

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056216.D
 Acq On : 11 Jun 2019 12:16
 Operator : JC/SP
 Sample : VN0611WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:26 AM

Quant Time: Jun 12 07:00:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	282155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	400252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	360810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144860	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	142071	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
35) Dibromofluoromethane	7.59	113	128939	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
50) Toluene-d8	10.09	98	470149	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	152343	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	56975	18.605	ug/l	100
3) Chloromethane	2.06	50	58406	19.096	ug/l	99
4) Vinyl Chloride	2.18	62	59719	19.465	ug/l	100
5) Bromomethane	2.54	94	36425	18.795	ug/l	98
6) Chloroethane	2.68	64	33841	19.024	ug/l	96
7) Trichlorofluoromethane	3.01	101	76319	19.486	ug/l	99
8) Diethyl Ether	3.40	74	30396	18.872	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47428	19.934	ug/l	97
10) Methyl Iodide	3.94	142	66752	17.655	ug/l	99
11) Tert butyl alcohol	4.81	59	41791	85.719	ug/l	98
12) 1,1-Dichloroethene	3.72	96	46215	19.511	ug/l	97
13) Acrolein	3.60	56	11992	85.287	ug/l	97
14) Allyl chloride	4.31	41	72293	19.329	ug/l	99
15) Acrylonitrile	4.99	53	130545	109.998	ug/l	100
16) Acetone	3.82	43	121273	90.509	ug/l	98
17) Carbon Disulfide	4.04	76	99876	17.610	ug/l	100
18) Methyl Acetate	4.33	43	60457	22.654	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	150815	19.975	ug/l	99
20) Methylene Chloride	4.54	84	54650	19.797	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	48390	19.067	ug/l	97
22) Diisopropyl ether	5.95	45	152541	19.730	ug/l	97
23) Vinyl Acetate	5.90	43	607256	99.736	ug/l	99
24) 1,1-Dichloroethane	5.84	63	89828	20.141	ug/l	98
25) 2-Butanone	6.84	43	177067	104.593	ug/l	99
26) 2,2-Dichloropropane	6.82	77	59328	17.048	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	59301	19.878	ug/l	96
28) Bromochloromethane	7.19	49	45404	21.528	ug/l	97
29) Tetrahydrofuran	7.22	42	111605	106.650	ug/l	98
30) Chloroform	7.37	83	94364	21.033	ug/l	100
31) Cyclohexane	7.65	56	80151	18.030	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	75652	20.193	ug/l	99
36) 1,1-Dichloropropene	7.79	75	64658	18.787	ug/l	99
37) Ethyl Acetate	6.93	43	66197	21.617	ug/l	100
38) Carbon Tetrachloride	7.77	117	65179	20.542	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	76214	17.777	ug/l	100
40) Benzene	8.04	78	213882	20.461	ug/l	100
41) Methacrylonitrile	7.18	41	30626	21.737	ug/l	91
42) 1,2-Dichloroethane	8.12	62	69348	20.625	ug/l	100
43) Isopropyl Acetate	8.17	43	99946	20.142	ug/l #	91
44) Trichloroethene	8.83	130	60405	20.111	ug/l	95
45) 1,2-Dichloropropane	9.12	63	54922	20.513	ug/l	98
46) Dibromomethane	9.21	93	37331	21.322	ug/l	98
47) Bromodichloromethane	9.40	83	68489	21.583	ug/l	98
48) Methyl methacrylate	9.20	41	49863	20.540	ug/l	97
49) 1,4-Dioxane	9.20	88	22273	424.976	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	330347	106.457	ug/l	100
52) Toluene	10.16	92	131399	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62900	18.494	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	76457	20.045	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	54312	21.080	ug/l	96
56) Ethyl methacrylate	10.43	69	75317	20.037	ug/l	98
57) 1,3-Dichloropropane	10.71	76	89694	21.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	120495	90.915	ug/l	99
59) 2-Hexanone	10.75	43	232761	103.492	ug/l	100
60) Dibromochloromethane	10.90	129	56630	21.403	ug/l	97
61) 1,2-Dibromoethane	11.00	107	56664	21.513	ug/l	100
64) Tetrachloroethene	10.63	164	62534	20.022	ug/l	96
65) Chlorobenzene	11.43	112	142262	19.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	53507	21.580	ug/l	99
67) Ethyl Benzene	11.51	91	240380	19.251	ug/l	100
68) m/p-Xylenes	11.62	106	184083	38.593	ug/l	98
69) o-Xylene	11.95	106	91335	19.466	ug/l	98
70) Styrene	11.96	104	145047	19.457	ug/l	99
71) Bromoform	12.13	173	40314	21.046	ug/l #	99
73) Isopropylbenzene	12.25	105	239479	21.829	ug/l	100
74) N-amyl acetate	12.07	43	77364	20.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	76495	22.747	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	60783m	22.804	ug/l	
77) Bromobenzene	12.53	156	64485	20.792	ug/l	96
78) n-propylbenzene	12.59	91	240624	19.635	ug/l	99
79) 2-Chlorotoluene	12.67	91	150998	20.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	193411	19.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	14532	18.156	ug/l #	82
82) 4-Chlorotoluene	12.77	91	139889	19.511	ug/l	100
83) tert-Butylbenzene	12.99	119	177237	21.921	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	183033	19.817	ug/l	98
85) sec-Butylbenzene	13.17	105	217053	19.999	ug/l	100
86) p-Isopropyltoluene	13.29	119	188615	19.419	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	93810	19.543	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87814	19.018	ug/l	99
89) n-Butylbenzene	13.61	91	123101	17.109	ug/l	99
90) Hexachloroethane	13.87	117	31211	21.307	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	97733	20.167	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10743	22.335	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34483	16.079	ug/l	100
94) Hexachlorobutadiene	15.01	225	38696	22.118	ug/l	98
95) Naphthalene	15.13	128	93786	16.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41451	17.338	ug/l	98

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

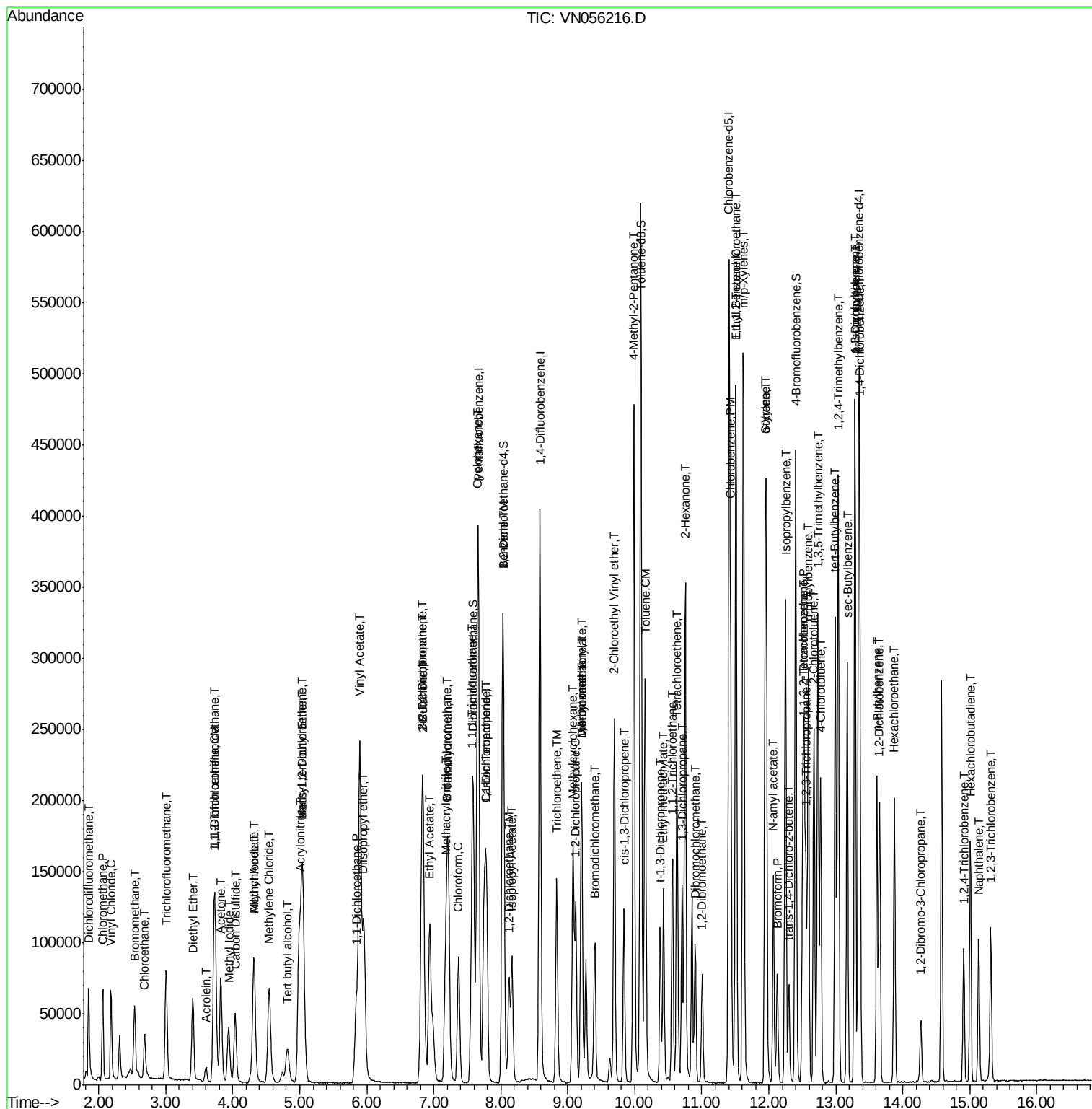
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 Data File : VN056216.D
 Acq On : 11 Jun 2019 12:16
 Operator : JC/SP
 Sample : VN0611WBS01
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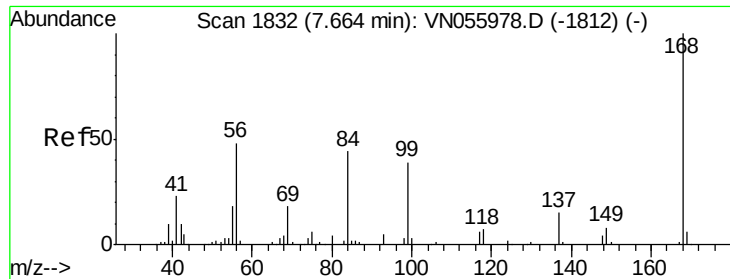
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0611WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion:168 Resp: 282155

Ion Ratio Lower Upper

168 100

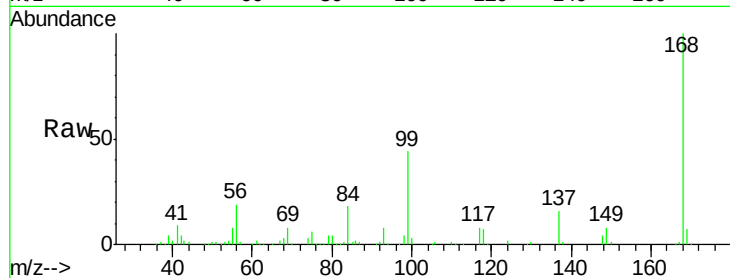
99 43.8 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

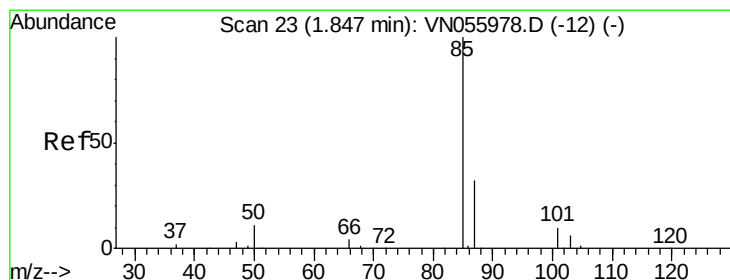
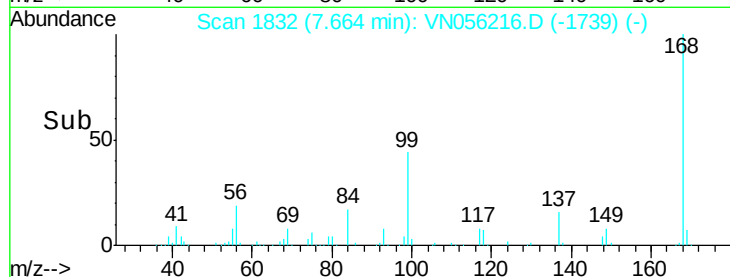
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.605 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056216.D

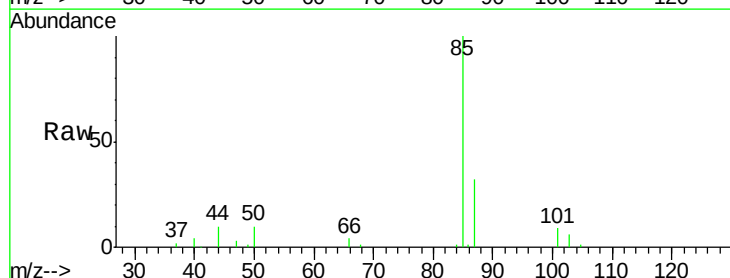
Acq: 11 Jun 2019 12:16

Tgt Ion: 85 Resp: 56975

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

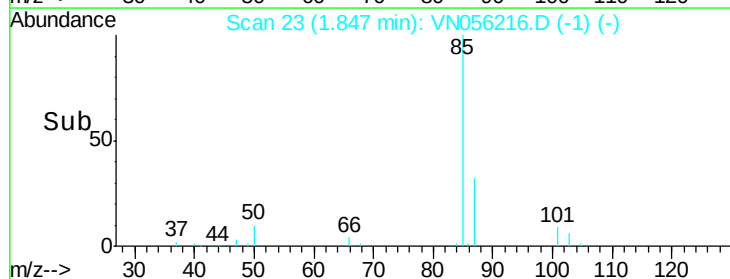
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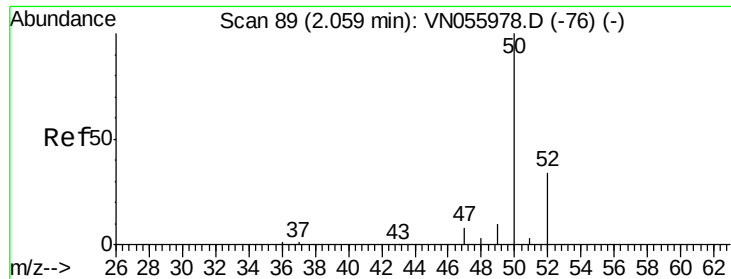
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.096 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 50 Resp: 58406

Ion Ratio Lower Upper

50 100

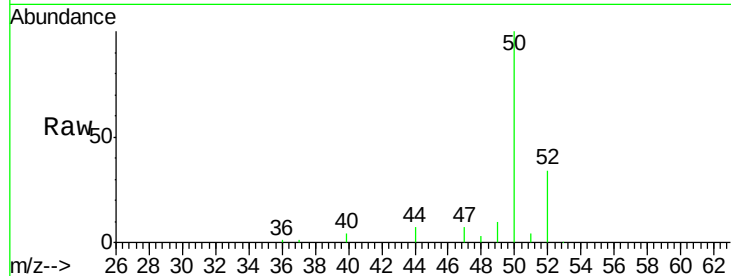
52 34.0 26.6 40.0

Manual Integrations

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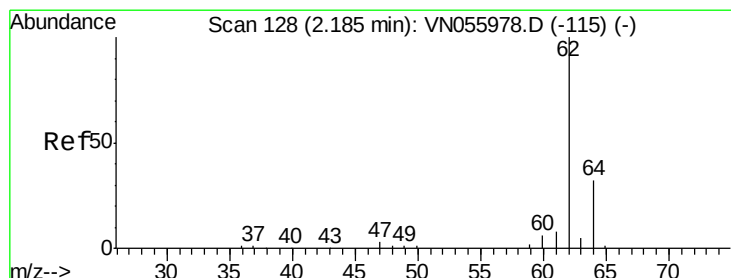
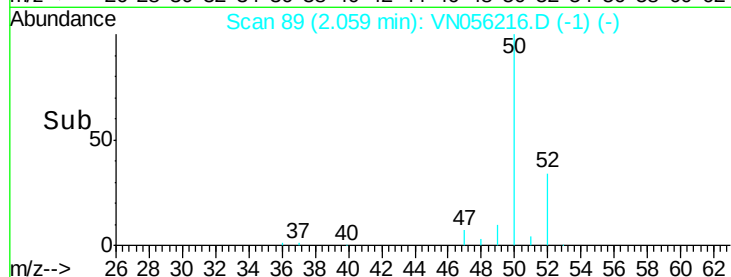
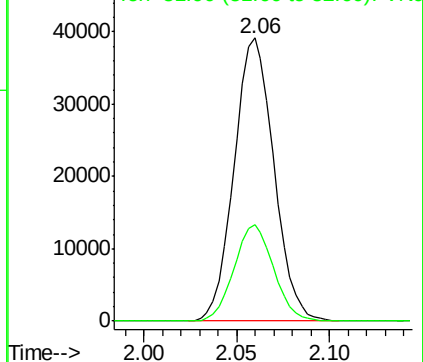
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.465 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056216.D

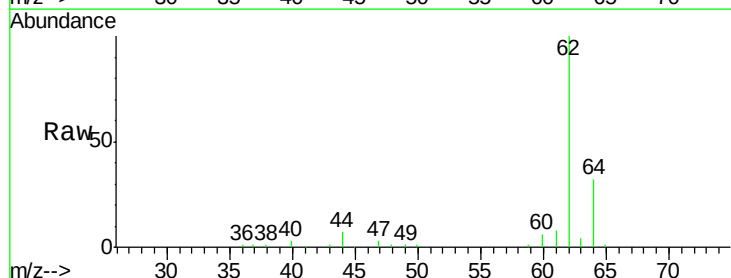
Acq: 11 Jun 2019 12:16

Tgt Ion: 62 Resp: 59719

Ion Ratio Lower Upper

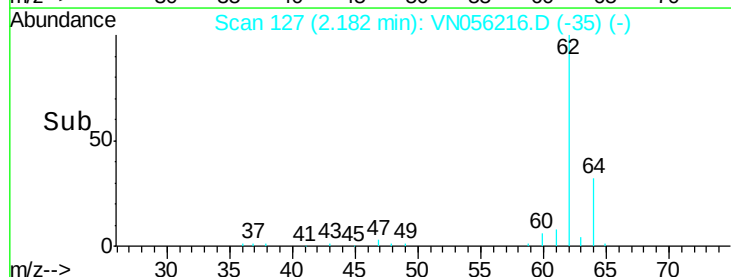
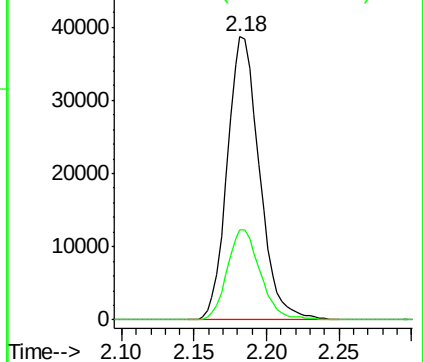
62 100

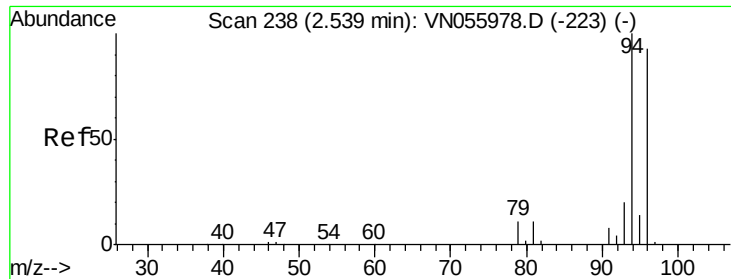
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.795 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 94 Resp: 36425

Ion Ratio Lower Upper

94 100

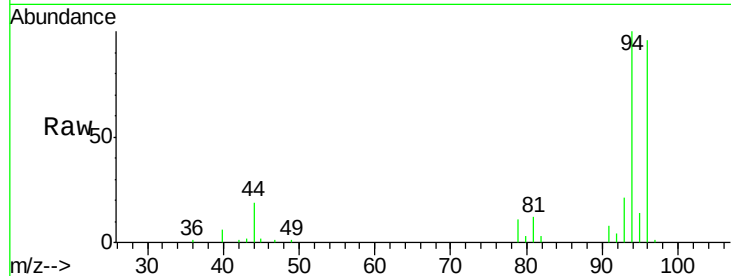
96 95.9 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

20000

15000

10000

5000

0

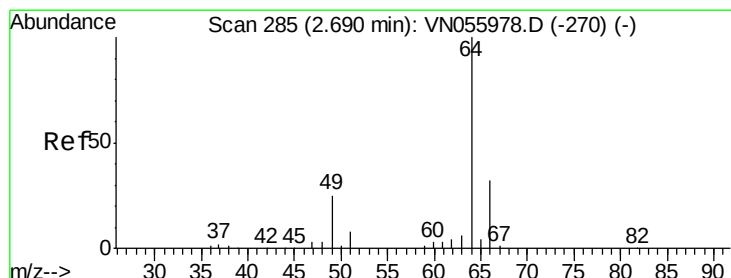
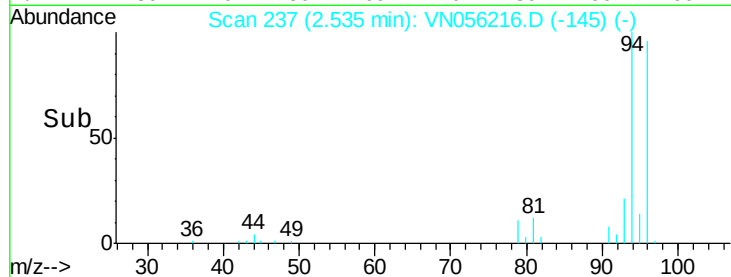
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2.45

2.50

2.55

2.60



#6

Chloroethane

Concen: 19.024 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056216.D

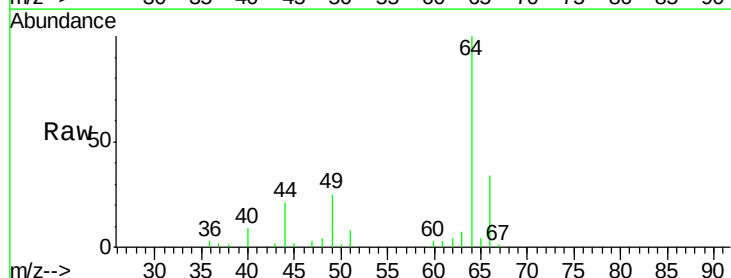
Acq: 11 Jun 2019 12:16

Tgt Ion: 64 Resp: 33841

Ion Ratio Lower Upper

64 100

66 34.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

15000

10000

5000

0

Time-->

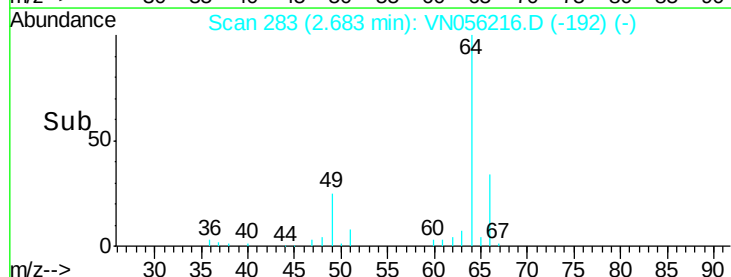
2.60

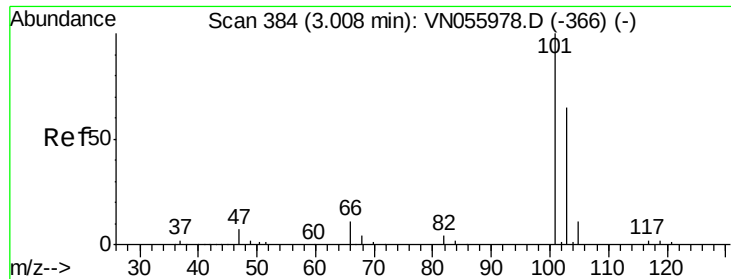
2.65

2.70

2.75

2.80





#7

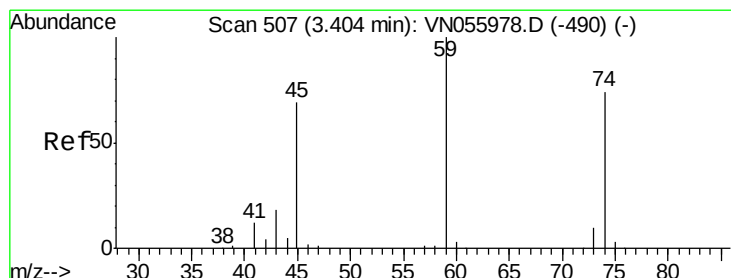
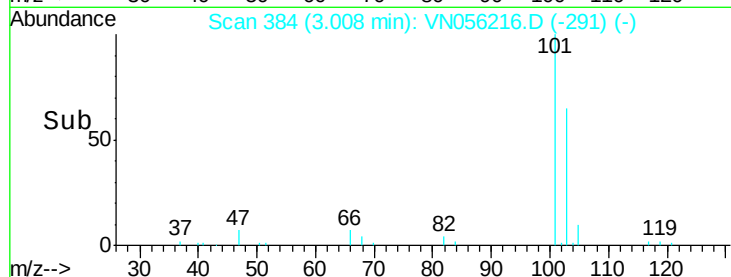
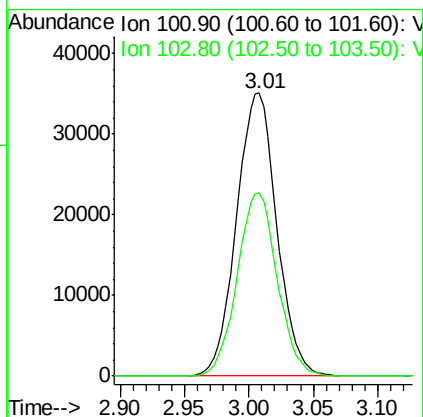
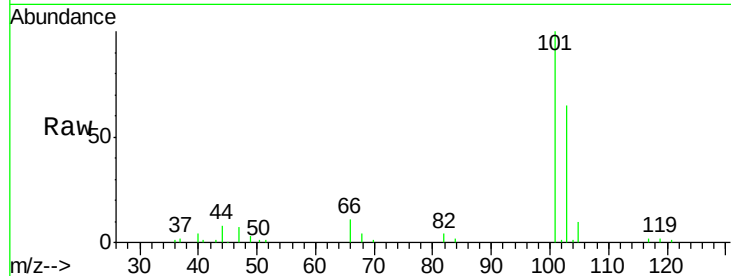
Trichlorofluoromethane
 Concen: 19.486 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.2	76.8

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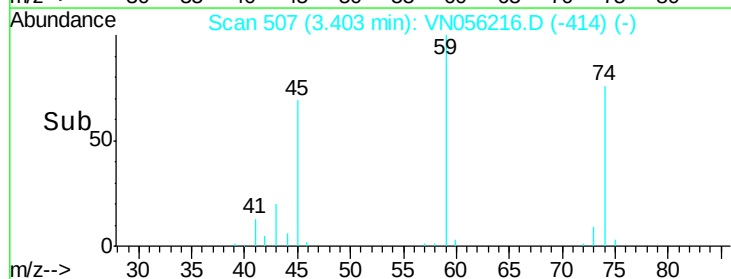
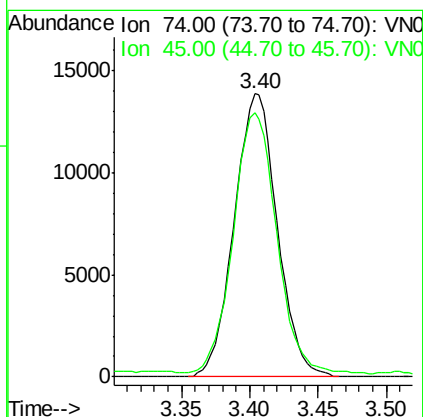
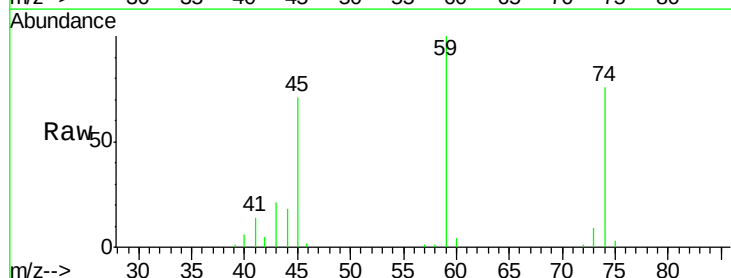
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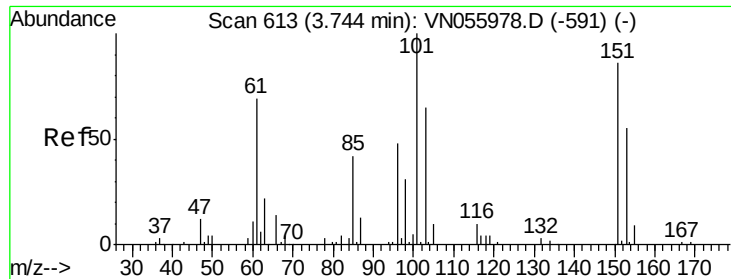


#8

Diethyl Ether
 Concen: 18.872 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.934 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion:101 Resp: 47428

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.2

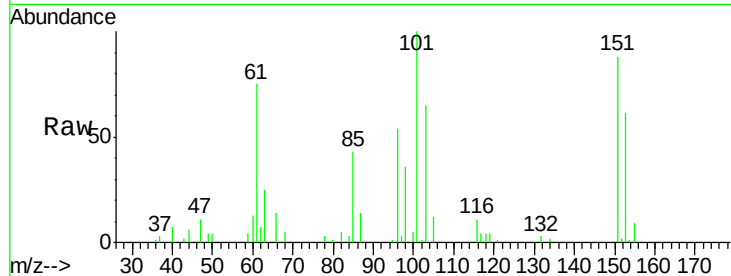
151 91.1 69.4 104.2

Manual Integrations

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MMDadoda

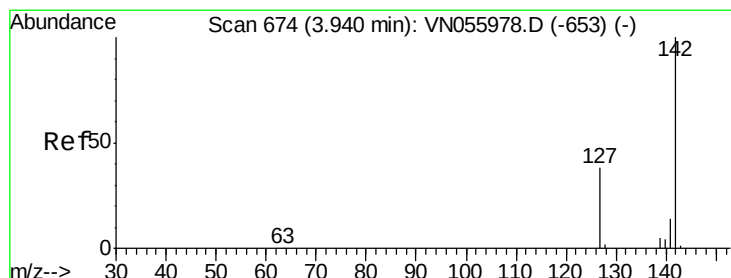
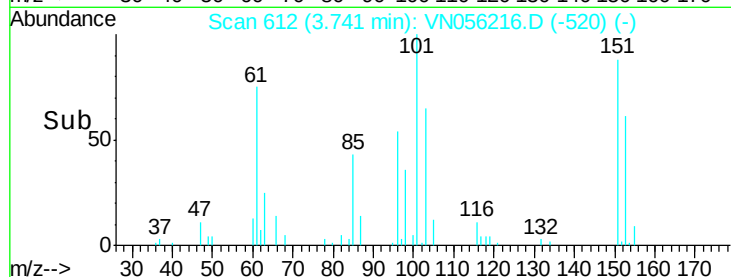
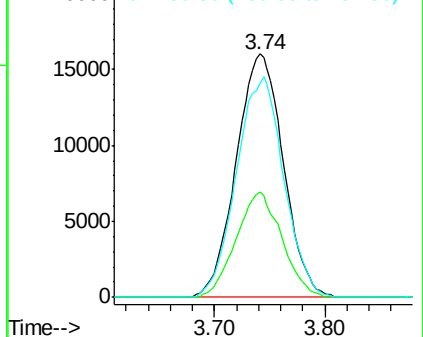
6/12/2019 11:11:26 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.655 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

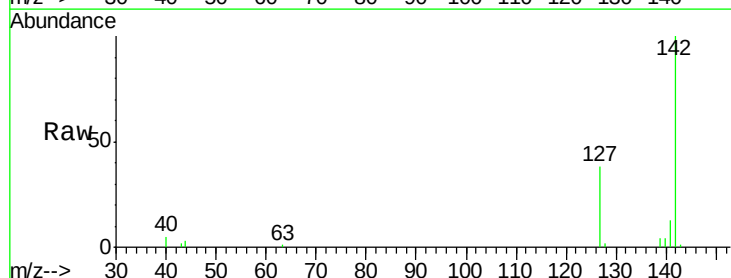
Tgt Ion:142 Resp: 66752

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

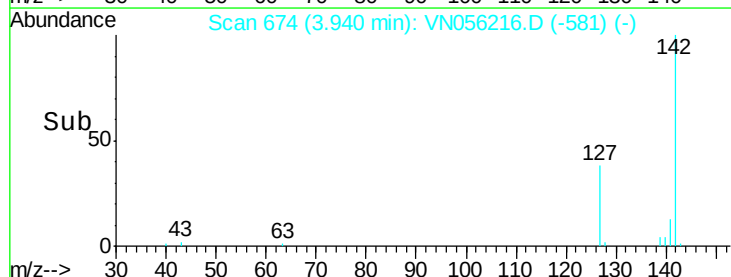
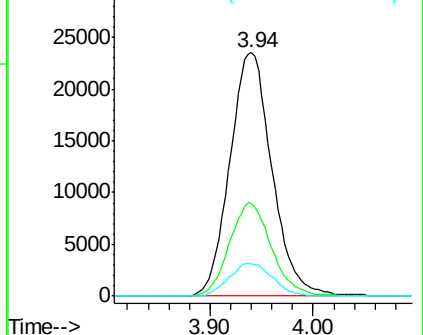
141 13.8 11.4 17.0

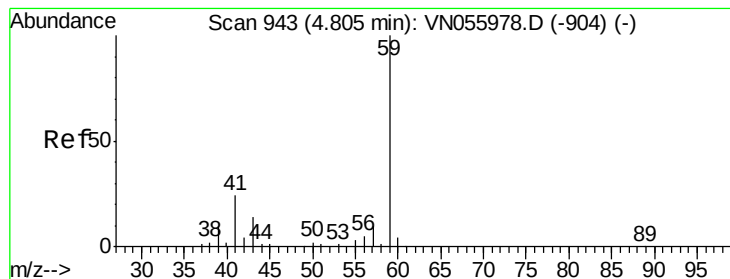


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

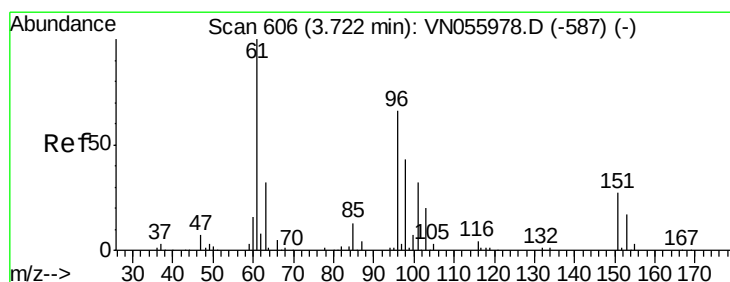
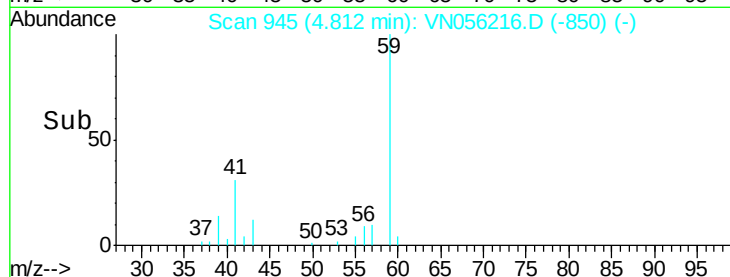
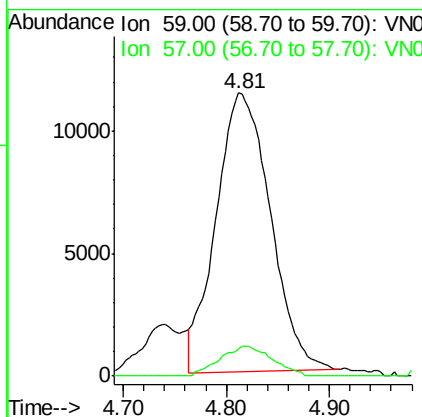
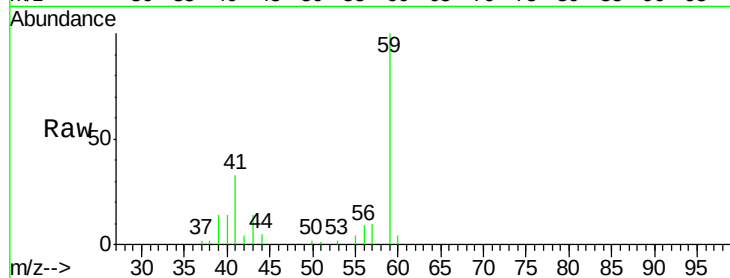
Tert butyl alcohol
 Concen: 85.719 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0611WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.6

Manual Integrations
 APPROVED

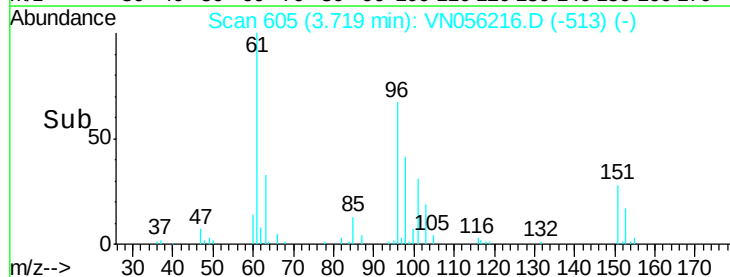
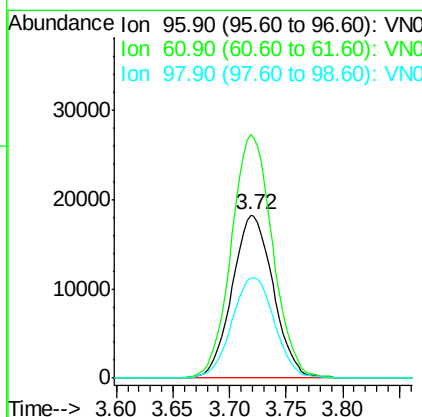
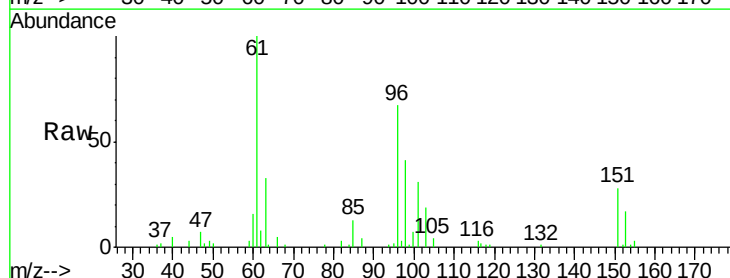
MMDadoda
 6/12/2019 11:11:26 AM

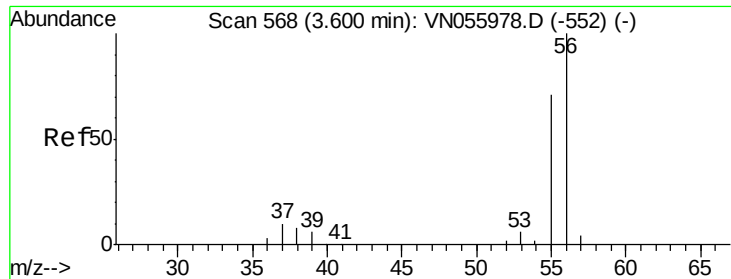


#12

1,1-Dichloroethene
 Concen: 19.511 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	123.2	184.8
98	61.6	50.4	75.6





#13

Acrolein

Concen: 85.287 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 56 Resp: 11992

Ion Ratio Lower Upper

56 100

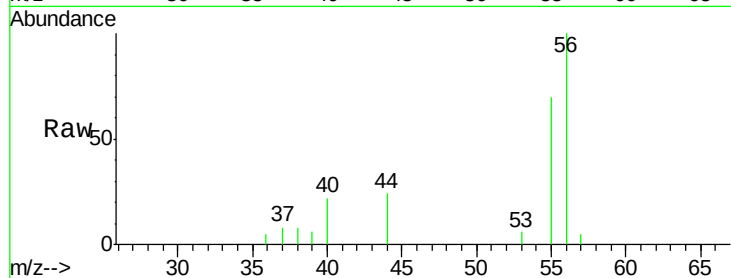
55 72.1 55.4 83.2

Manual Integrations

APPROVED

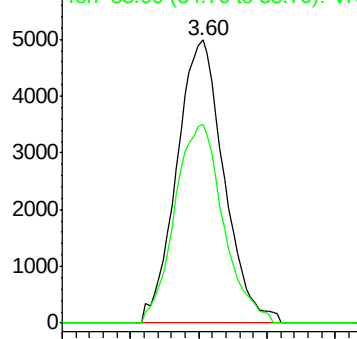
MMDadoda

6/12/2019 11:11:26 AM

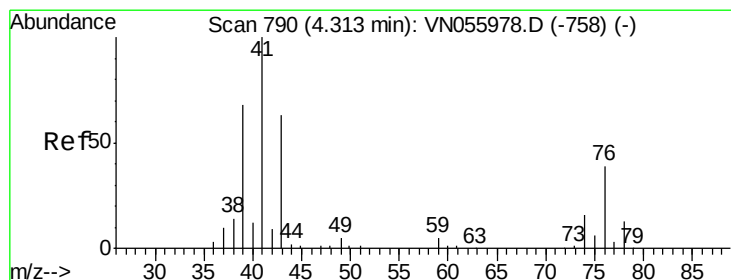
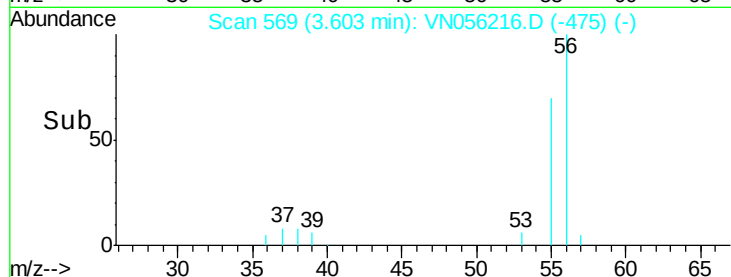


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.329 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

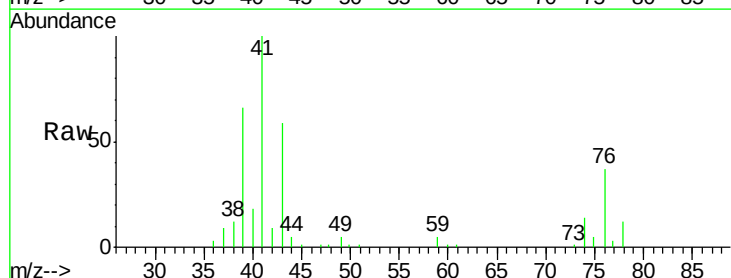
Tgt Ion: 41 Resp: 72293

Ion Ratio Lower Upper

41 100

39 61.8 50.0 75.0

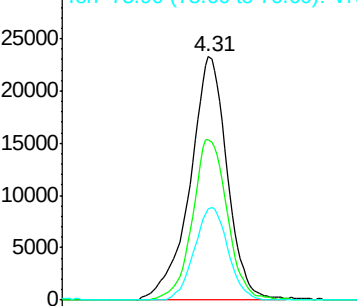
76 34.4 28.2 42.2



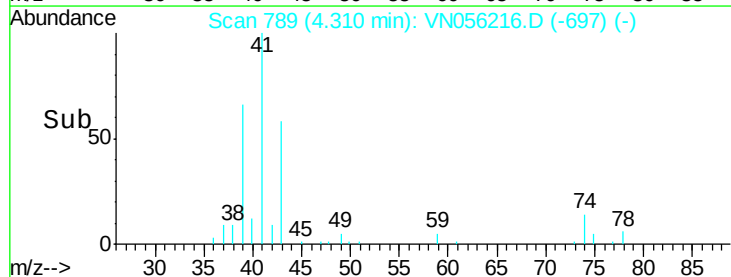
Abundance Ion 41.00 (40.70 to 41.70): VN0

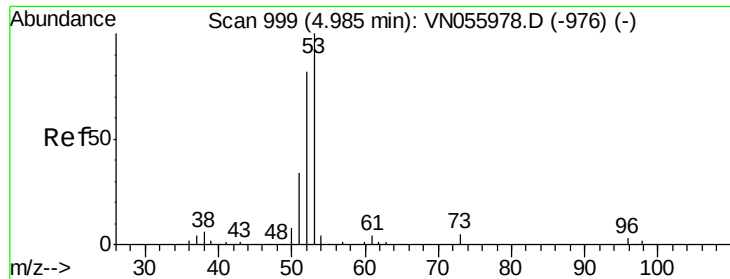
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 109.998 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

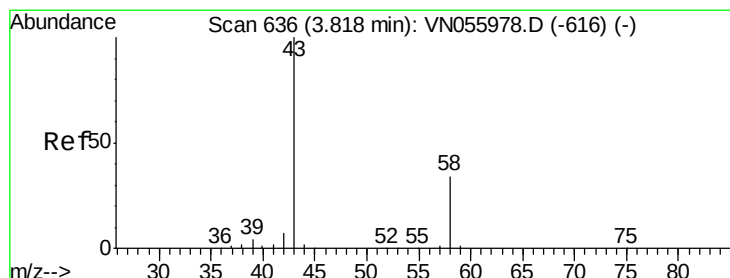
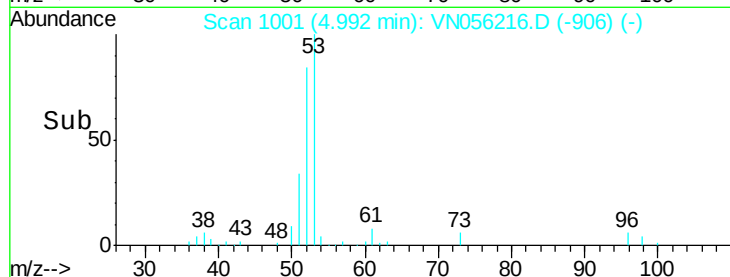
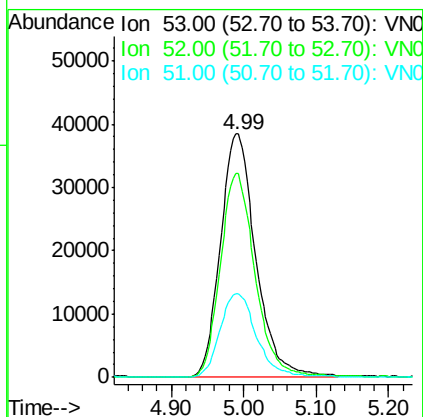
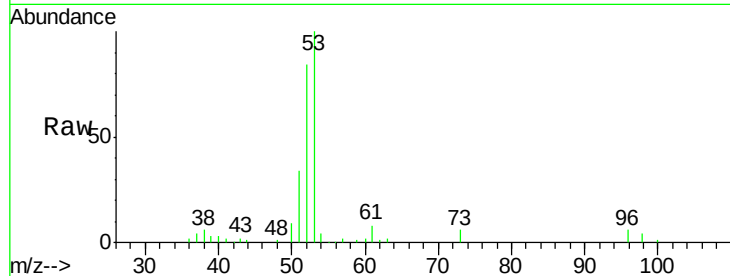
ClientSampleId :

VN0611WBS01

Tot Ion:	53	Resp:	130545
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 90.509 ug/l

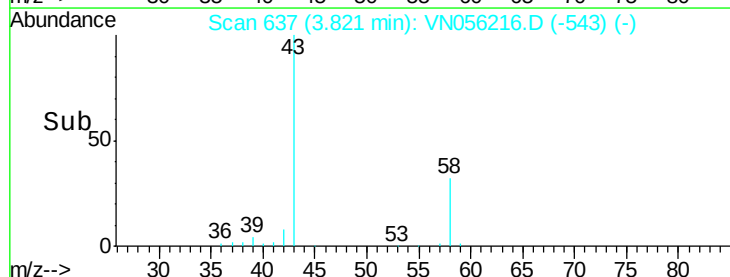
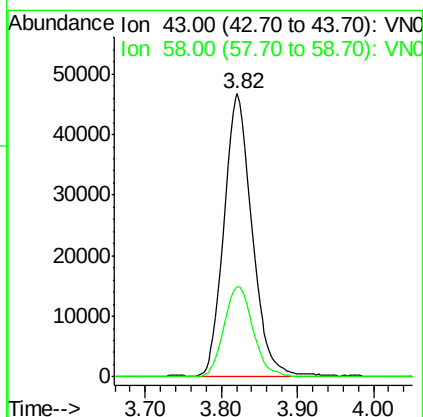
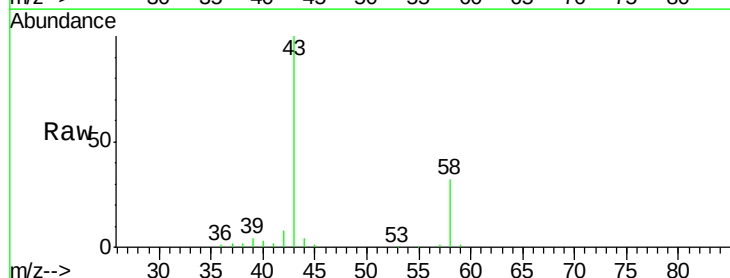
RT: 3.82 min Scan# 637

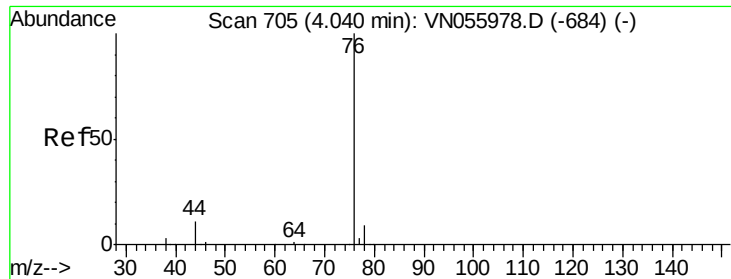
Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion:	43	Resp:	121273
Ion Ratio	Lower	Upper	
43	100		
58	32.0	26.6	39.8





#17

Carbon Disulfide

Concen: 17.610 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 76 Resp: 99876

Ion Ratio Lower Upper

76 100

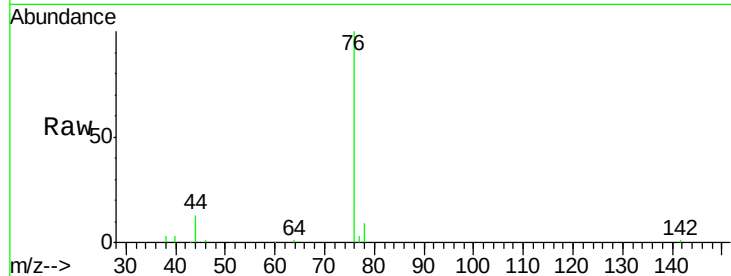
78 9.3 7.4 11.2

Manual Integrations

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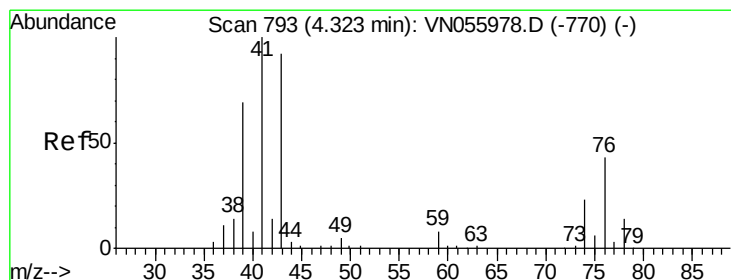
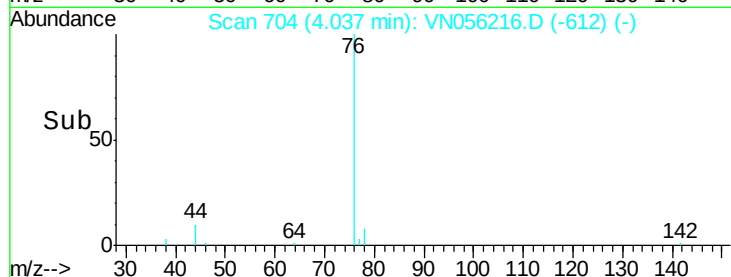
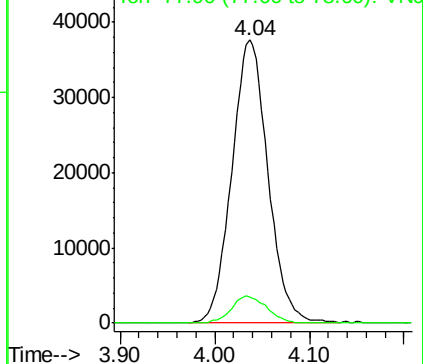
MMDadoda

6/12/2019 11:11:26 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.654 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056216.D

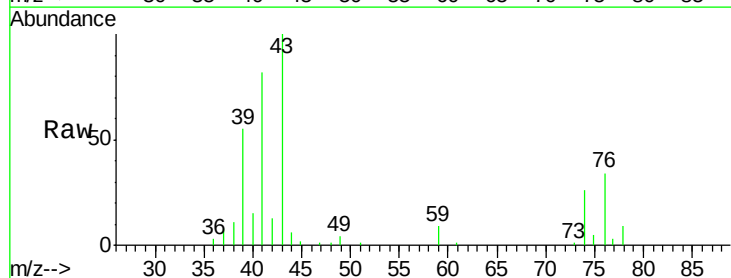
Acq: 11 Jun 2019 12:16

Tgt Ion: 43 Resp: 60457

Ion Ratio Lower Upper

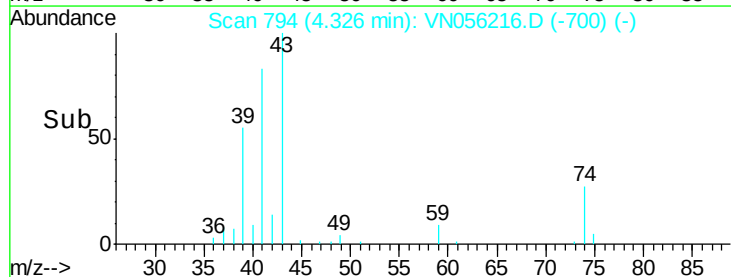
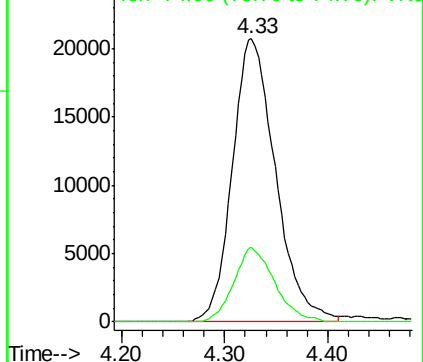
43 100

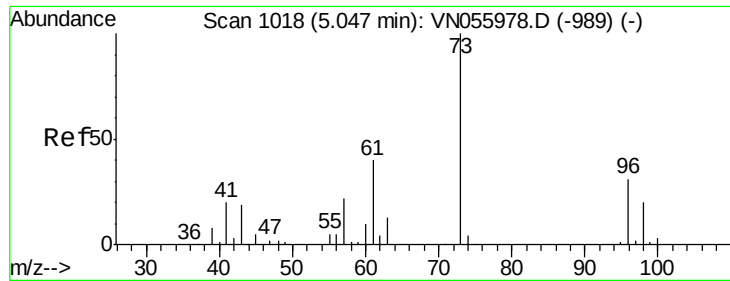
74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





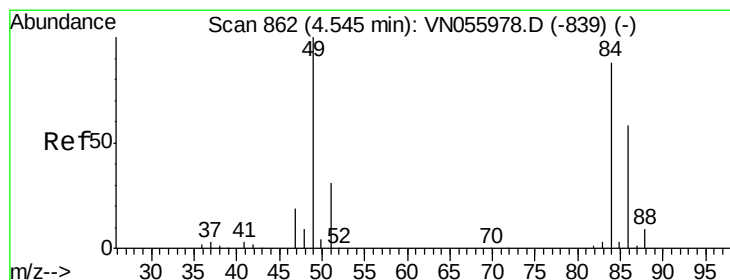
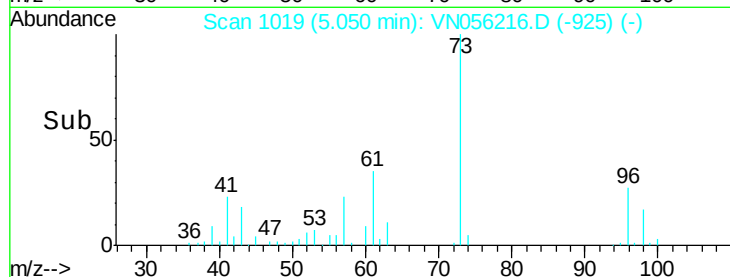
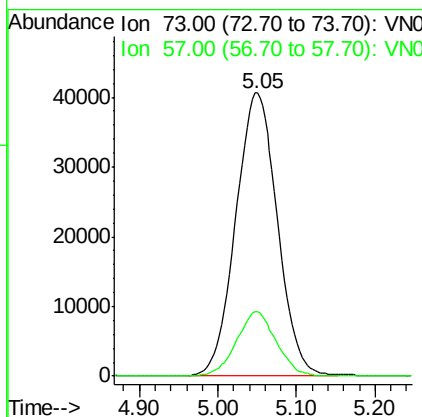
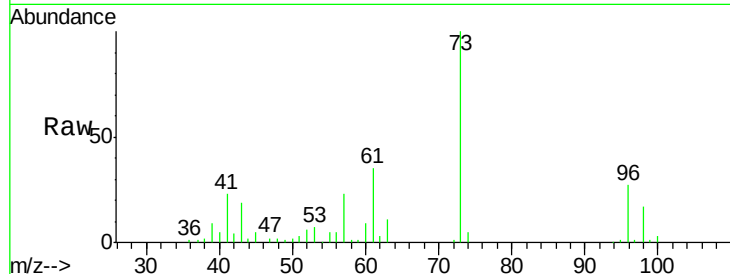
#19
Methyl tert-butyl Ether
Concen: 19.975 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion: 73 Resp: 150815
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8

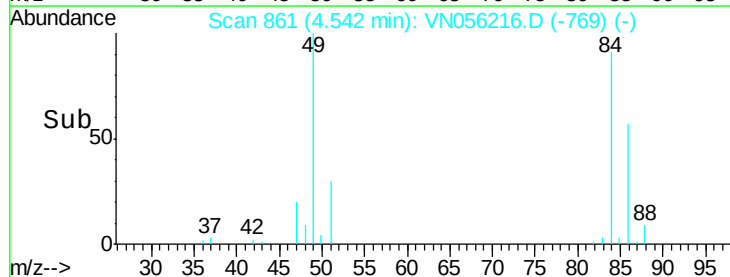
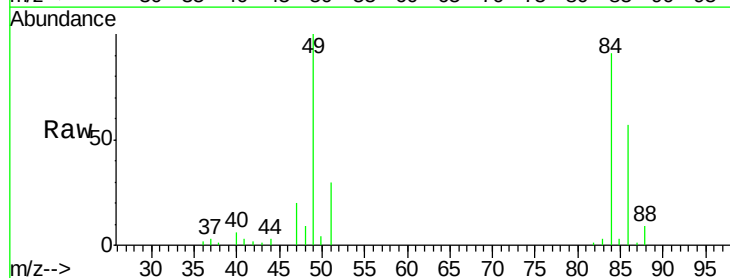
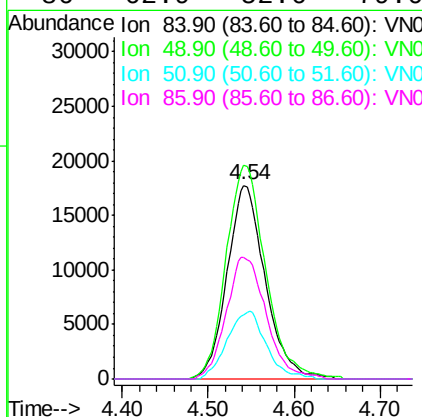
Manual Integrations
APPROVED

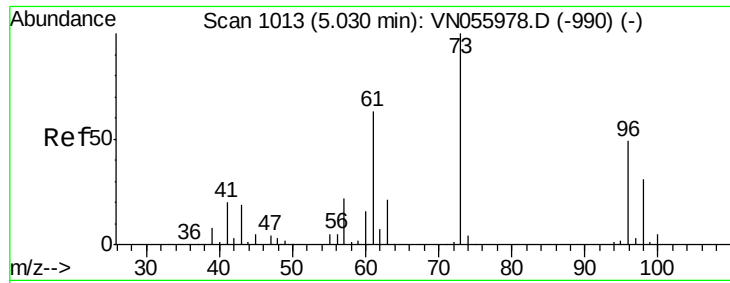
MMDadoda
6/12/2019 11:11:26 AM



#20
Methylene Chloride
Concen: 19.797 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 84 Resp: 54650
Ion Ratio Lower Upper
84 100
49 110.2 93.5 140.3
51 33.0 28.6 43.0
86 62.9 52.6 79.0





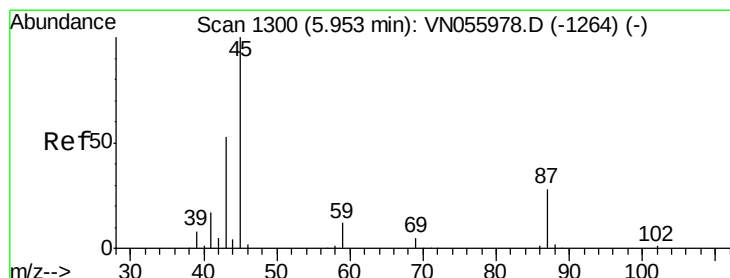
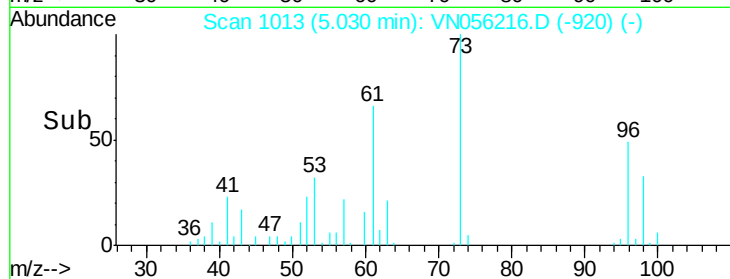
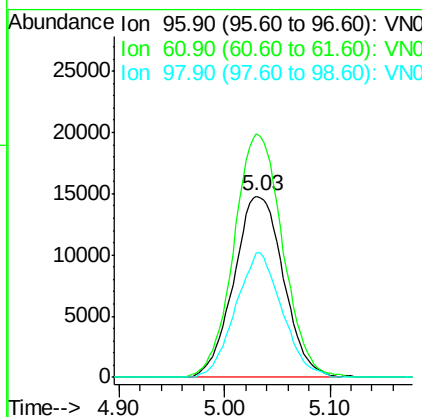
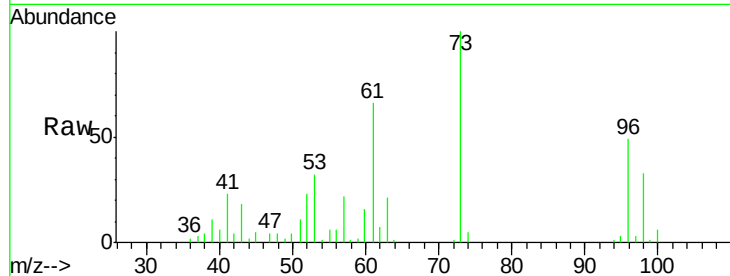
#21
trans-1,2-Dichloroethene
Concen: 19.067 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	107.8	161.8
98	68.6	49.8	74.8

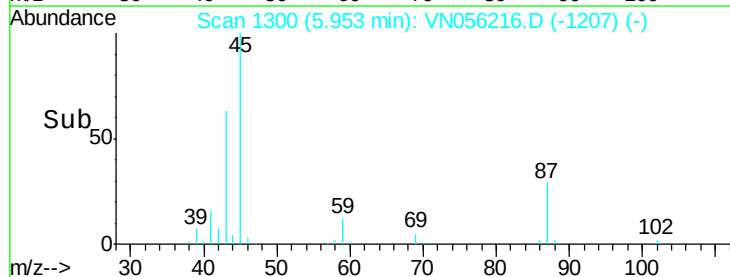
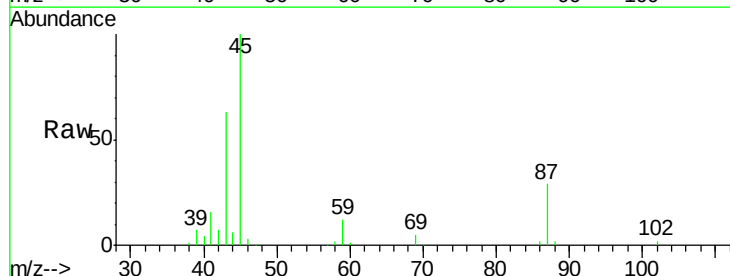
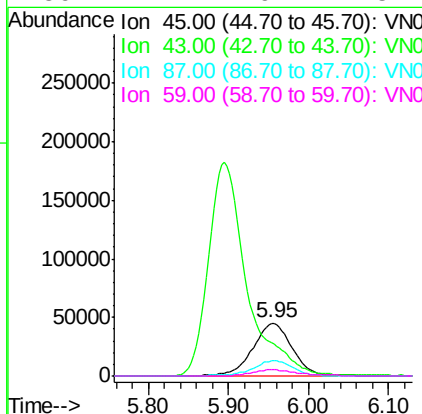
Manual Integrations
APPROVED

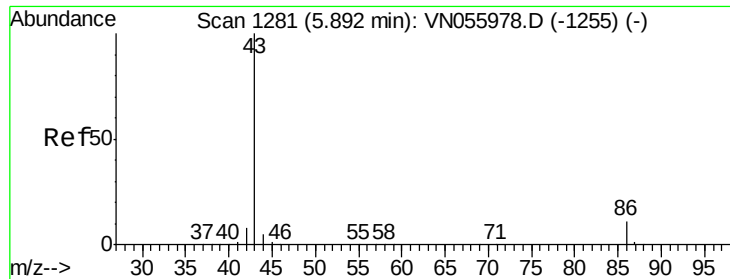
MMDadoda
6/12/2019 11:11:26 AM



#22
Diisopropyl ether
Concen: 19.730 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	45.0	67.6
87	28.1	22.2	33.4
59	12.1	9.1	13.7





#23

Vinyl Acetate

Concen: 99.736 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 43 Resp: 607256

Ion Ratio Lower Upper

43 100

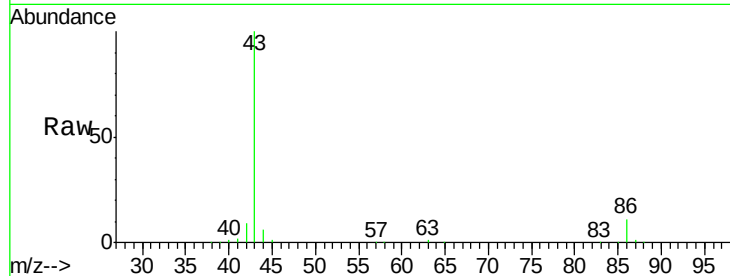
86 11.1 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

6/12/2019 11:11:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

200000

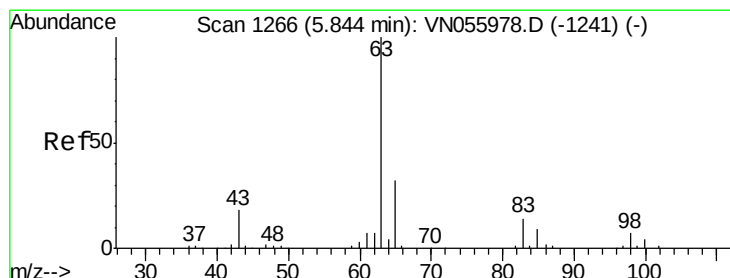
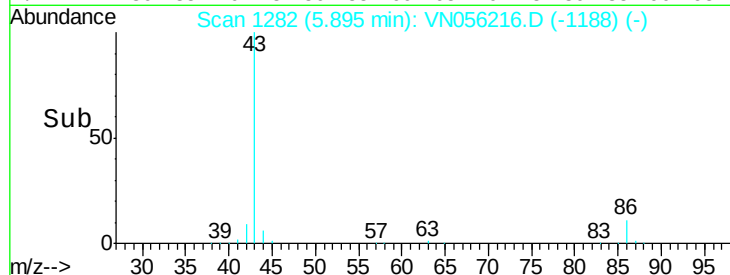
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.141 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

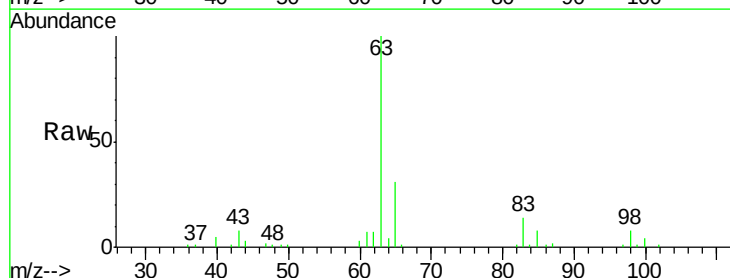
Tgt Ion: 63 Resp: 89828

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.84

40000

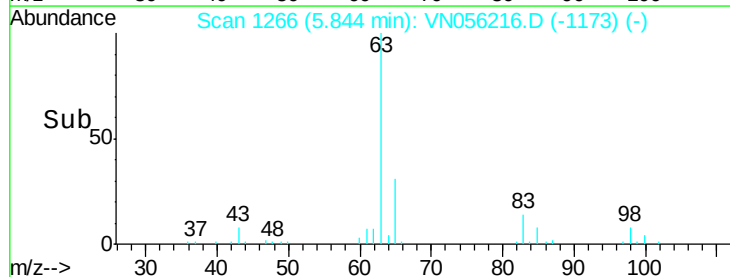
30000

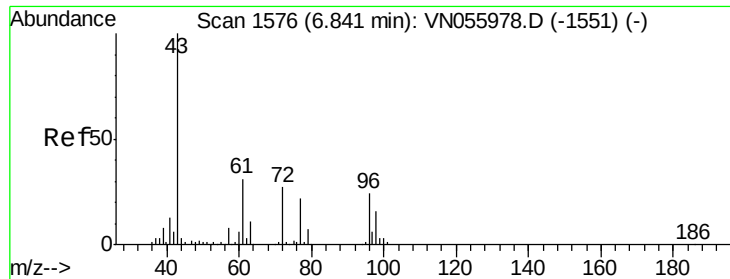
20000

10000

0

Time-->





#25

2-Butanone

Concen: 104.593 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion: 43 Resp: 177067

Ion Ratio Lower Upper

43 100

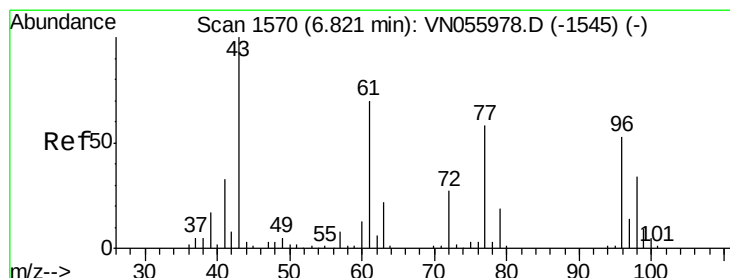
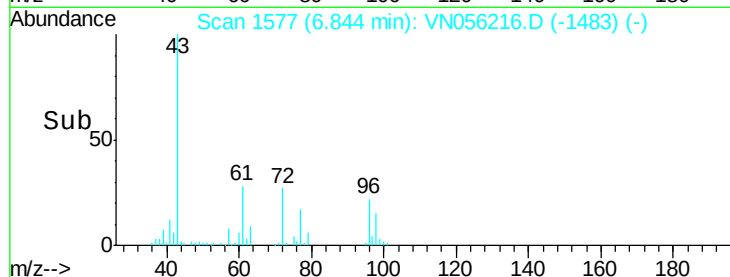
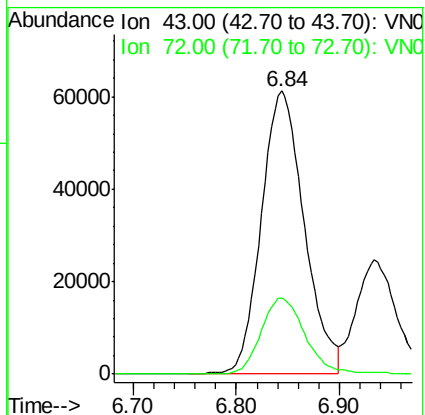
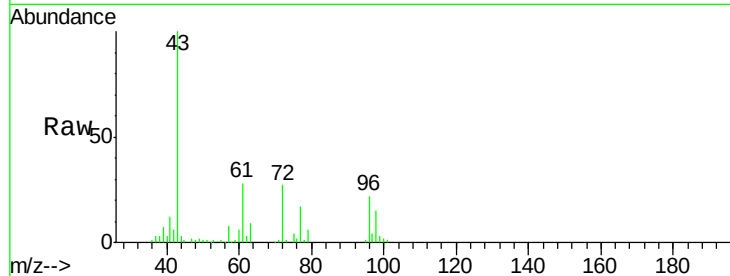
72 27.0 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.048 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056216.D

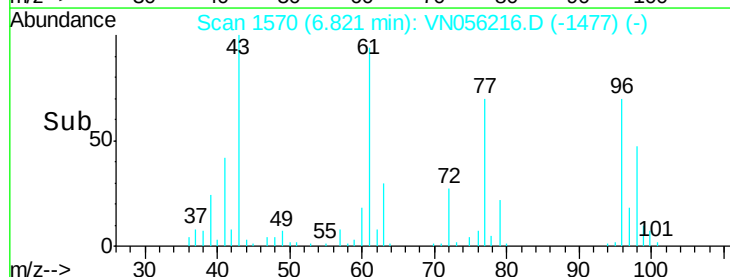
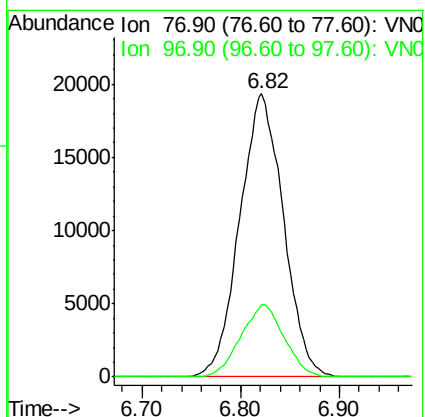
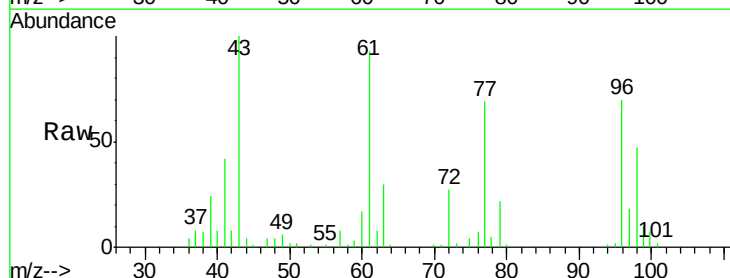
Acq: 11 Jun 2019 12:16

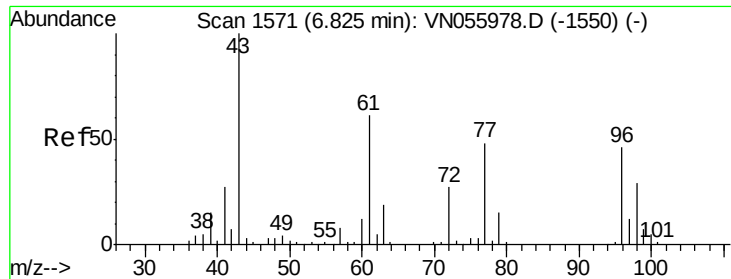
Tgt Ion: 77 Resp: 59328

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.878 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

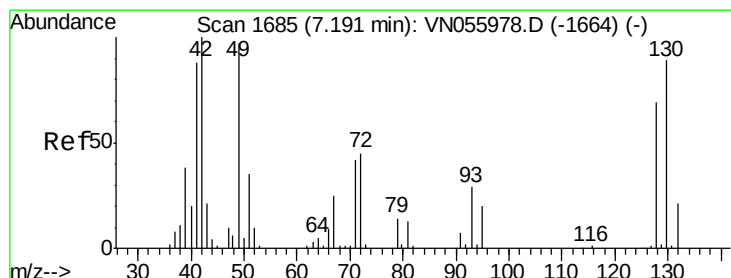
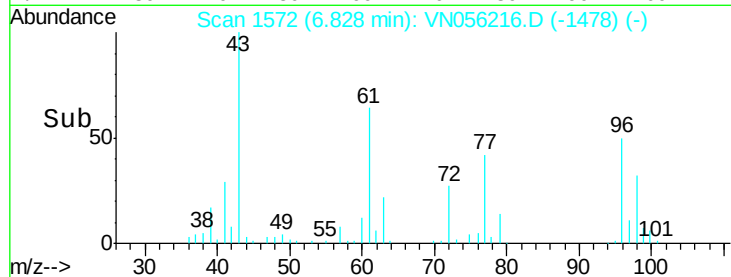
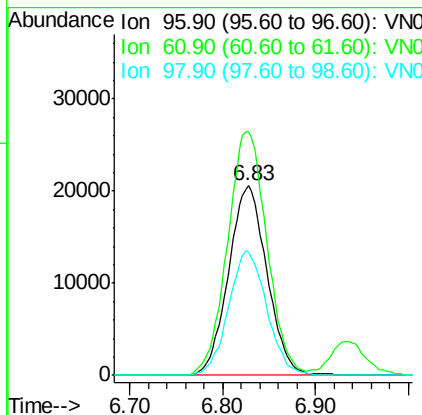
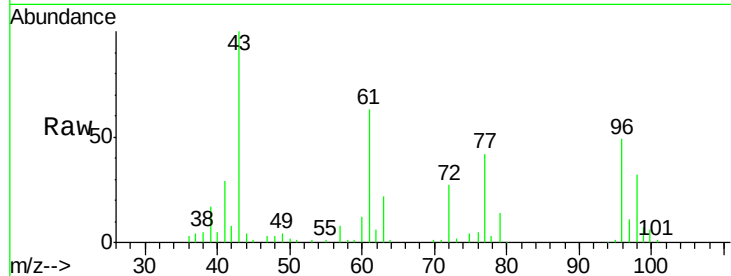
ClientSampleId :

VN0611WBS01

Tot Ion:	96	Resp:	59301
Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	275.8
98	64.8	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 21.528 ug/l

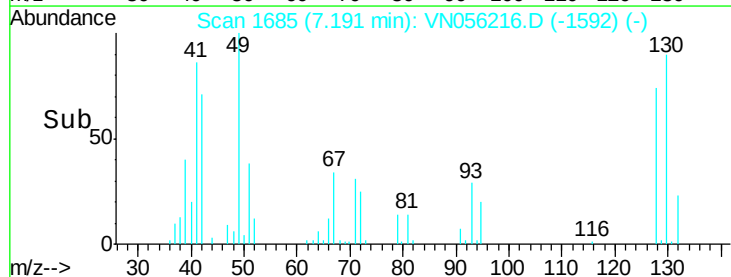
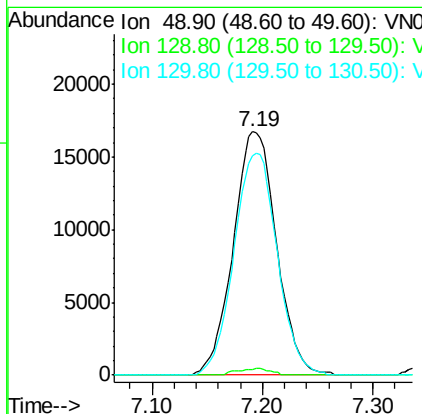
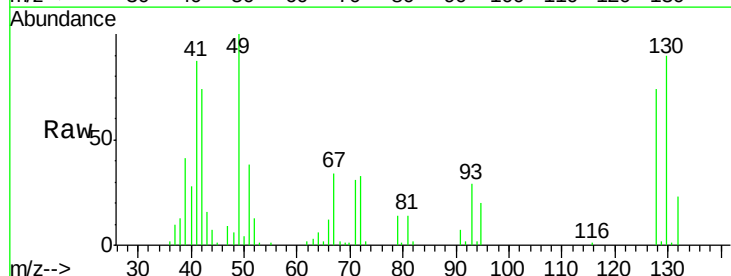
RT: 7.19 min Scan# 1685

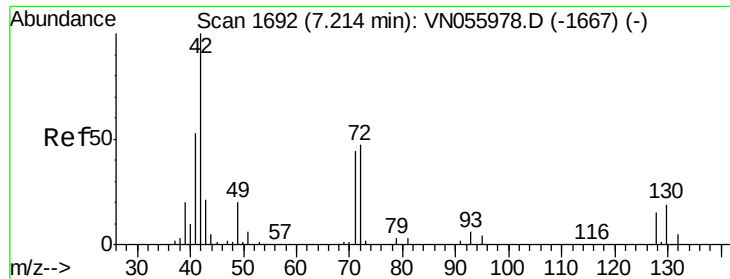
Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion:	49	Resp:	45404
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	91.4	71.2	106.8





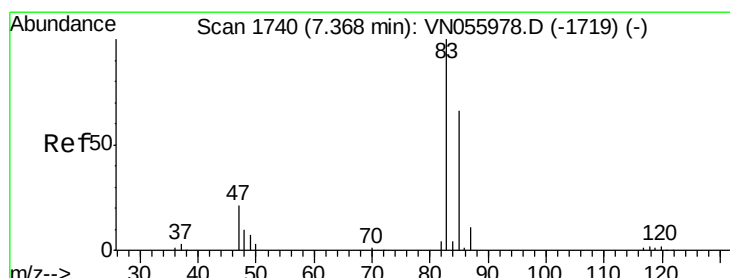
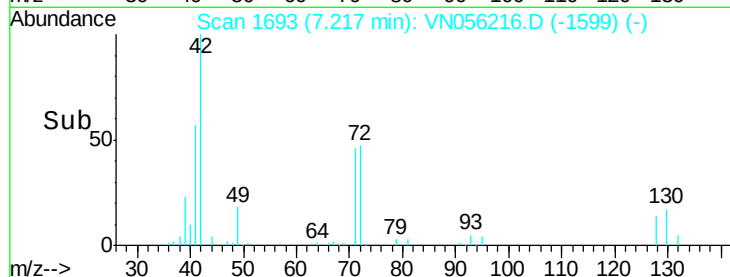
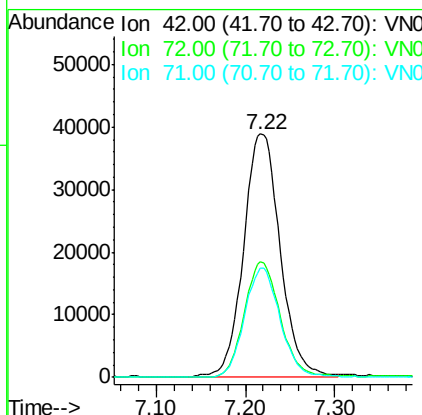
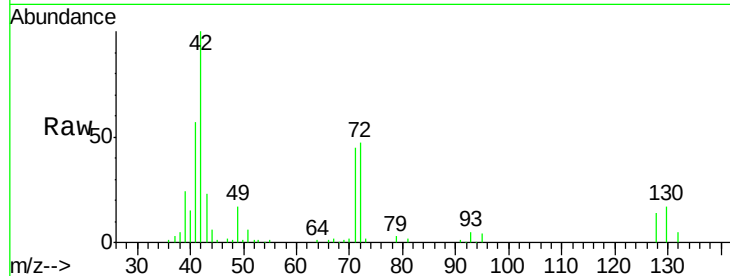
#29
Tetrahydrofuran
Concen: 106.650 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.9	53.9
71	43.6	34.0	51.0

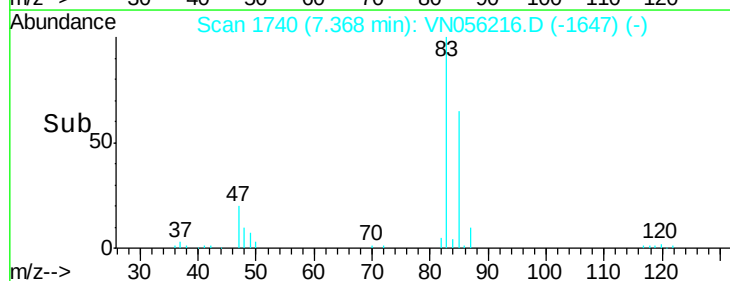
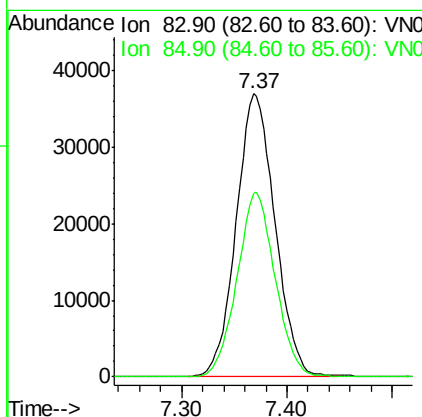
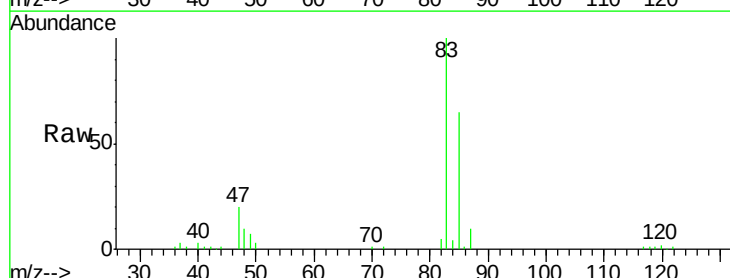
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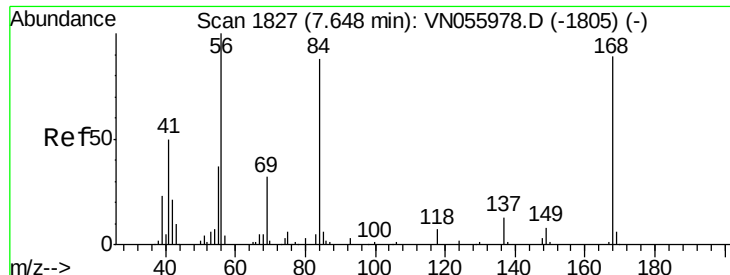
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#30
Chloroform
Concen: 21.033 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





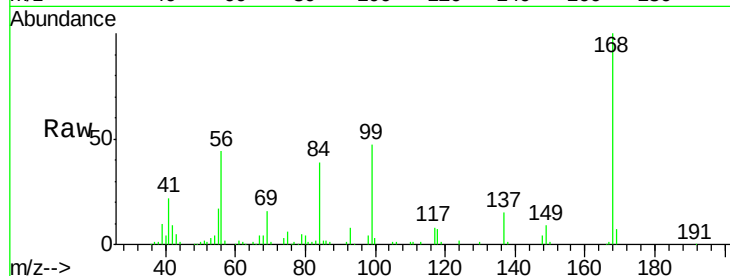
#31
Cyclohexane
Concen: 18.030 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.6	38.4
84	88.3	67.4	101.0

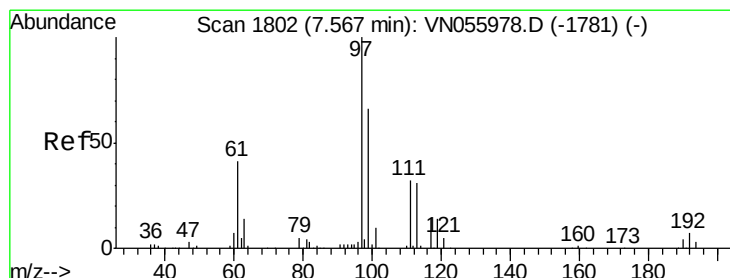
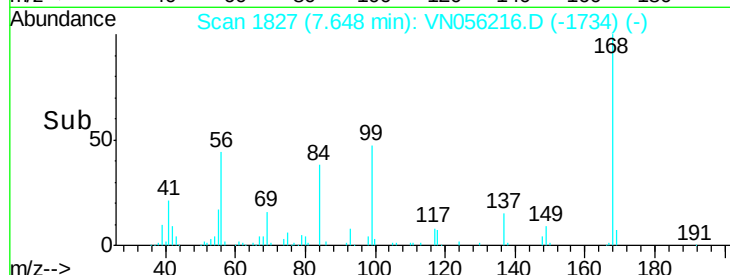
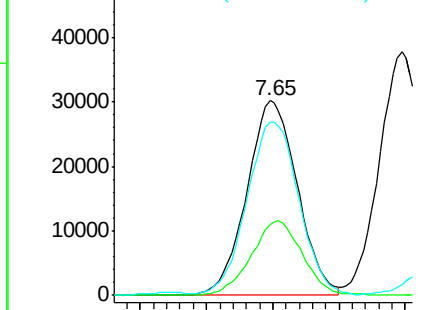
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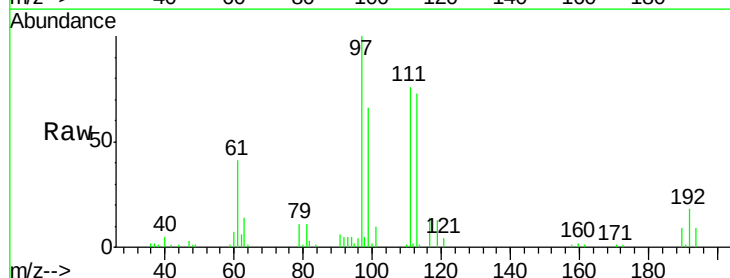
Abundance

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



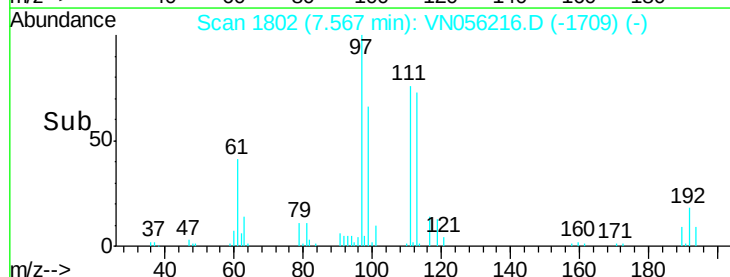
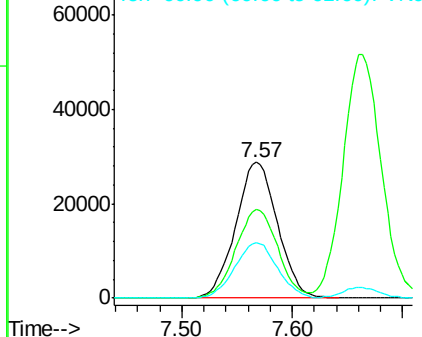
#32
1,1,1-Trichloroethane
Concen: 20.193 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

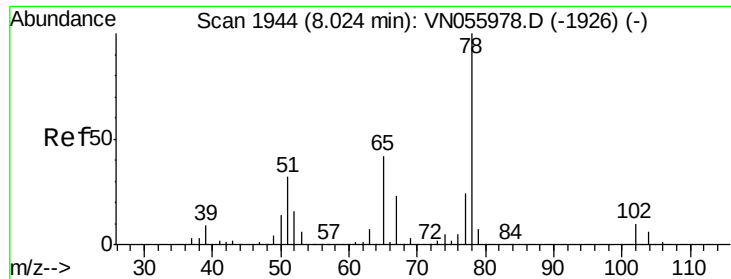
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	41.6	32.9	49.3



Abundance

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





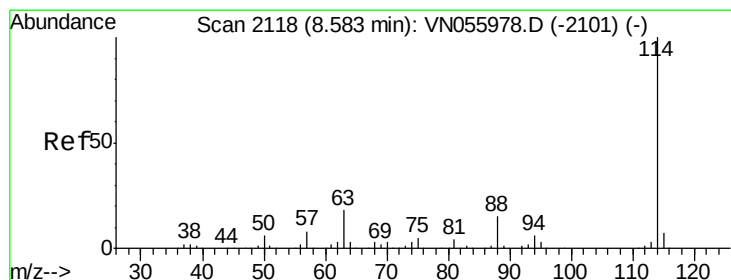
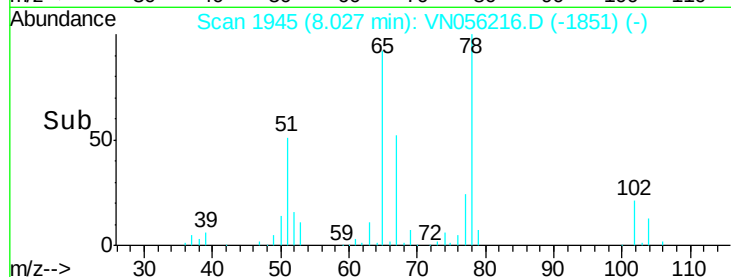
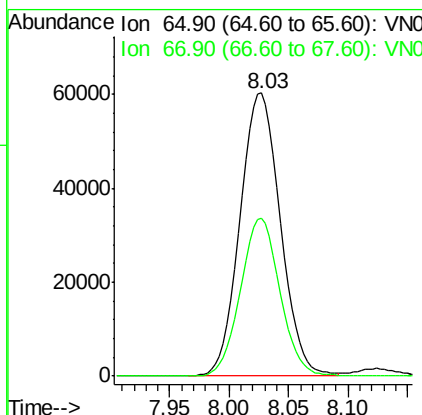
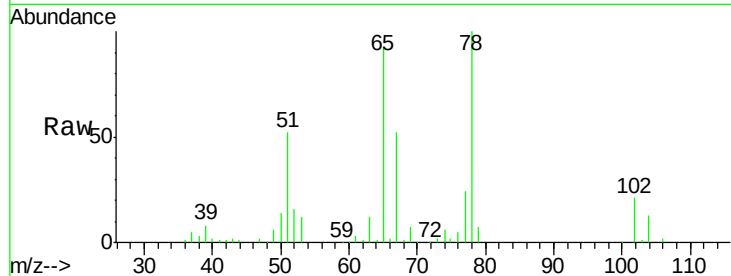
#33
 1,2-Dichloroethane-d4
 Concen: 50.711 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142071		
67	54.4	0.0	109.2	

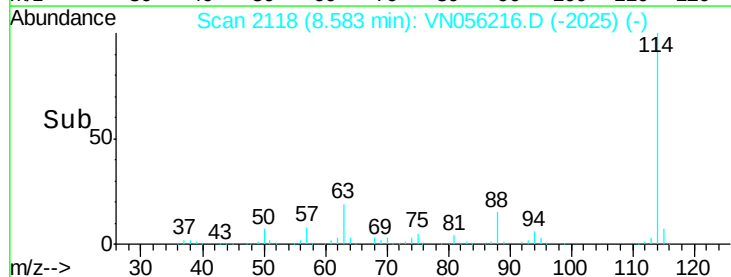
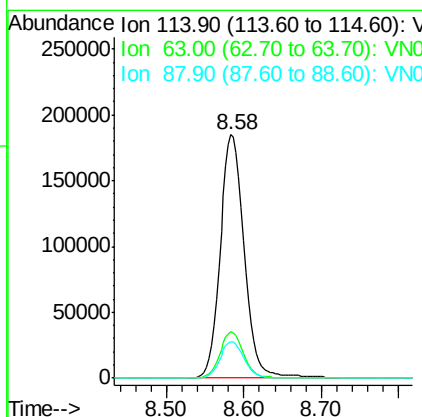
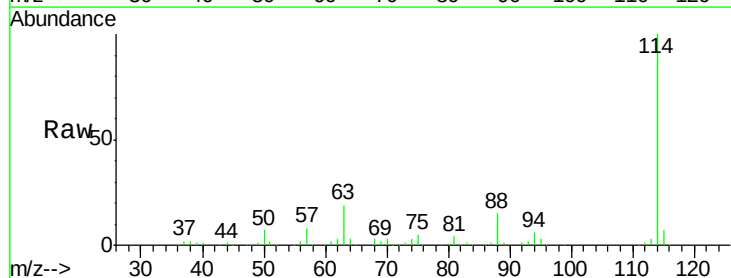
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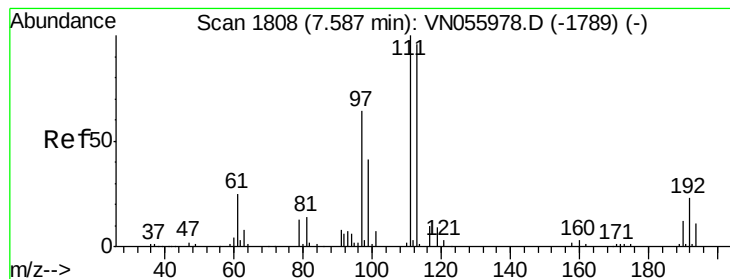
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 6/12/2019 11:11:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400252		
63	18.9	0.0	39.2	
88	15.1	0.0	31.0	





#35

Dibromofluoromethane

Concen: 52.506 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

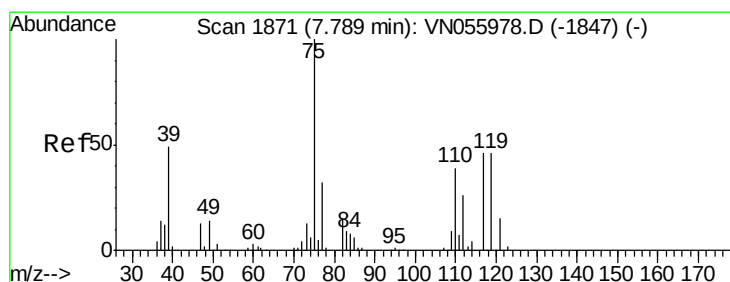
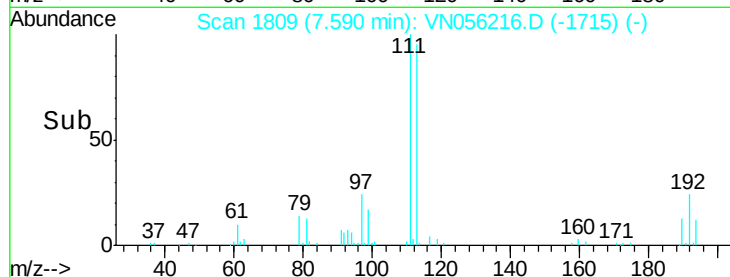
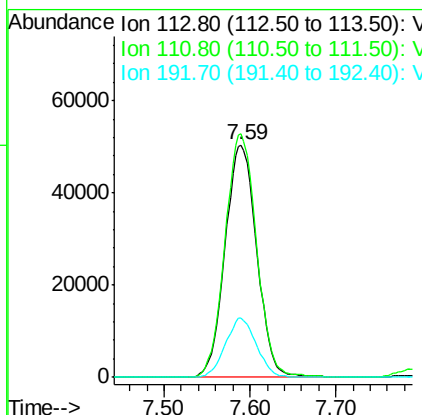
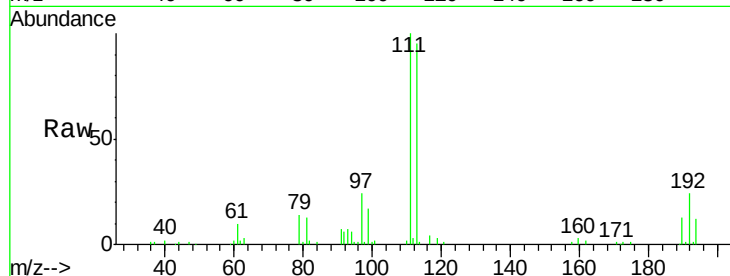
ClientSampled :

VN0611WBS01

Tot Ion:	113	Resp:	128939
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.9	122.9
192	24.8	19.5	29.3

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6/12/2019 11:11:26 AM



#36

1,1-Dichloropropene

Concen: 18.787 ug/l

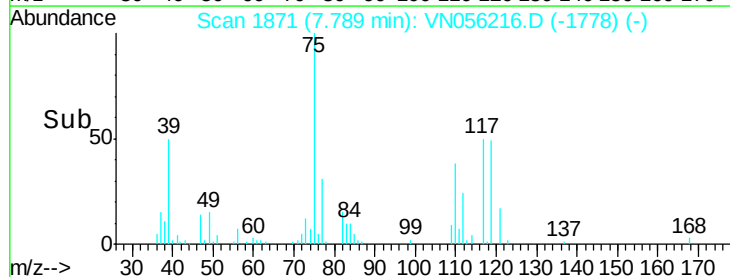
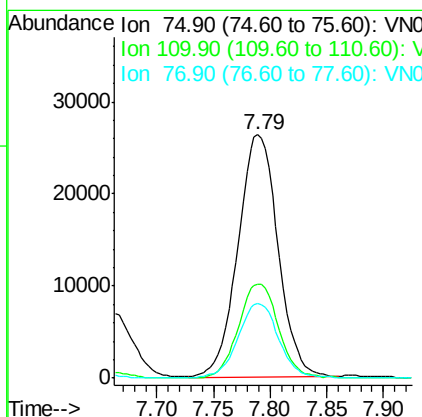
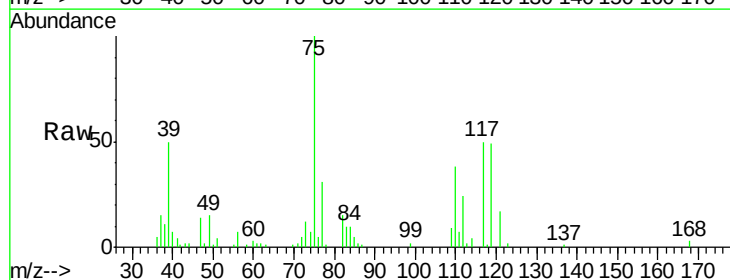
RT: 7.79 min Scan# 1871

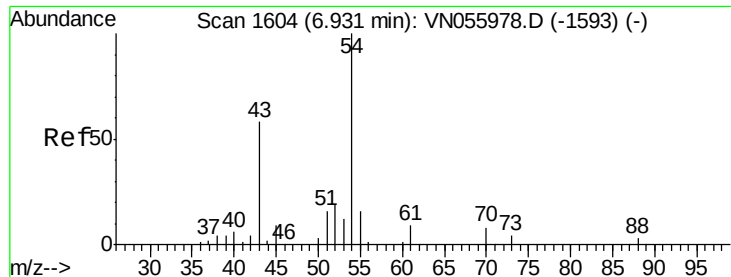
Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion:	75	Resp:	64658
Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.0	57.0
77	31.4	25.1	37.7





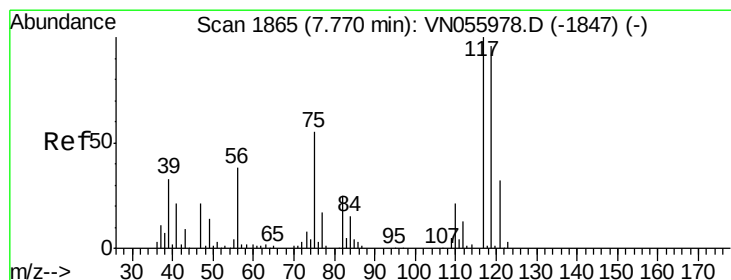
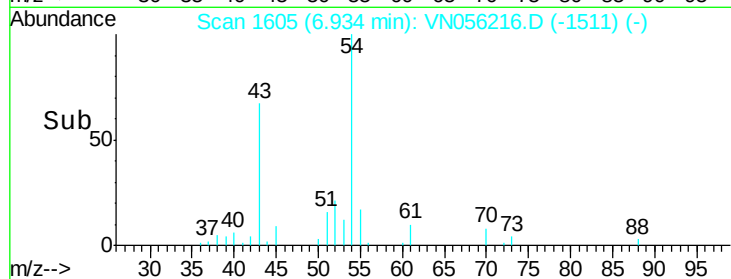
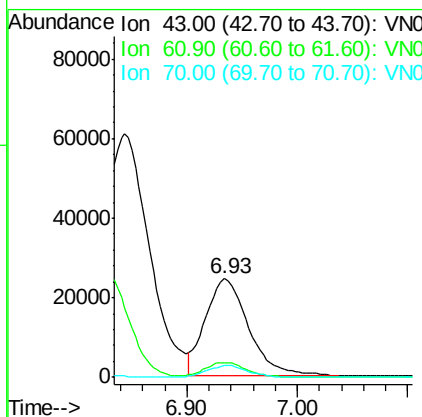
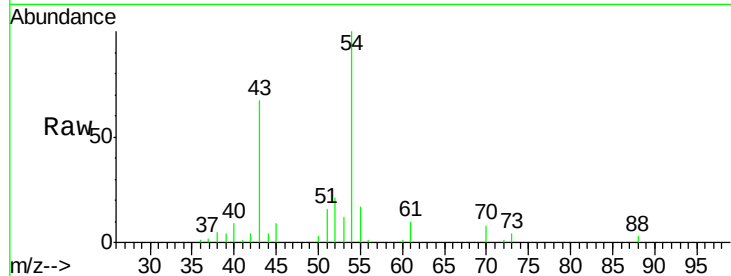
#37
Ethyl Acetate
Concen: 21.617 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.2
70	11.4	8.9	13.3

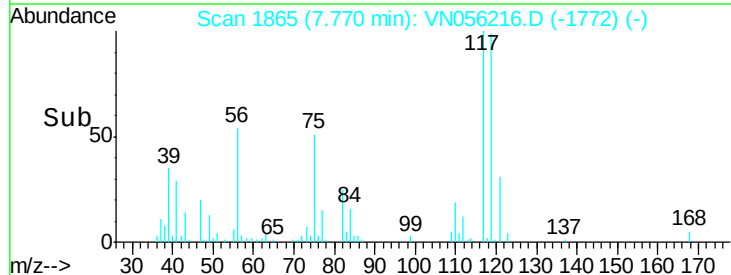
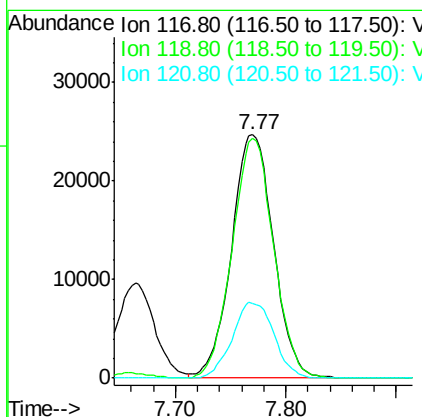
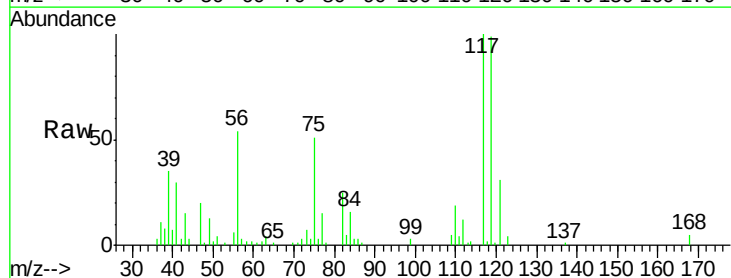
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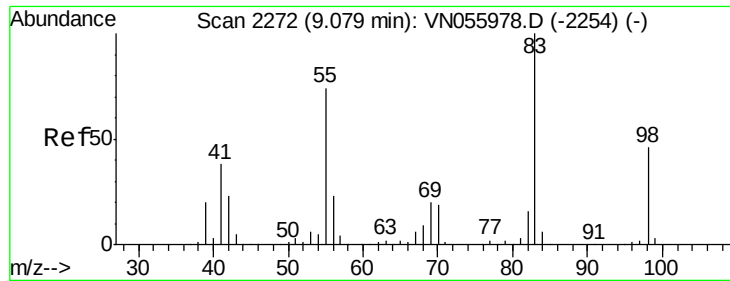
MMDadoda
6/12/2019 11:11:26 AM



#38
Carbon Tetrachloride
Concen: 20.542 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	79.0	118.6
121	30.8	24.7	37.1





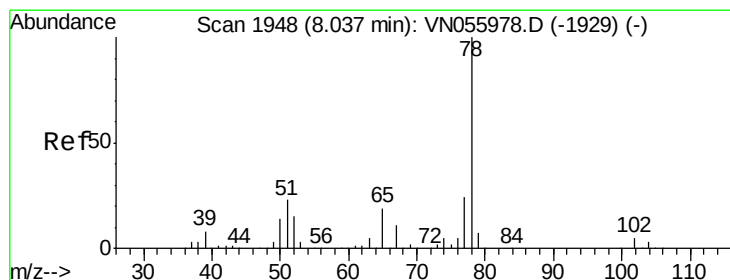
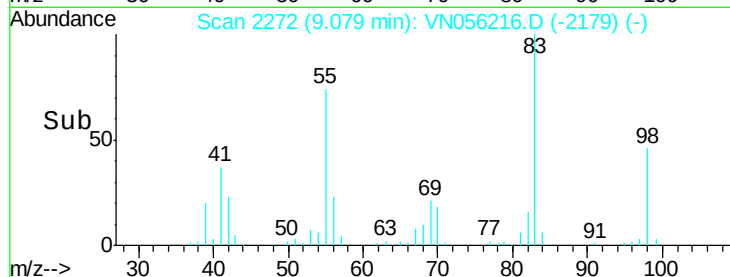
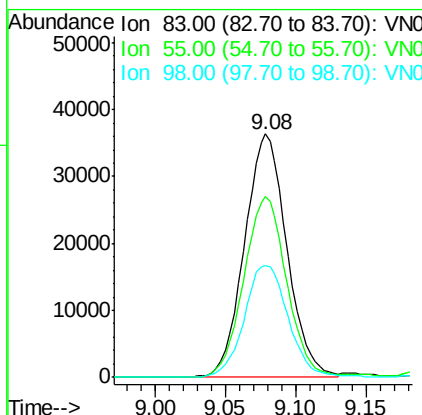
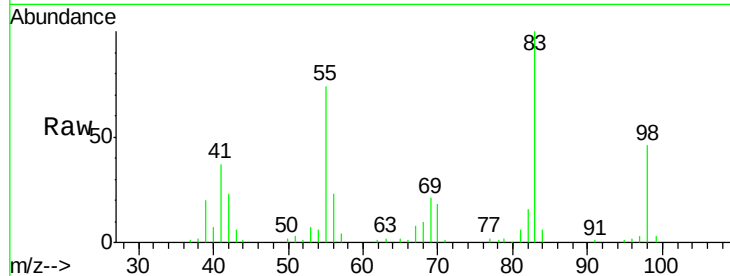
#39
Methylvlcyclohexane
Concen: 17.777 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.3	88.9
98	46.0	36.6	54.8

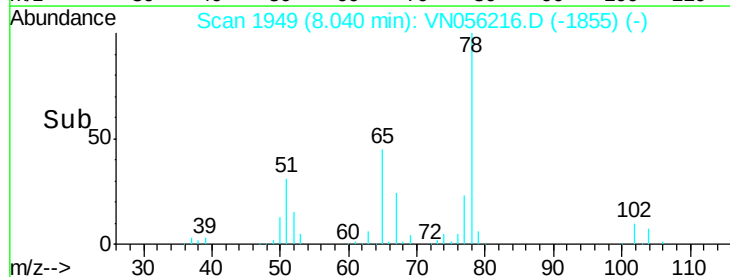
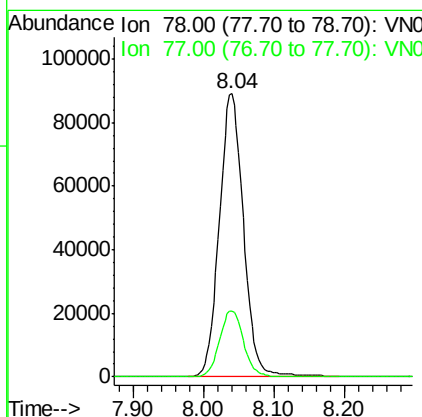
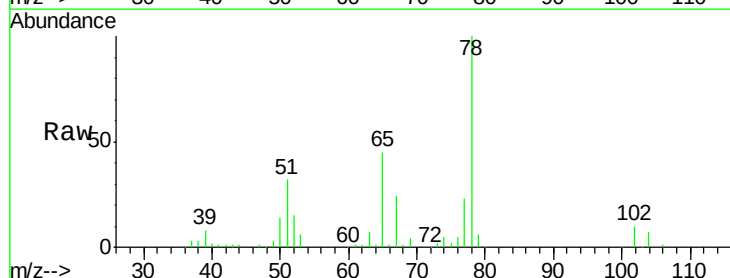
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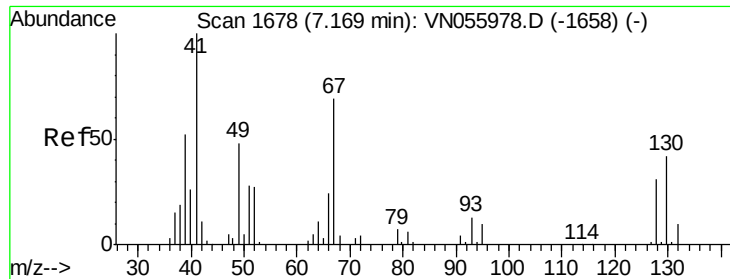
MMDadoda
6/12/2019 11:11:26 AM



#40
Benzene
Concen: 20.461 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





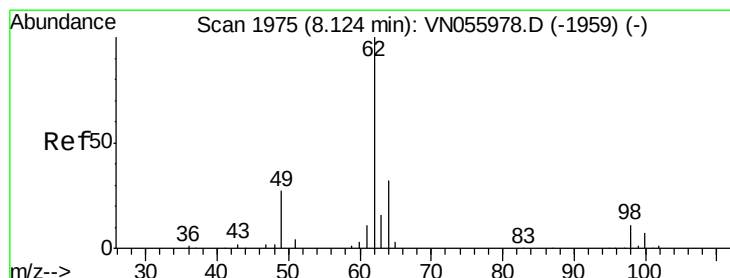
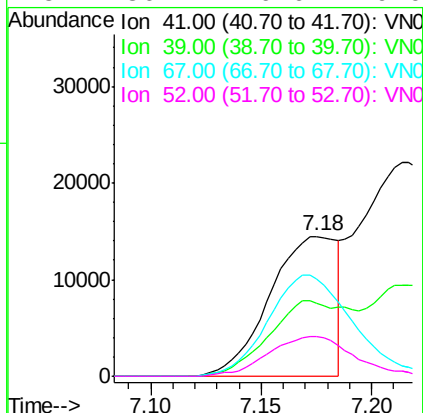
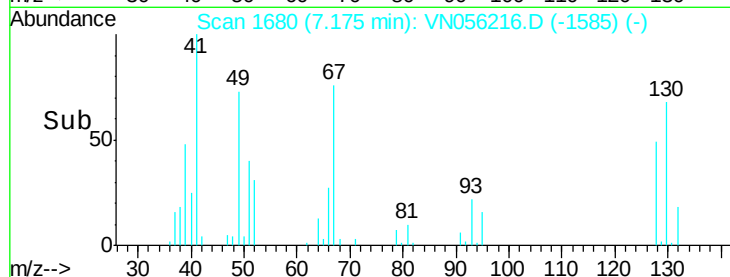
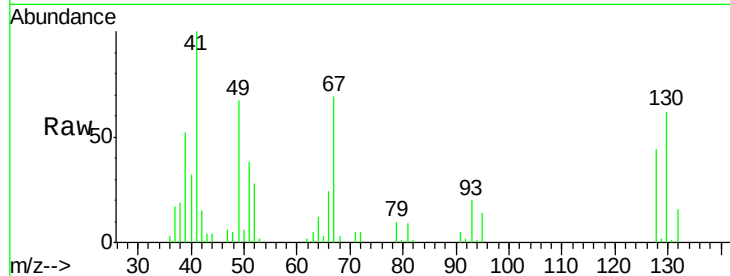
#41
Methacrylonitrile
Concen: 21.737 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

Tot Ion	41	Resp	30626
Ion Ratio	Lower	Upper	
41	100		
39	66.2	45.6	68.4
67	92.2	67.7	101.5
52	36.7	26.6	40.0

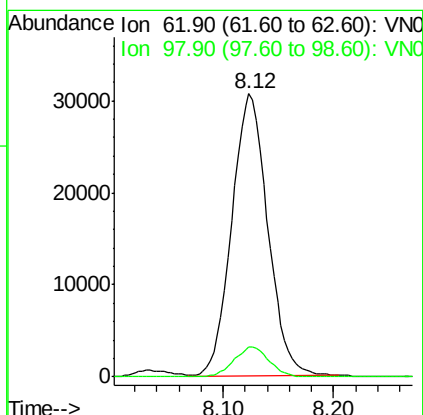
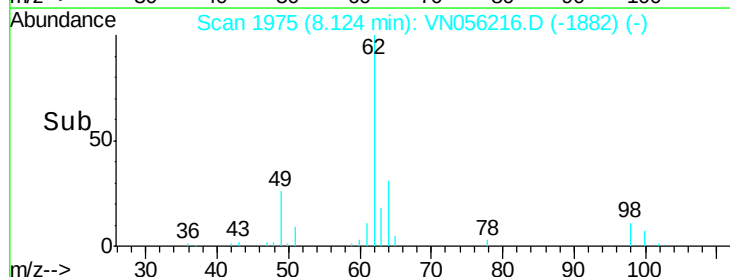
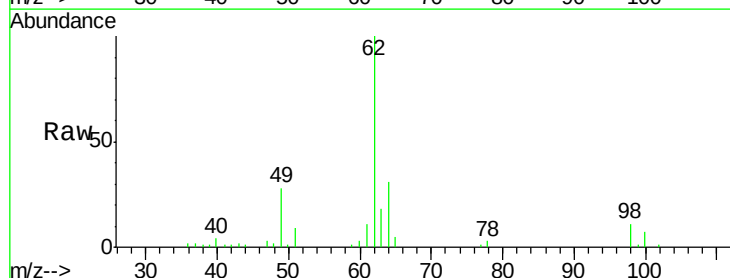
Manual Integrations
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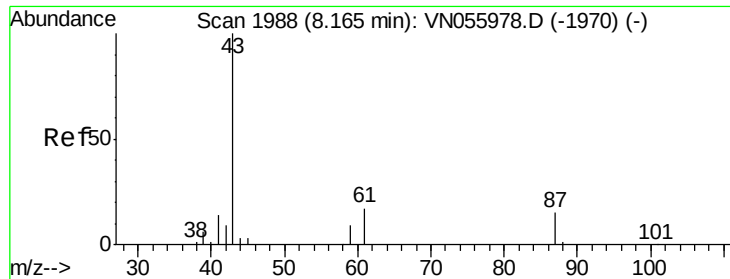
MMDadoda
6/12/2019 11:11:26 AM



#42
1,2-Dichloroethane
Concen: 20.625 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	62	Resp	69348
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	20.2





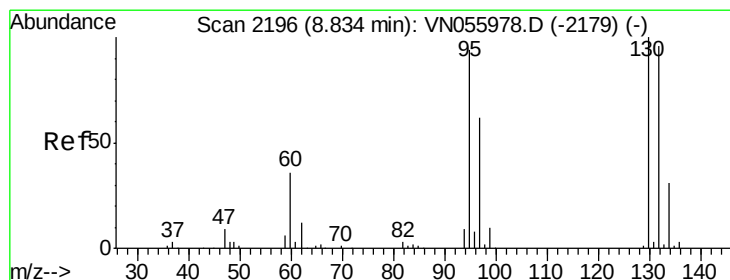
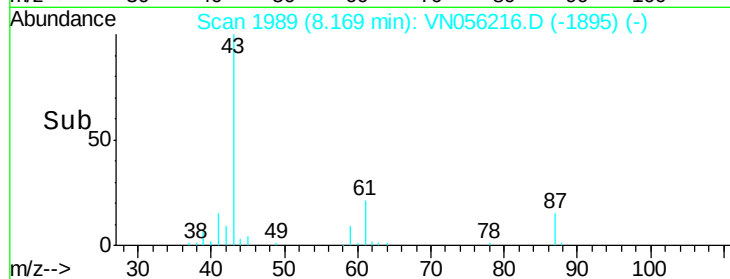
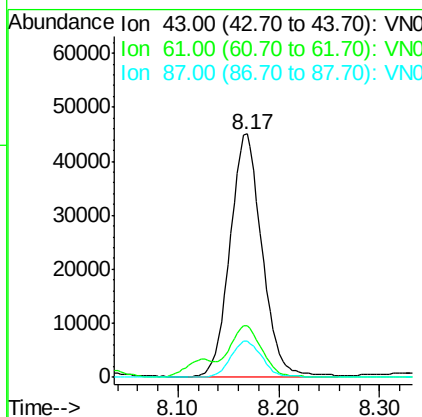
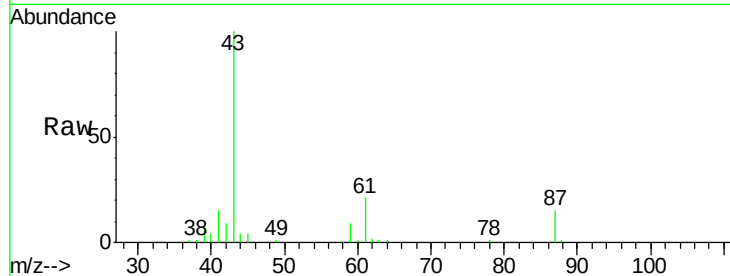
#43
Isopropyl Acetate
Concen: 20.142 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	43	61	87
Resp	99946		
Ratio	100	21.1	14.6
Lower		22.2	11.4
Upper		33.4	17.2

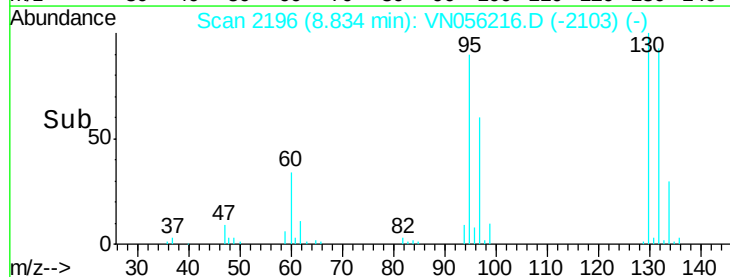
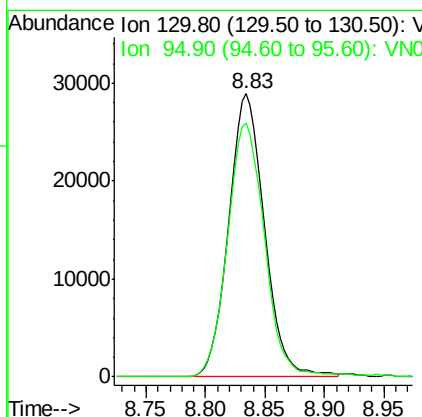
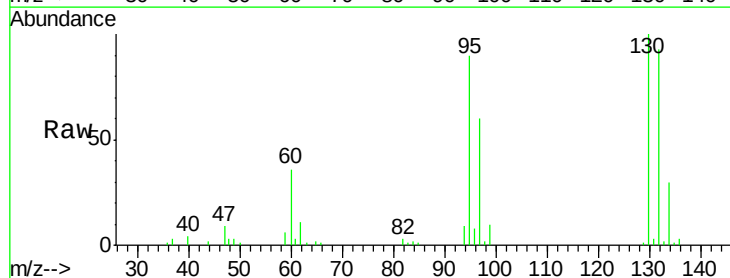
Manual Integrations
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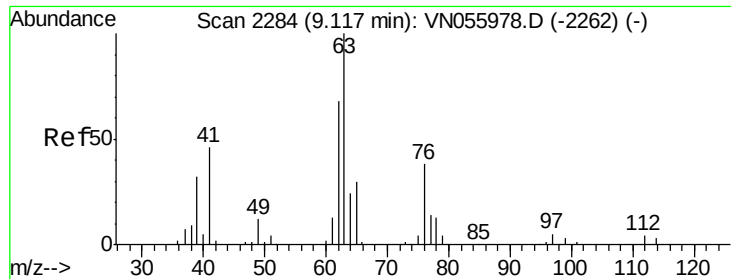
MMDadoda
6/12/2019 11:11:26 AM



#44
Trichloroethene
Concen: 20.111 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	130	95
Resp	60405	
Ratio	100	89.6
Lower		0.0
Upper		188.0





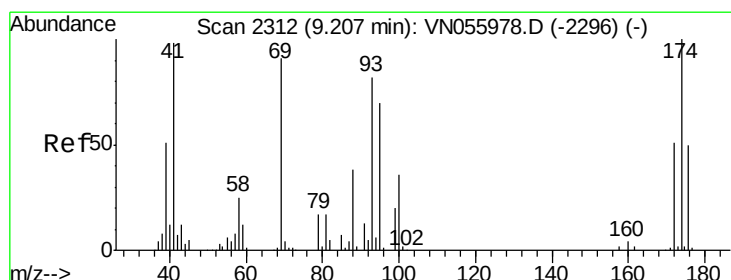
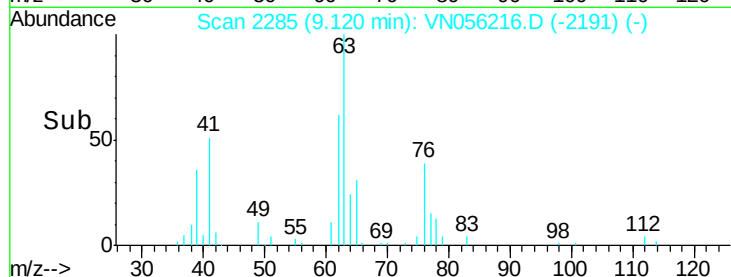
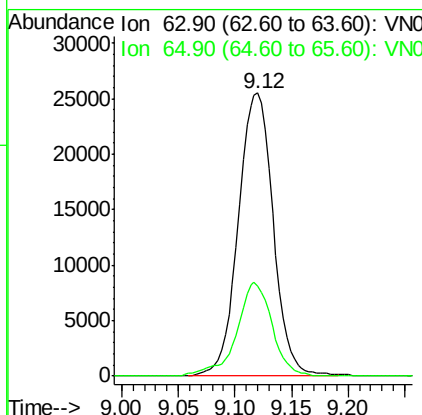
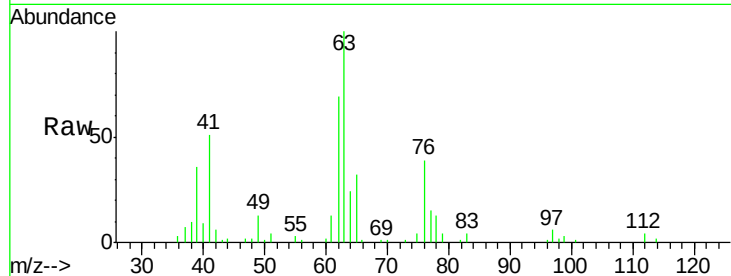
#45
 1,2-Dichloropropane
 Concen: 20.513 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0611WBS01

Tot Ion: 63 Resp: 54922
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 36.8

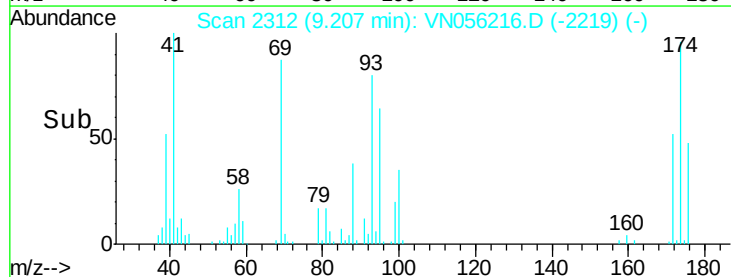
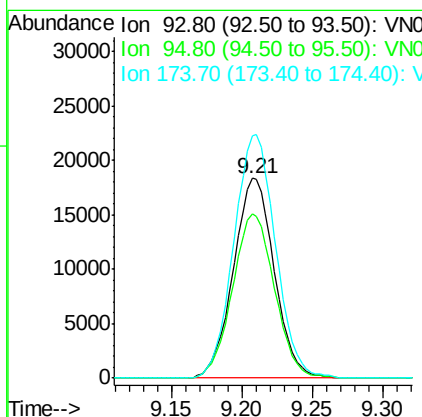
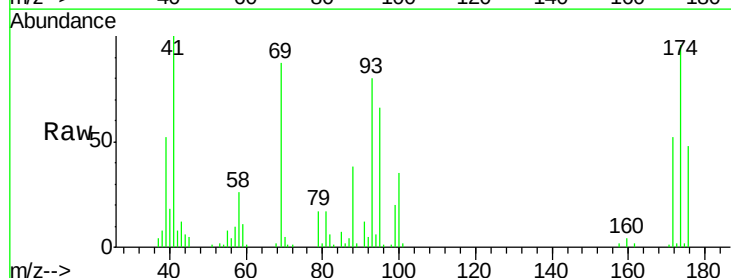
Manual Integrations
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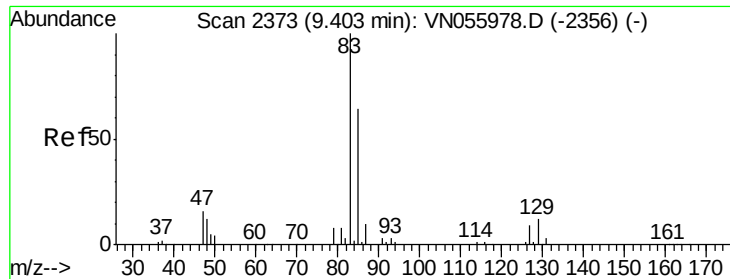
MMDadoda
 6/12/2019 11:11:26 AM



#46
 Dibromomethane
 Concen: 21.322 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 93 Resp: 37331
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 124.1 96.4 144.6





#47

Bromodichloromethane

Concen: 21.583 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

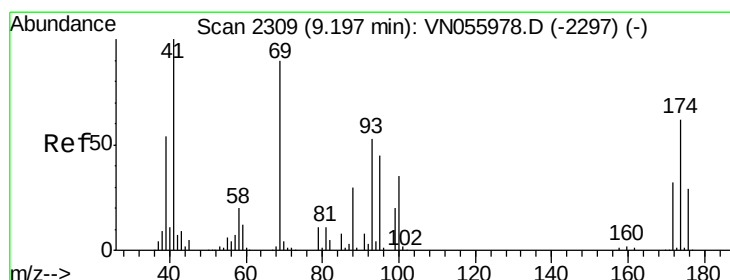
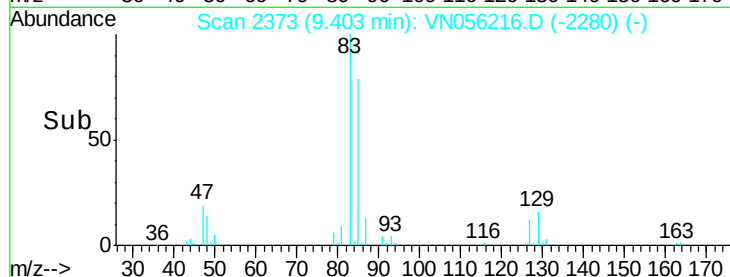
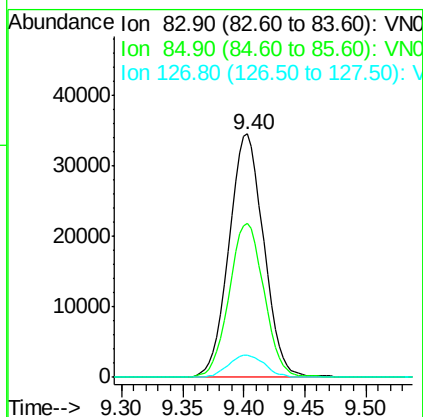
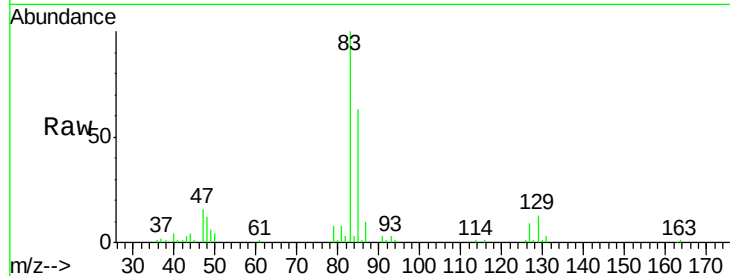
ClientSampleId :

VN0611WBS01

Tot Ion:	83	Resp:	68489
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.2	78.2
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.540 ug/l

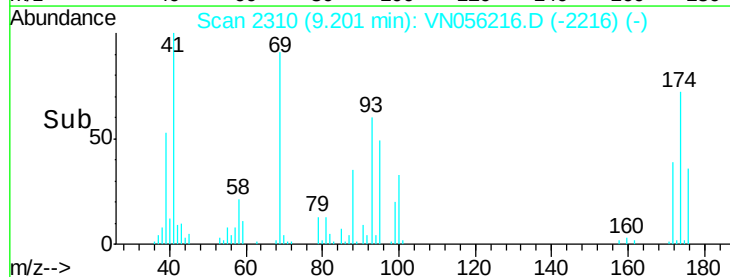
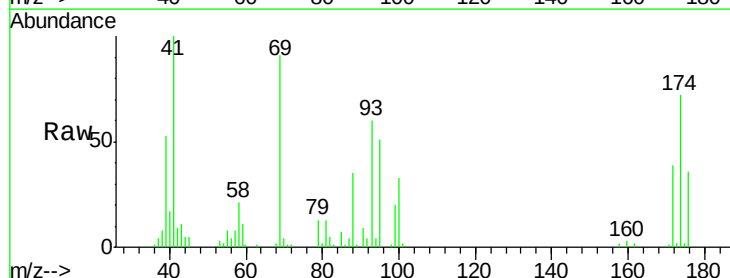
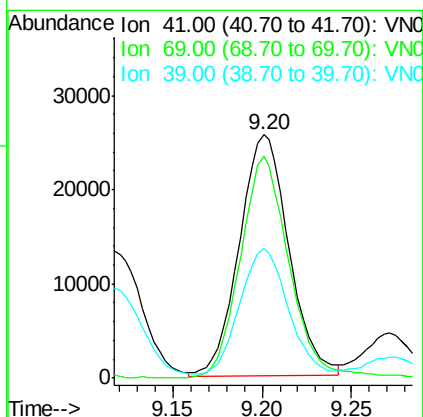
RT: 9.20 min Scan# 2310

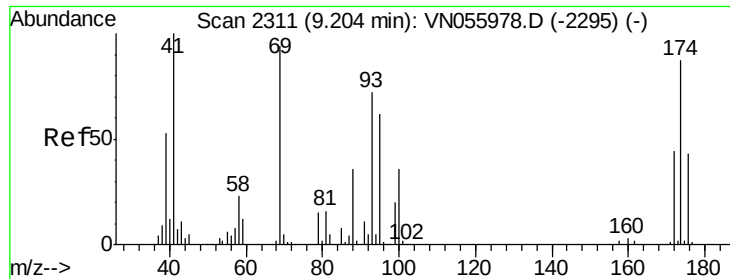
Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion:	41	Resp:	49863
Ion Ratio	Lower	Upper	
41	100		
69	90.9	71.0	106.6
39	52.9	44.2	66.2





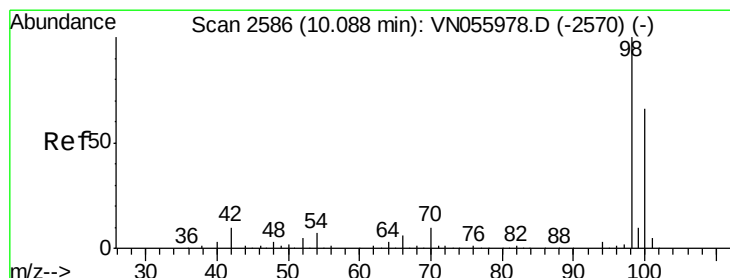
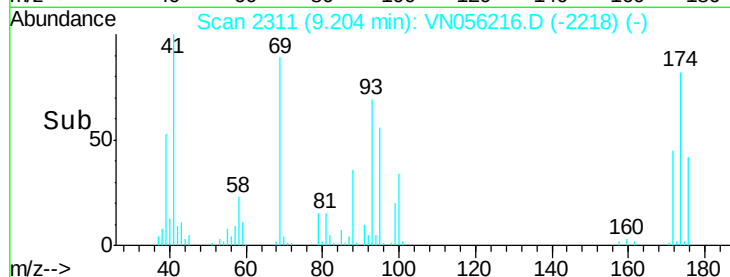
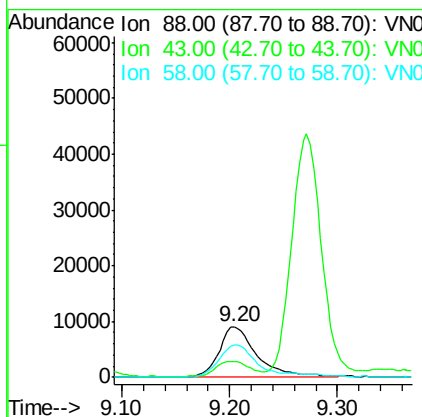
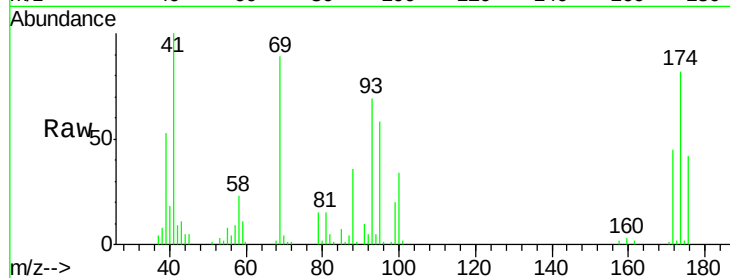
#49
1,4-Dioxane
Concen: 424.976 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	88	Resp	22273
Ion	Ratio	Lower	Upper
88	100		
43	30.6	20.5	30.7
58	69.1	55.8	83.6

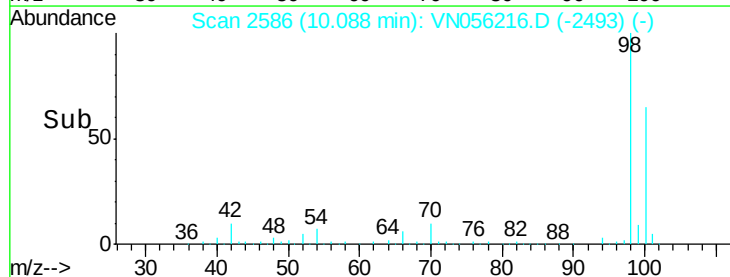
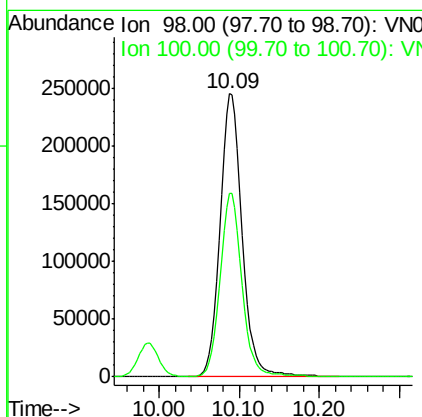
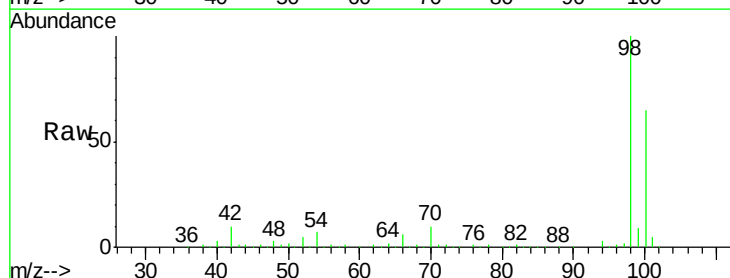
Manual Integrations
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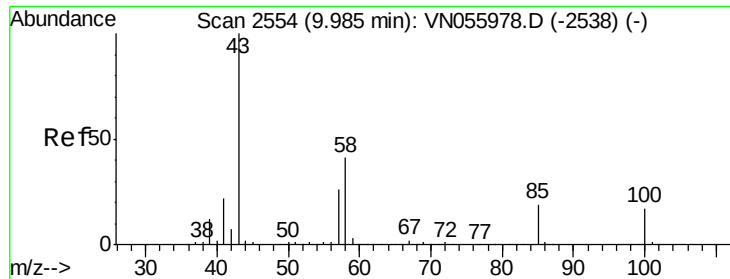
MMDadoda
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#50
Toluene-d8
Concen: 49.754 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	98	Resp	470149
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 106.457 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion: 43 Resp: 330347

Ion Ratio Lower Upper

43 100

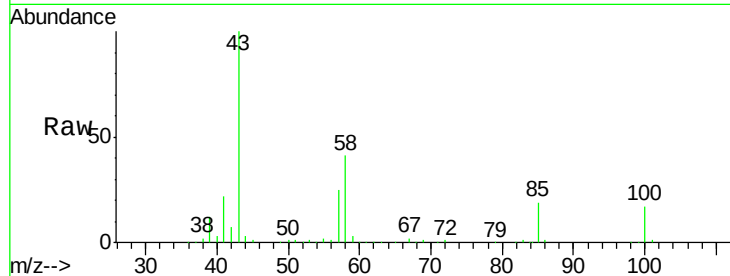
58 40.4 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

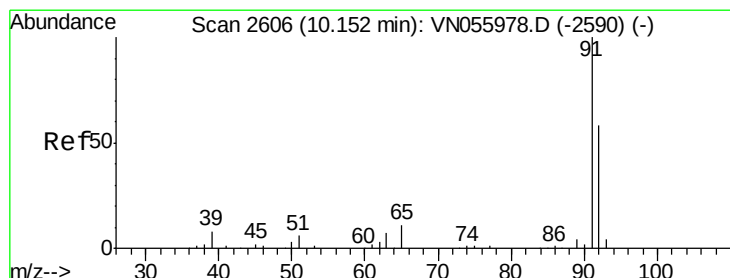
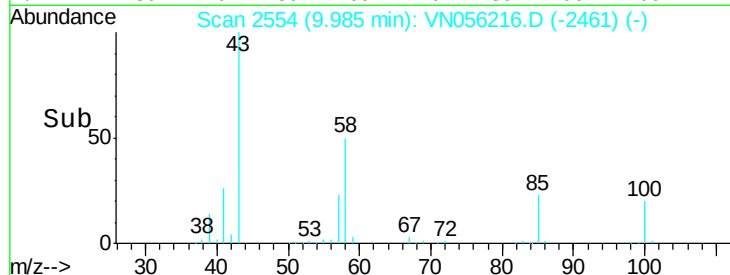
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.201 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056216.D

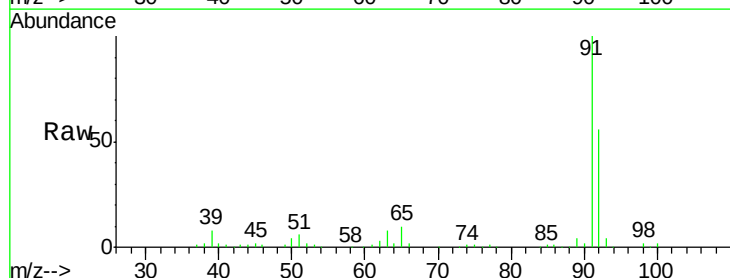
Acq: 11 Jun 2019 12:16

Tgt Ion: 92 Resp: 131399

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

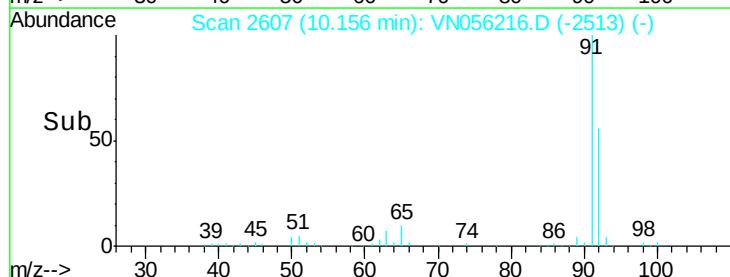
10.16

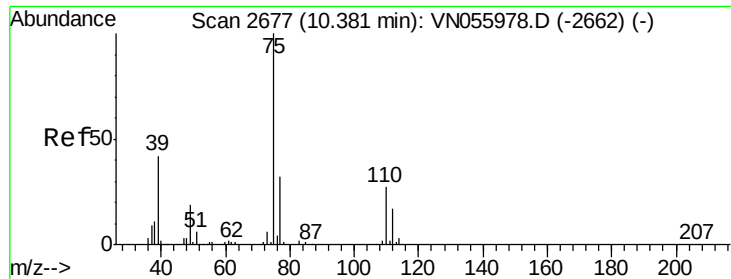
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.494 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion: 75 Resp: 62900

Ion Ratio Lower Upper

75 100

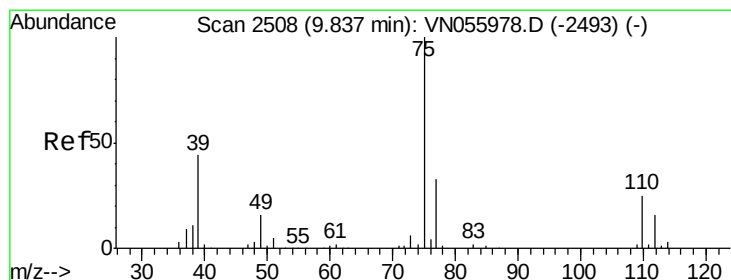
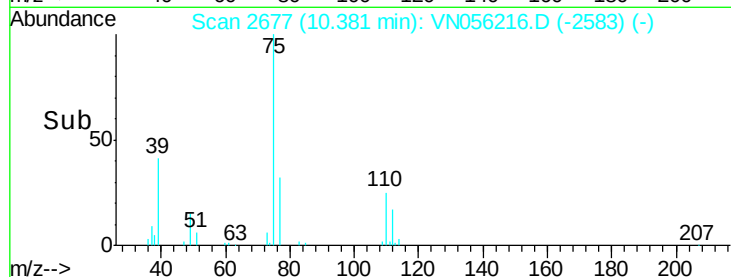
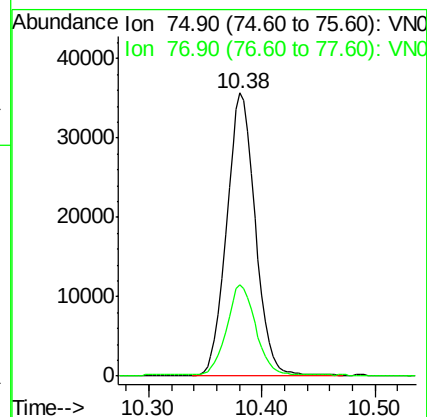
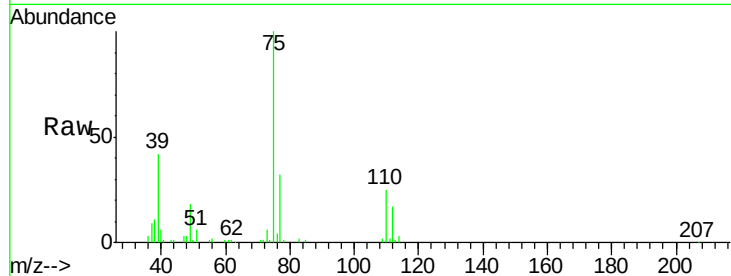
77 31.6 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 20.045 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

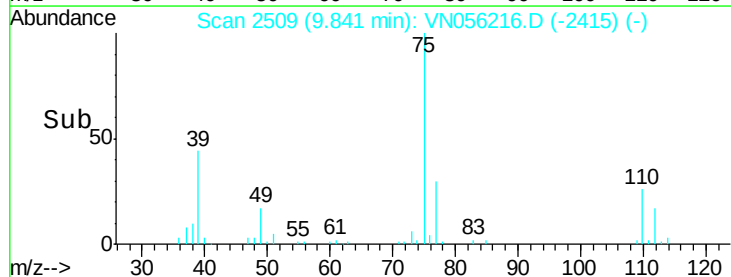
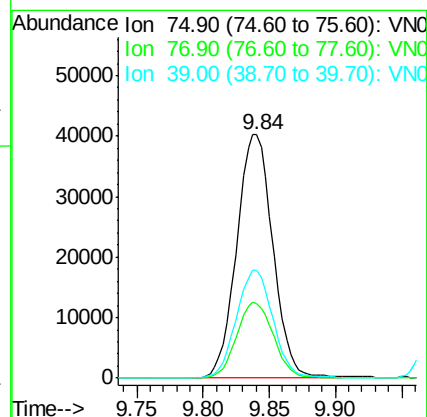
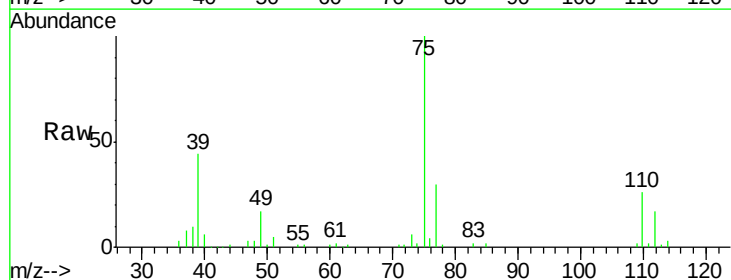
Tgt Ion: 75 Resp: 76457

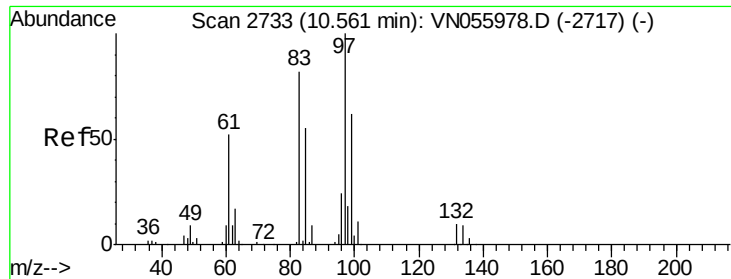
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 44.3 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 21.080 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 97 Resp: 54312

Ion Ratio Lower Upper

97 100

83 88.4 67.0 100.6

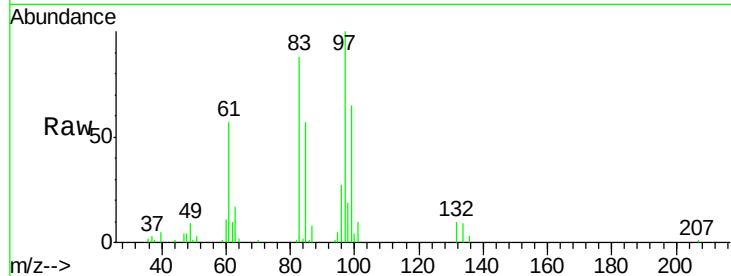
85 57.4 44.0 66.0

99 64.8 50.6 75.8

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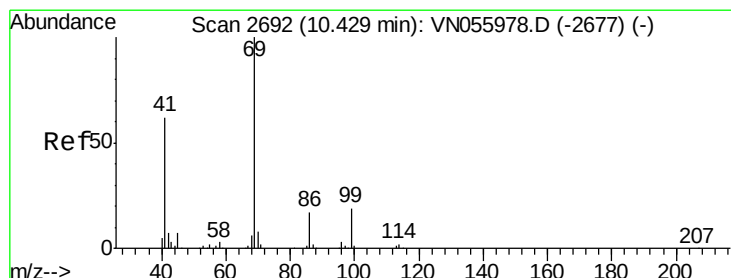
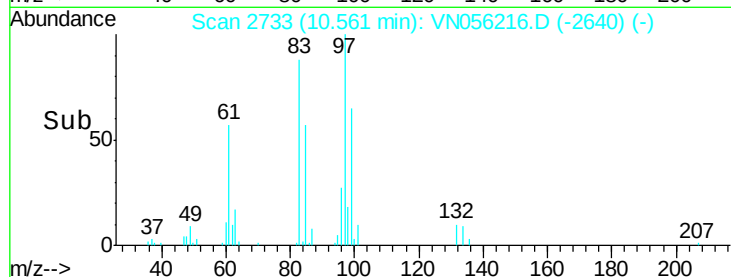
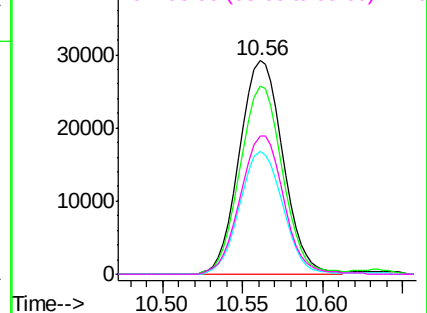
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.037 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

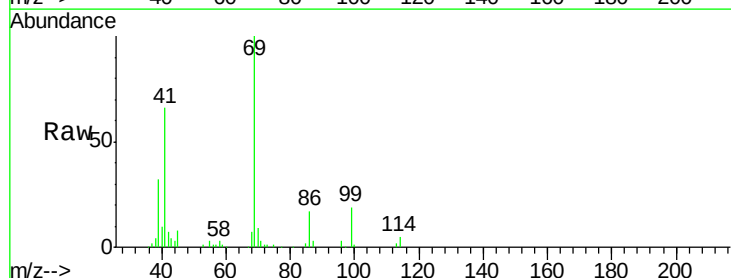
Tgt Ion: 69 Resp: 75317

Ion Ratio Lower Upper

69 100

41 64.7 49.7 74.5

39 30.8 24.7 37.1

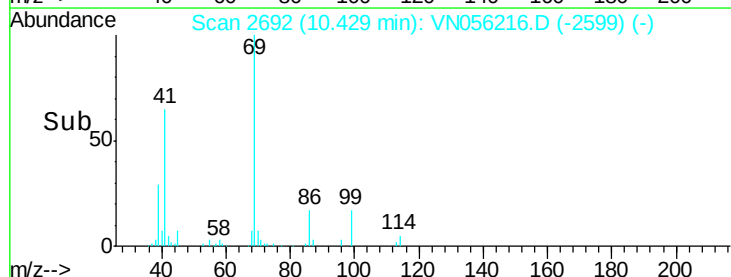
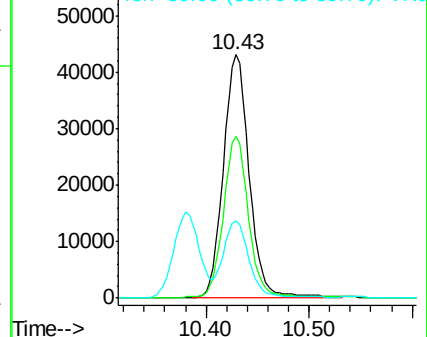


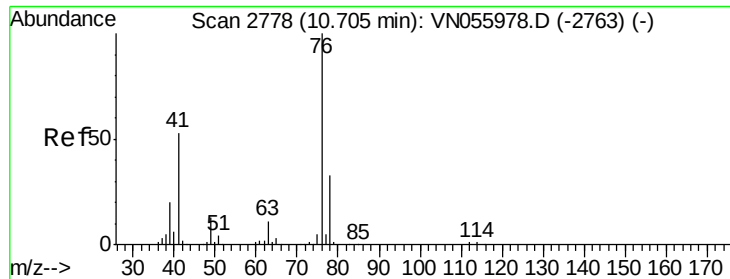
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.414 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion: 76 Resp: 89694

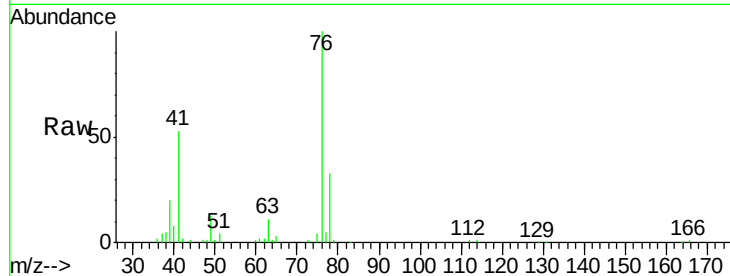
Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6

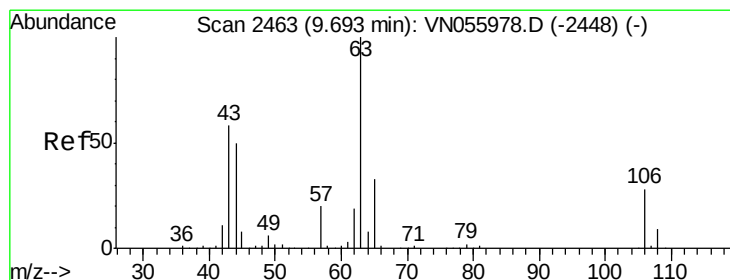
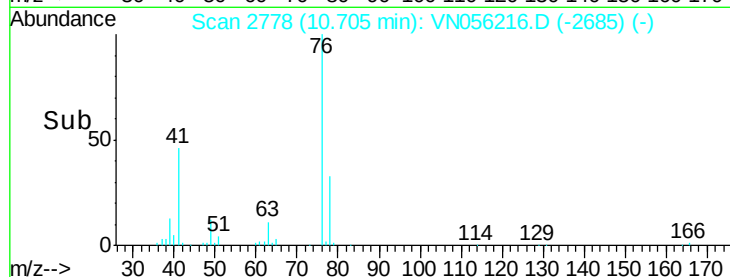
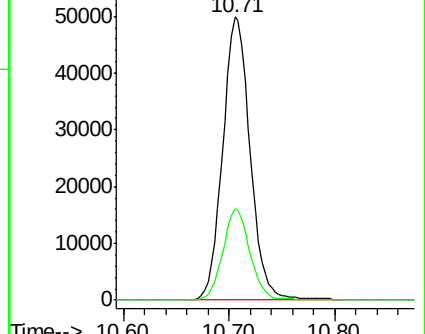
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN055978.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN055978.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 90.915 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056216.D

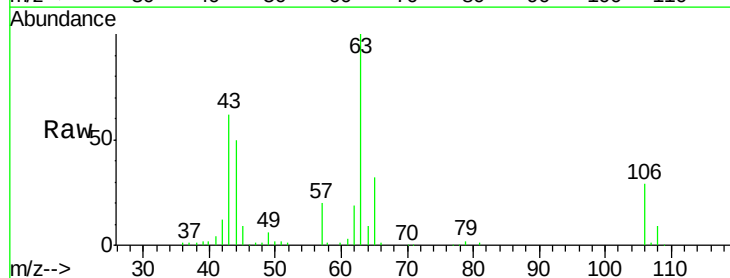
Acq: 11 Jun 2019 12:16

Tgt Ion: 63 Resp: 120495

Ion Ratio Lower Upper

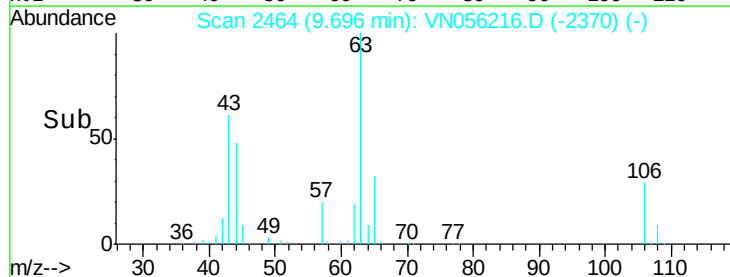
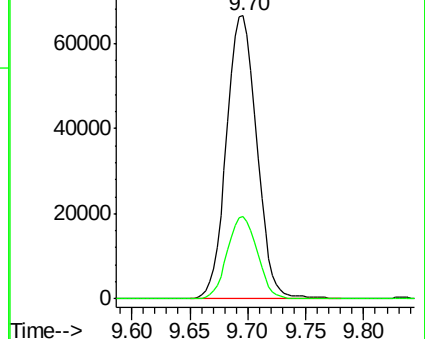
63 100

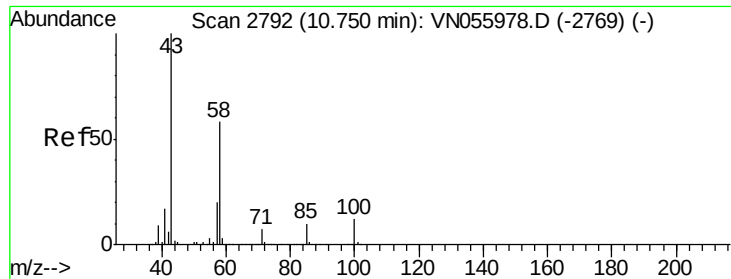
106 28.7 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055978.D (-2448) (-)





#59

2-Hexanone

Concen: 103.492 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion: 43 Resp: 232761

Ion Ratio Lower Upper

43 100

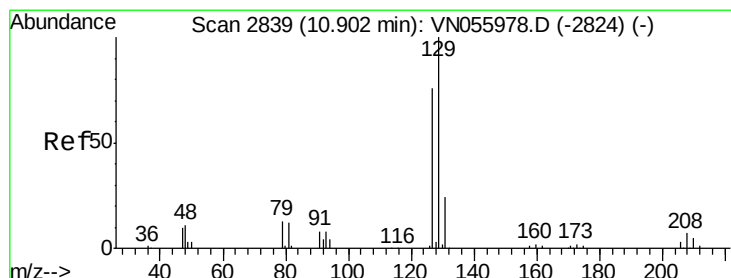
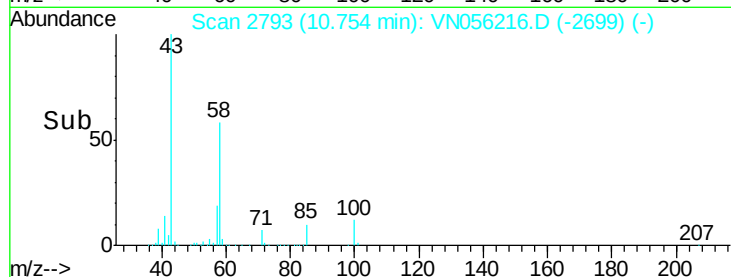
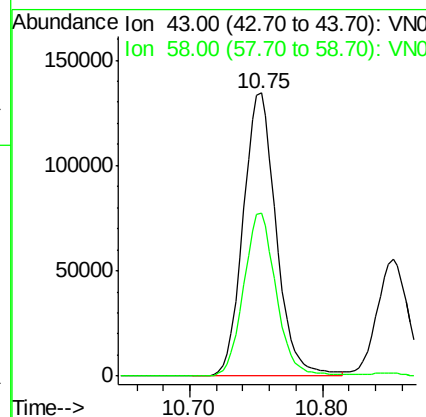
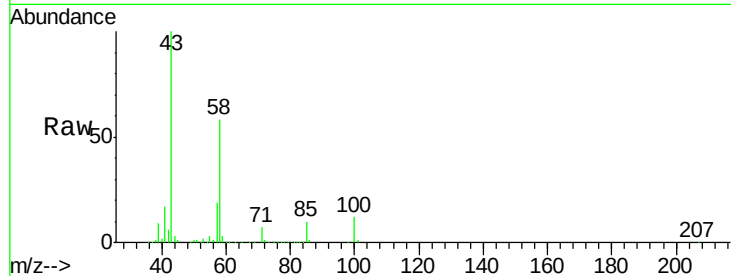
58 56.7 28.2 84.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 21.403 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056216.D

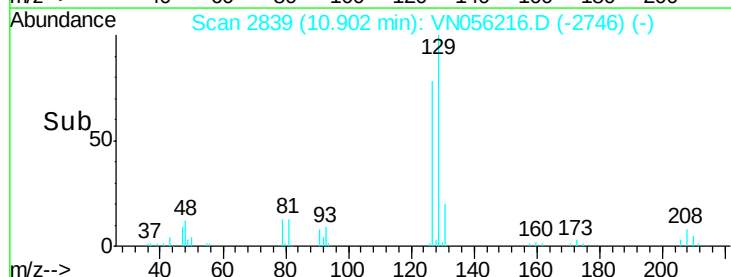
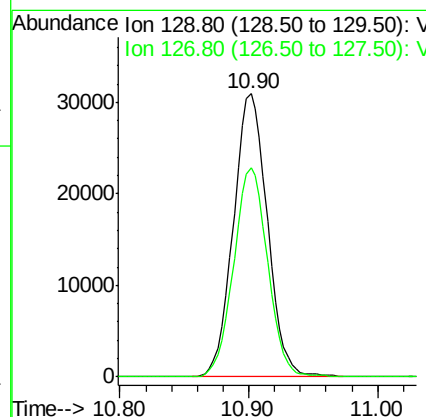
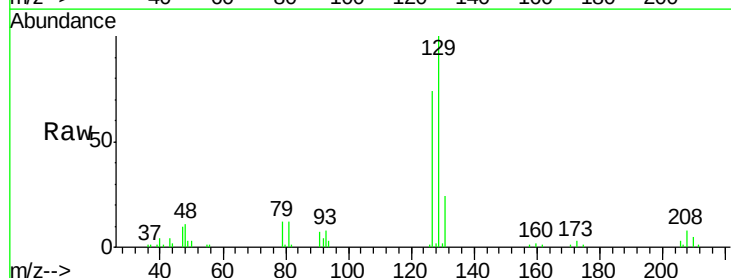
Acq: 11 Jun 2019 12:16

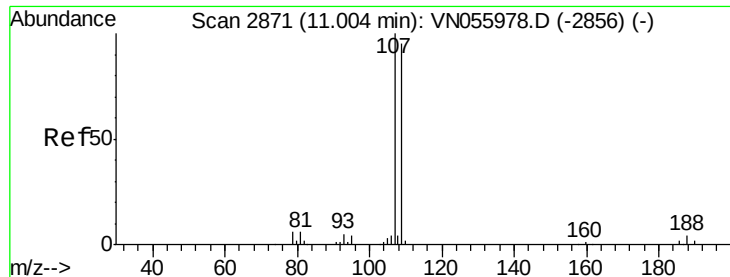
Tgt Ion: 129 Resp: 56630

Ion Ratio Lower Upper

129 100

127 73.7 38.1 114.3





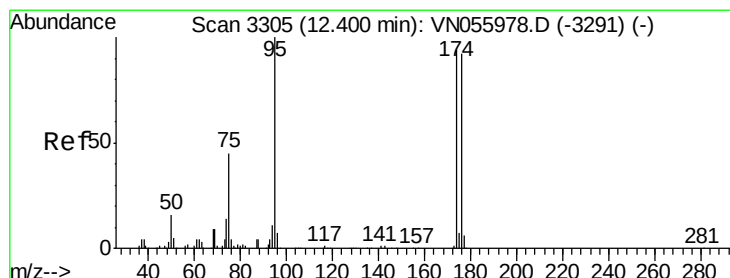
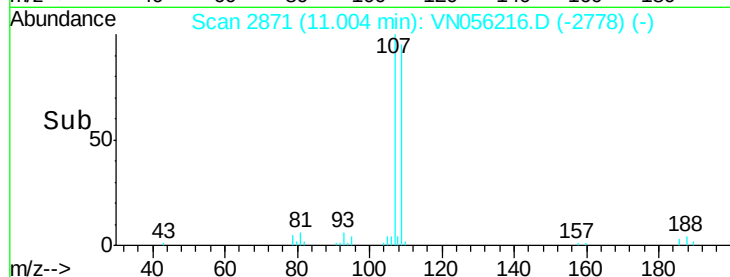
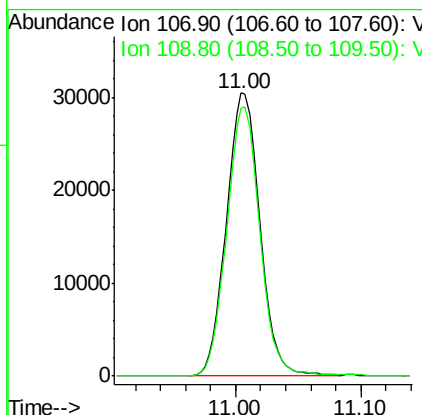
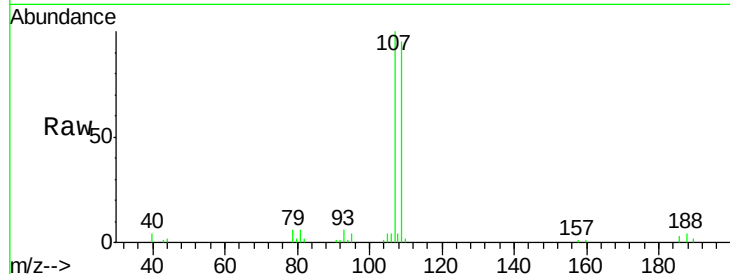
#61
 1,2-Dibromoethane
 Concen: 21.513 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Tot Ion:107 Resp: 56664
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.8 112.2

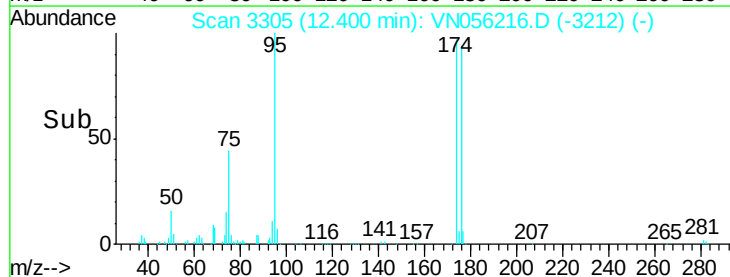
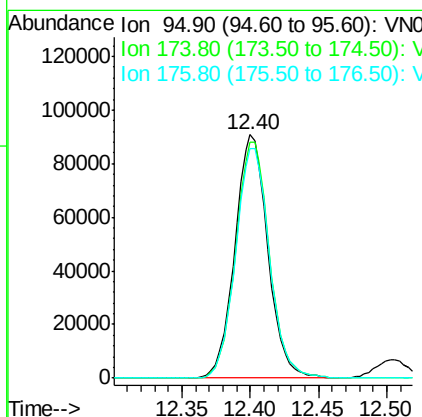
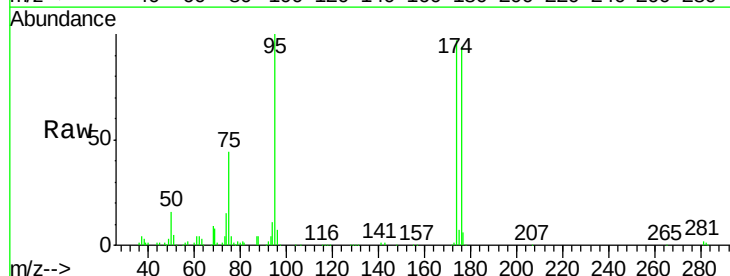
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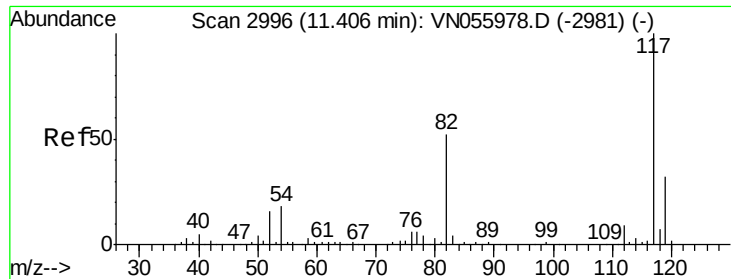
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.407 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 95 Resp: 152343
 Ion Ratio Lower Upper
 95 100
 174 99.0 0.0 191.0
 176 96.9 0.0 185.2





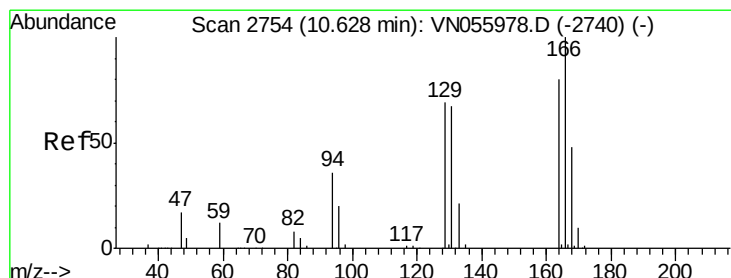
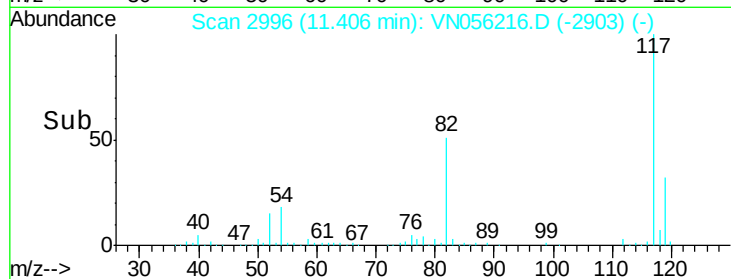
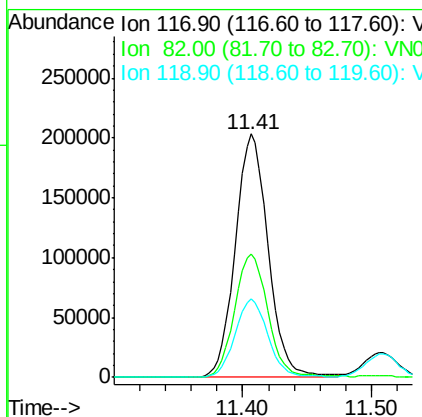
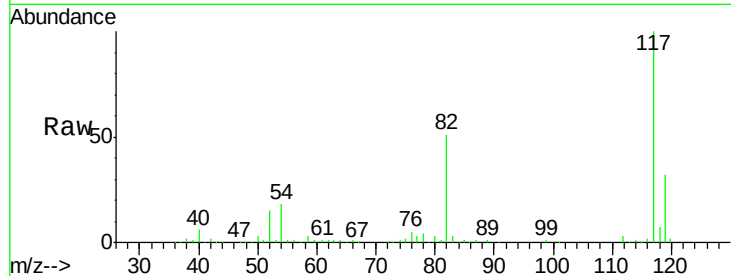
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.8	62.8
119	32.1	25.4	38.0

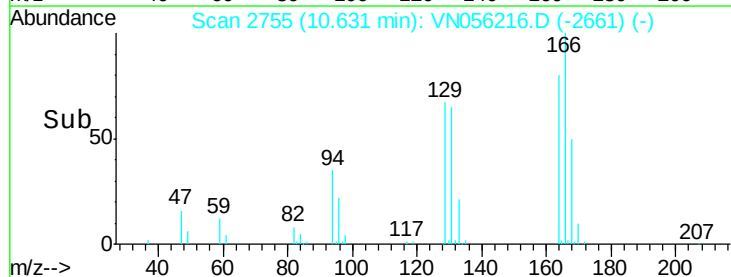
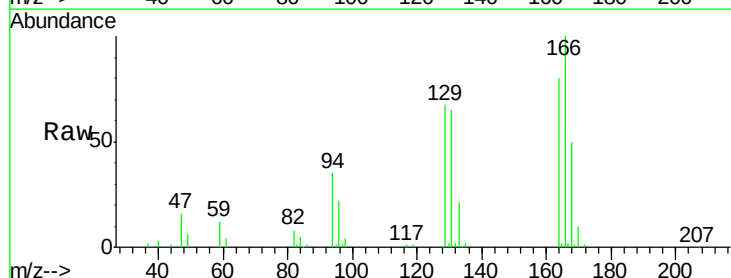
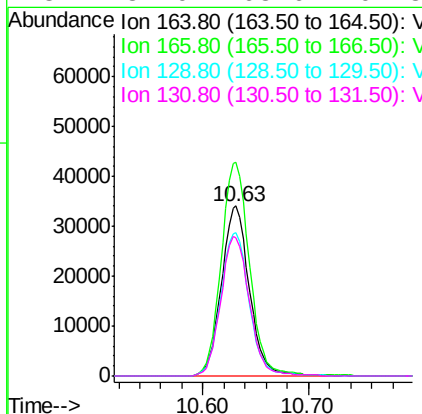
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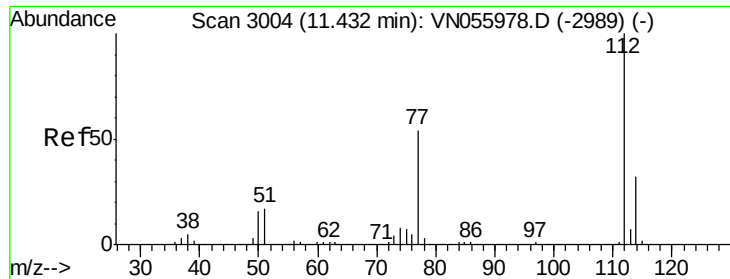
MMDadoda
6/12/2019 11:11:26 AM



#64
Tetrachloroethene
Concen: 20.022 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.0	154.6
129	84.3	70.6	105.8
131	81.0	68.6	102.8





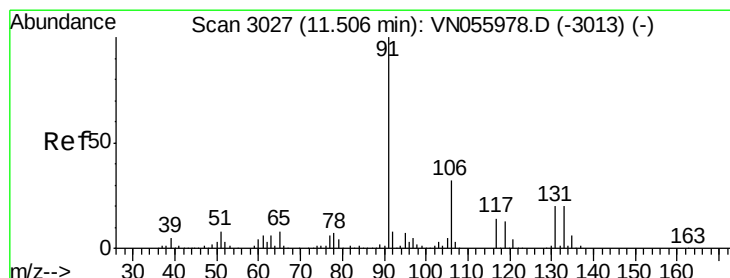
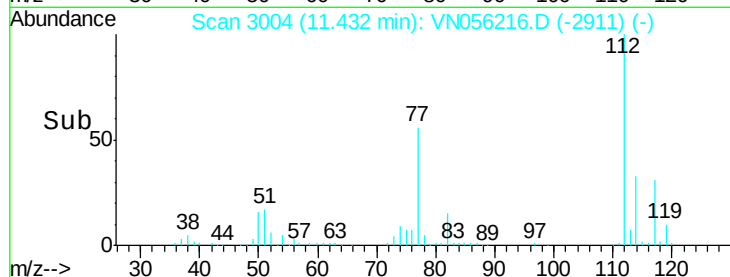
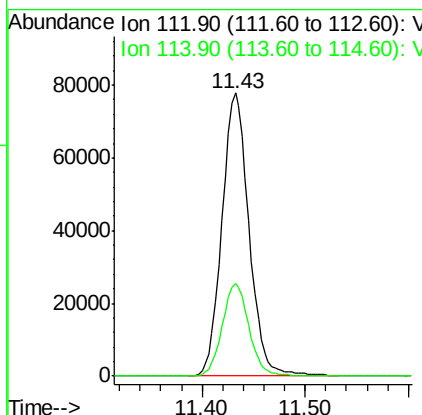
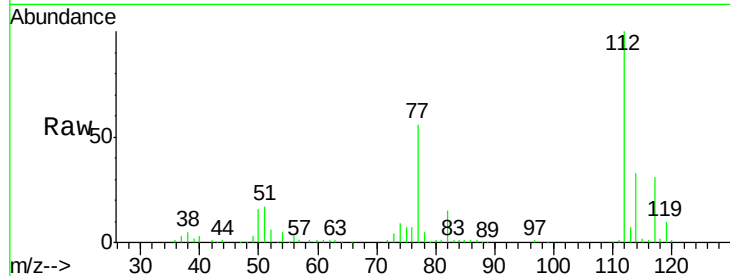
#65
Chlorobenzene
Concen: 19.811 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

Tot Ion:112 Resp: 142262
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4

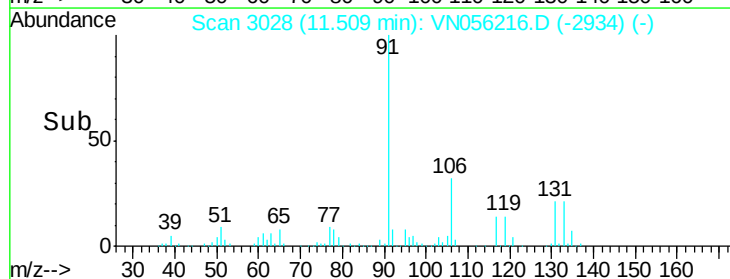
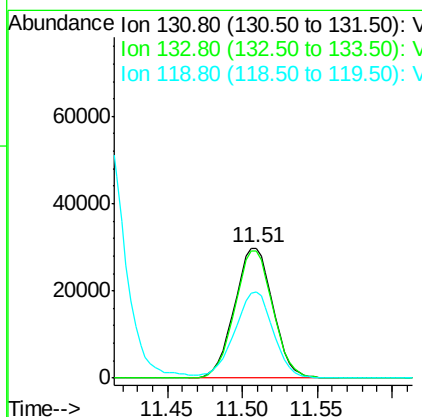
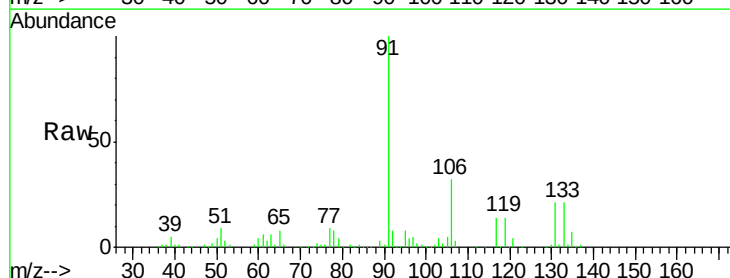
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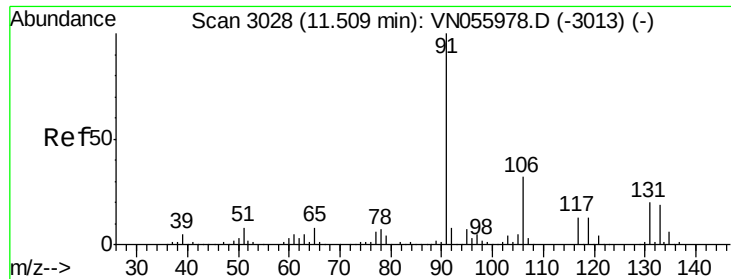
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.580 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion:131 Resp: 53507
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 66.8 33.1 99.5





#67

Ethyl Benzene

Concen: 19.251 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion: 91 Resp: 240380

Ion Ratio Lower Upper

91 100

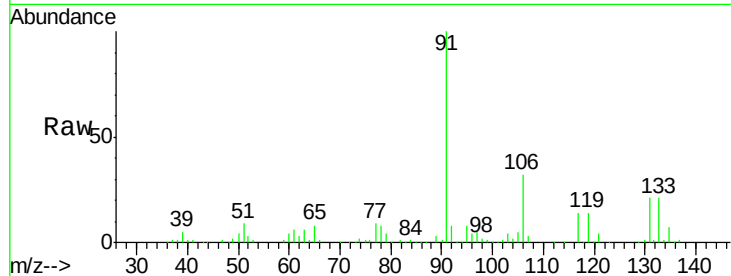
106 31.7 25.1 37.7

Manual Integrations

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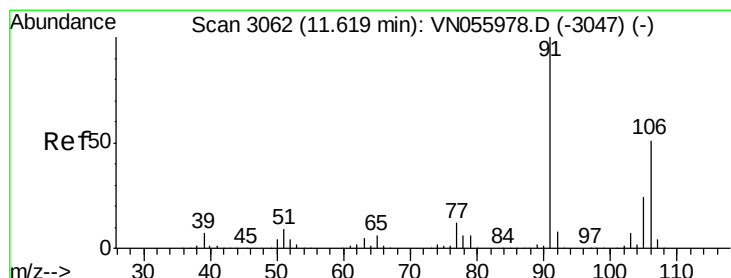
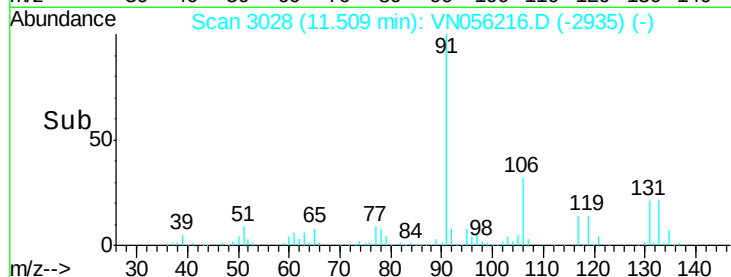
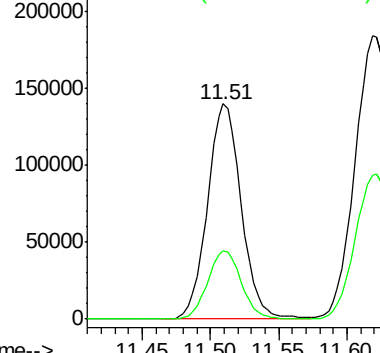
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.593 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN056216.D

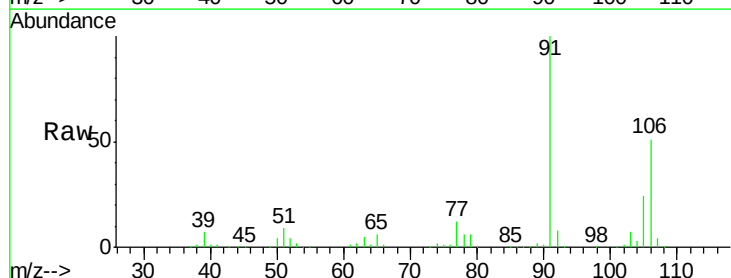
Acq: 11 Jun 2019 12:16

Tgt Ion:106 Resp: 184083

Ion Ratio Lower Upper

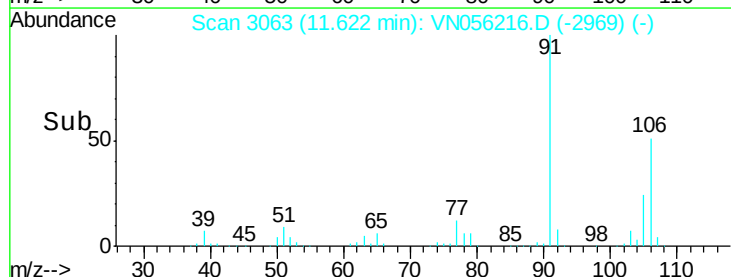
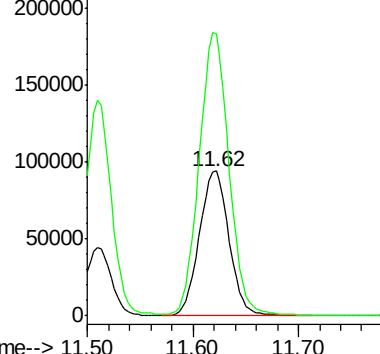
106 100

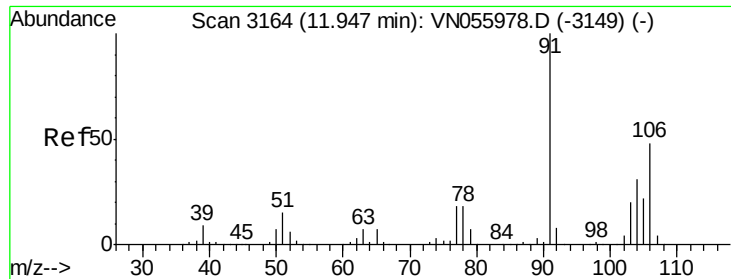
91 195.6 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





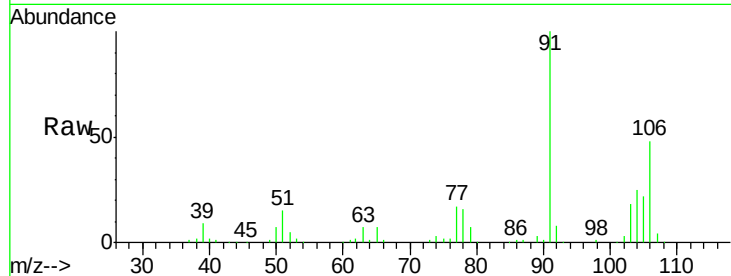
#69
o-Xylene
Concen: 19.466 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

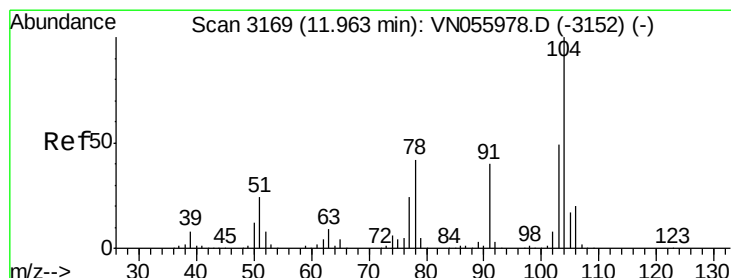
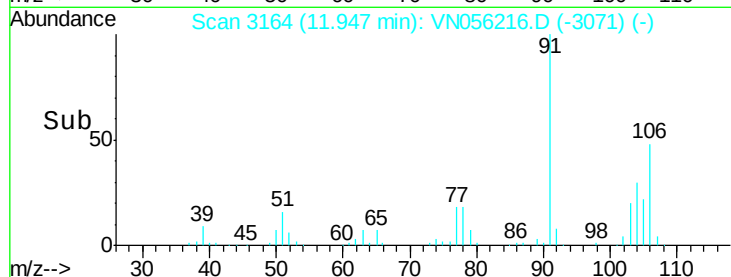
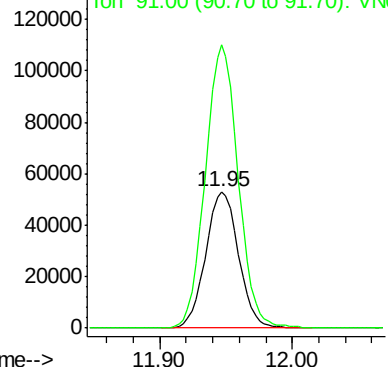
Tot Ion:106 Resp: 91335
Ion Ratio Lower Upper
106 100
91 206.6 104.7 314.1

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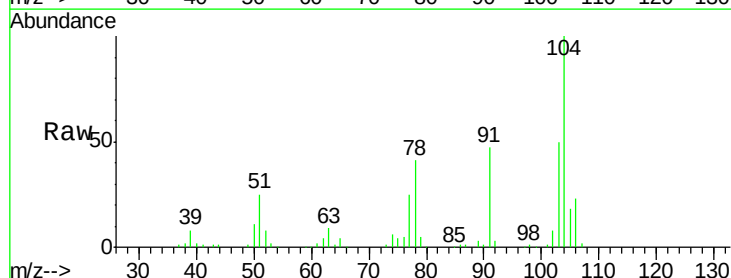


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

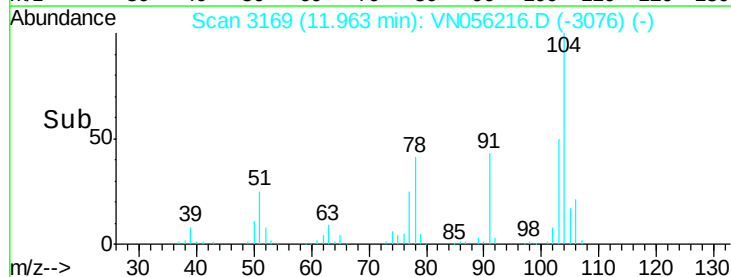
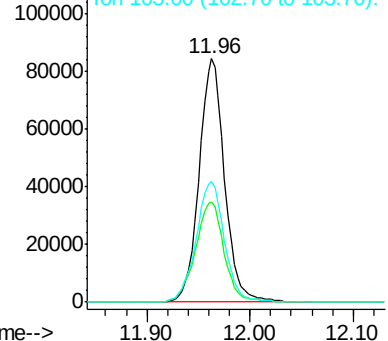


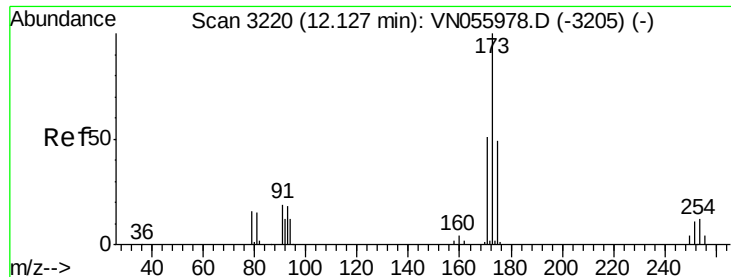
#70
Styrene
Concen: 19.457 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion:104 Resp: 145047
Ion Ratio Lower Upper
104 100
78 46.1 37.8 56.6
103 55.1 44.2 66.2



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





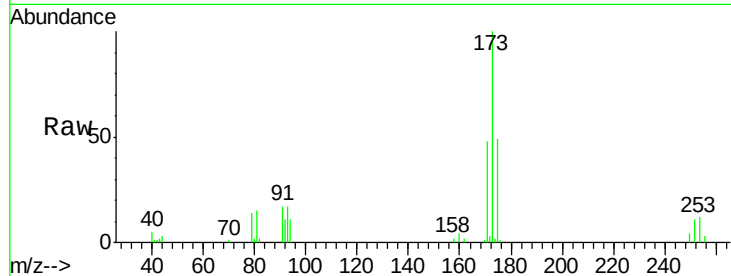
#71
Bromoform
Concen: 21.046 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

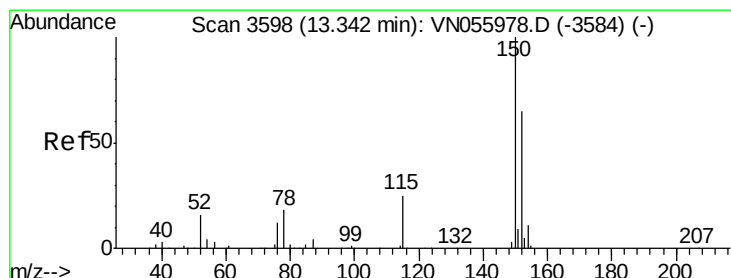
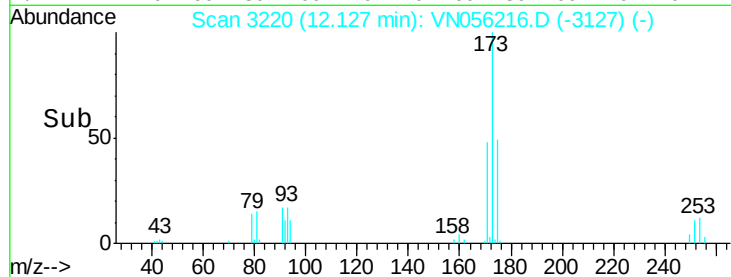
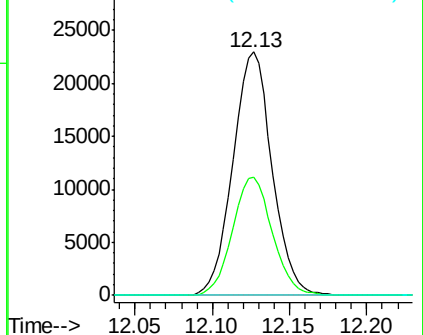
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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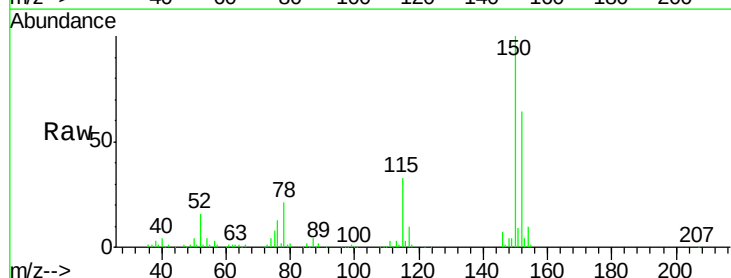


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

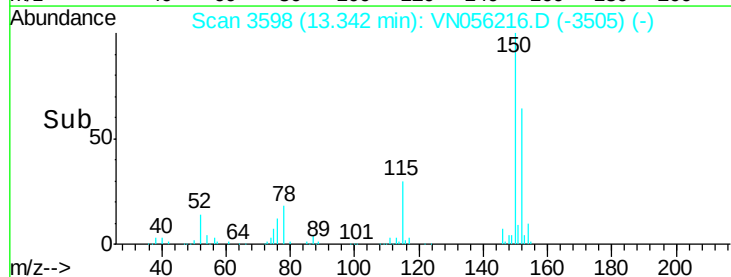
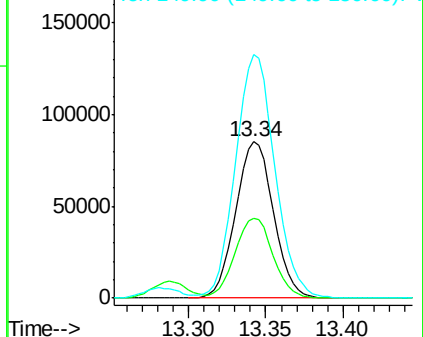


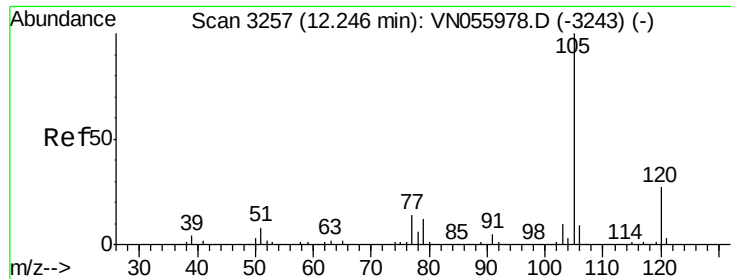
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.3	27.0	81.0
150	162.2	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.829 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 105 Resp: 239479

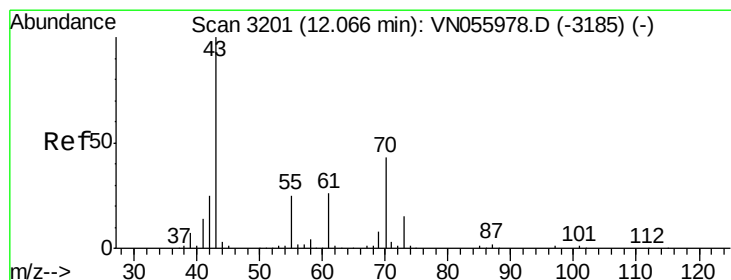
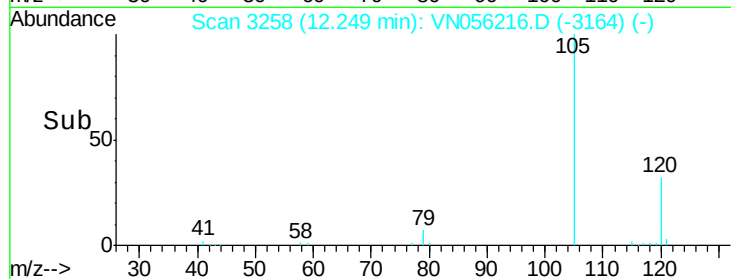
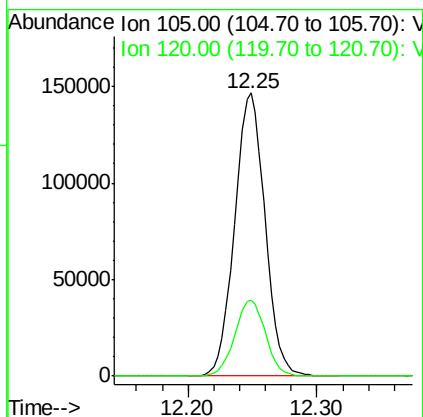
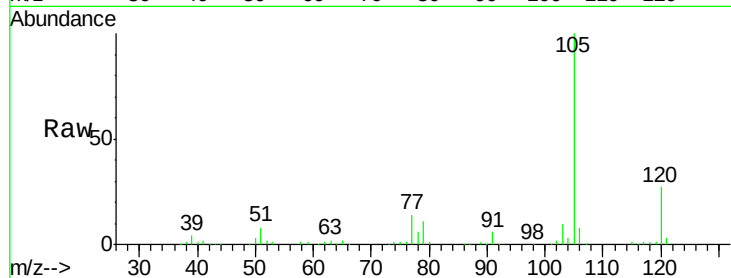
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.035 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion: 43 Resp: 77364

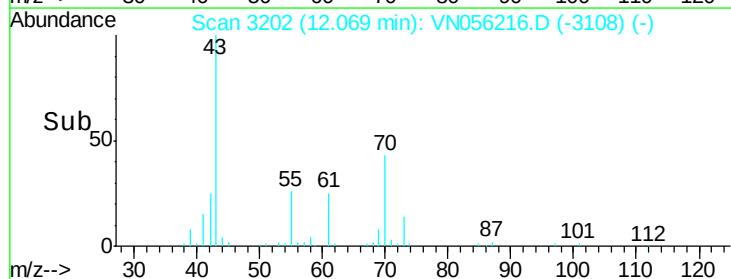
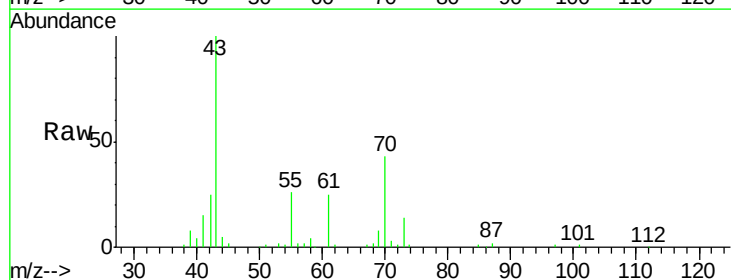
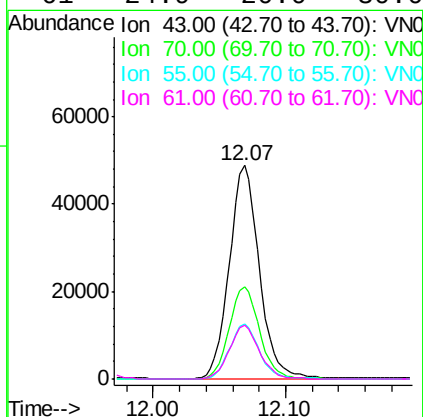
Ion Ratio Lower Upper

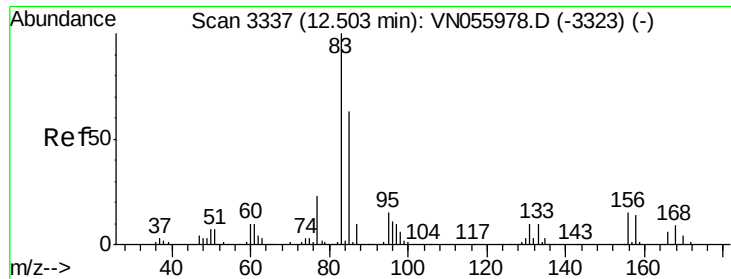
43 100

70 43.5 34.0 51.0

55 25.6 18.6 28.0

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.747 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

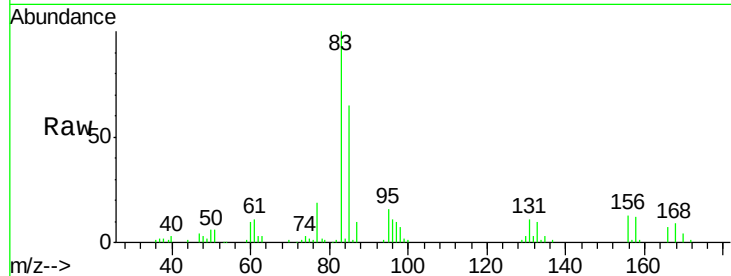
ClientSampled :

VN0611WBS01

Tot Ion:	83	Resp:	76495
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	63.0	32.4	97.0

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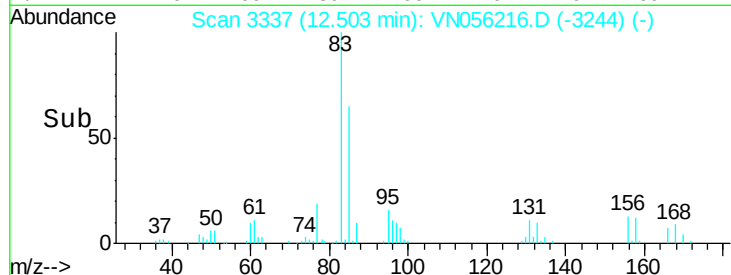


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)

Time--> 12.40 12.50 12.60

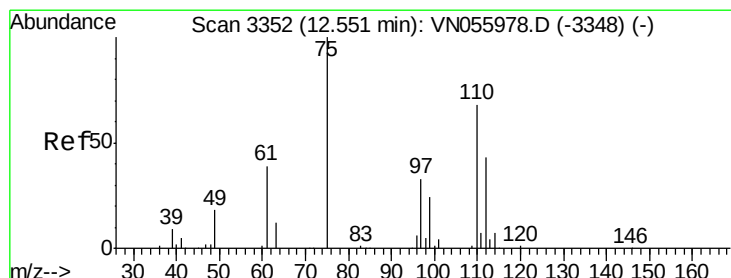


Abundance Ion 82.90 (82.60 to 83.60): VN056216.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056216.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056216.D (-3244) (-)

Time--> 12.40 12.50 12.60



#76

1,2,3-Trichloropropane

Concen: 22.804 ug/l m

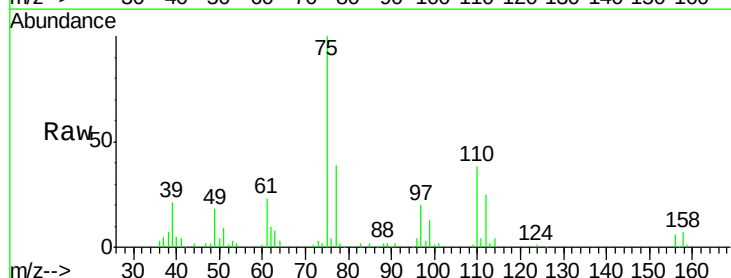
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

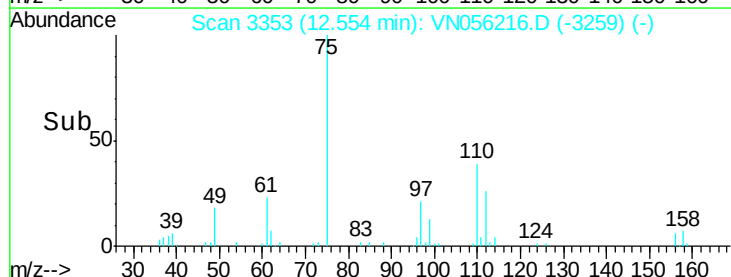
Tgt Ion:	75	Resp:	60783
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)

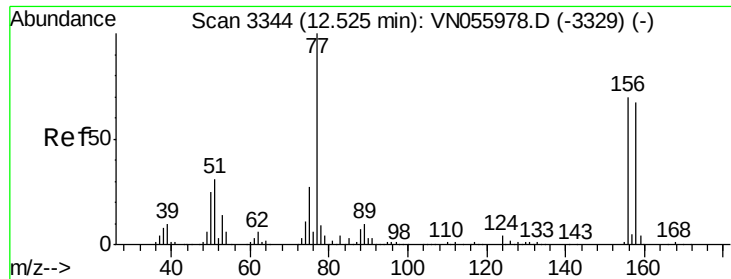
Time--> 12.50 12.55 12.60



Abundance Ion 74.90 (74.60 to 75.60): VN056216.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056216.D (-3259) (-)

Time--> 12.50 12.55 12.60



#77

Bromobenzene

Concen: 20.792 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

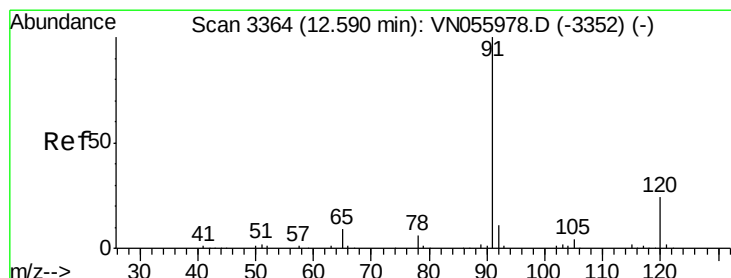
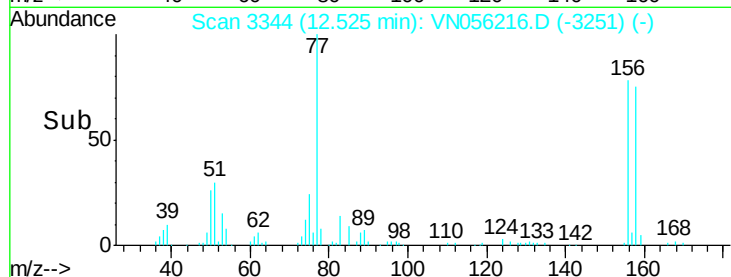
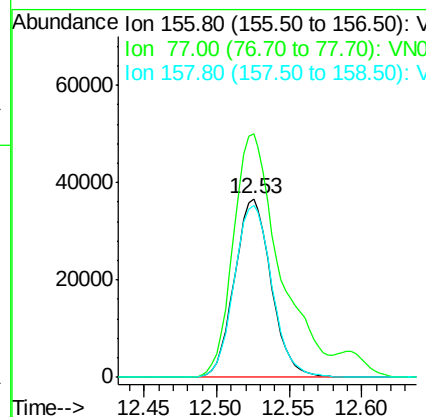
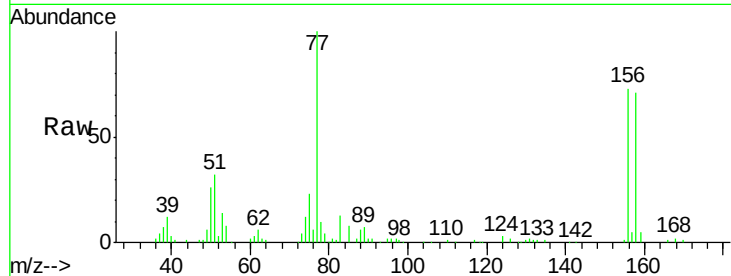
ClientSampleId :

VN0611WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		64485		
77	172.6	90.8	272.5		
158	99.4	49.3	147.8		

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#78

n-propylbenzene

Concen: 19.635 ug/l

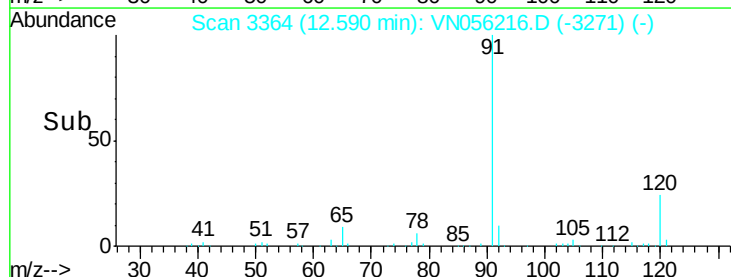
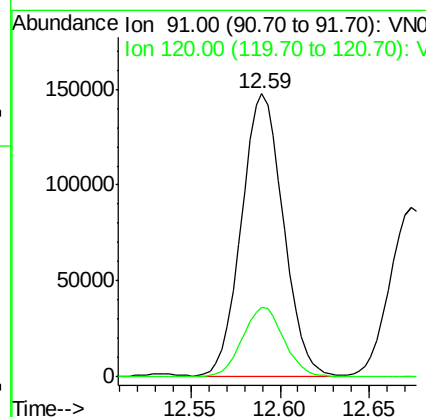
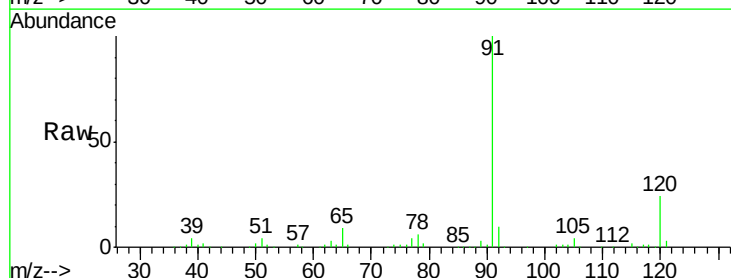
RT: 12.59 min Scan# 3364

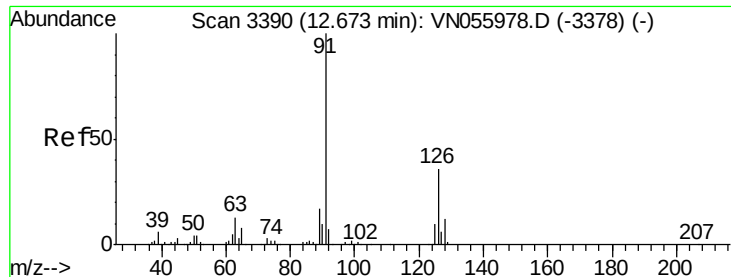
Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		240624		
120	24.5	12.0	36.0		





#79

2-Chlorotoluene

Concen: 20.861 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion: 91 Resp: 150998

Ion Ratio Lower Upper

91 100

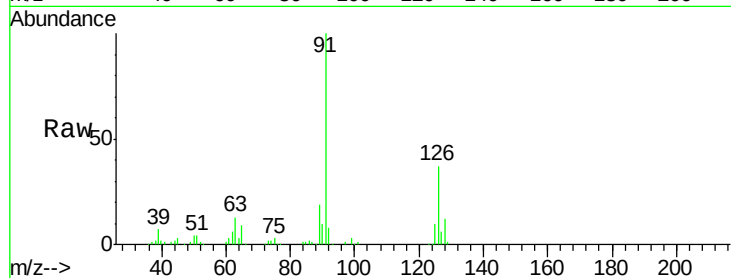
126 36.9 18.1 54.4

Manual Integrations

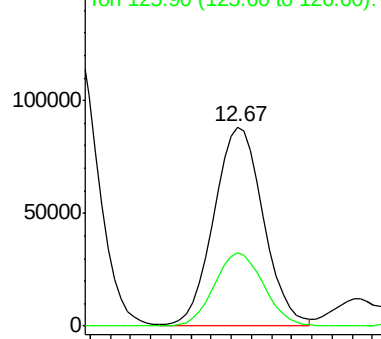
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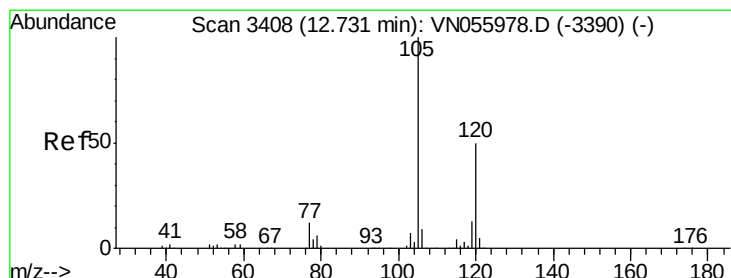
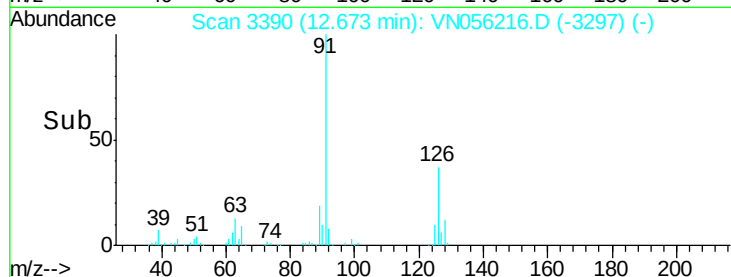
6/12/2019 11:11:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056216.D (-3297) (-)



Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.858 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056216.D

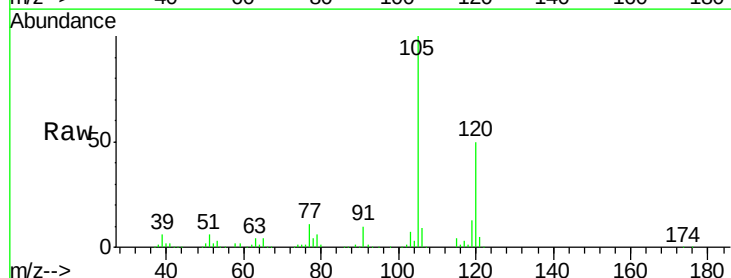
Acq: 11 Jun 2019 12:16

Tgt Ion: 105 Resp: 193411

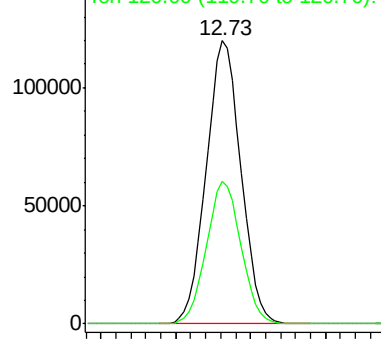
Ion Ratio Lower Upper

105 100

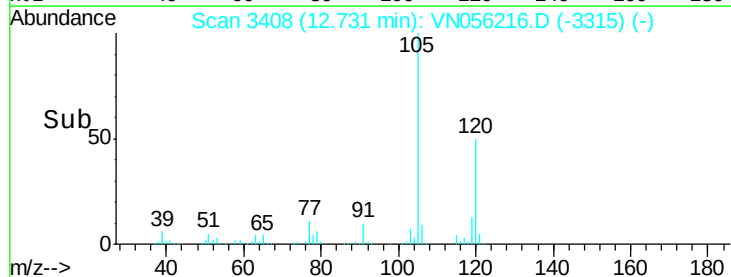
120 50.1 24.7 74.1

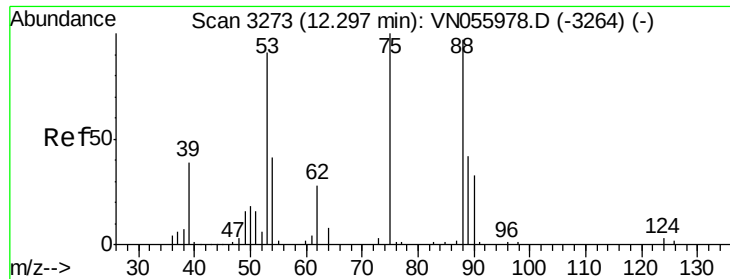


Abundance Ion 105.00 (104.70 to 105.70): VN056216.D (-3315) (-)



Time--> 12.65 12.70 12.75 12.80





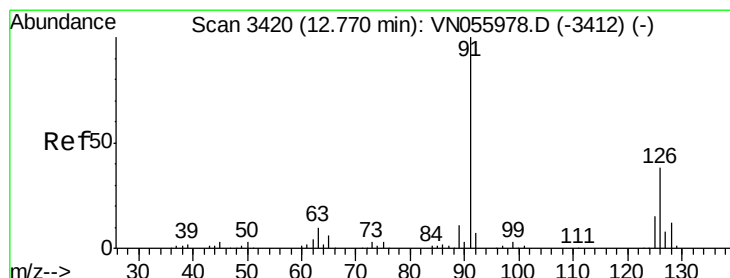
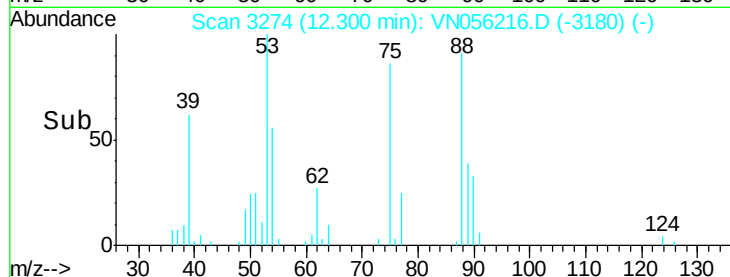
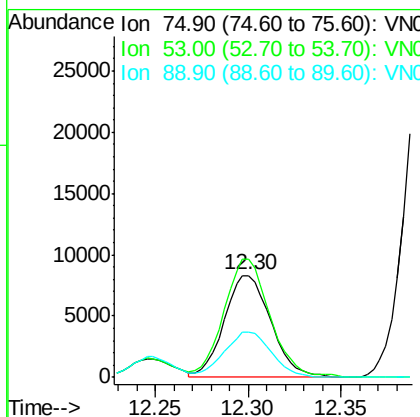
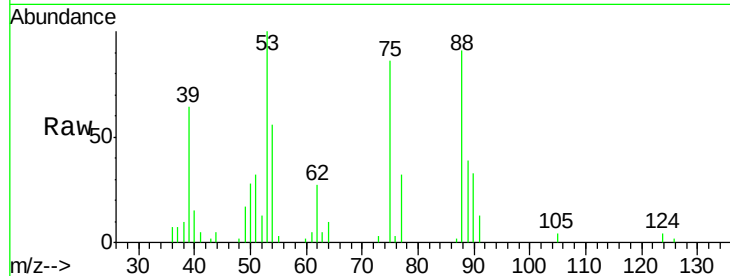
#81
trans-1,4-Dichloro-2-butene
Concen: 18.156 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion: 75 Resp: 14532
Ion Ratio Lower Upper
75 100
53 109.3 68.1 102.1#
89 44.9 36.9 55.3

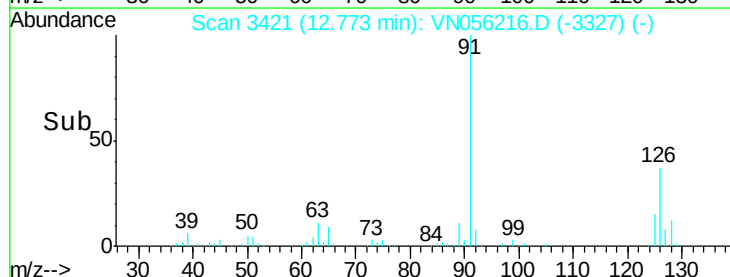
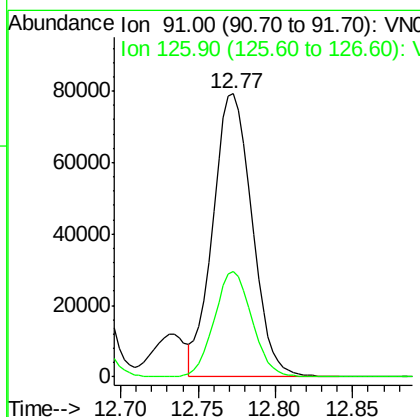
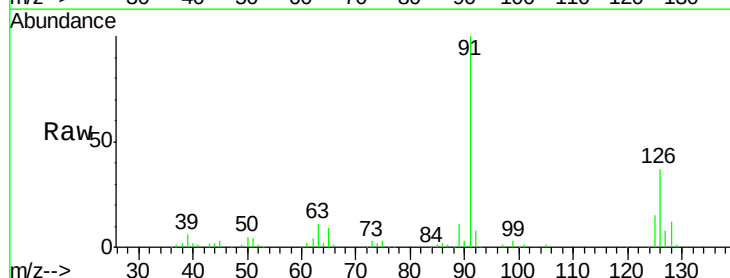
Manual Integrations
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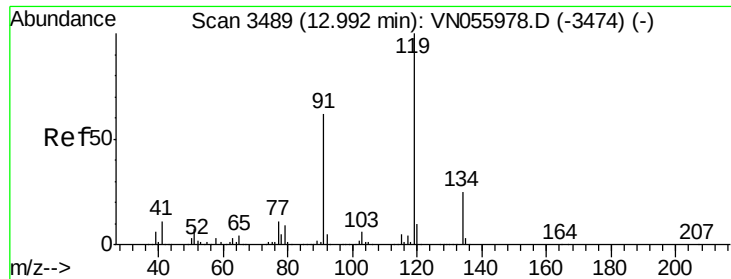
MMDadoda
6/12/2019 11:11:26 AM



#82
4-Chlorotoluene
Concen: 19.511 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 91 Resp: 139889
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.3





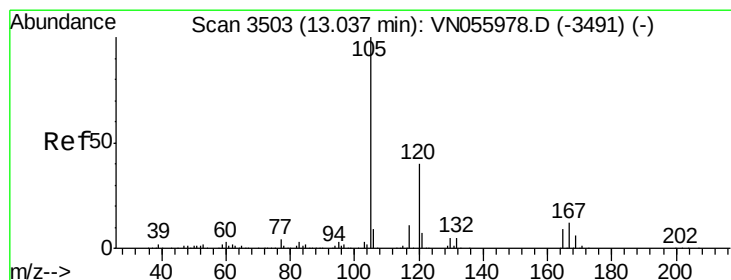
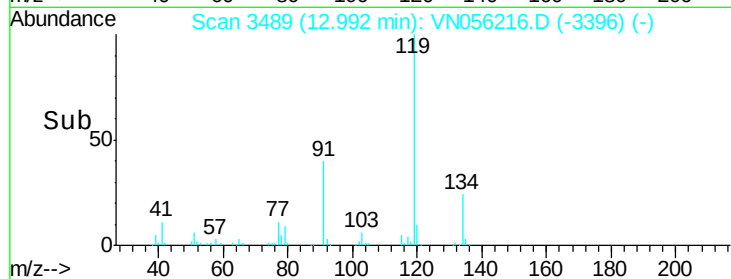
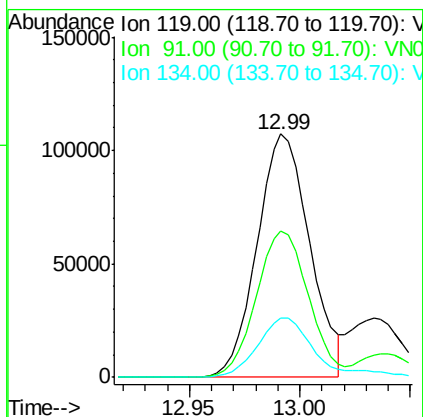
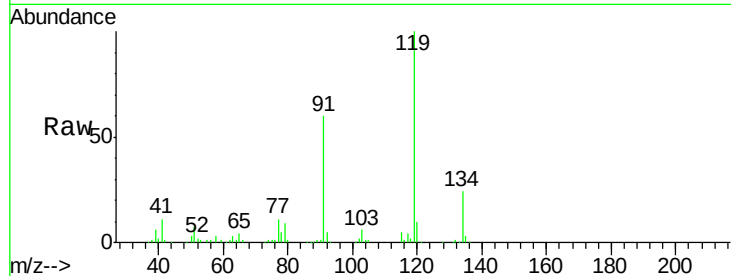
#83
tert-Butylbenzene
Concen: 21.921 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.9	92.8
134	26.7	13.3	39.8

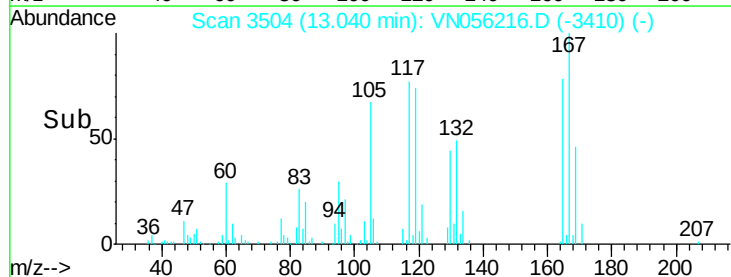
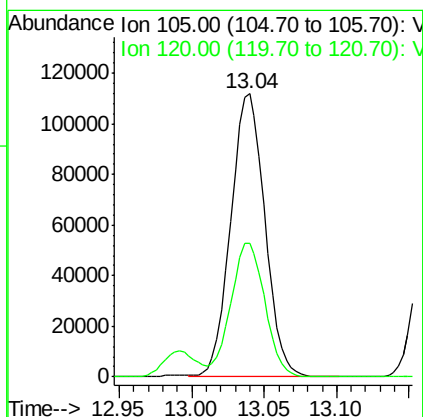
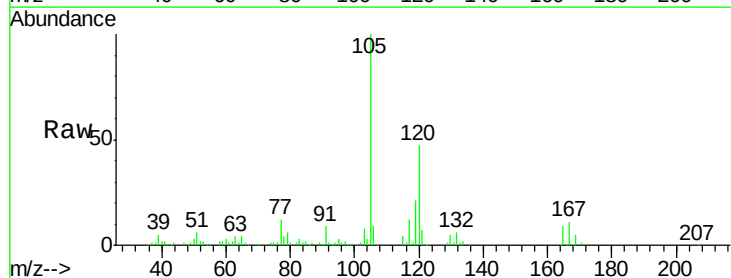
Manual Integrations
APPROVED

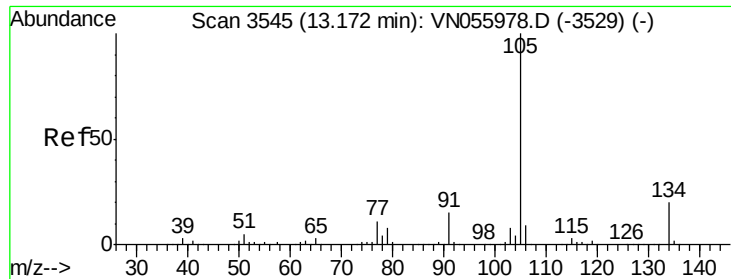
MMDadoda
6/12/2019 11:11:26 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.817 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.0	69.0





#85

sec-Butylbenzene

Concen: 19.999 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

Tot Ion:105 Resp: 217053

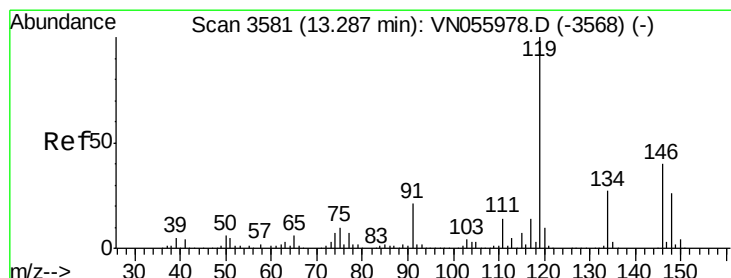
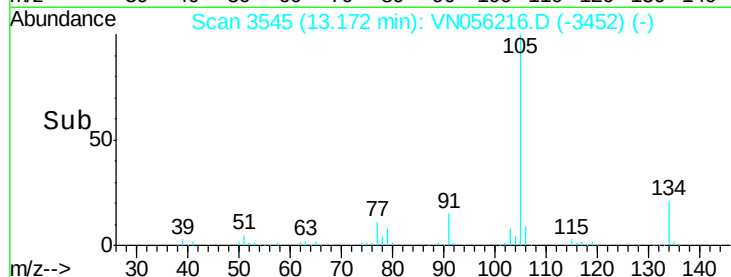
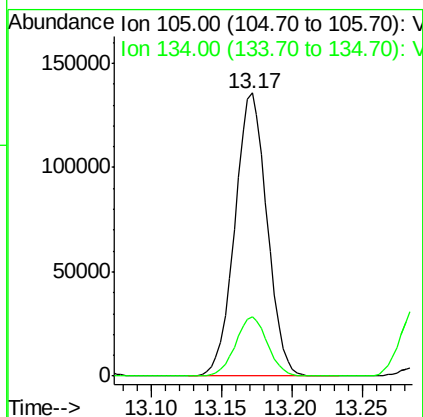
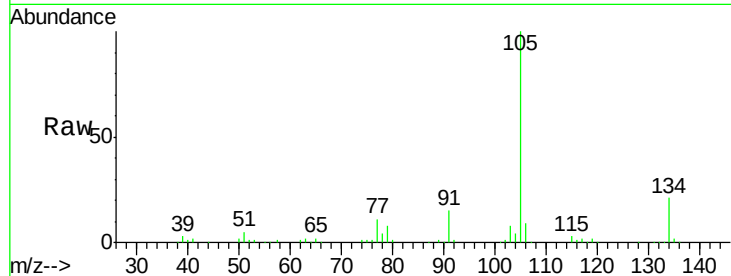
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.419 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

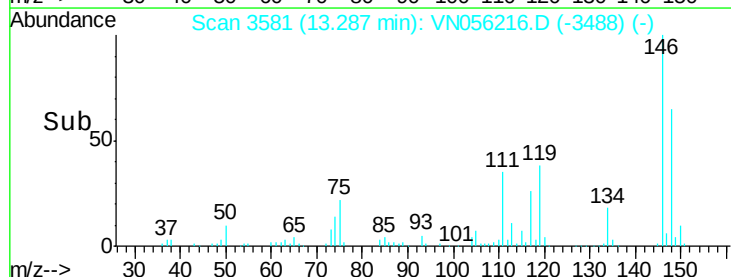
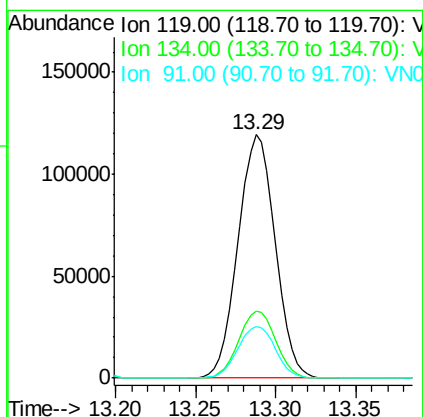
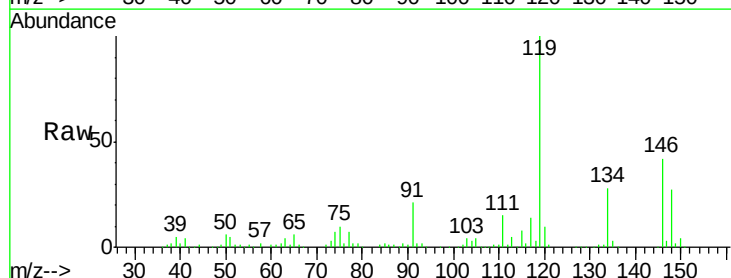
Tgt Ion:119 Resp: 188615

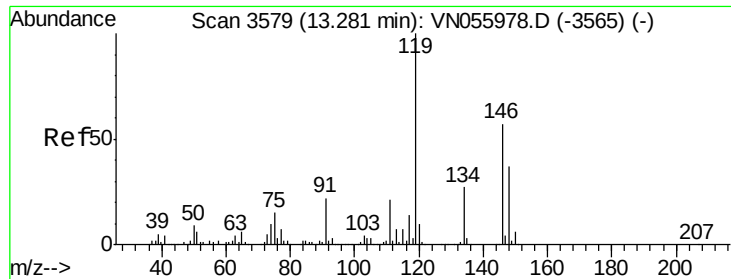
Ion Ratio Lower Upper

119 100

134 27.7 13.4 40.1

91 21.6 10.9 32.9





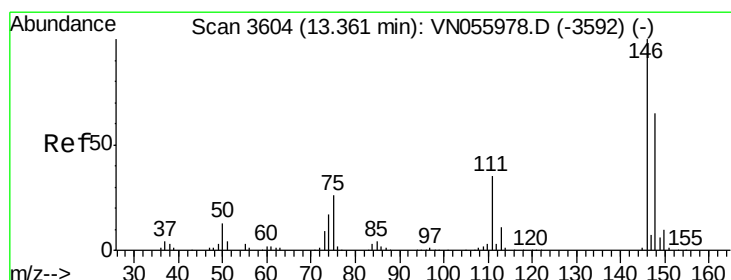
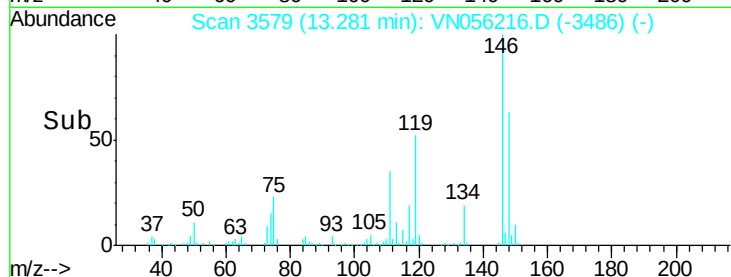
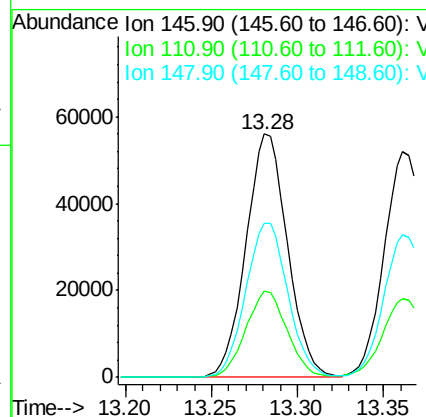
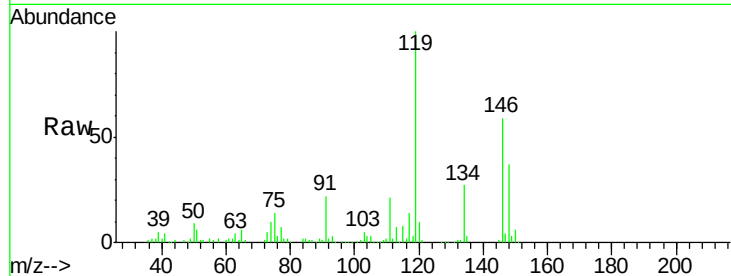
#87
 1,3-Dichlorobenzene
 Concen: 19.543 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0611WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.5	55.5
148	64.4	32.0	96.2

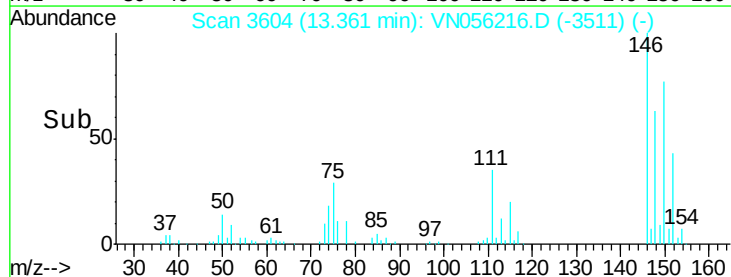
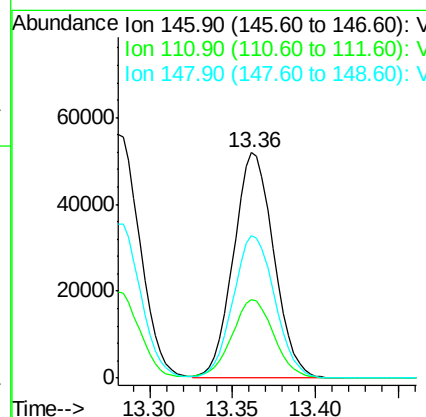
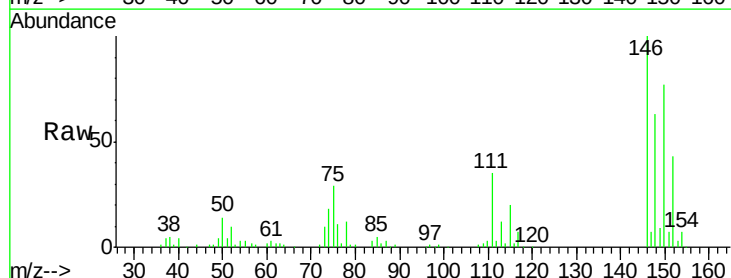
Manual Integrations
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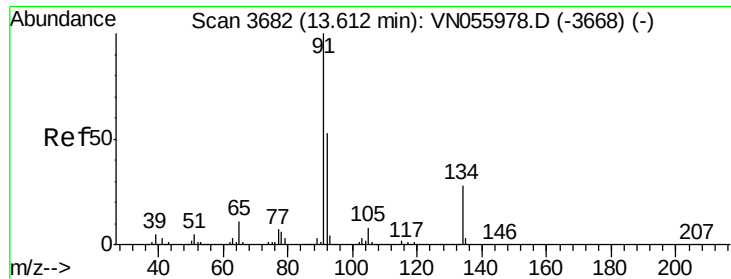
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#88
 1,4-Dichlorobenzene
 Concen: 19.018 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.4
148	65.2	32.1	96.5





#89

n-Butylbenzene

Concen: 17.109 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

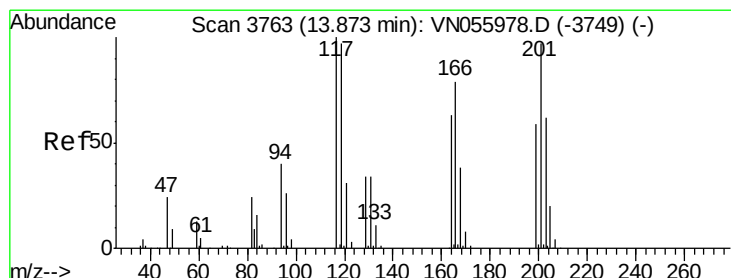
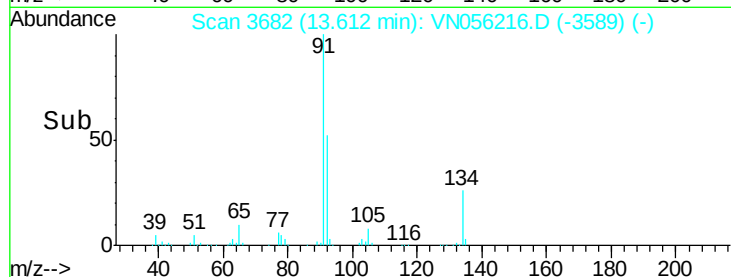
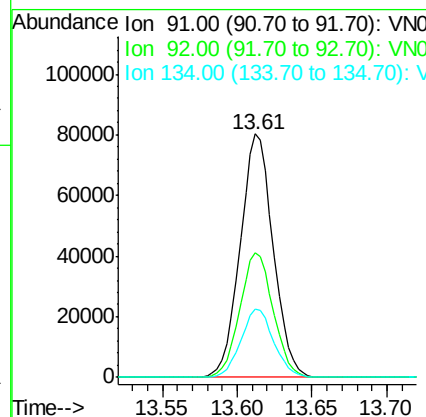
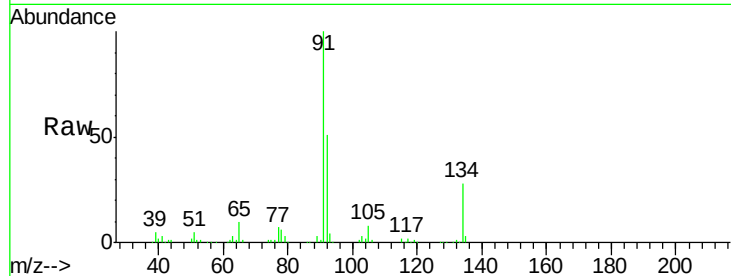
ClientSampleId :

VN0611WBS01

Tot Ion:	91	Resp:	123101
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.4	79.0
134	27.8	13.9	41.7

Manual Integrations
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#90

Hexachloroethane

Concen: 21.307 ug/l

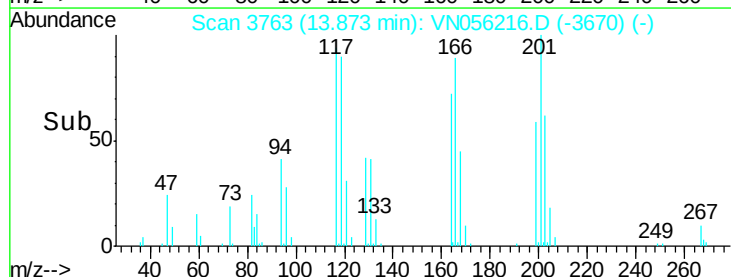
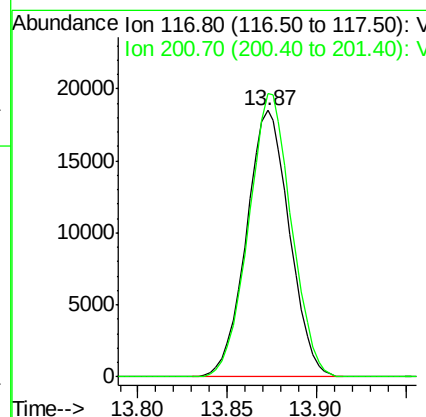
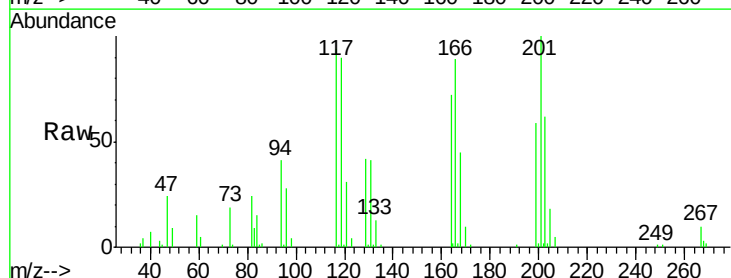
RT: 13.87 min Scan# 3763

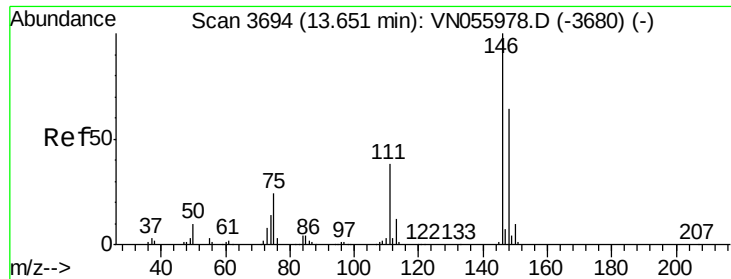
Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion:	117	Resp:	31211
Ion	Ratio	Lower	Upper
117	100		
201	105.6	50.0	150.0





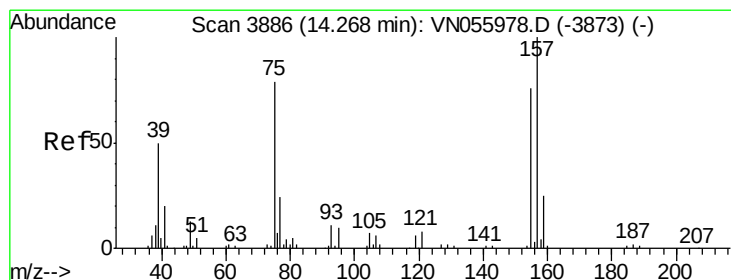
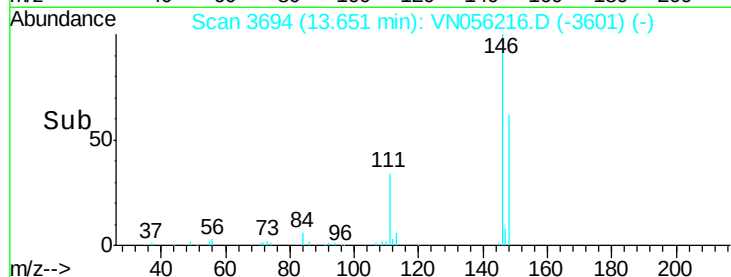
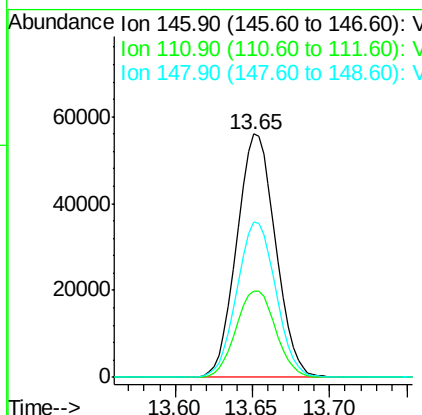
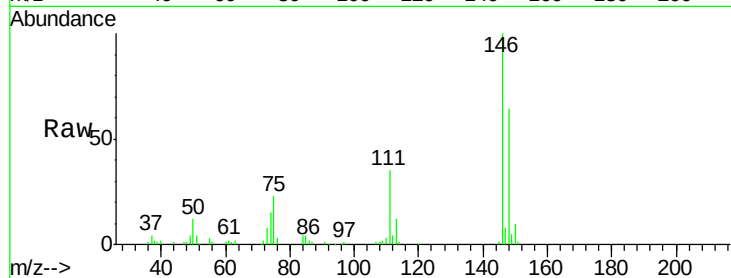
#91
 1,2-Dichlorobenzene
 Concen: 20.167 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0611WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	19.1	57.5
148	63.9	31.9	95.9

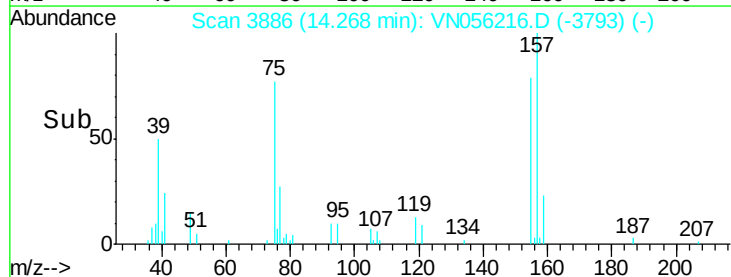
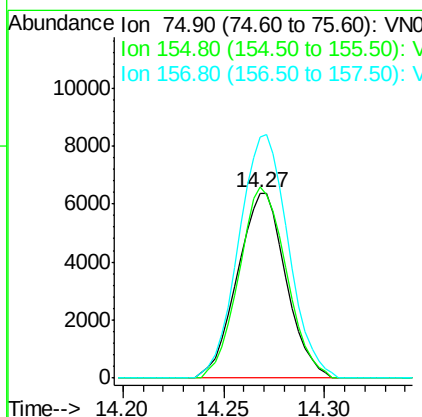
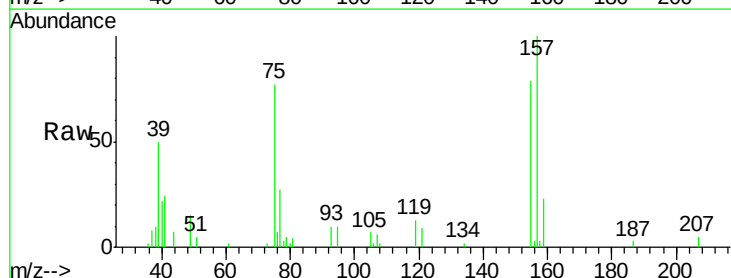
Manual Integrations
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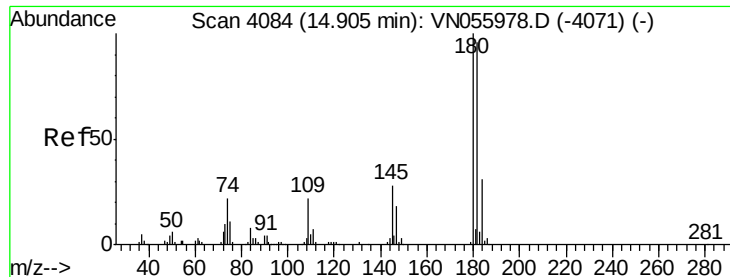
MMDadoda
 6/12/2019 11:11:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.335 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	50.0	150.1
157	134.4	64.8	194.3





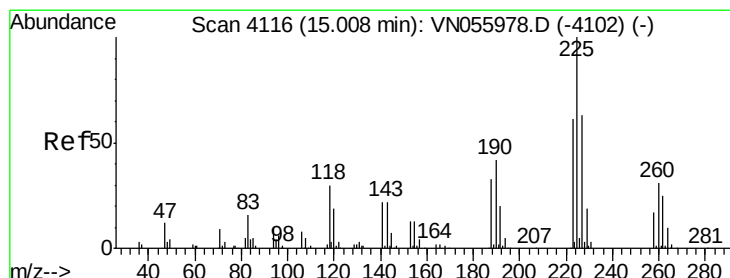
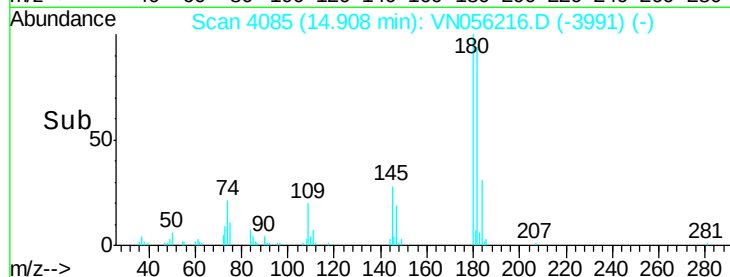
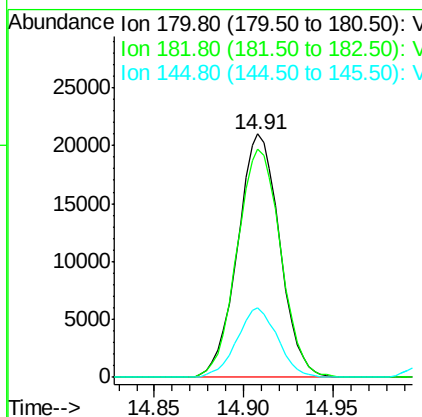
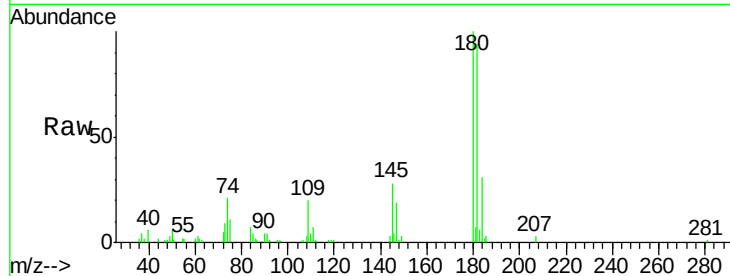
#93
 1,2,4-Trichlorobenzene
 Concen: 16.079 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0611WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.9
145	27.6	14.0	41.9

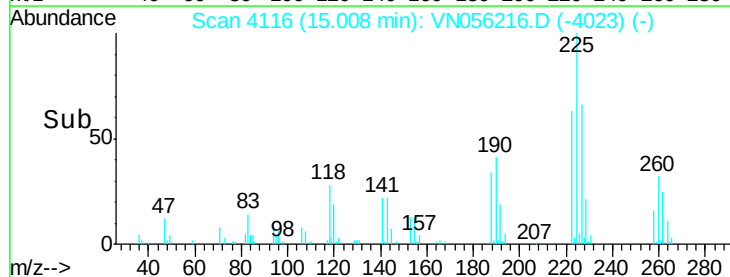
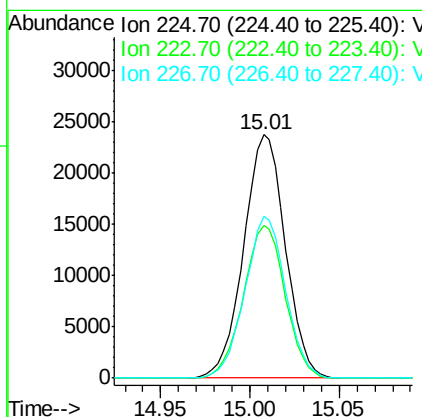
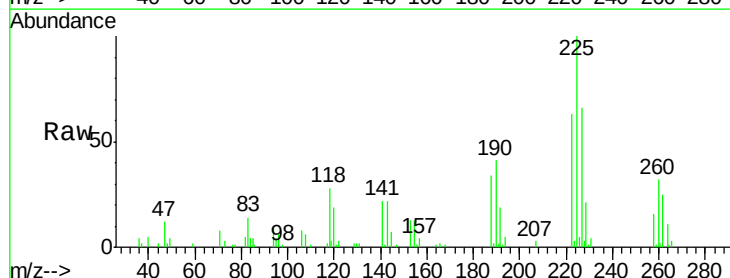
Manual Integrations
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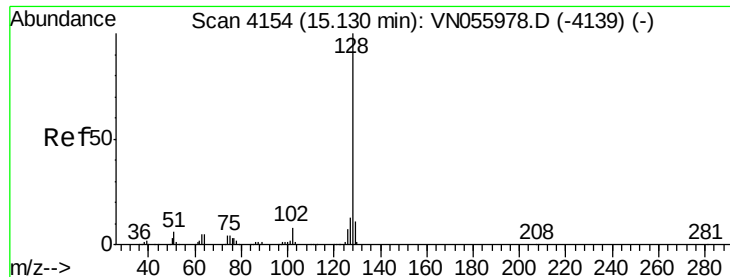
MMDadoda
 6/12/2019 11:11:26 AM



#94
 Hexachlorobutadiene
 Concen: 22.118 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.7
227	65.0	31.6	94.7





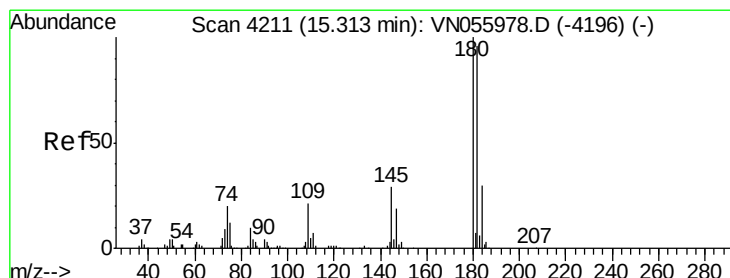
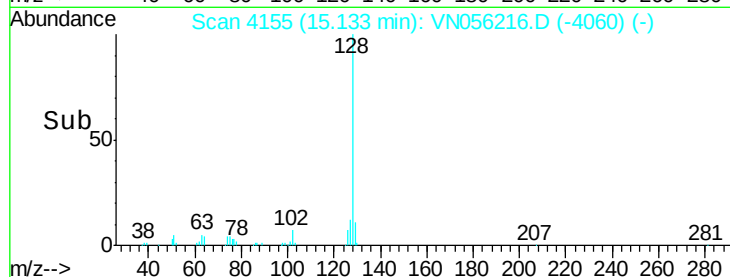
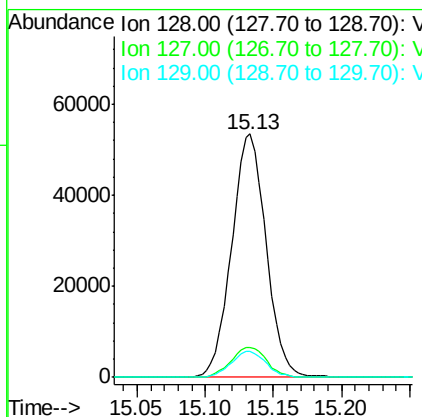
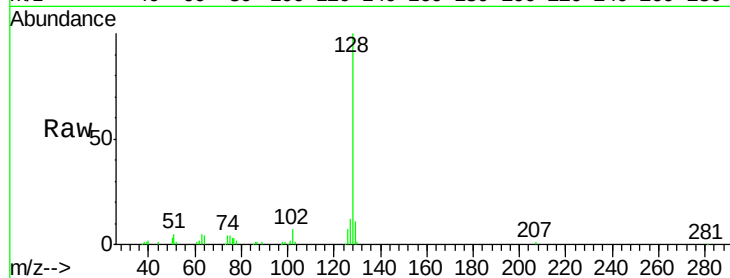
#95
Naphthalene
Concen: 16.345 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/12/2019 11:11:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.338 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.7
145	28.4	14.9	44.7

