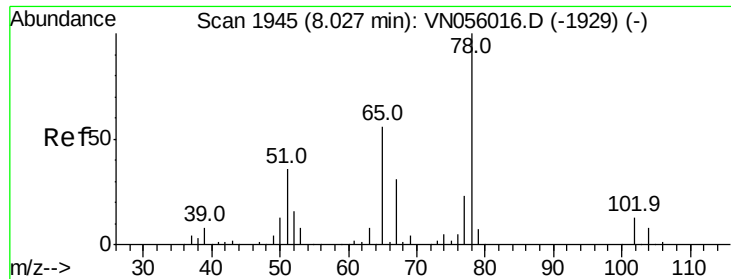
MMDadoda
6/6/2019 10:19:25 AM



#26
Cyclohexane
Concen: 4.867 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	56	Resp	25724
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	87.7	70.1	105.1





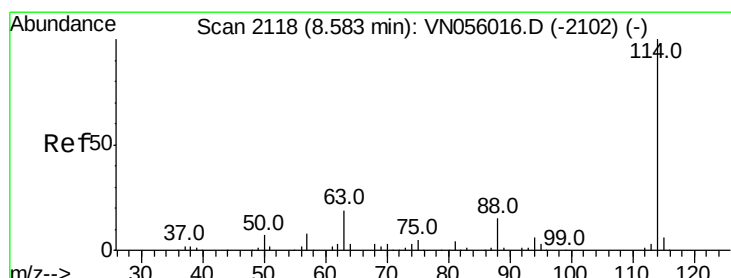
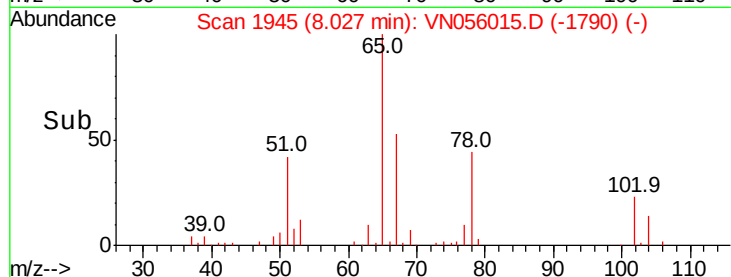
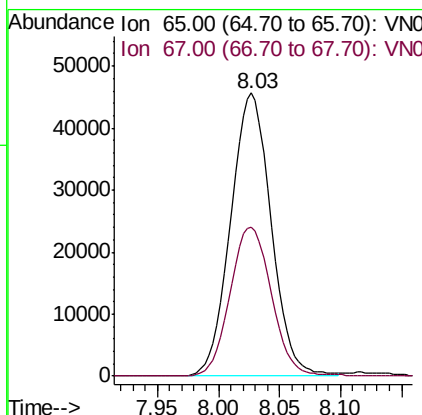
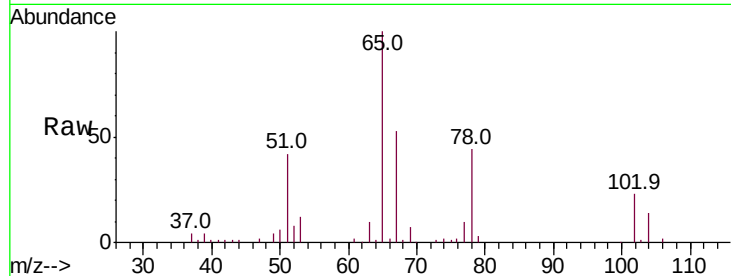
#27
 1,2-Dichloroethane-d4
 Concen: 29.151 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	43.4	65.2

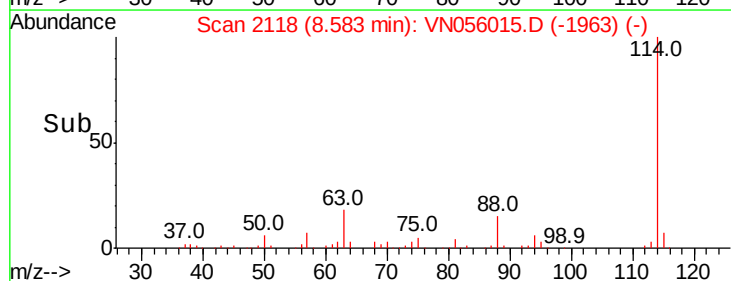
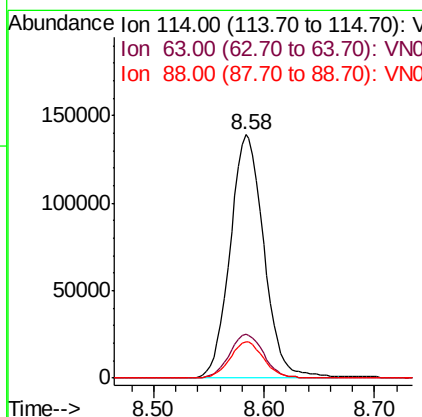
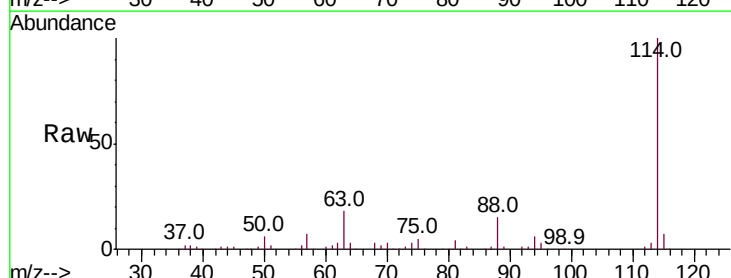
Manual Integrations
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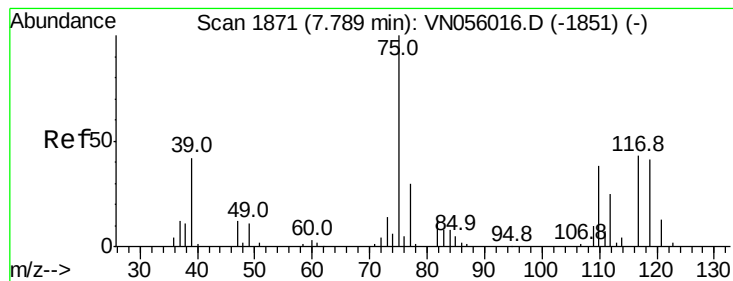
MMDadoda
 6/6/2019 10:19:25 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt 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: 4.865 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

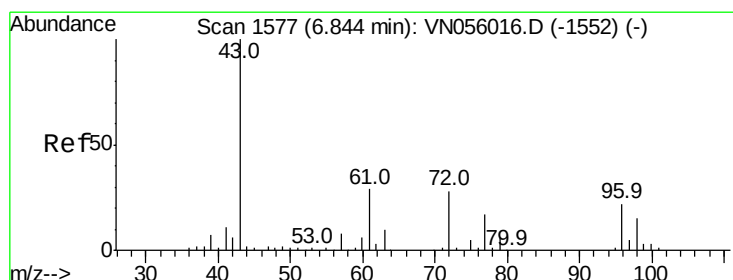
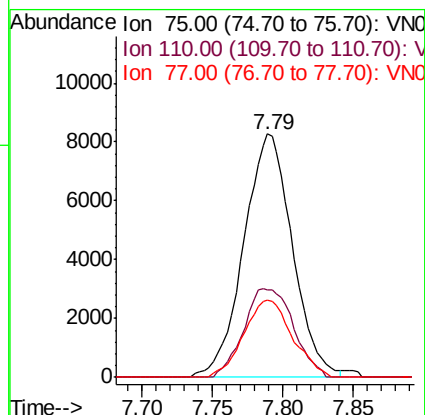
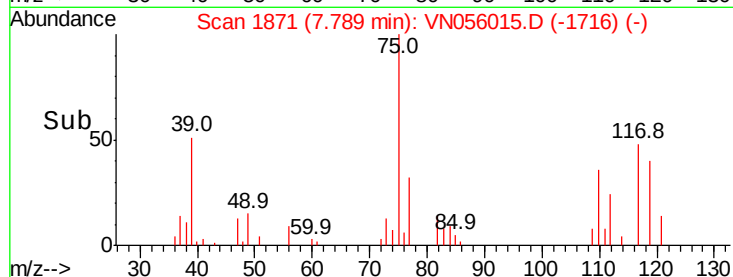
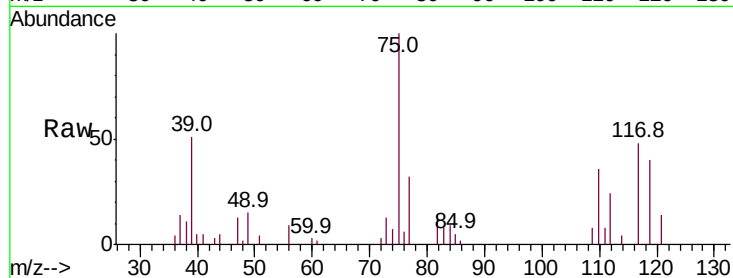
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	19933
Ion	Ratio	Lower	Upper
75	100		
110	37.2	0.0	77.0
77	31.7	0.0	62.4

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#30

2-Butanone

Concen: 24.101 ug/l

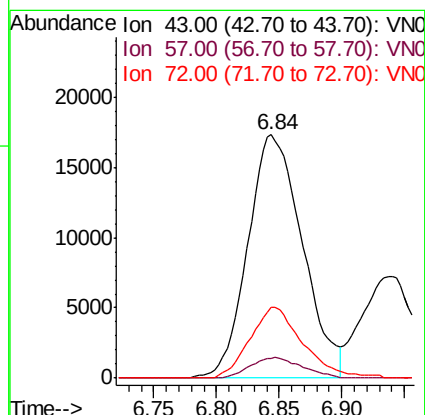
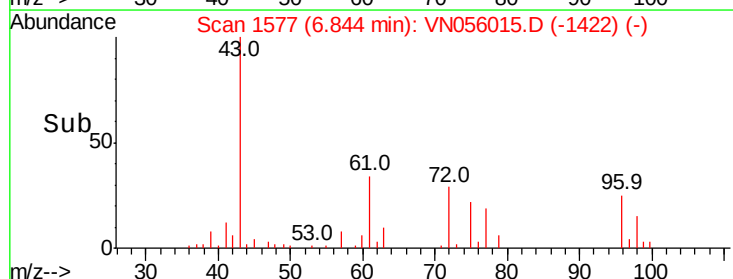
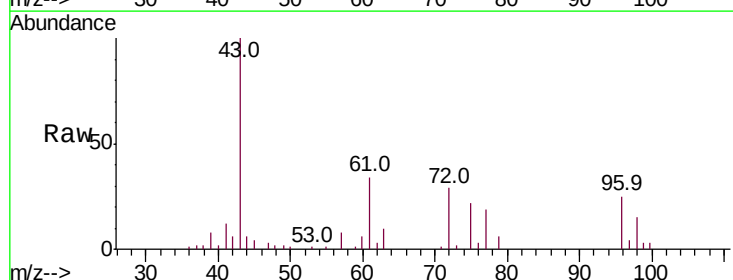
RT: 6.84 min Scan# 1577

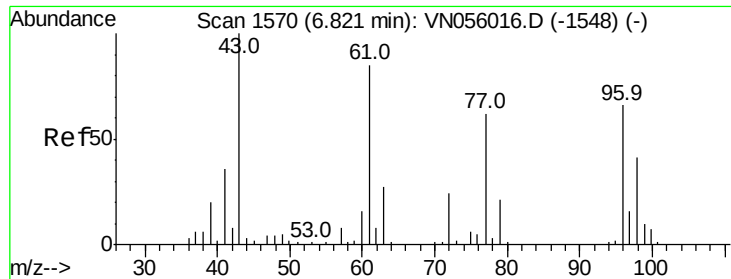
Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion:	43	Resp:	52473
Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.7	10.1
72	28.0	22.4	33.6





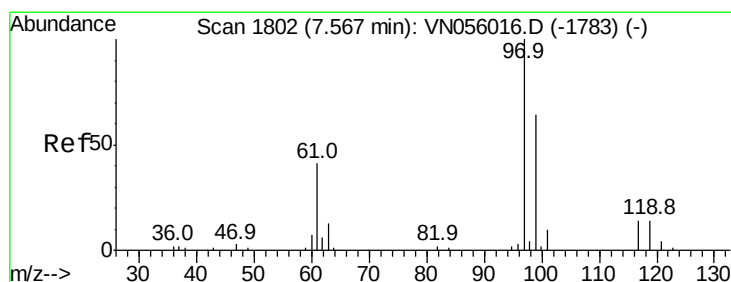
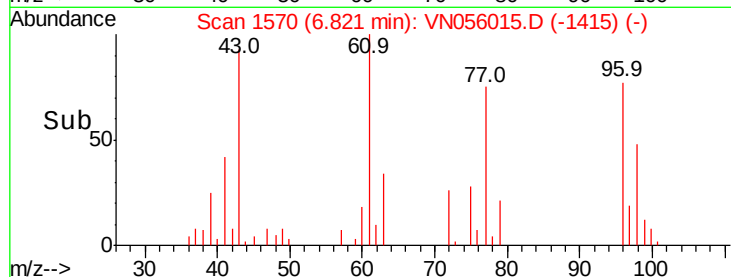
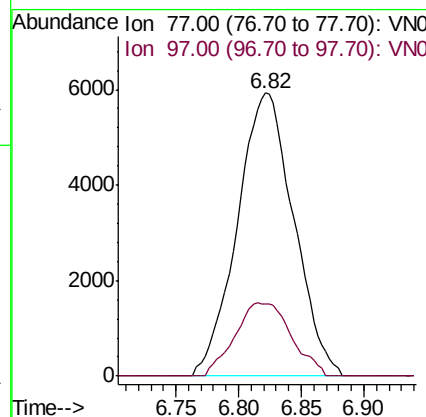
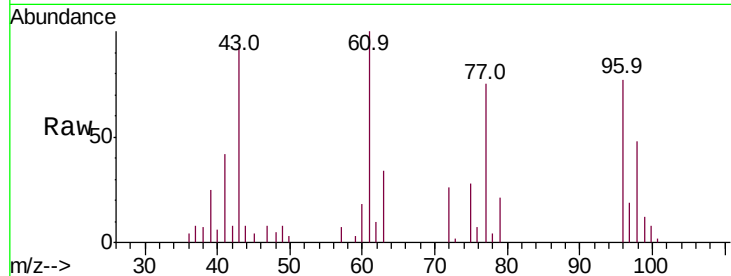
#31
 2,2-Dichloropropane
 Concen: 4.068 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 18538
 Ion Ratio Lower Upper
 77 100
 97 14.3 20.8 31.2#

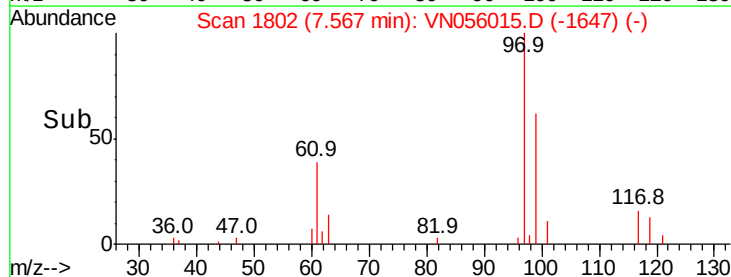
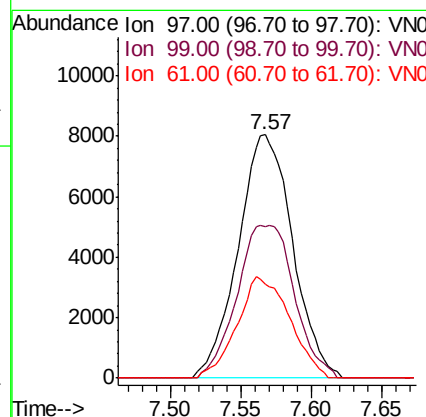
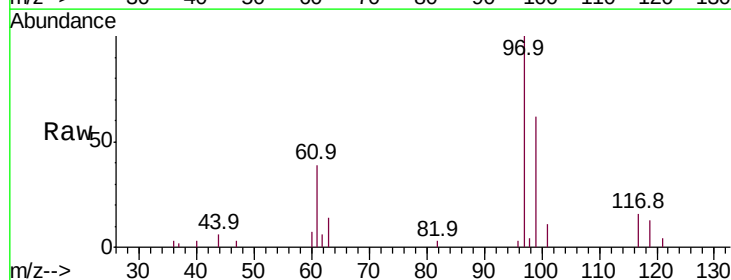
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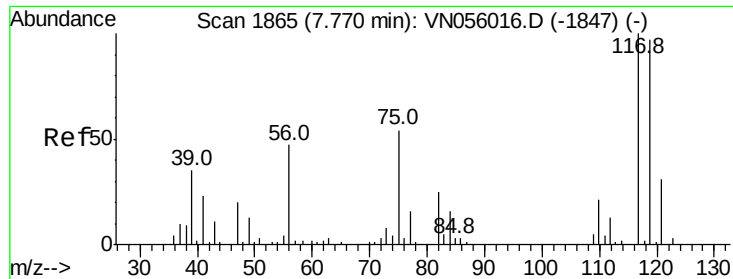
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#32
 1,1,1-Trichloroethane
 Concen: 4.532 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion: 97 Resp: 21700
 Ion Ratio Lower Upper
 97 100
 99 34.4 51.5 77.3#
 61 40.3 32.9 49.3





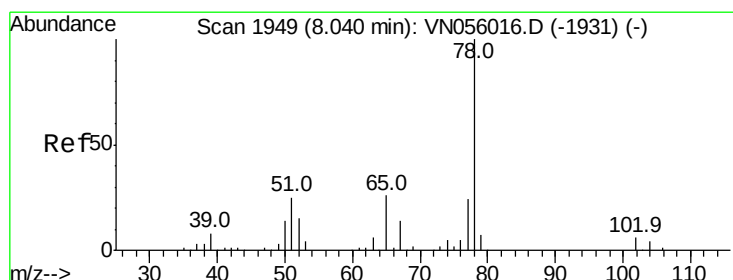
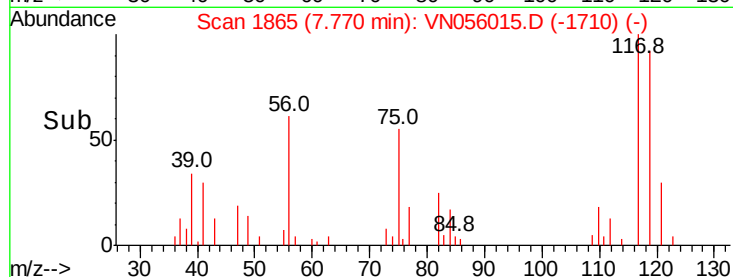
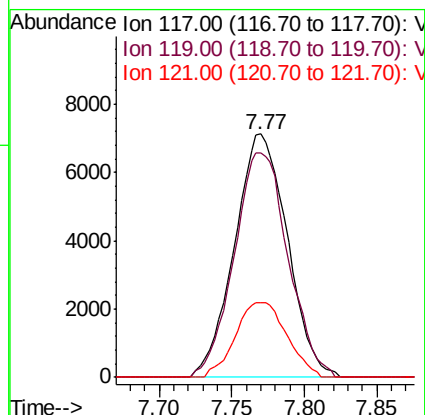
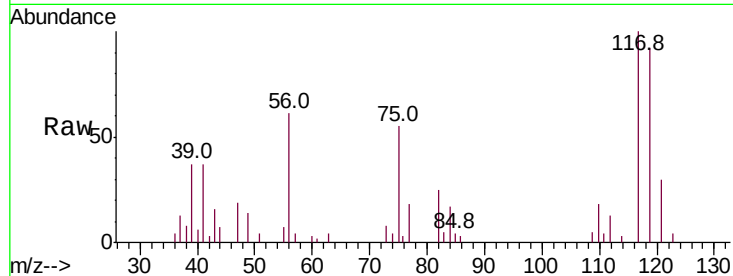
#33
Carbon Tetrachloride
Concen: 4.283 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.3	115.9
121	30.4	25.0	37.4

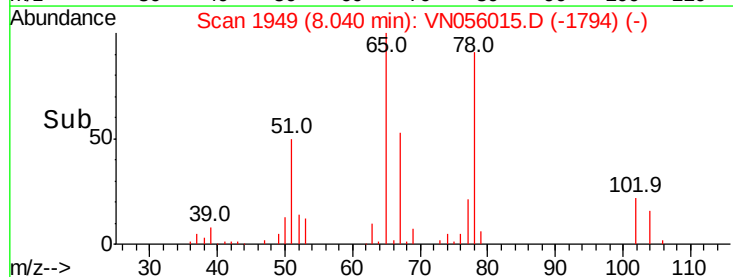
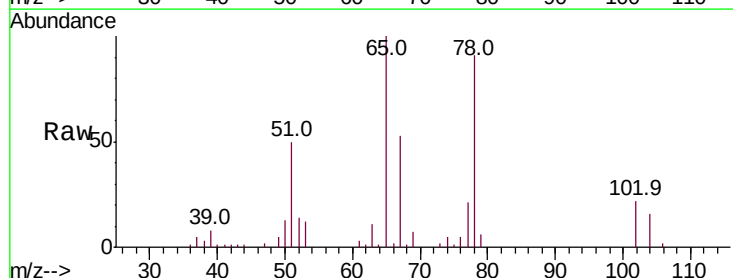
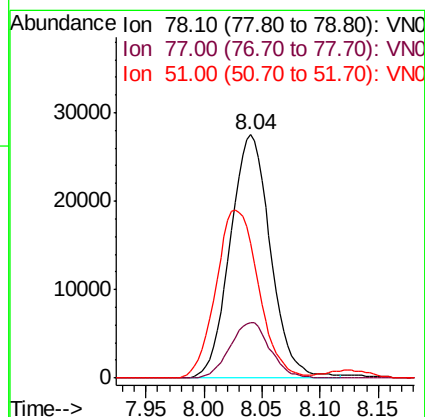
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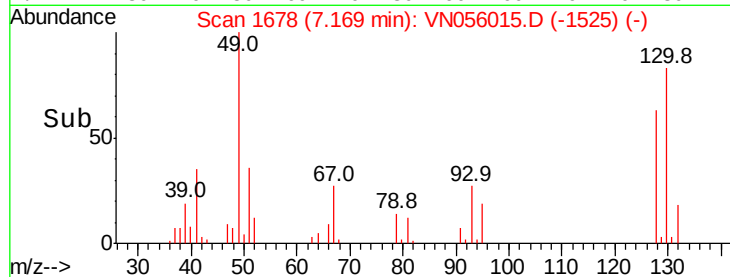
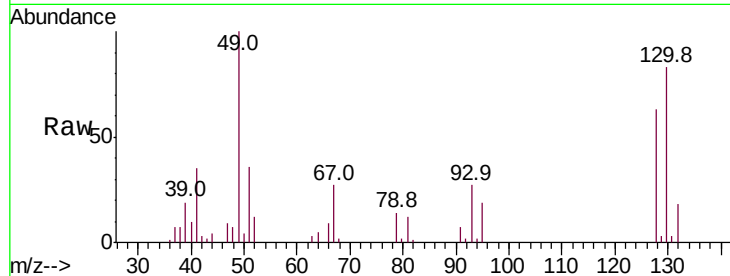
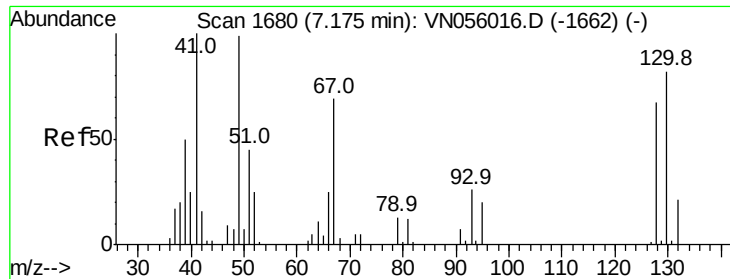
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#34
Benzene
Concen: 5.201 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9
51	52.6	19.8	29.8#





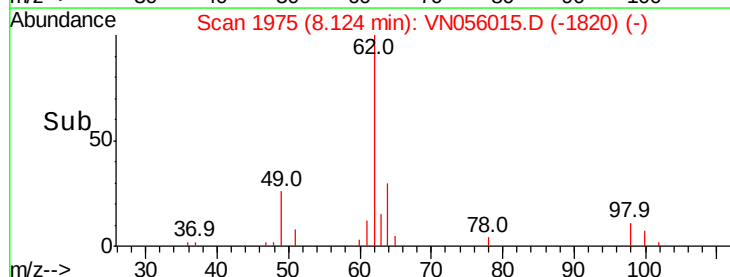
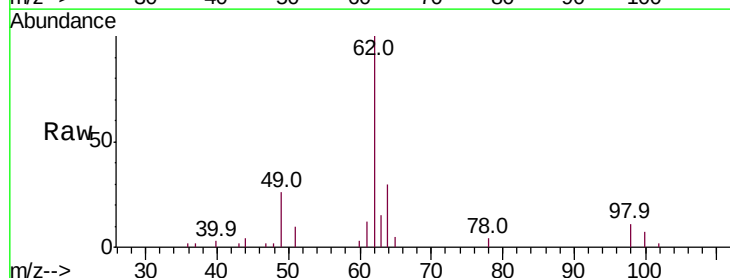
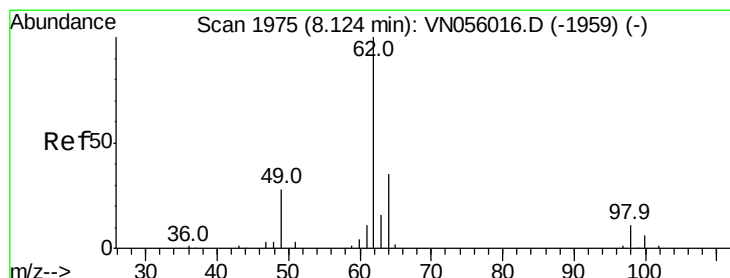
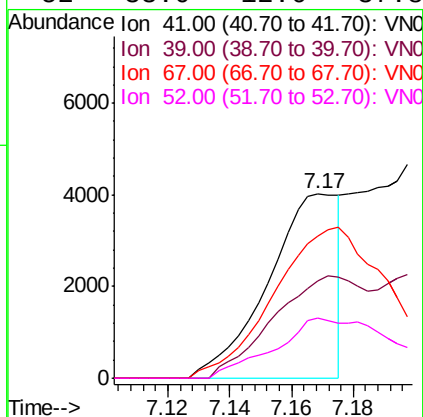
#35
Methacrylonitrile
Concen: 3.143 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.0	24.8	74.3
67	76.8	34.3	102.9
52	33.0	12.6	37.8

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

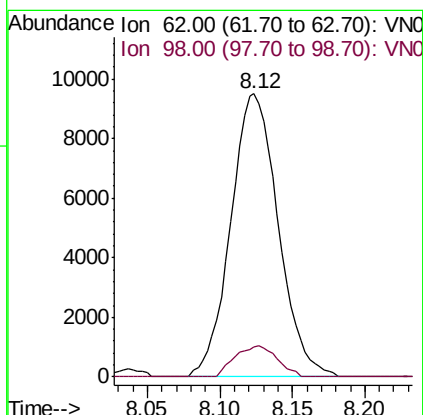
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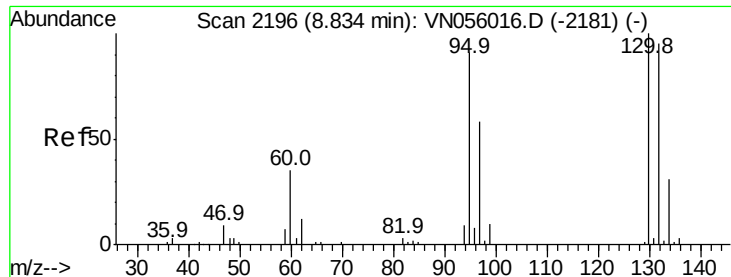
MMDadoda
6/6/2019 10:19:25 AM



#36
1,2-Dichloroethane
Concen: 5.251 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.6	13.0





#37

Trichloroethene

Concen: 5.094 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:130 Resp: 18164

Ion Ratio Lower Upper

130 100

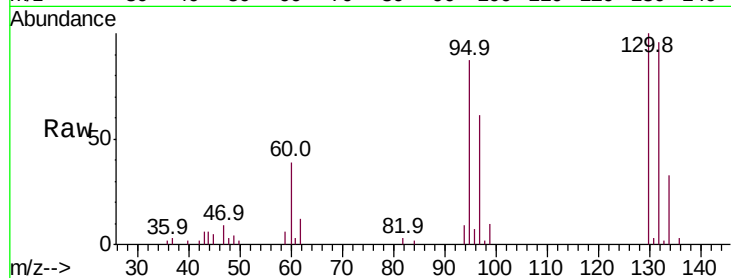
95 87.0 73.0 109.6

Manual Integrations

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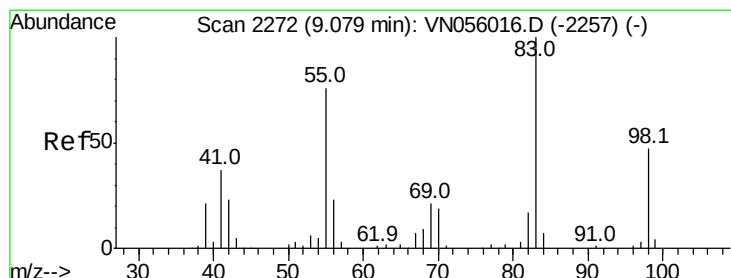
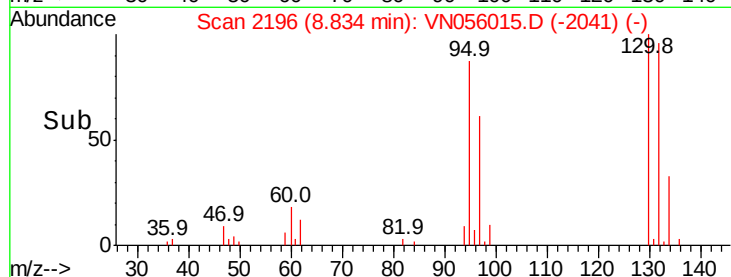
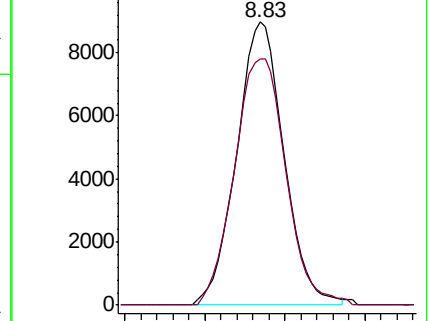
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 5.129 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

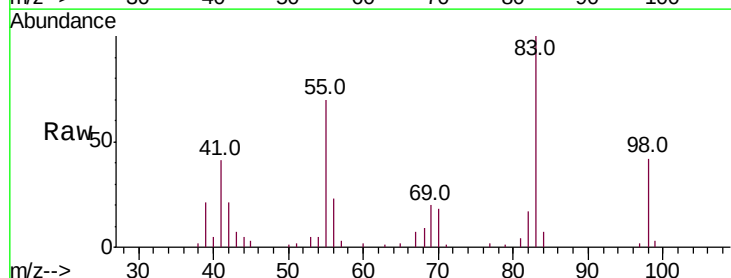
Tgt Ion: 83 Resp: 26617

Ion Ratio Lower Upper

83 100

55 70.1 37.5 112.7

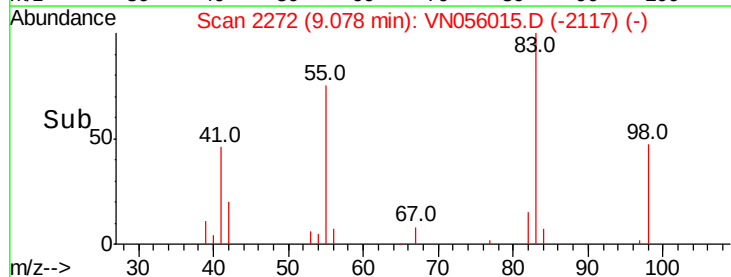
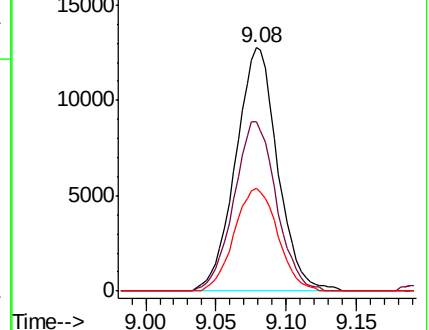
98 43.6 23.1 69.3

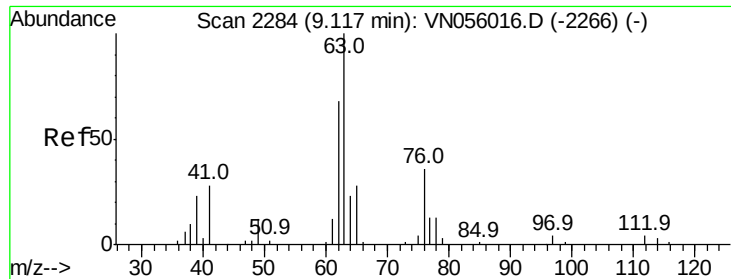


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





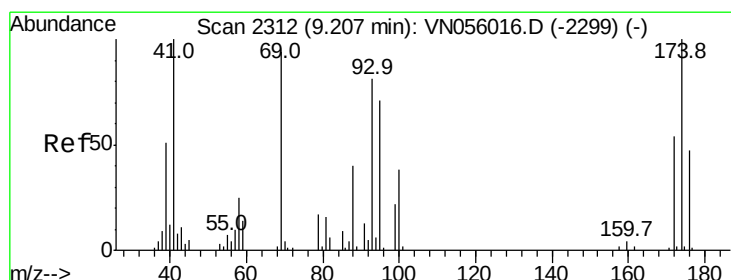
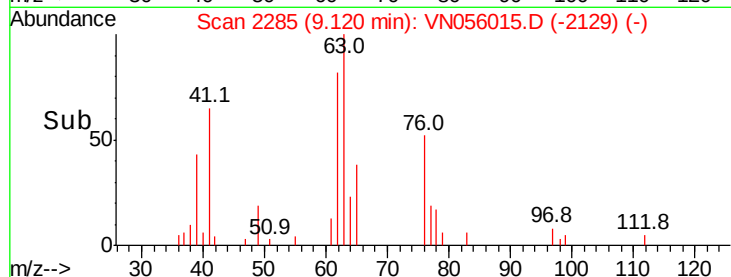
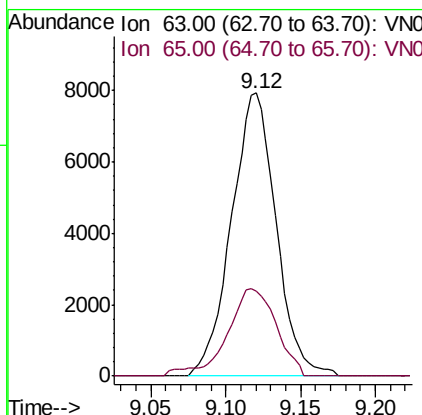
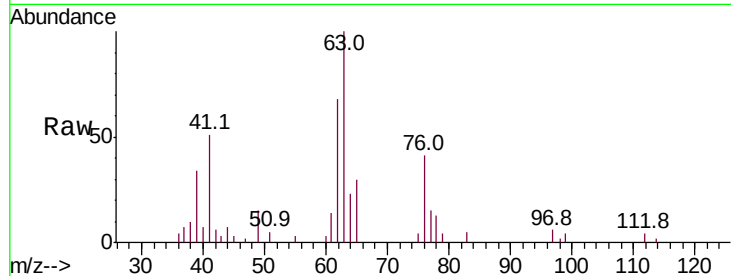
#39
 1,2-Dichloropropane
 Concen: 4.860 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 16507
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.1 34.7

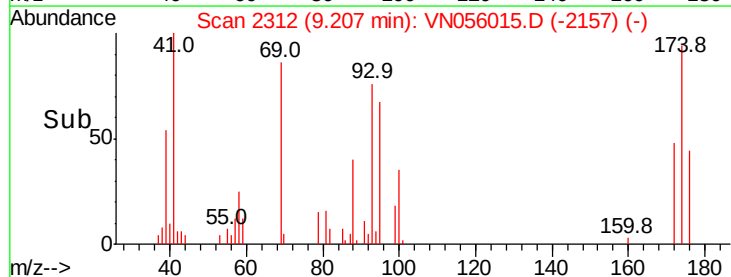
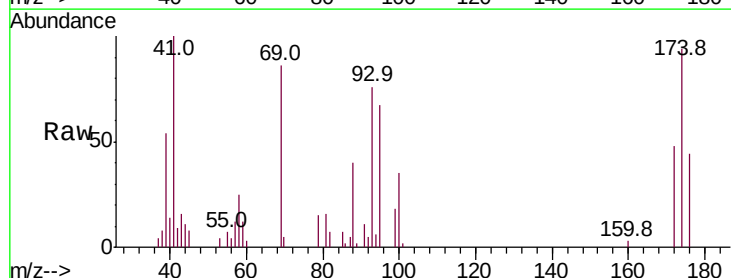
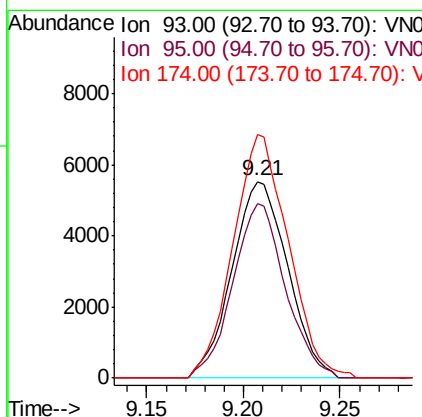
Manual Integrations
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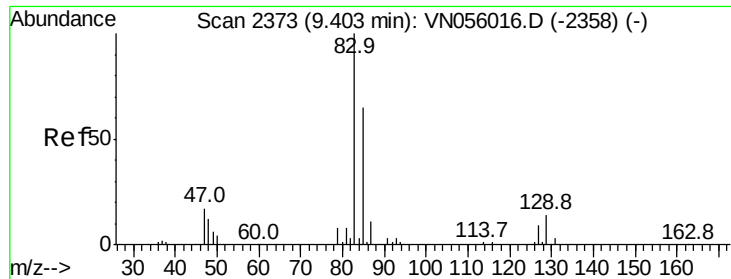
MMDadoda
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#40
 Dibromomethane
 Concen: 5.022 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion: 93 Resp: 11082
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 169.0
 174 122.6 0.0 246.4





#41

Bromodichloromethane

Concen: 4.148 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

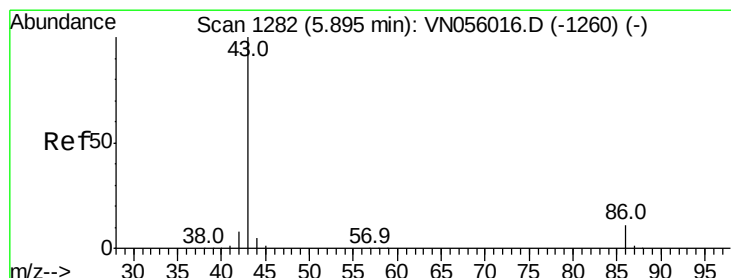
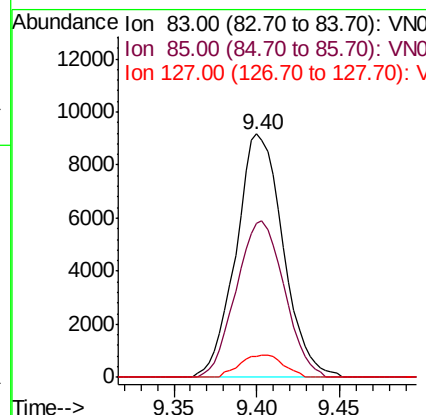
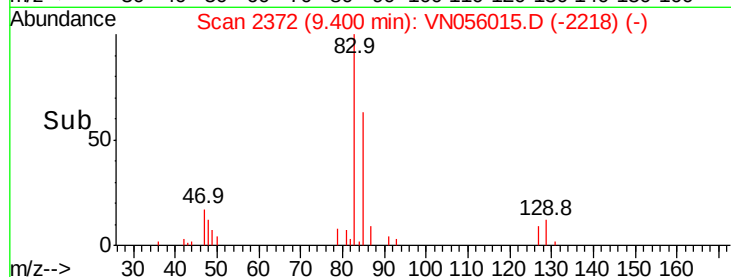
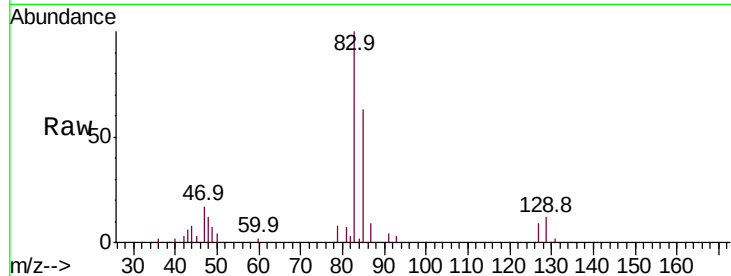
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18154
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6
127	8.8	7.3	10.9

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#42

Vinyl Acetate

Concen: 21.454 ug/l

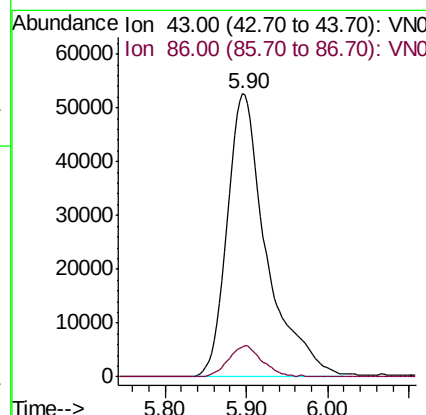
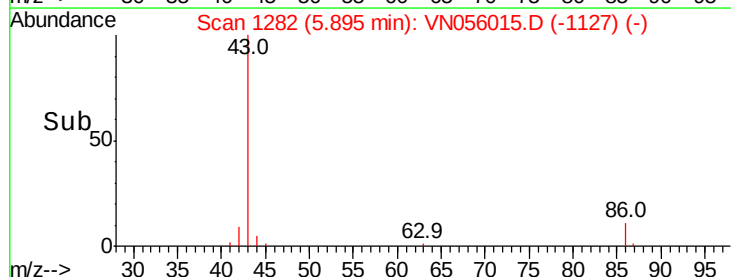
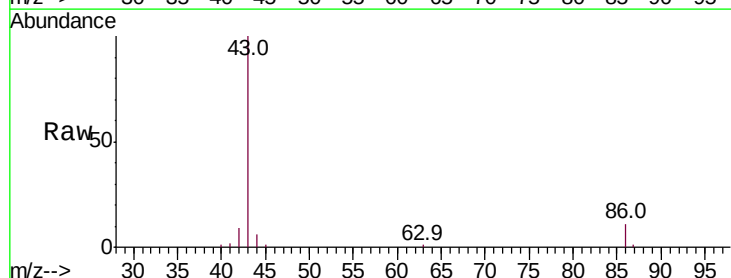
RT: 5.90 min Scan# 1282

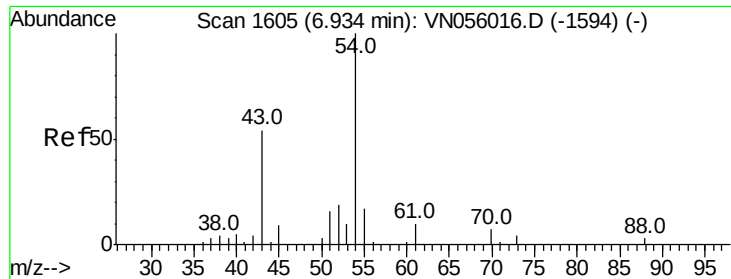
Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion:	43	Resp:	178105
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.9	11.9





#43

Ethyl Acetate

Concen: 4.984 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 21169

Ion Ratio Lower Upper

43 100

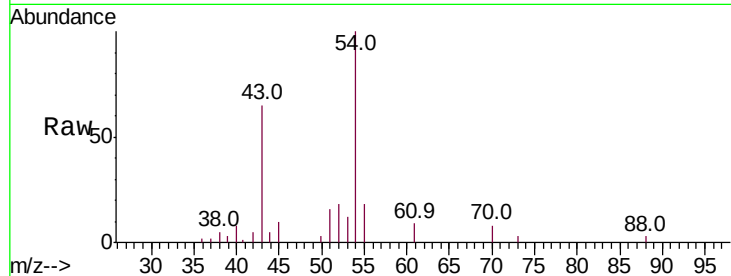
45 5.1 12.3 18.5#

Manual Integrations

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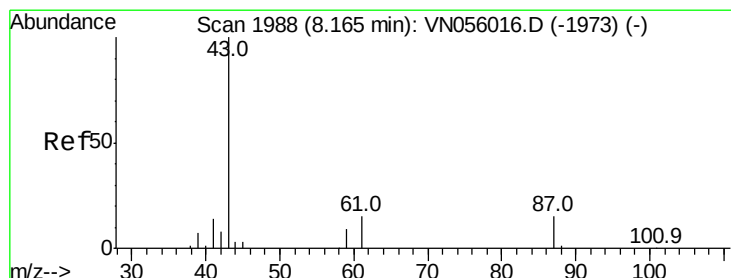
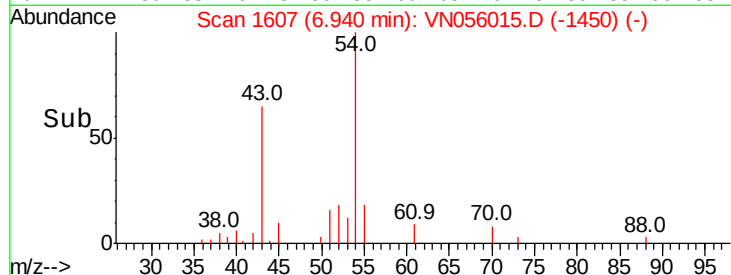
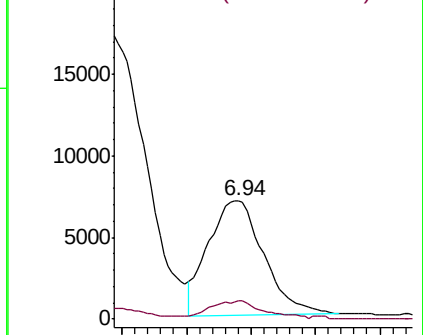
MMDadoda

6/6/2019 10:19:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 4.390 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056015.D

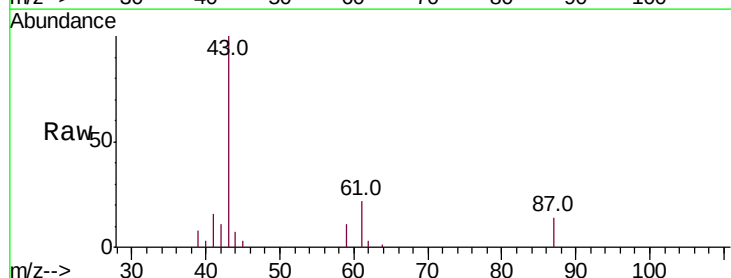
Acq: 5 Jun 2019 18:53

Tgt Ion: 43 Resp: 30474

Ion Ratio Lower Upper

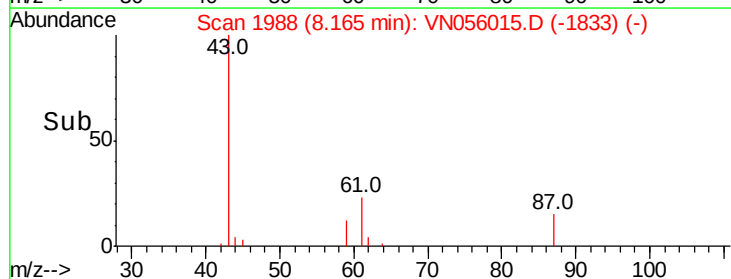
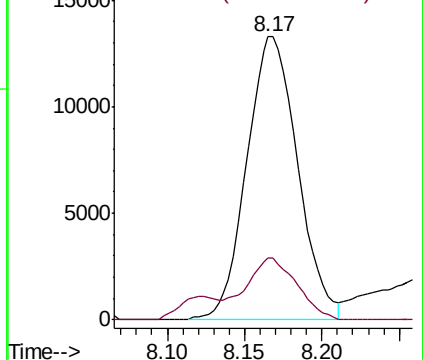
43 100

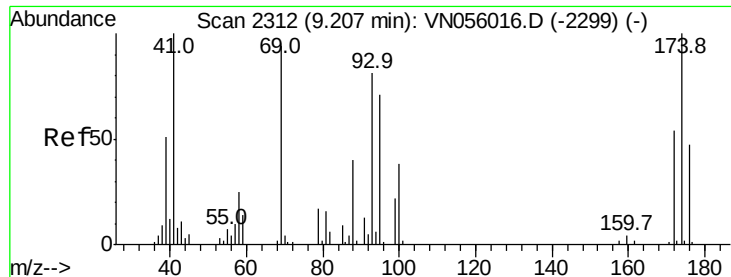
61 19.7 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





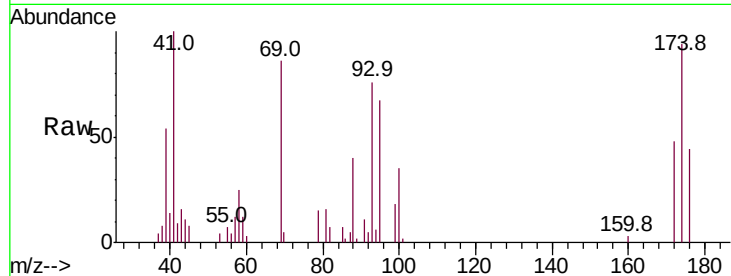
#45
1,4-Dioxane
Concen: 97.231 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	19.8	29.6#
58	65.2	48.5	72.7

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6/6/2019 10:19:25 AM

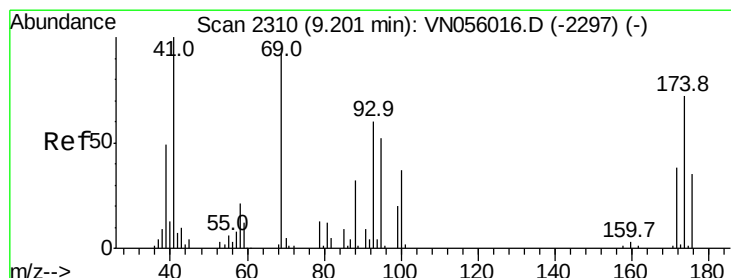
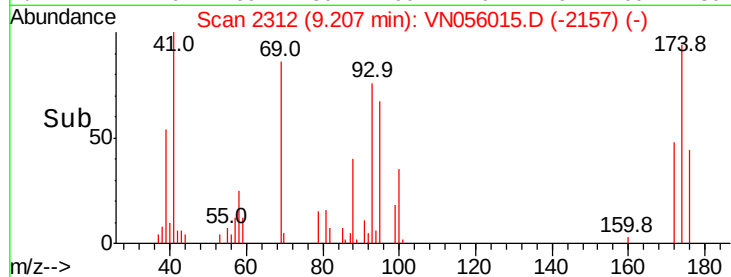
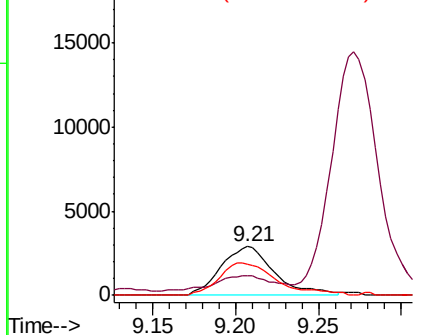


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 4.970 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

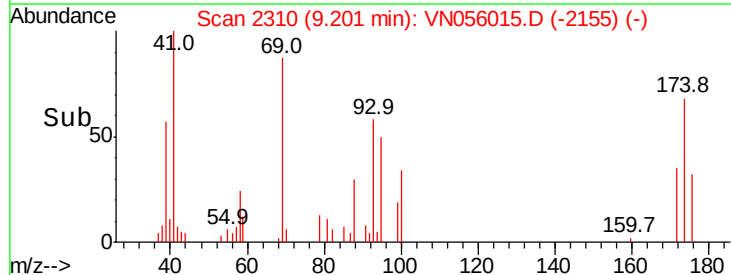
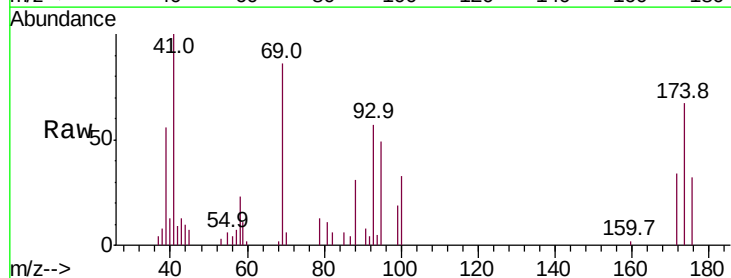
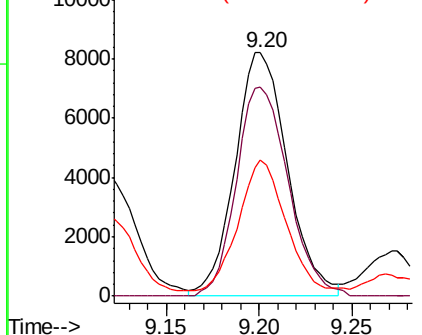
Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.6	46.0	137.8
39	54.9	24.6	73.8

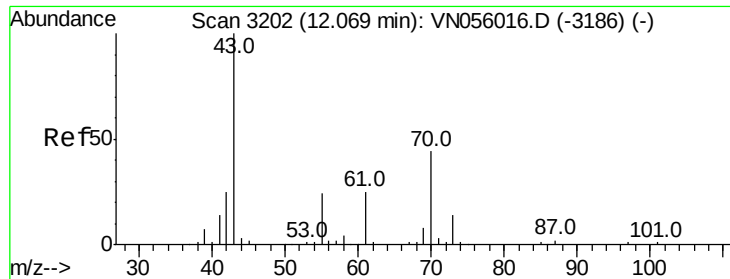
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 4.107 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 23503

Ion Ratio Lower Upper

43 100

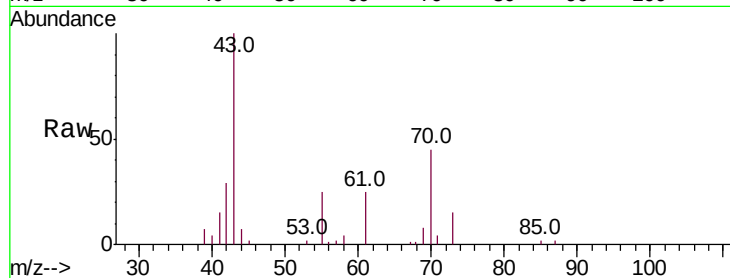
55 24.3 19.0 28.6

Manual Integrations

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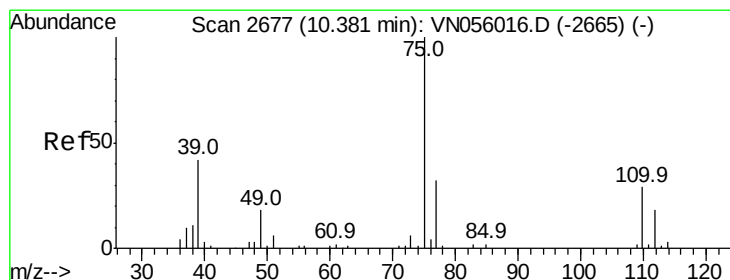
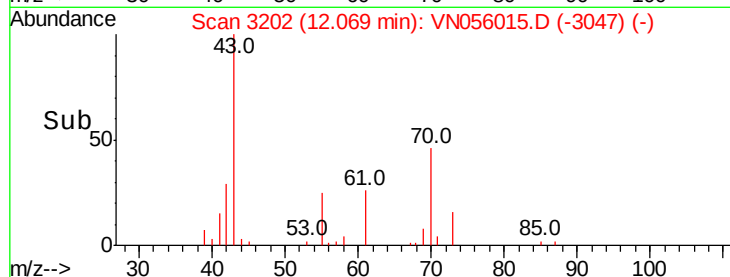
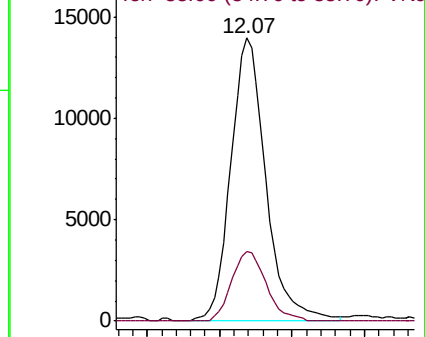
MMDadoda

6/6/2019 10:19:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 3.574 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056015.D

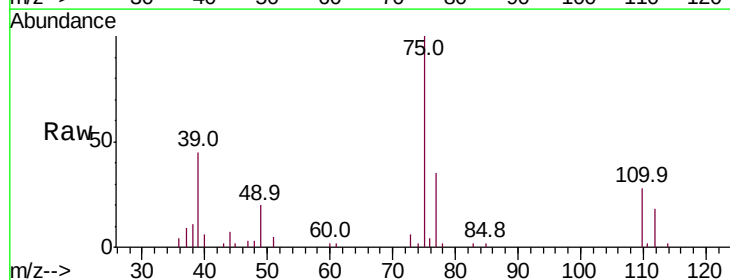
Acq: 5 Jun 2019 18:53

Tgt Ion: 75 Resp: 17075

Ion Ratio Lower Upper

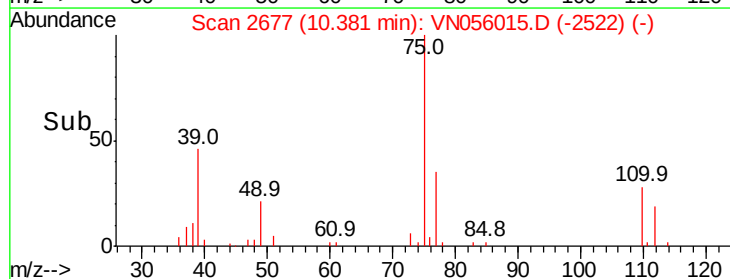
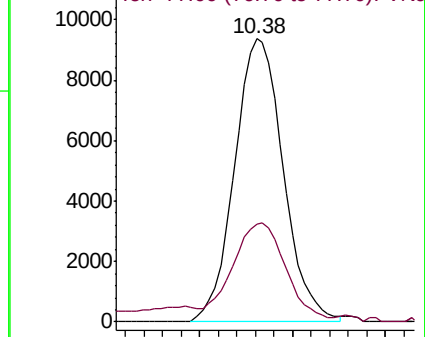
75 100

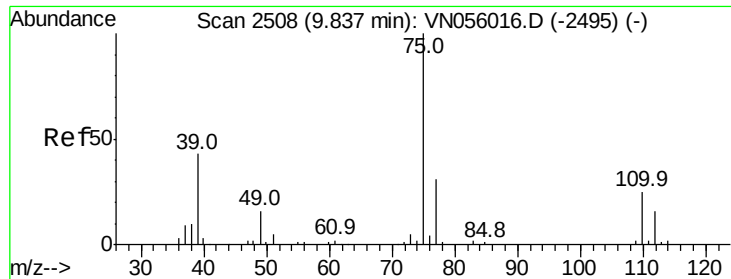
77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





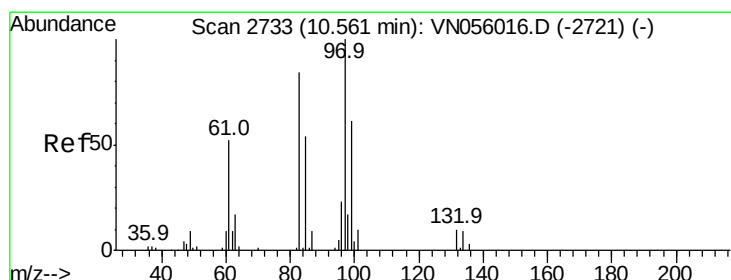
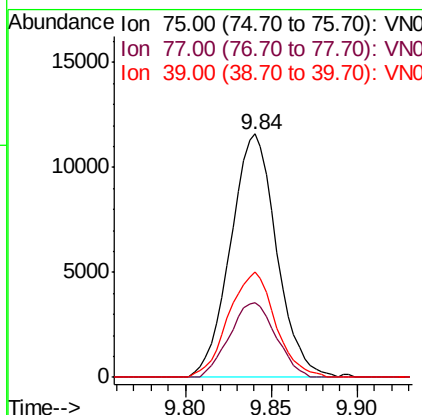
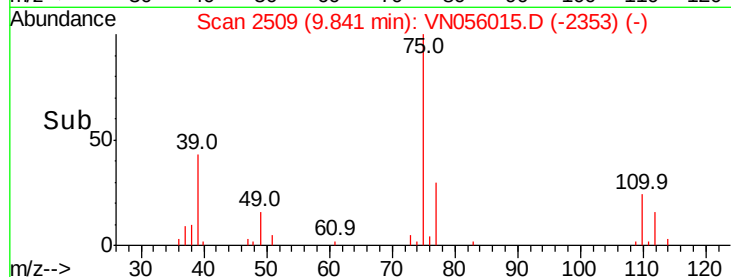
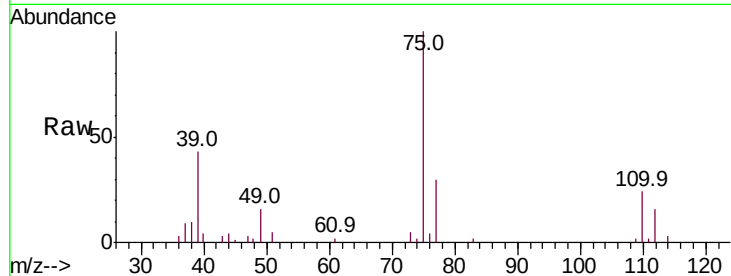
#49
 cis-1,3-Dichloropropene
 Concen: 4.061 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.1	37.7
39	43.1	34.3	51.5

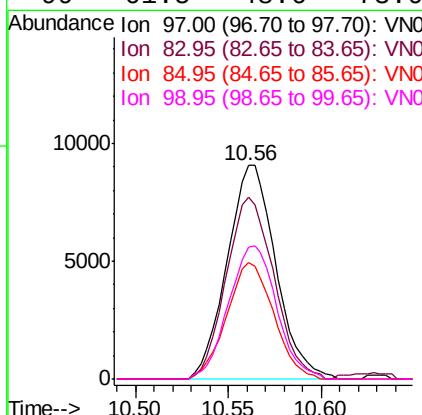
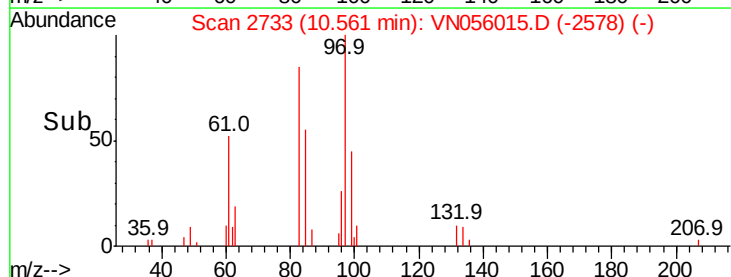
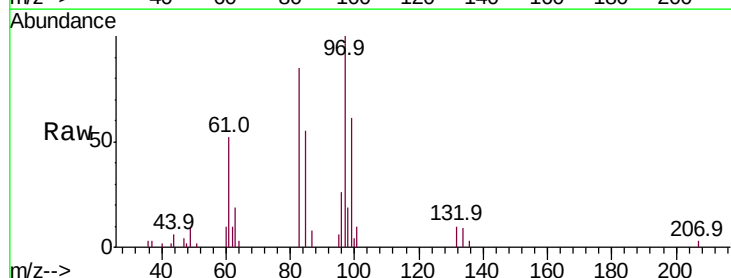
Manual Integrations
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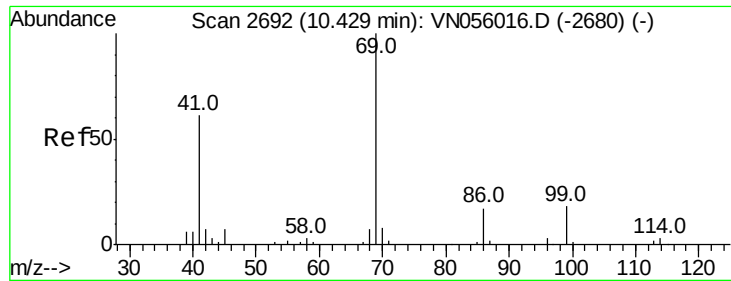
MMDadoda
 6/6/2019 10:19:25 AM



#50
 1,1,2-Trichloroethane
 Concen: 5.151 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.9	100.3
85	54.8	43.3	64.9
99	61.5	48.6	73.0





#51

Ethyl methacrylate

Concen: 4.665 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

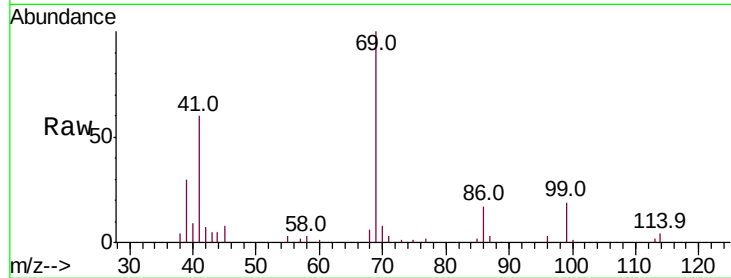
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	23737
Ion Ratio	Lower	Upper	
69	100		
41	60.2	30.8	92.3
39	30.5	14.5	43.6

Manual Integrations
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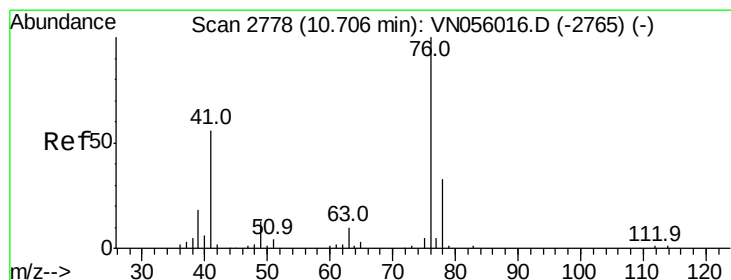
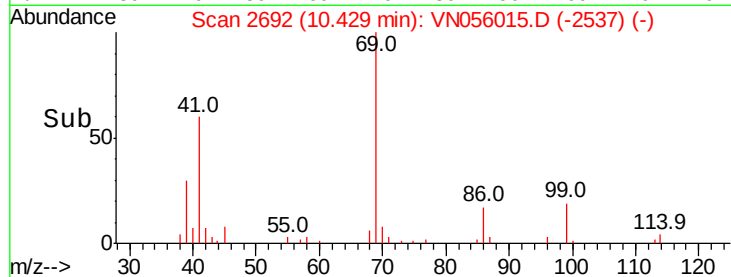


Abundance Ion 69.00 (68.70 to 69.70): VN056015.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN056015.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN056015.D (-2680) (-)

Time-->



#52

1,3-Dichloropropane

Concen: 4.980 ug/l

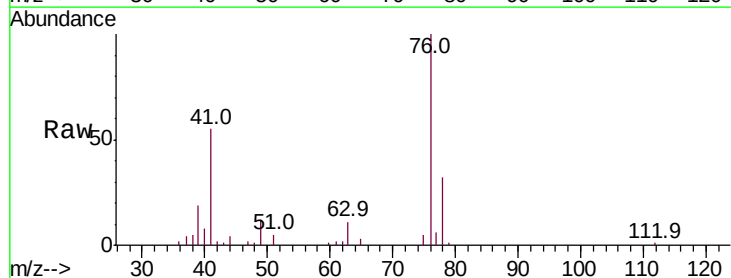
RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

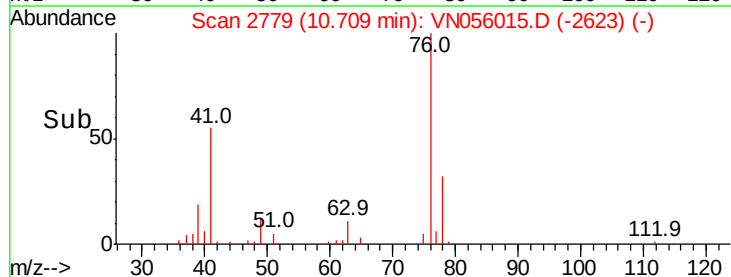
Tgt Ion:	76	Resp:	26288
Ion Ratio	Lower	Upper	
76	100		
78	33.1	0.0	63.4

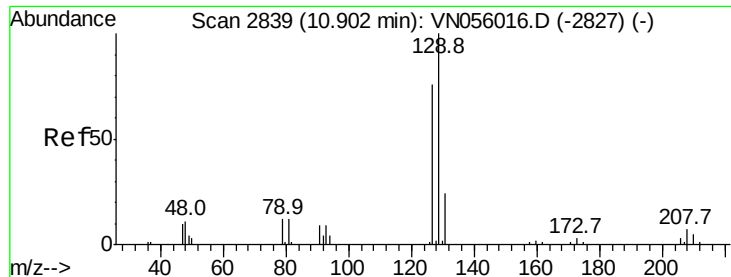


Abundance Ion 76.00 (75.70 to 76.70): VN056015.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN056015.D (-2623) (-)

Time-->





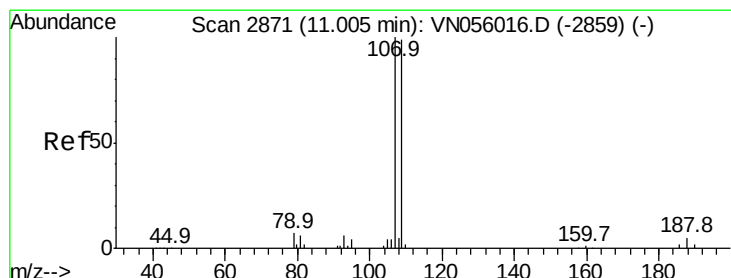
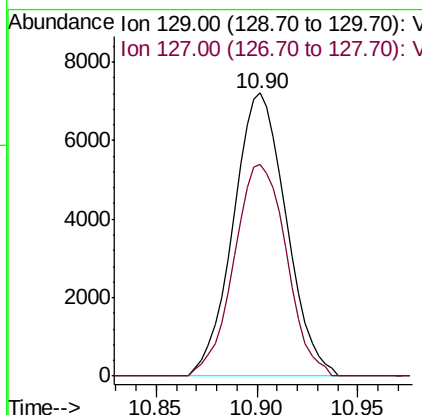
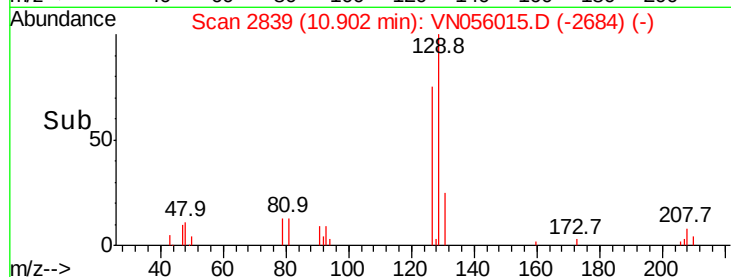
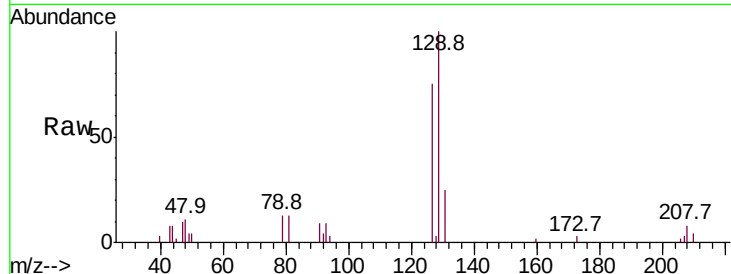
#53
Dibromochloromethane
Concen: 3.642 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:129 Resp: 13232
Ion Ratio Lower Upper
129 100
127 74.3 39.1 117.5

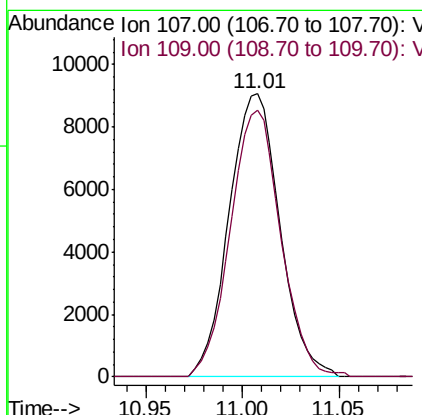
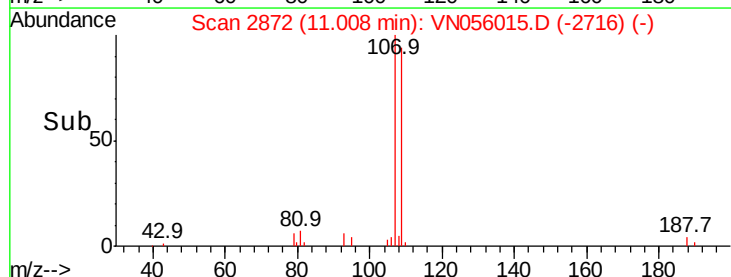
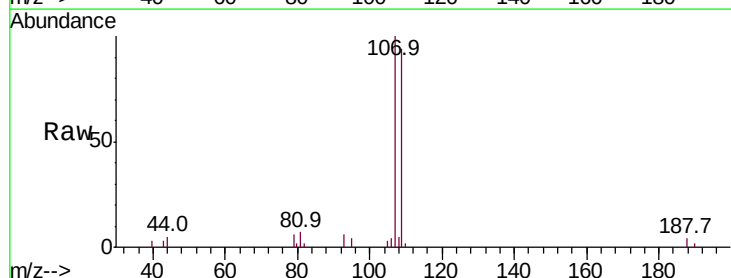
Manual Integrations
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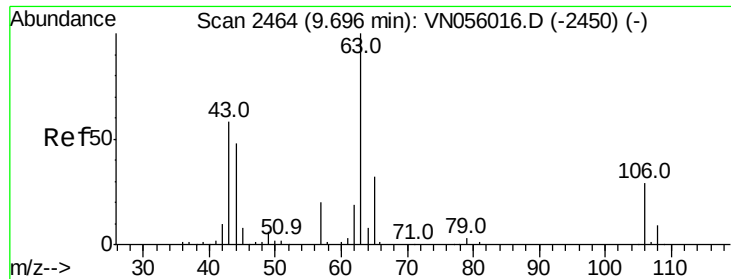
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6/6/2019 10:19:25 AM



#54
1,2-Dibromoethane
Concen: 4.987 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion:107 Resp: 16578
Ion Ratio Lower Upper
107 100
109 92.9 76.8 115.2





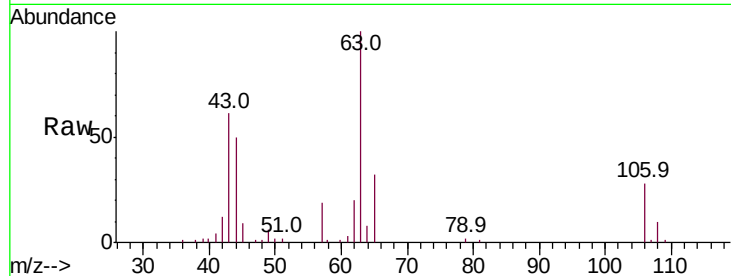
#55
2-Chloroethyl vinyl ether
Concen: 19.035 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	29.6	23.0	34.4

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6/6/2019 10:19:25 AM

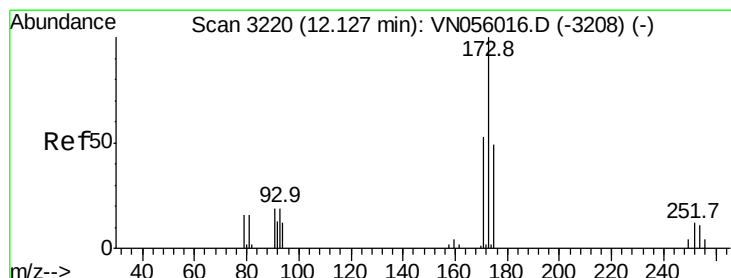
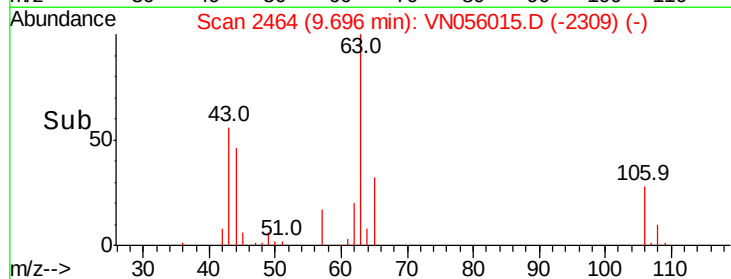
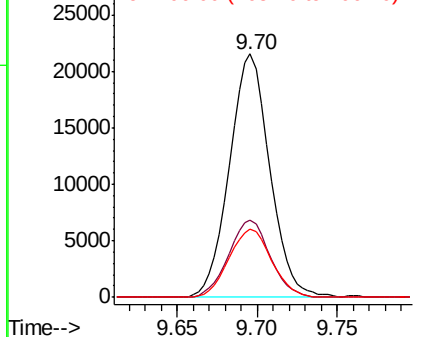


Abundance

Ion 63.00 (62.70 to 63.70): VN056015.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN056015.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN056015.D (-2309) (-)



#56
Bromoform
Concen: 3.007 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

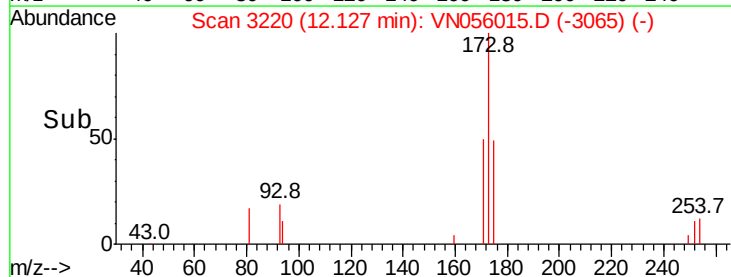
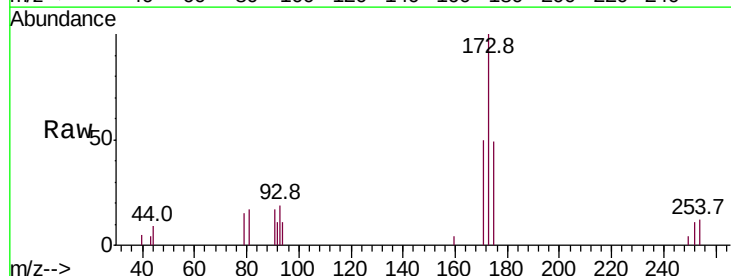
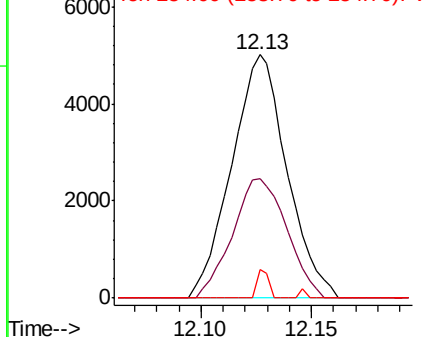
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.7	58.1
254	2.5	6.6	9.8#

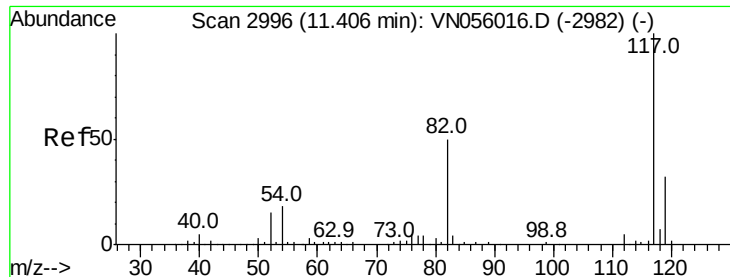
Abundance

Ion 173.00 (172.70 to 173.70): VN056015.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN056015.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN056015.D (-3065) (-)





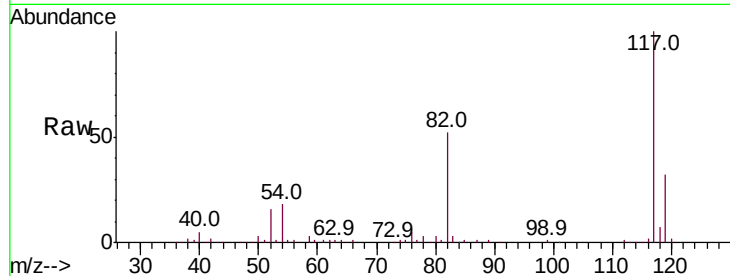
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

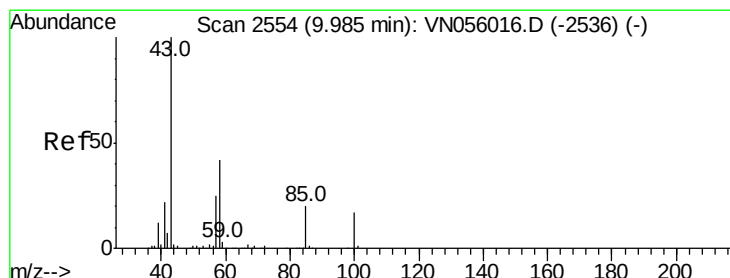
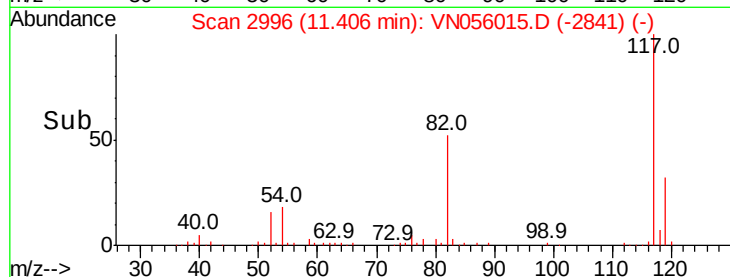
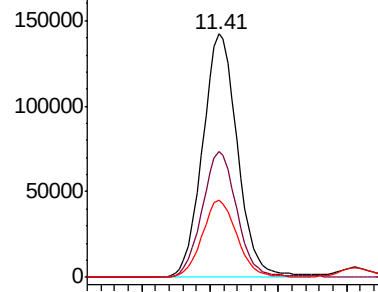
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.2	61.8
119	31.9	26.2	39.2

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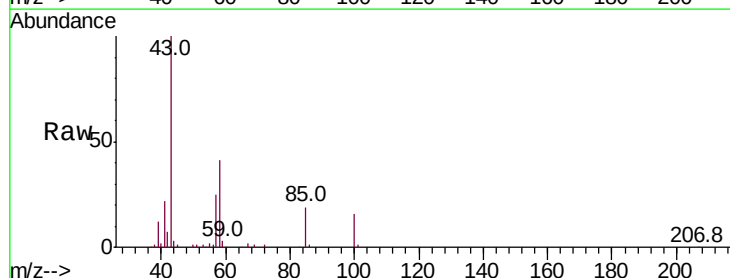


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

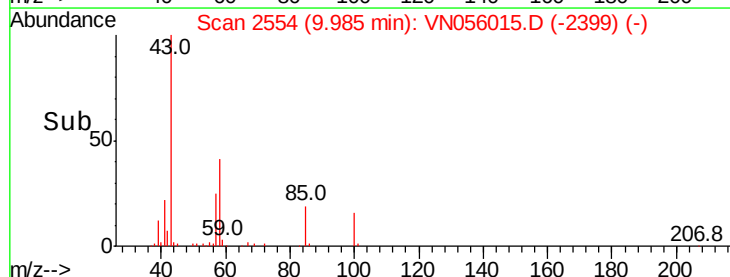
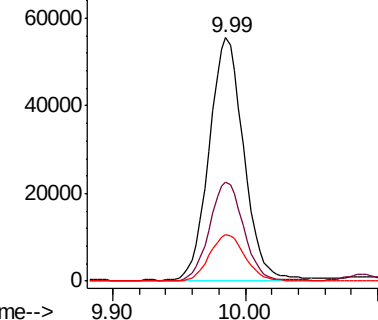


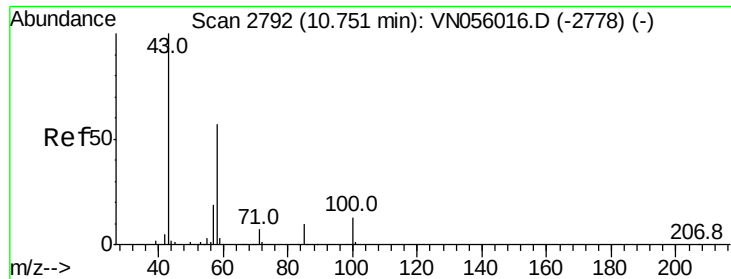
#58
4-Methyl-2-Pentanone
Concen: 24.455 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.1	49.7
85	19.8	15.5	23.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN





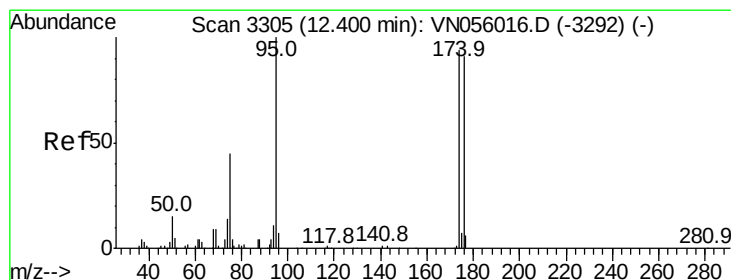
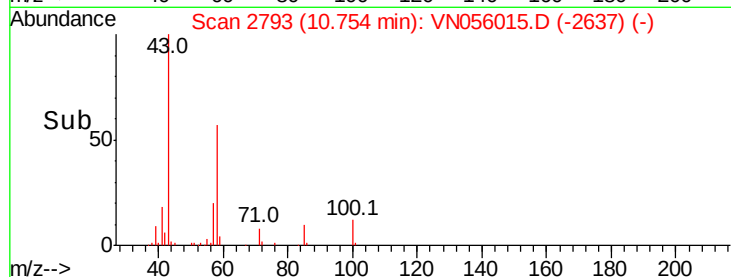
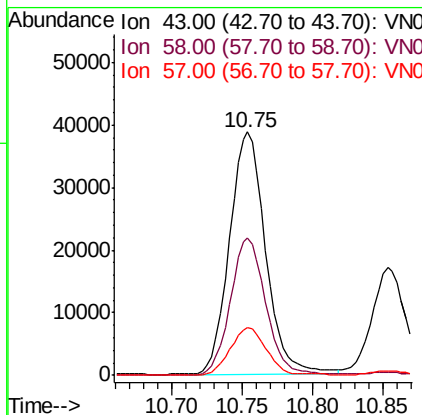
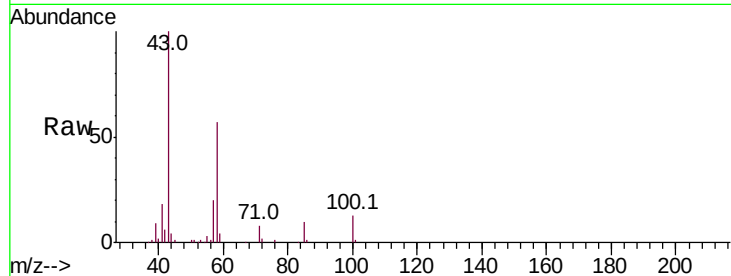
#59
2-Hexanone
Concen: 23.767 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	45.3	67.9
57	19.6	15.6	23.4

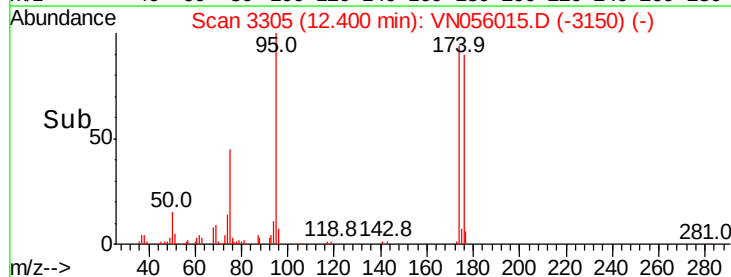
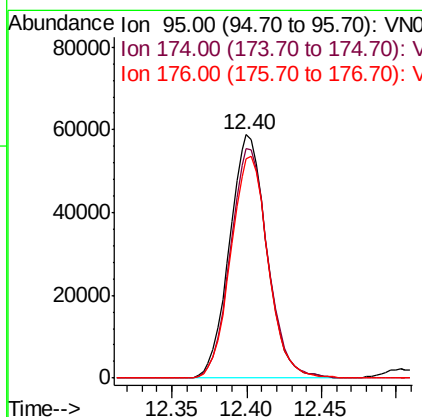
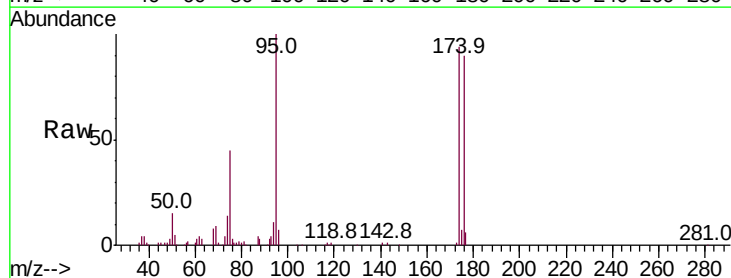
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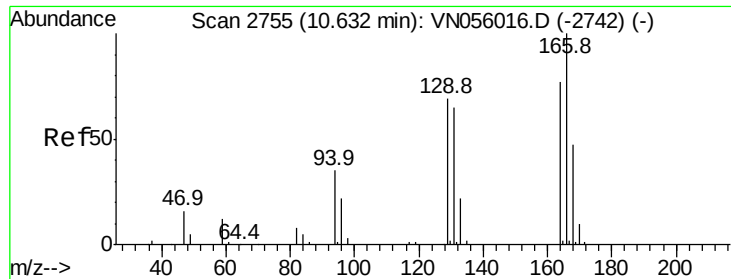
MMDadoda
6/6/2019 10:19:25 AM



#60
4-Bromofluorobenzene
Concen: 26.232 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	75.4	113.0
176	91.3	73.9	110.9





#61

Tetrachloroethene

Concen: 5.639 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:164 Resp: 19375

Ion Ratio Lower Upper

164 100

166 131.0 104.3 156.5

129 91.6 71.5 107.3

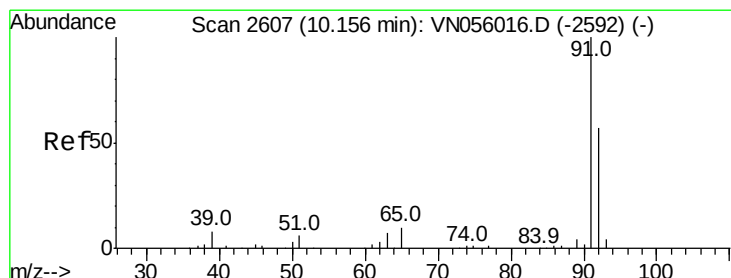
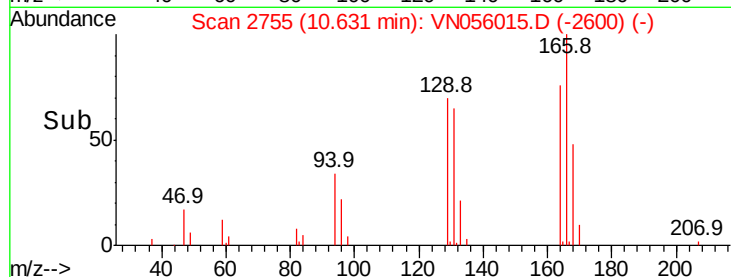
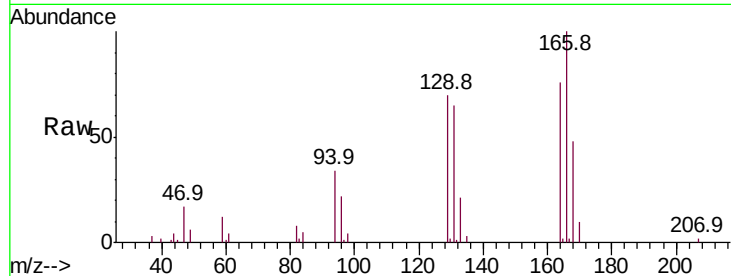
131 84.8 67.7 101.5

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6/6/2019 10:19:25 AM



#62

Toluene

Concen: 5.442 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056015.D

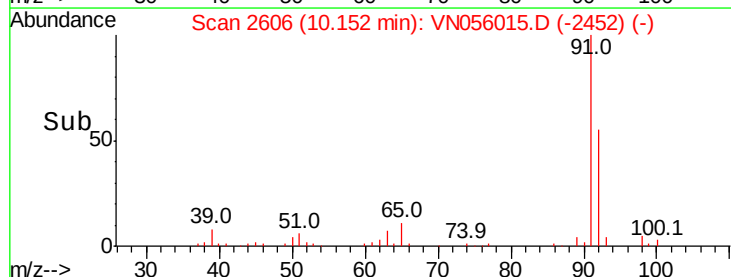
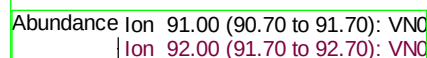
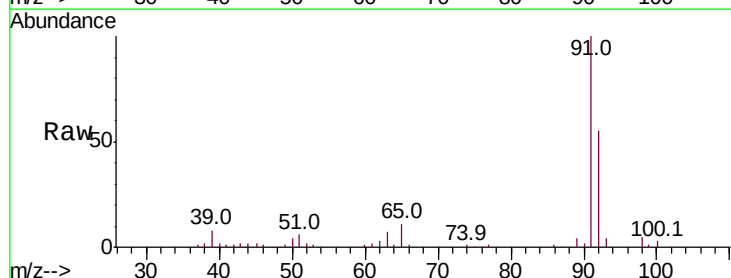
Acq: 5 Jun 2019 18:53

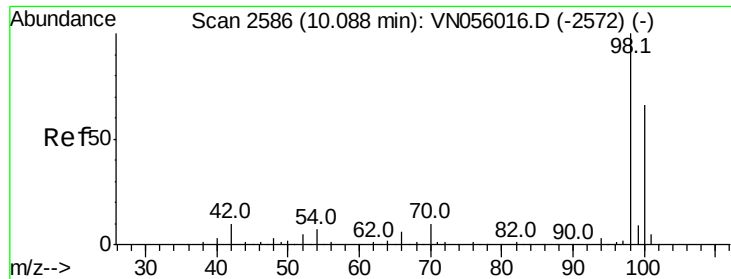
Tgt Ion: 91 Resp: 73845

Ion Ratio Lower Upper

91 100

92 57.0 45.5 68.3





#63

Toluene-d8

Concen: 30.705 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 98 Resp: 354980

Ion Ratio Lower Upper

98 100

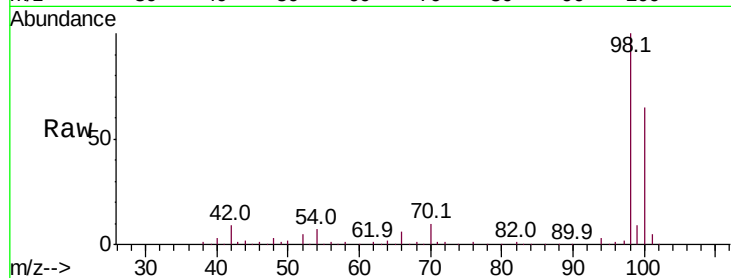
100 64.9 52.2 78.4

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

200000

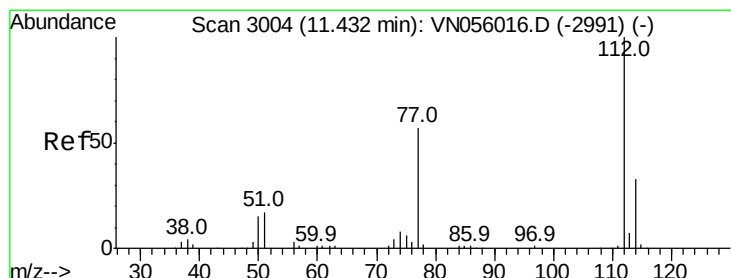
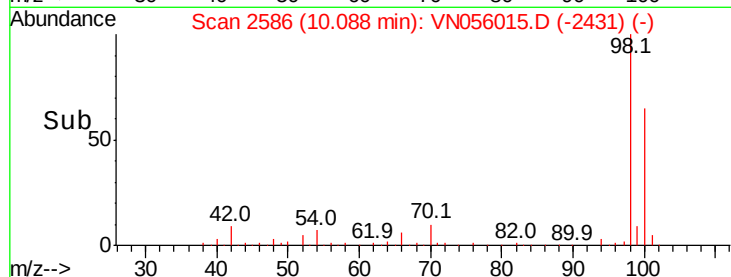
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 5.180 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056015.D

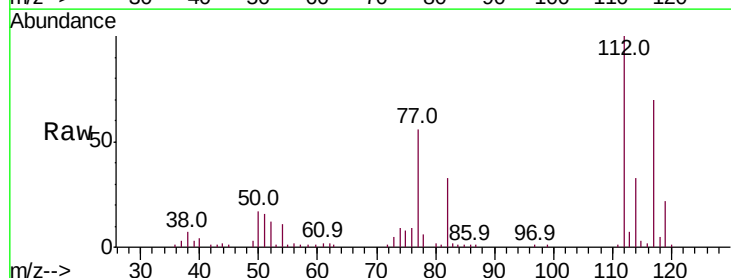
Acq: 5 Jun 2019 18:53

Tgt Ion: 112 Resp: 42602

Ion Ratio Lower Upper

112 100

114 32.7 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

25000

20000

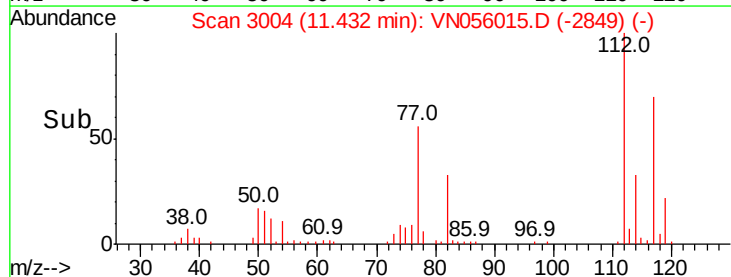
15000

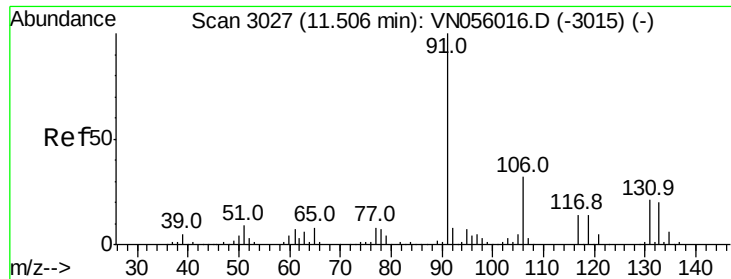
10000

5000

0

Time-->





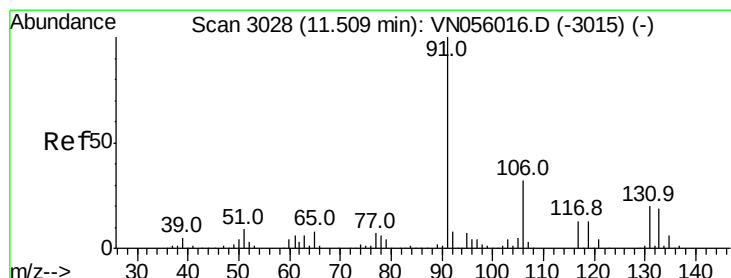
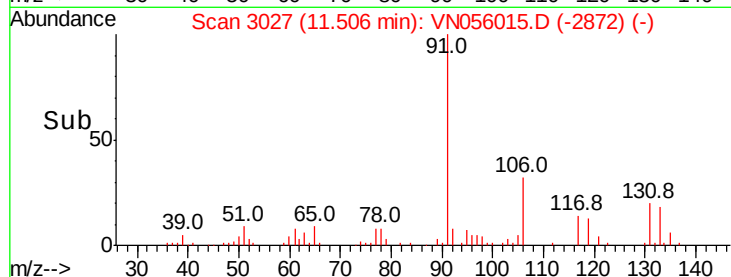
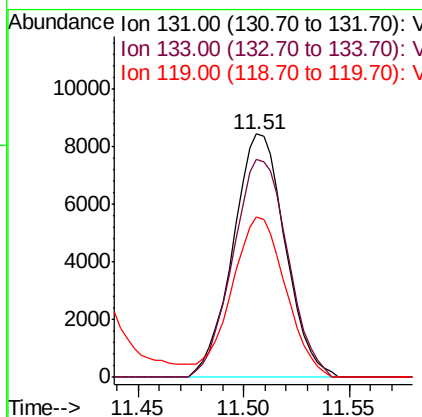
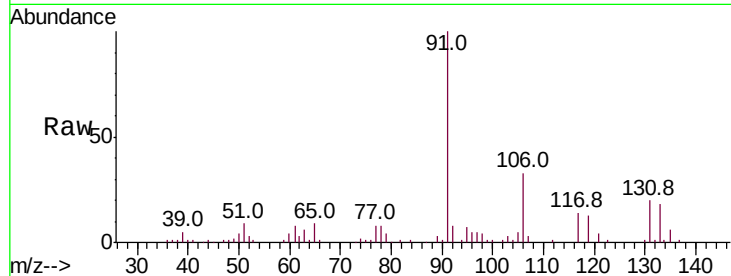
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.489 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.9	0.0	193.8
119	68.5	0.0	134.4

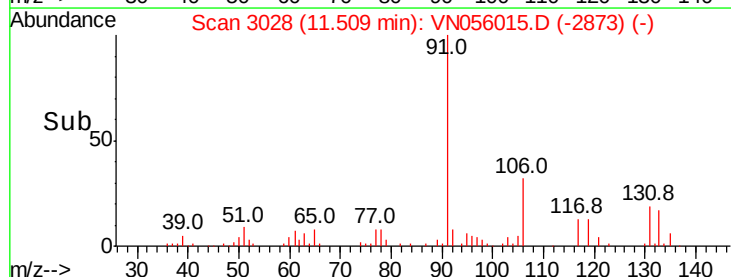
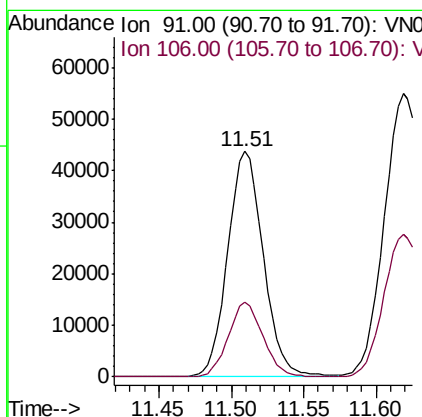
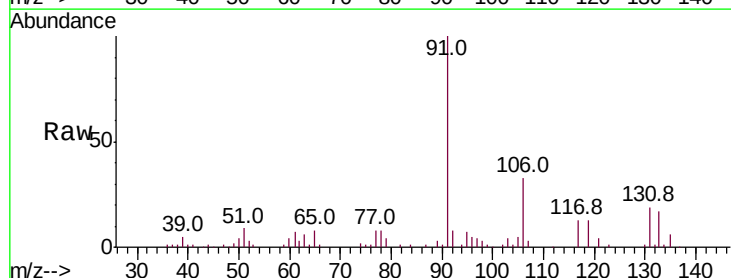
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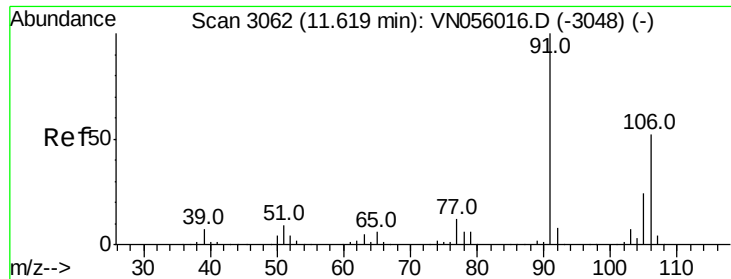
MMDadoda
 6/6/2019 10:19:25 AM



#66
 Ethyl Benzene
 Concen: 5.063 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.7	38.5





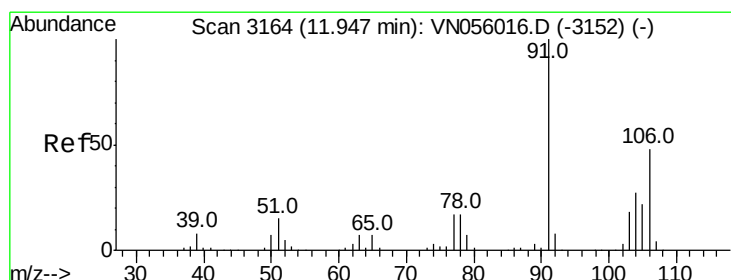
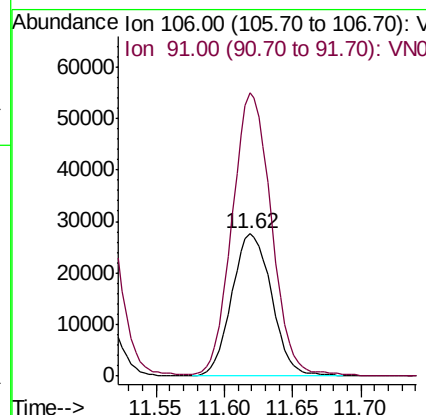
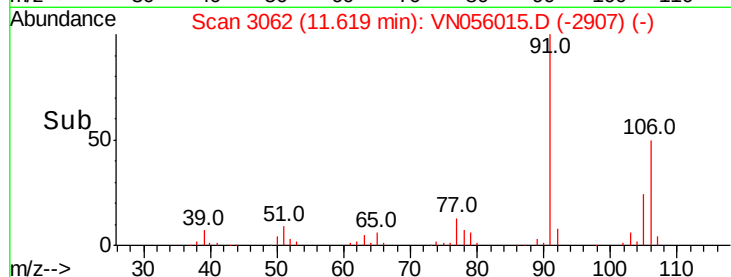
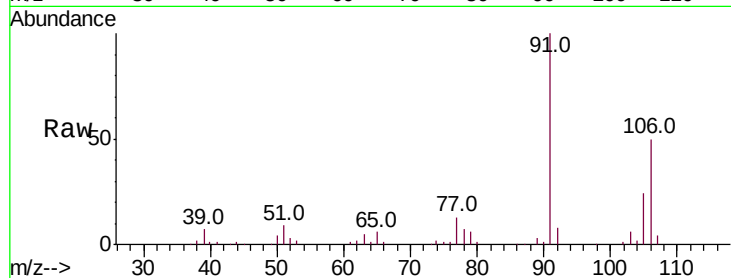
#67
m/p-Xylenes
Concen: 10.035 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 56275
Ion Ratio Lower Upper
106 100
91 196.0 155.7 233.5

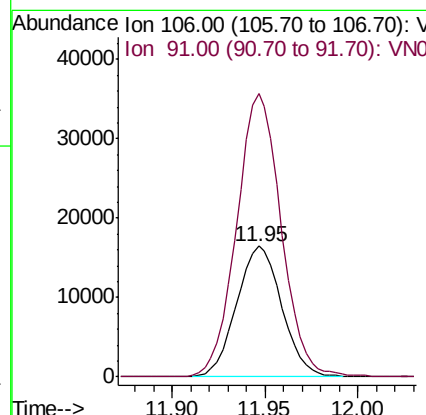
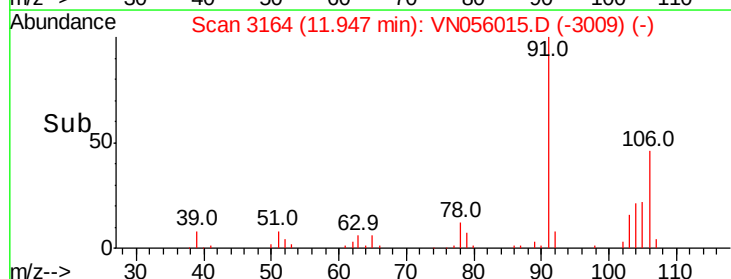
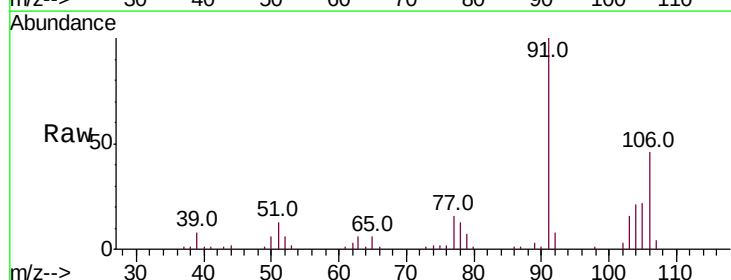
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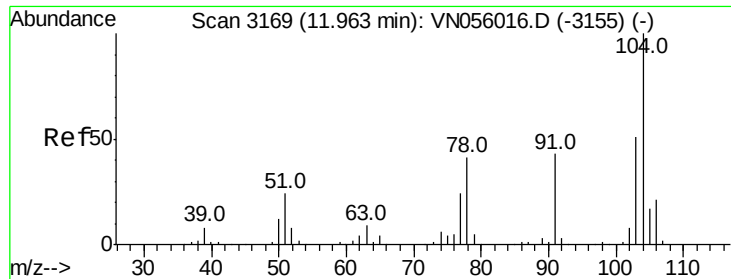
MMDadoda
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#68
o-Xylene
Concen: 5.029 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion:106 Resp: 27837
Ion Ratio Lower Upper
106 100
91 213.9 103.9 311.7





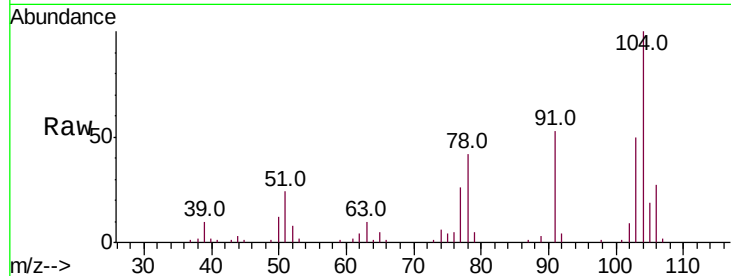
#69
Stvrene
Concen: 4.428 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.4	37.0	55.6
103	56.2	44.4	66.6

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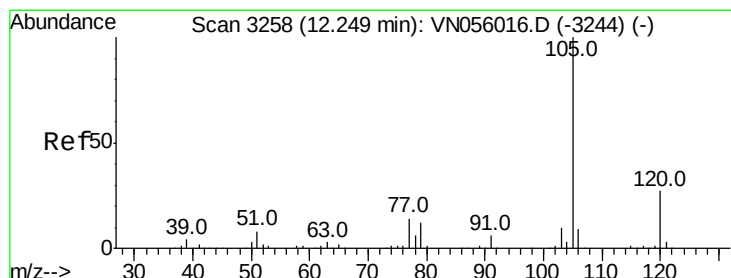
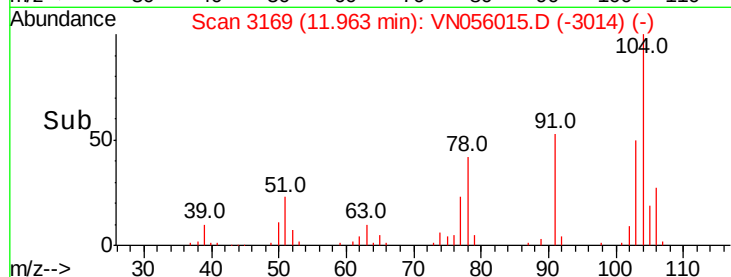
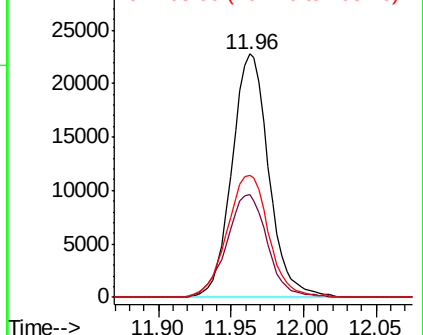


Abundance

Ion 104.00 (103.70 to 104.70): V

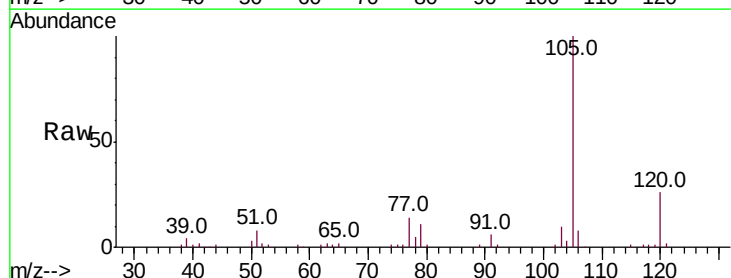
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 5.061 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

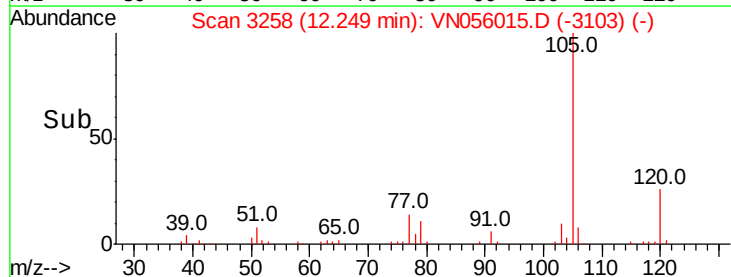
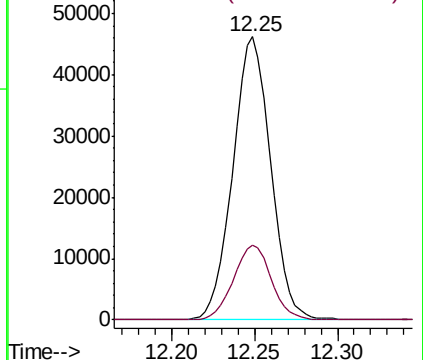
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	19.3	35.8

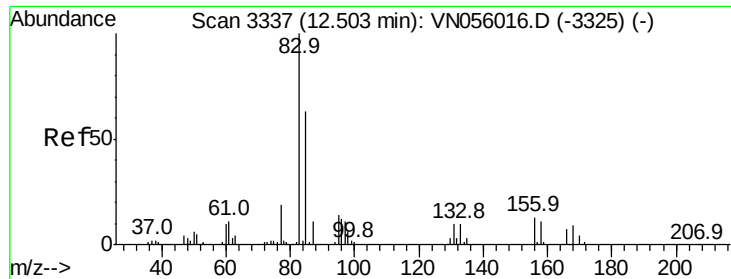


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





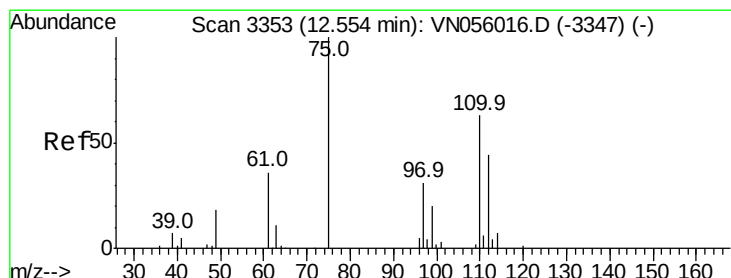
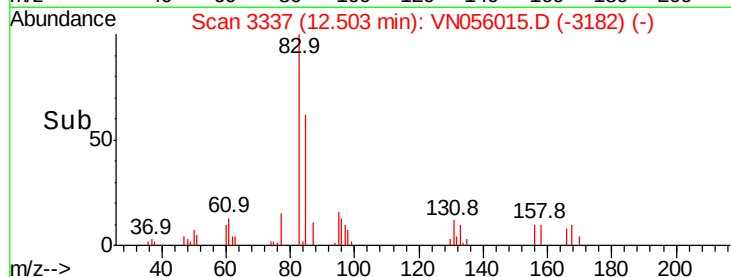
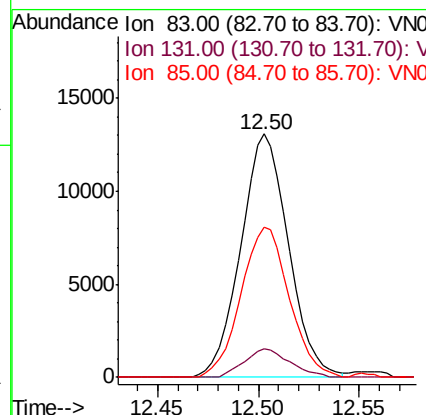
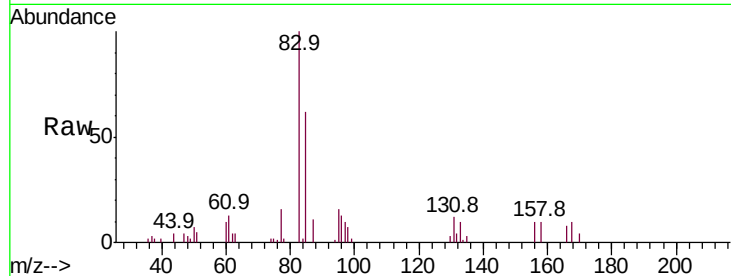
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.873 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	83	Resp	21629
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	62.6	31.6	94.7

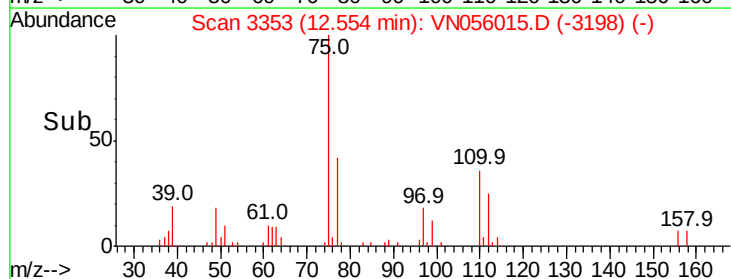
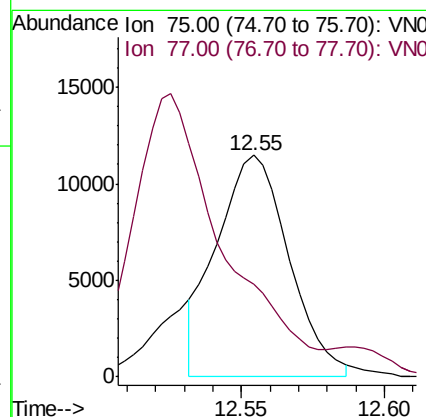
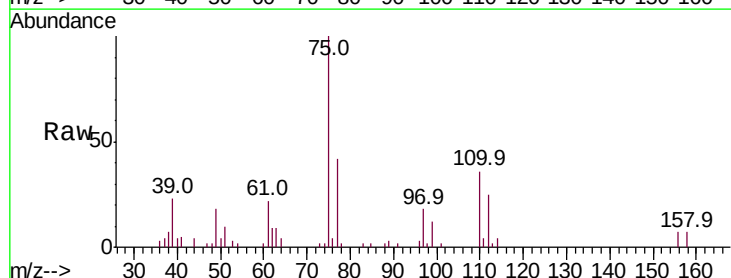
Manual Integrations
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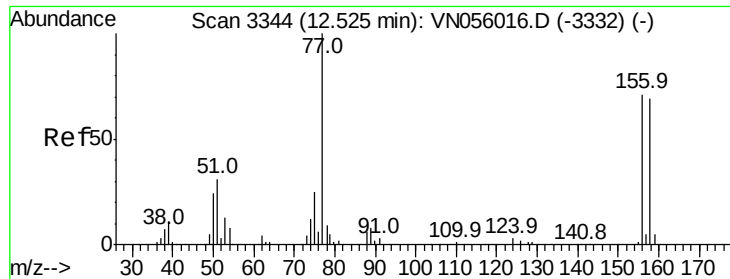
MMDadoda
 6/6/2019 10:19:25 AM



#72
 1,2,3-Trichloropropane
 Concen: 5.307 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	75	Resp	20164
Ion	Ratio	Lower	Upper
75	100		
77	159.2	0.0	350.0





#73

Bromobenzene

Concen: 4.709 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

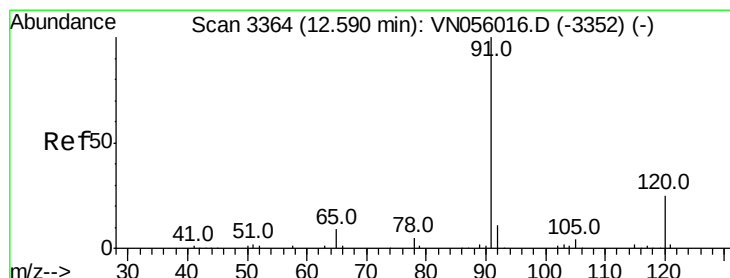
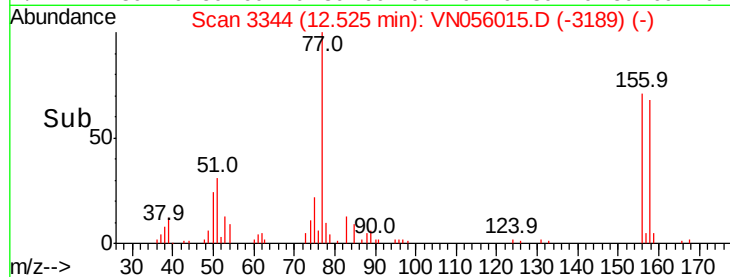
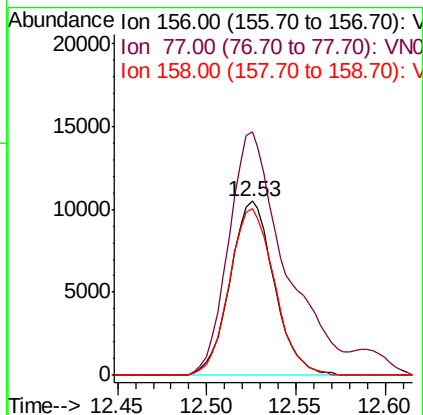
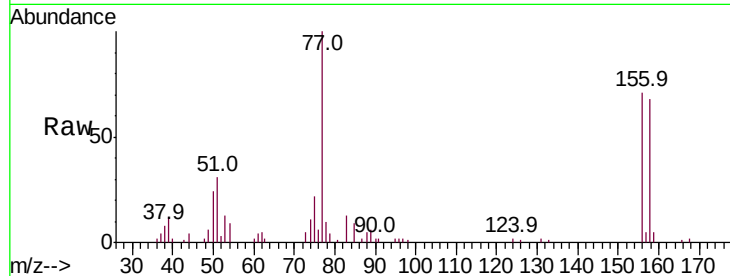
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	18052
Ion	Ratio	Lower	Upper
156	100		
77	177.9	0.0	350.8
158	98.1	0.0	193.2

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6/6/2019 10:19:25 AM



#74

n-propylbenzene

Concen: 4.463 ug/l

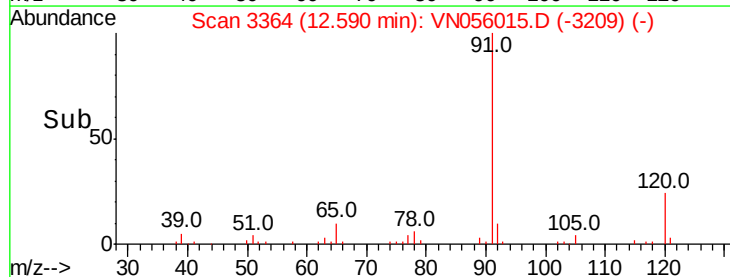
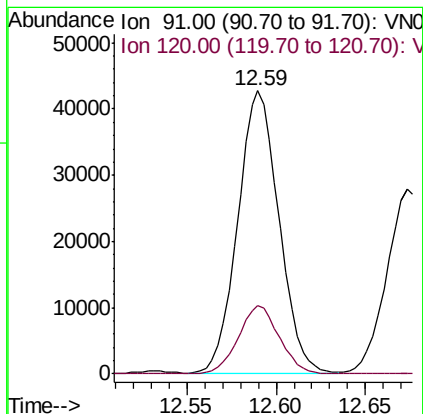
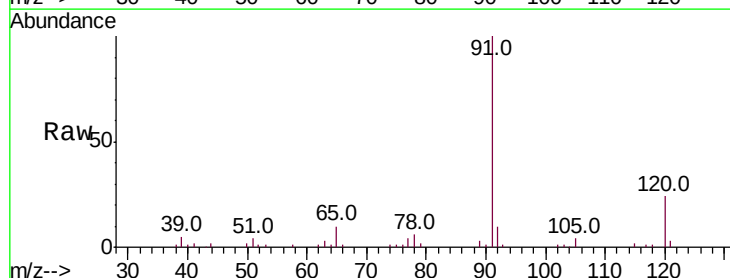
RT: 12.59 min Scan# 3364

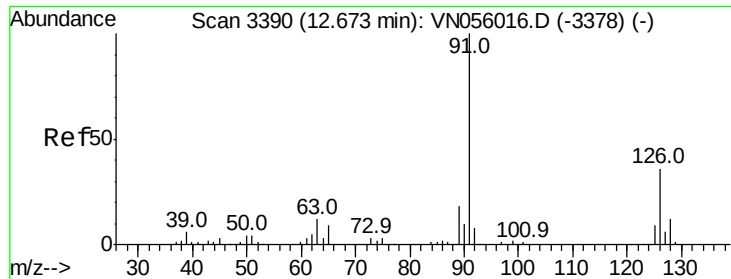
Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion:	91	Resp:	69250
Ion	Ratio	Lower	Upper
91	100		
120	23.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 4.939 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 46914

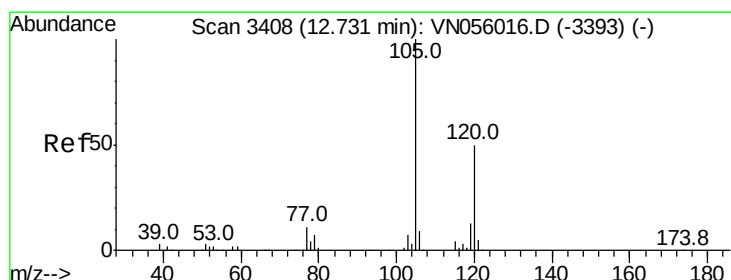
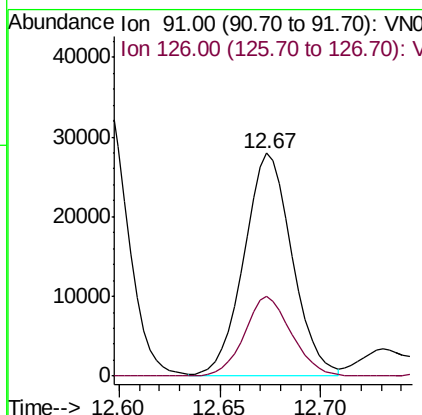
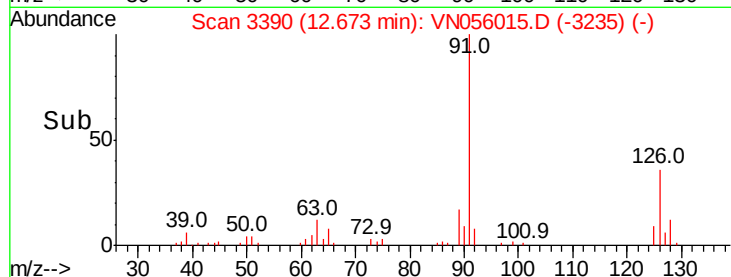
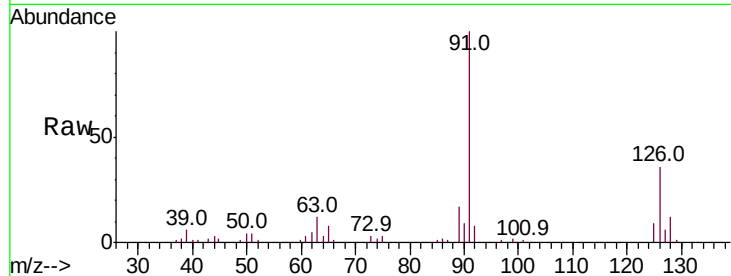
Ion Ratio Lower Upper

91 100

126 34.7 0.0 72.4

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6/6/2019 10:19:25 AM



#76

1,3,5-Trimethylbenzene

Concen: 4.848 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056015.D

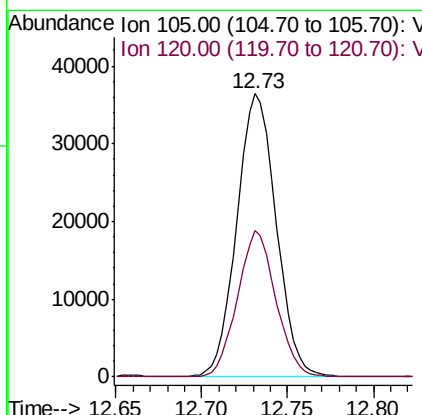
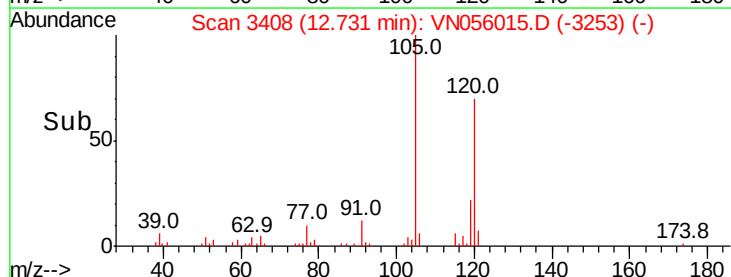
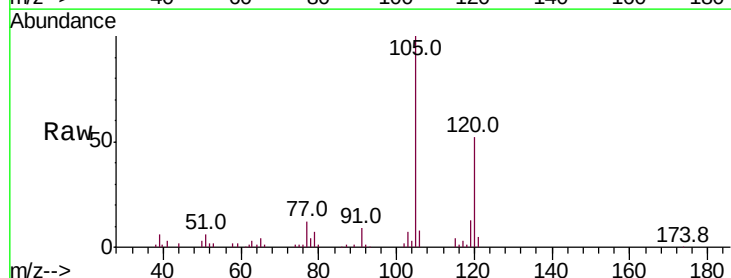
Acq: 5 Jun 2019 18:53

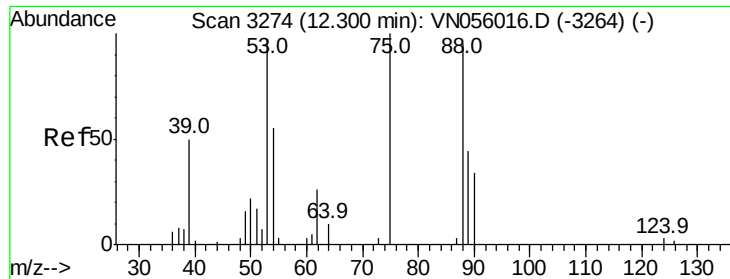
Tgt Ion: 105 Resp: 57901

Ion Ratio Lower Upper

105 100

120 50.1 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 2.650 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

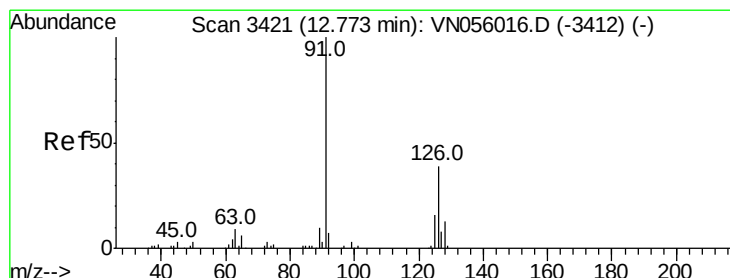
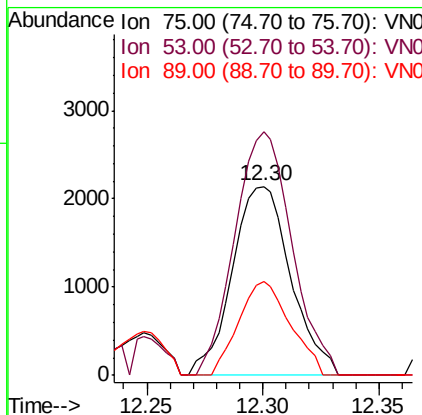
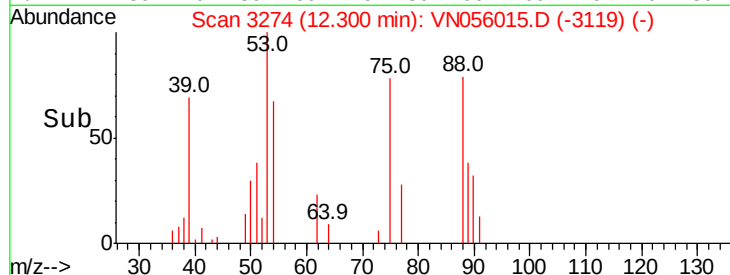
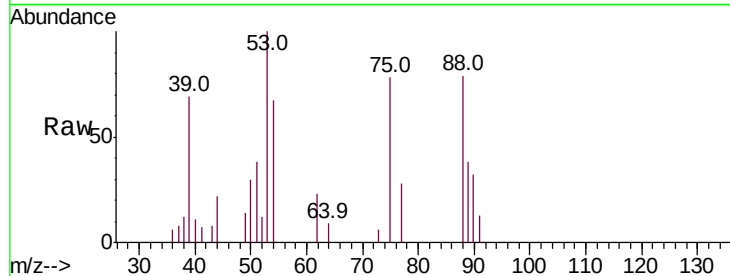
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3762
Ion	Ratio	Lower	Upper
75	100		
53	128.7	48.0	144.0
89	49.4	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 4.253 ug/l

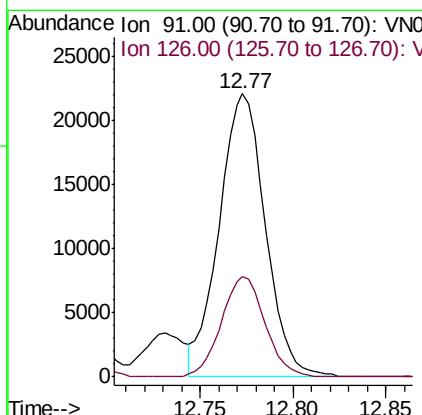
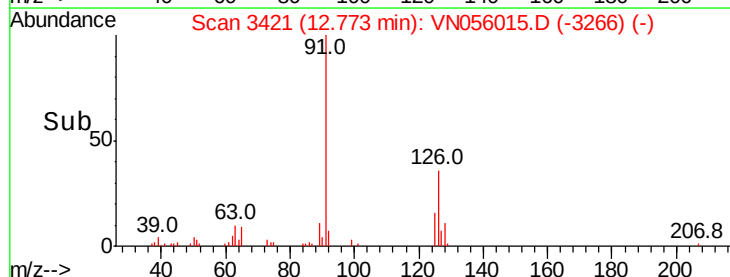
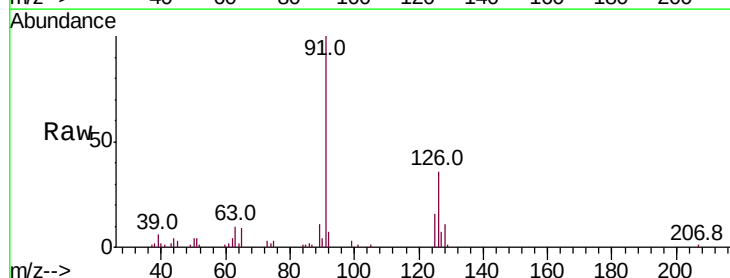
RT: 12.77 min Scan# 3421

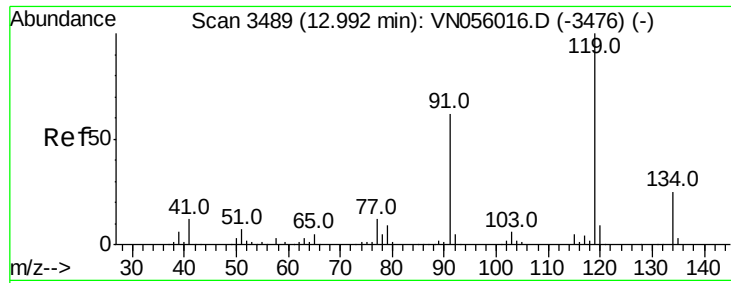
Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion:	91	Resp:	38131
Ion	Ratio	Lower	Upper
91	100		
126	33.5	0.0	71.8





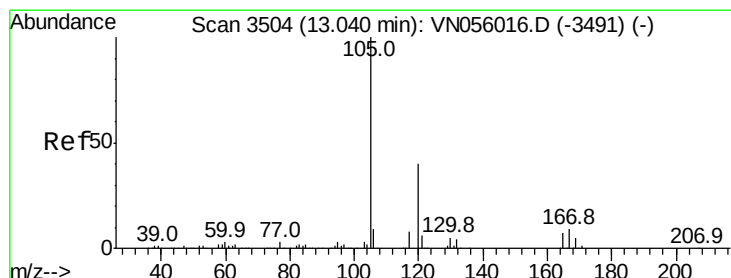
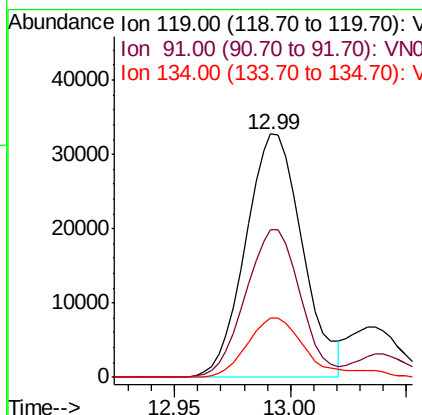
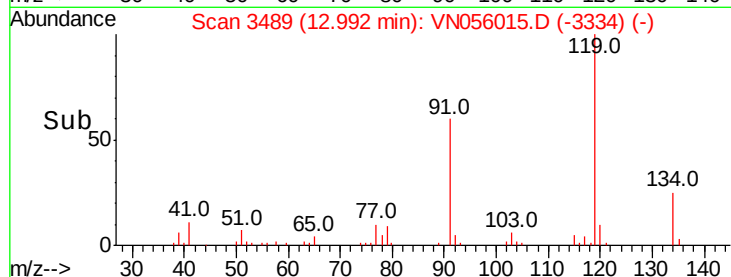
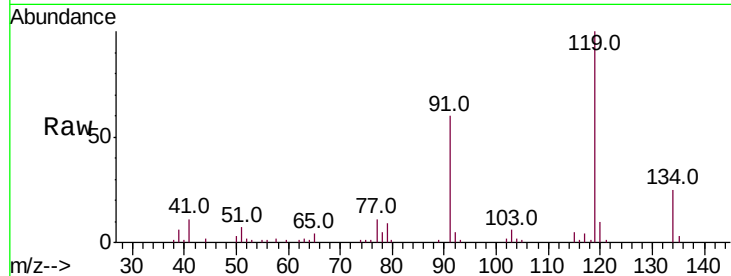
#79
tert-butylbenzene
Concen: 5.314 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	0.0	122.8
134	24.8	0.0	50.2

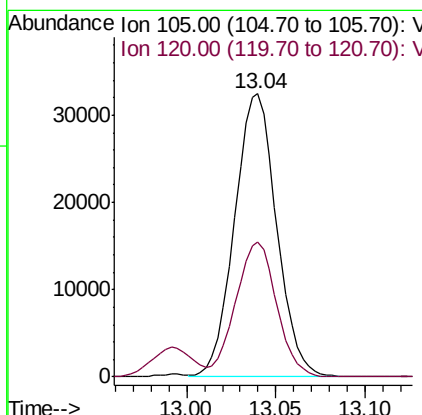
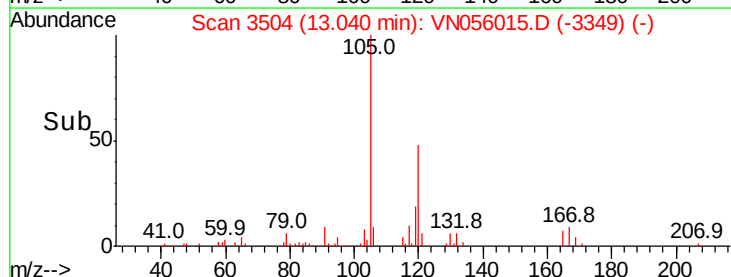
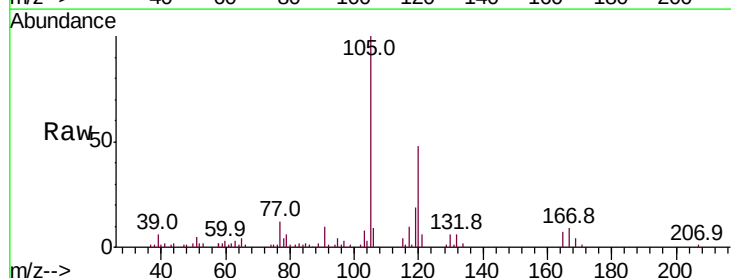
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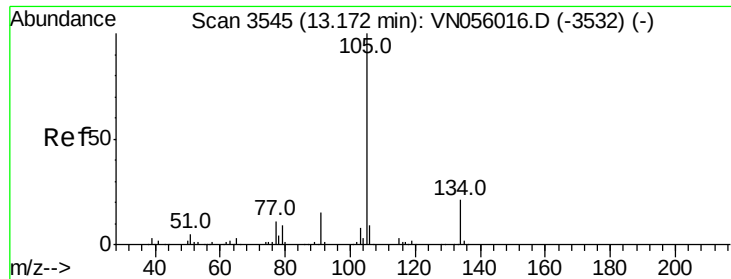
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#80
1,2,4-Trimethylbenzene
Concen: 4.538 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056015.D
Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	0.0	93.4





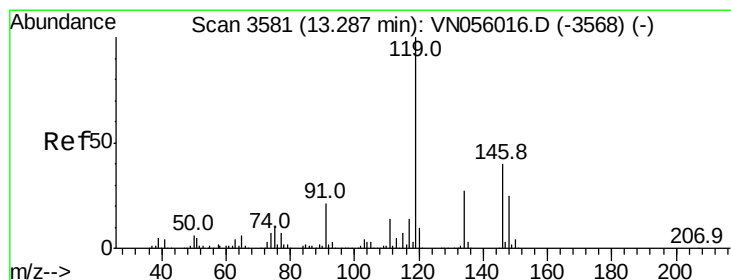
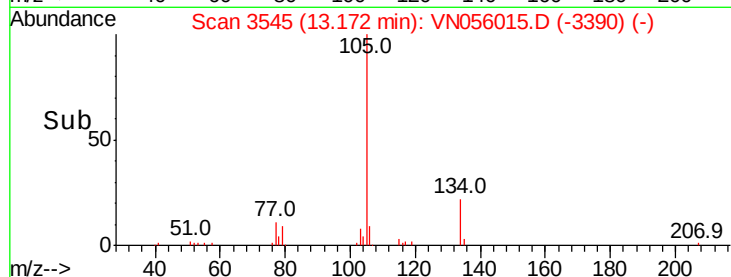
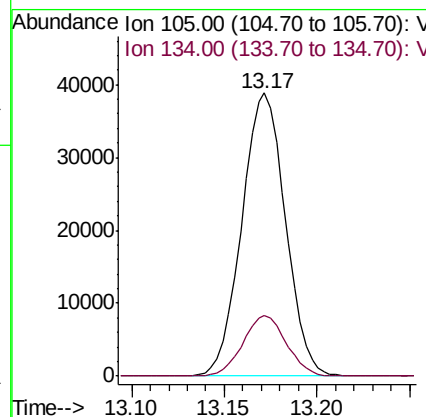
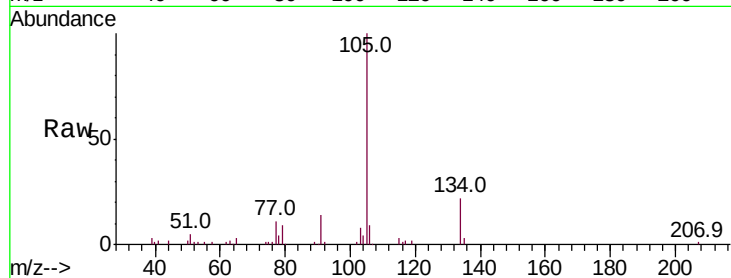
#81
 sec-Butylbenzene
 Concen: 4.752 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	0.0	41.8

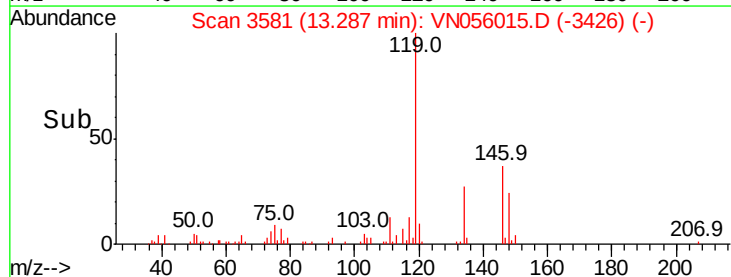
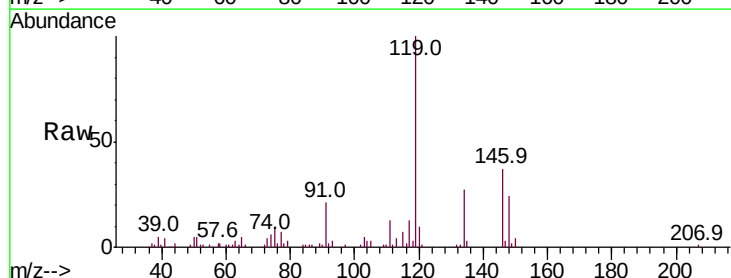
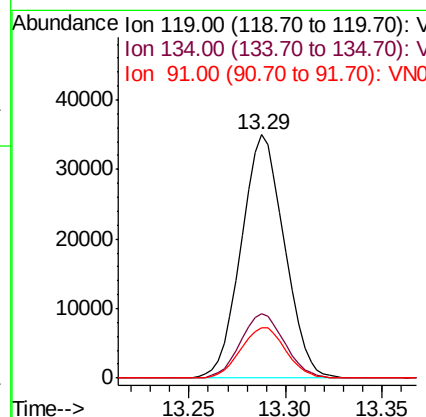
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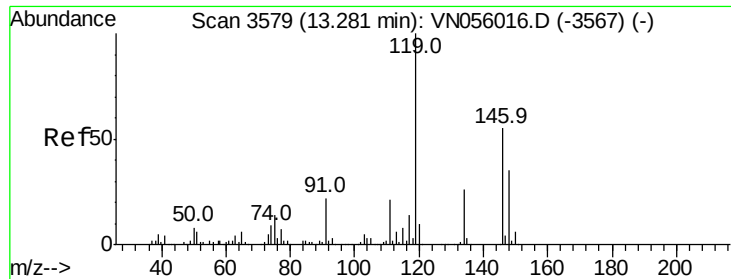
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#82
 p-Isopropyltoluene
 Concen: 4.448 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	53.4
91	21.6	0.0	43.0





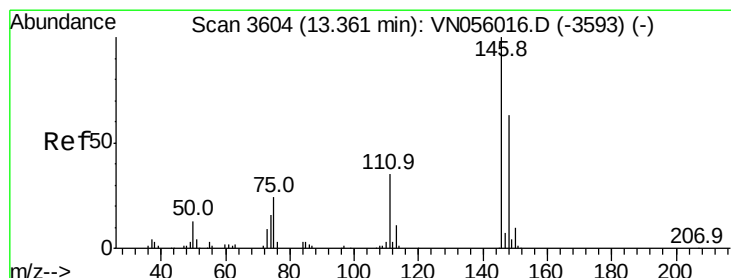
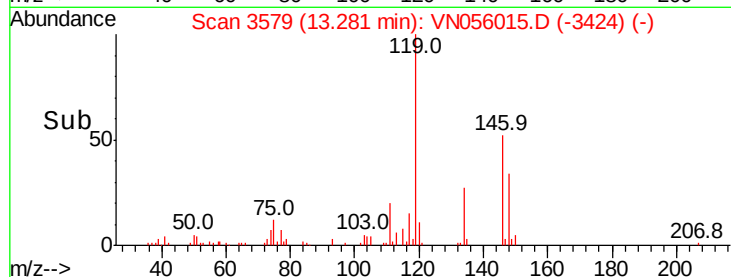
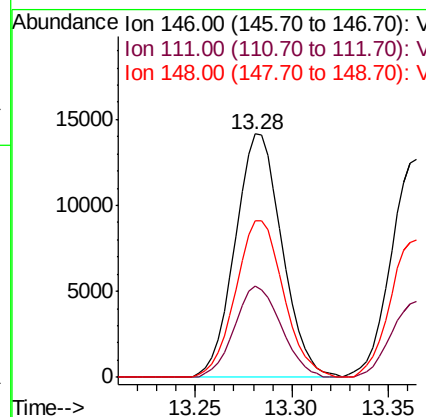
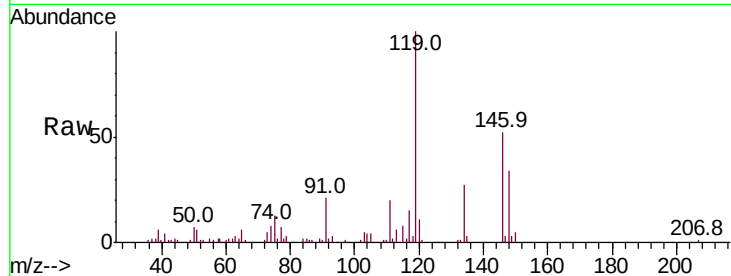
#83
 1,3-Dichlorobenzene
 Concen: 3.991 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.2	54.6
148	66.0	31.9	95.9

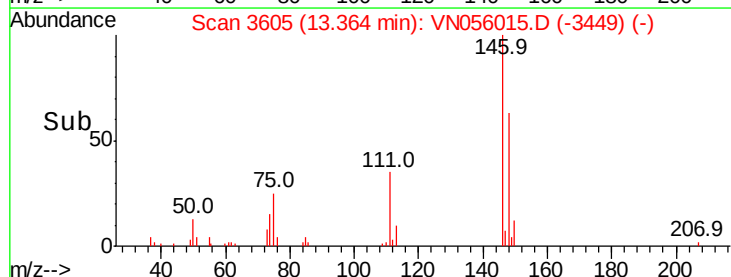
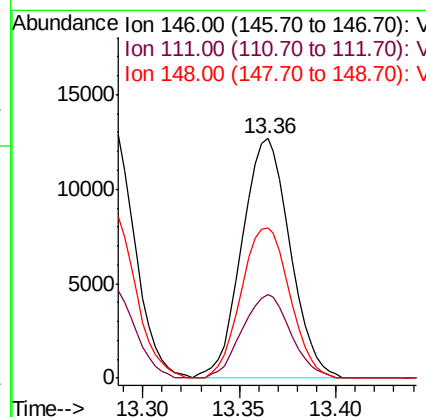
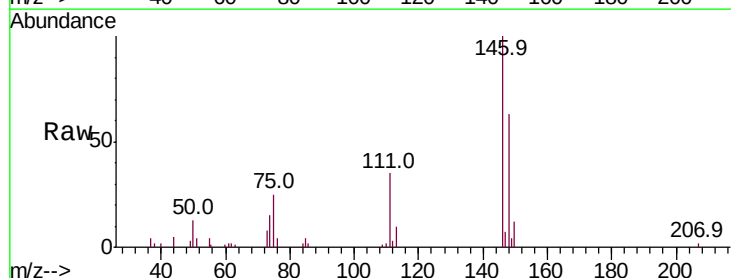
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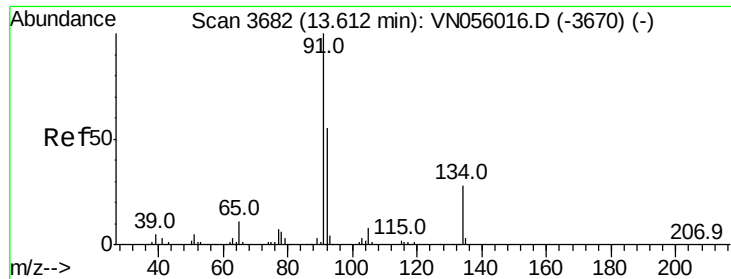
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#84
 1,4-Dichlorobenzene
 Concen: 3.872 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.6	52.9
148	63.4	32.1	96.3





#85

n-Butylbenzene

Concen: 3.751 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

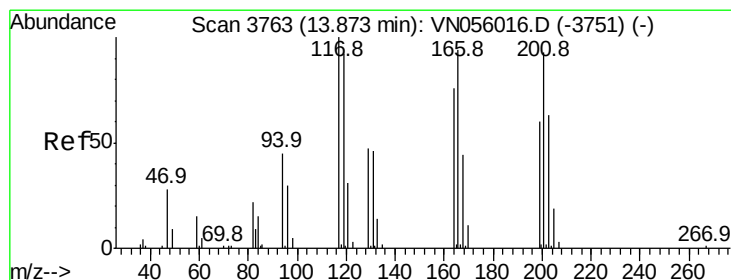
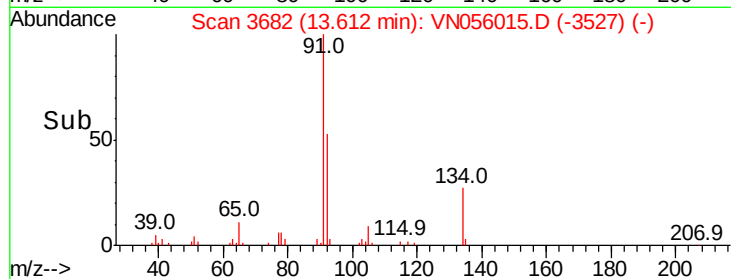
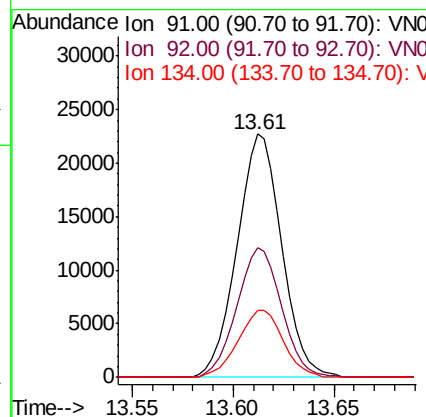
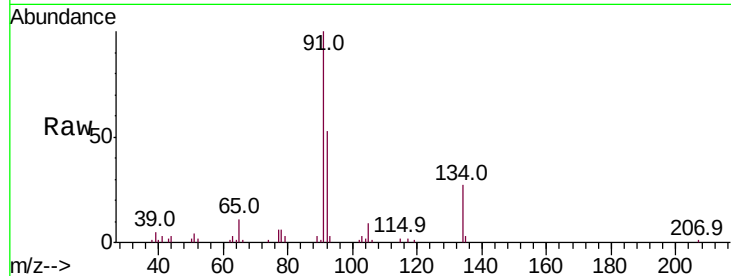
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	35201
Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	107.2
134	27.7	0.0	55.8

Manual Integrations
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#86

Hexachloroethane

Concen: 3.383 ug/l

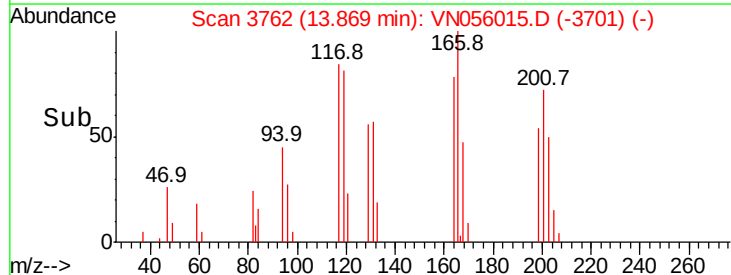
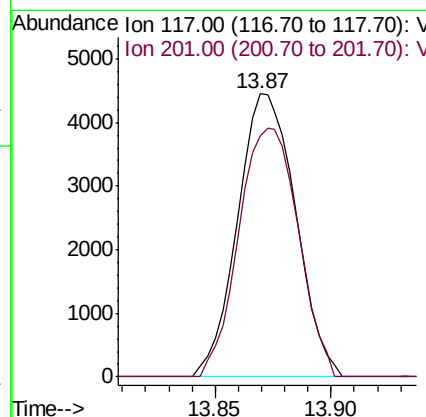
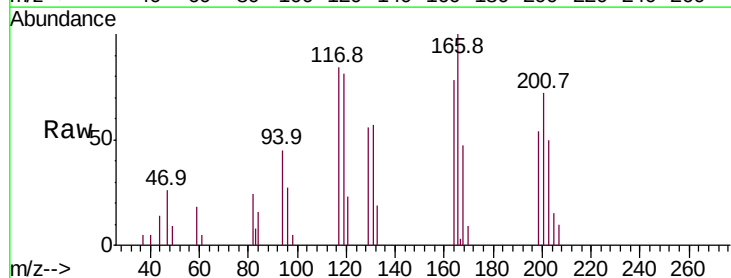
RT: 13.87 min Scan# 3762

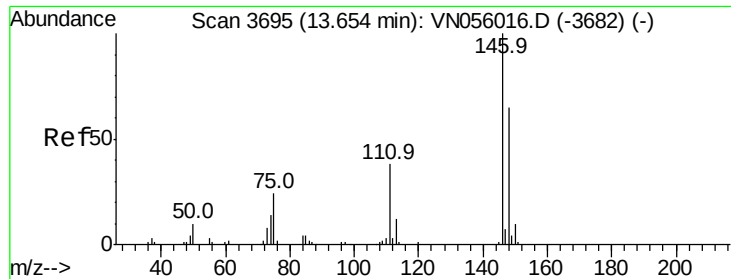
Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion:	117	Resp:	7741
Ion	Ratio	Lower	Upper
117	100		
201	89.9	48.1	144.4





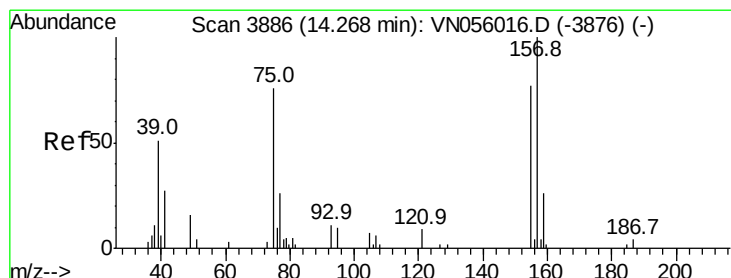
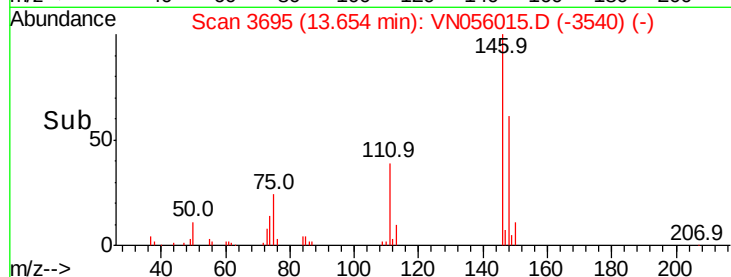
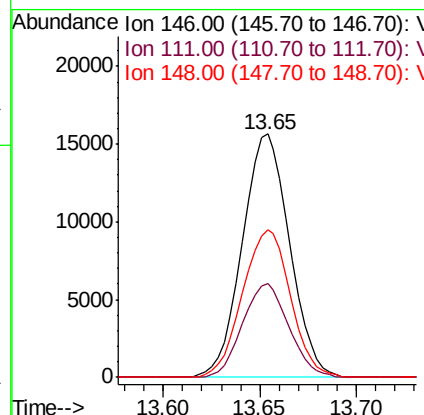
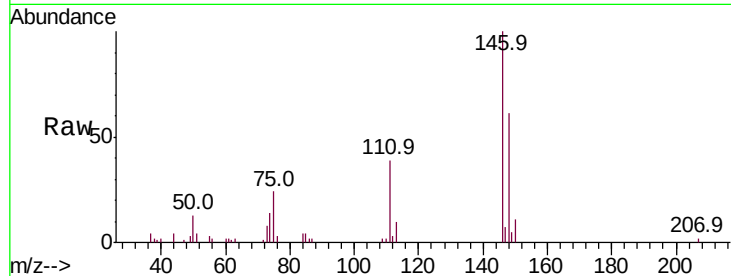
#87
 1,2-Dichlorobenzene
 Concen: 4.419 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.3	57.9
148	61.5	32.6	97.8

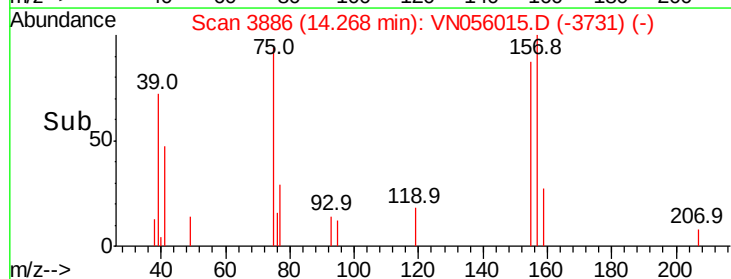
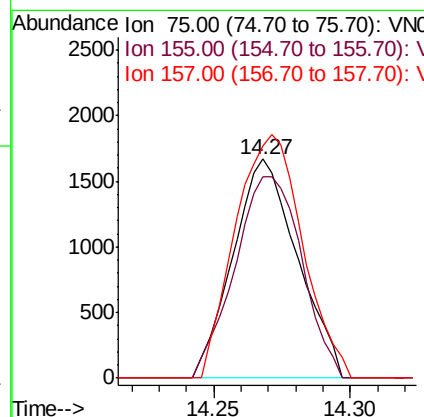
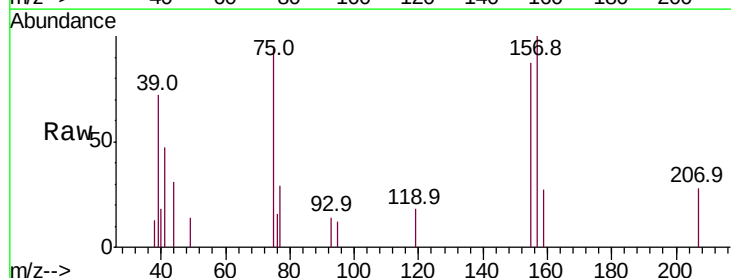
Manual Integrations
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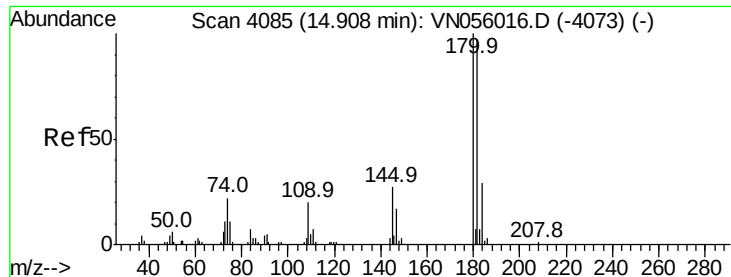
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.435 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	82.5	123.7
157	115.9	105.1	157.7





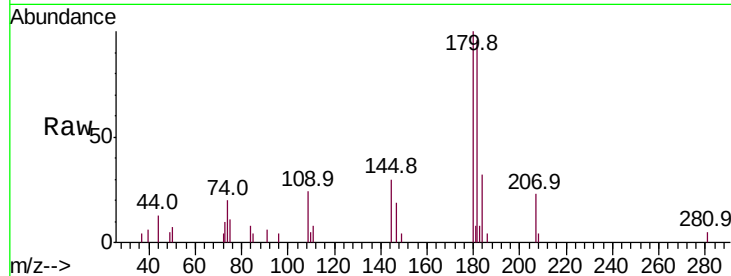
#89
 1,2,4-Trichlorobenzene
 Concen: 2.379 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.0	112.6
145	27.3	22.1	33.1

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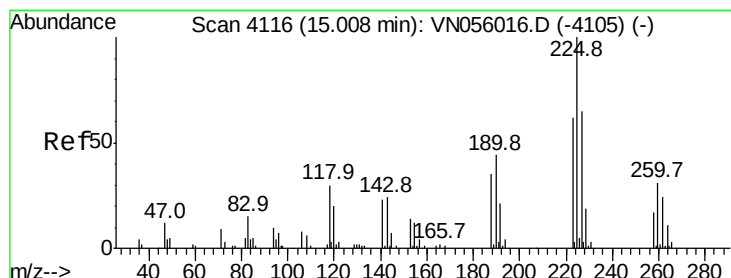
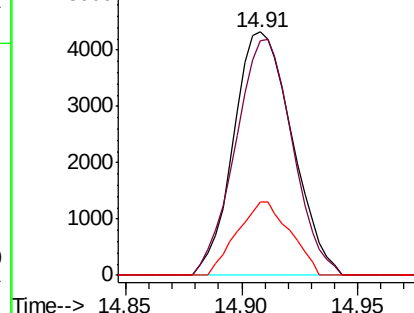
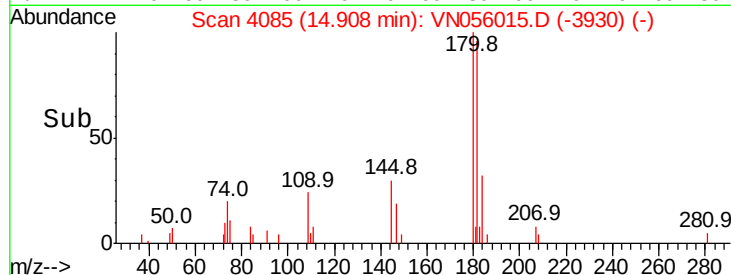


Abundance

Ion 180.00 (179.70 to 180.70): V

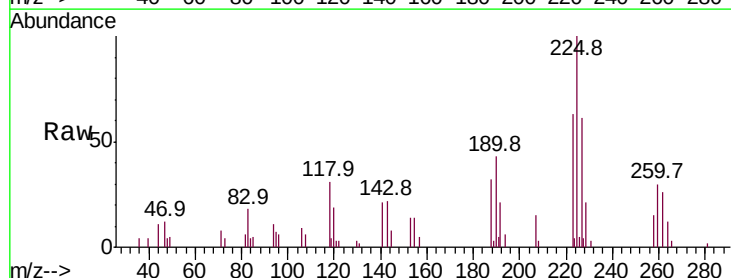
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 4.622 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056015.D
 Acq: 5 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	125.6
227	61.4	0.0	128.6

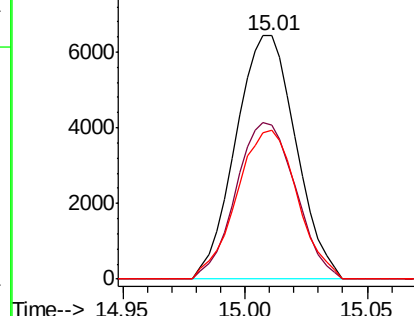
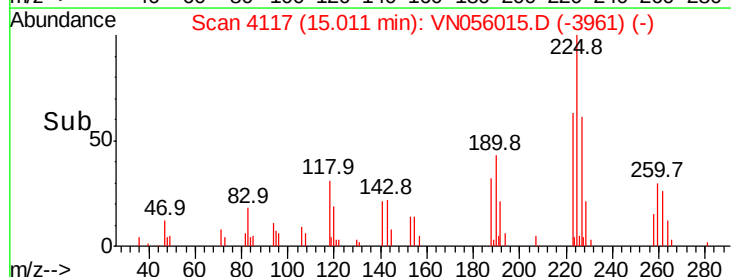


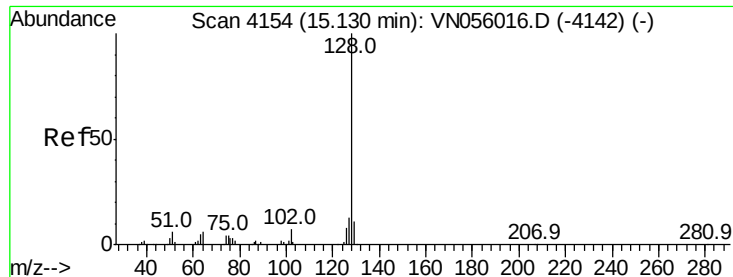
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 2.603 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Instrument :

MSVOA_N

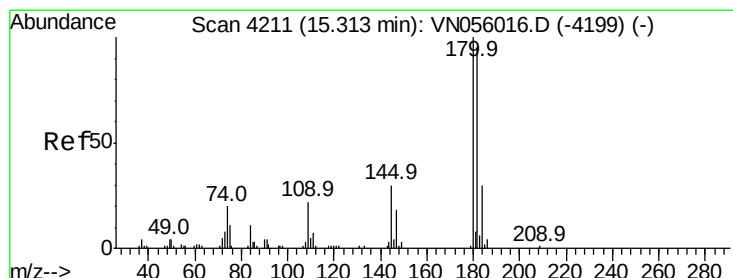
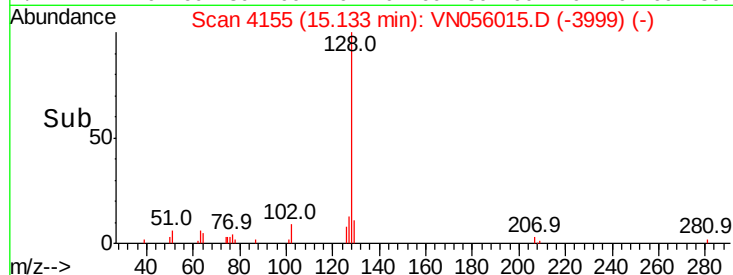
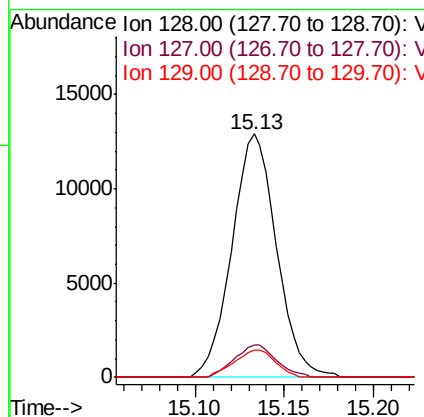
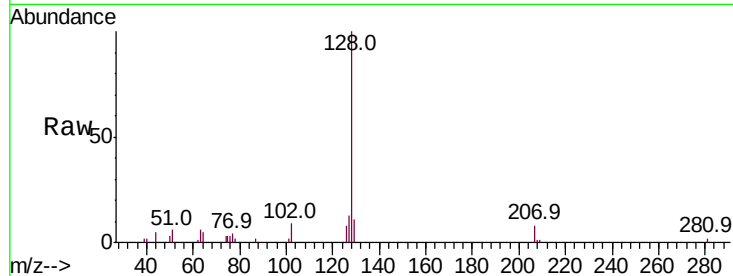
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	22563
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.4	15.6
129	10.5	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 2.906 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN056015.D

Acq: 5 Jun 2019 18:53

Tgt Ion:	180	Resp:	9686
Ion Ratio	Lower	Upper	
180	100		
182	98.8	0.0	193.4
145	27.3	0.0	59.8

