

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056196.D
 Acq On : 11 Jun 2019 3:30
 Operator : JC/SP
 Sample : VN0610WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:58:31 AM

Quant Time: Jun 11 05:36:09 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	274102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	404836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	369849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	140592	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.59	113	128296	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.09	98	469631	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	157445	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	59428	19.950	ug/l	99
3) Chloromethane	2.06	50	63538	21.384	ug/l	99
4) Vinyl Chloride	2.18	62	63070	21.161	ug/l	100
5) Bromomethane	2.53	94	36646	19.464	ug/l	99
6) Chloroethane	2.68	64	36187	20.941	ug/l	98
7) Trichlorofluoromethane	3.00	101	78706	20.685	ug/l	94
8) Diethyl Ether	3.40	74	31213	19.948	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48001	20.768	ug/l	99
10) Methyl Iodide	3.93	142	61315	16.693	ug/l	99
11) Tert butyl alcohol	4.82	59	47269	99.804	ug/l	99
12) 1,1-Dichloroethene	3.72	96	47944	20.836	ug/l	97
13) Acrolein	3.60	56	10654	77.997	ug/l	98
14) Allyl chloride	4.31	41	73229	20.154	ug/l	97
15) Acrylonitrile	4.99	53	139650	121.127	ug/l	100
16) Acetone	3.82	43	114500	87.965	ug/l	99
17) Carbon Disulfide	4.03	76	99993	18.149	ug/l	99
18) Methyl Acetate	4.33	43	66410	25.692	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	155669	21.224	ug/l	99
20) Methylene Chloride	4.54	84	57553	21.461	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	50300	20.402	ug/l	97
22) Diisopropyl ether	5.95	45	161381	21.486	ug/l	99
23) Vinyl Acetate	5.90	43	618342	104.540	ug/l	100
24) 1,1-Dichloroethane	5.84	63	93306	21.536	ug/l	99
25) 2-Butanone	6.84	43	181453	110.332	ug/l	100
26) 2,2-Dichloropropane	6.82	77	41962	12.412	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	61762	21.311	ug/l	94
28) Bromochloromethane	7.19	49	45596	22.254	ug/l	99
29) Tetrahydrofuran	7.22	42	119657	117.704	ug/l	99
30) Chloroform	7.37	83	95666	21.950	ug/l	99
31) Cyclohexane	7.65	56	83524	19.340	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	78105	21.460	ug/l	99
36) 1,1-Dichloropropene	7.79	75	66603	19.133	ug/l	98
37) Ethyl Acetate	6.93	43	72253	23.328	ug/l	99
38) Carbon Tetrachloride	7.77	117	66440	20.702	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	77281	17.822	ug/l	97
40) Benzene	8.04	78	217750	20.596	ug/l	98
41) Methacrylonitrile	7.18	41	33096	23.225	ug/l	96
42) 1,2-Dichloroethane	8.12	62	71195	20.934	ug/l	100
43) Isopropyl Acetate	8.17	43	105294	20.979	ug/l #	92
44) Trichloroethene	8.83	130	62971	20.728	ug/l	100
45) 1,2-Dichloropropane	9.12	63	57751	21.325	ug/l	96
46) Dibromomethane	9.21	93	38496	21.738	ug/l	97
47) Bromodichloromethane	9.40	83	70819	22.065	ug/l	98
48) Methyl methacrylate	9.20	41	54100	22.033	ug/l	97
49) 1,4-Dioxane	9.21	88	24473	461.665	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	354604	112.980	ug/l	99
52) Toluene	10.16	92	137812	20.947	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62473	18.204	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	75681	19.617	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	57408	22.029	ug/l	97
56) Ethyl methacrylate	10.43	69	81598	21.462	ug/l	98
57) 1,3-Dichloropropane	10.71	76	91662	21.636	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	137141	100.440	ug/l	100
59) 2-Hexanone	10.75	43	250194	109.984	ug/l	100
60) Dibromochloromethane	10.90	129	56934	21.289	ug/l	98
61) 1,2-Dibromoethane	11.00	107	57836	21.709	ug/l	99
64) Tetrachloroethene	10.63	164	68707	21.461	ug/l	98
65) Chlorobenzene	11.43	112	147193	19.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	54071	21.275	ug/l	99
67) Ethyl Benzene	11.51	91	251581	19.656	ug/l	98
68) m/p-Xylenes	11.62	106	194520	39.784	ug/l	99
69) o-Xylene	11.95	106	96164	19.995	ug/l	99
70) Styrene	11.96	104	156367	20.462	ug/l	99
71) Bromoform	12.13	173	40783	20.807	ug/l #	99
73) Isopropylbenzene	12.25	105	252096	22.069	ug/l	99
74) N-amyl acetate	12.07	43	85151	21.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	79100	22.564	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	68352m	24.599	ug/l	
77) Bromobenzene	12.53	156	69436	21.477	ug/l	95
78) n-propylbenzene	12.59	91	257697	20.172	ug/l	99
79) 2-Chlorotoluene	12.67	91	163905	21.822	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	206482	20.337	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	14738	17.664	ug/l #	84
82) 4-Chlorotoluene	12.77	91	150293	20.109	ug/l	99
83) tert-Butylbenzene	12.99	119	187427	22.279	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	199400	20.710	ug/l	99
85) sec-Butylbenzene	13.17	105	229448	20.281	ug/l	99
86) p-Isopropyltoluene	13.29	119	202003	19.950	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	103295	20.643	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97460	20.247	ug/l	99
89) n-Butylbenzene	13.61	91	131739	17.564	ug/l	99
90) Hexachloroethane	13.87	117	32924	21.562	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	106507	21.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11782	23.498	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41277	17.830	ug/l	97
94) Hexachlorobutadiene	15.01	225	39367	21.533	ug/l	99
95) Naphthalene	15.13	128	229580	33.189	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49956	19.571	ug/l	99

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

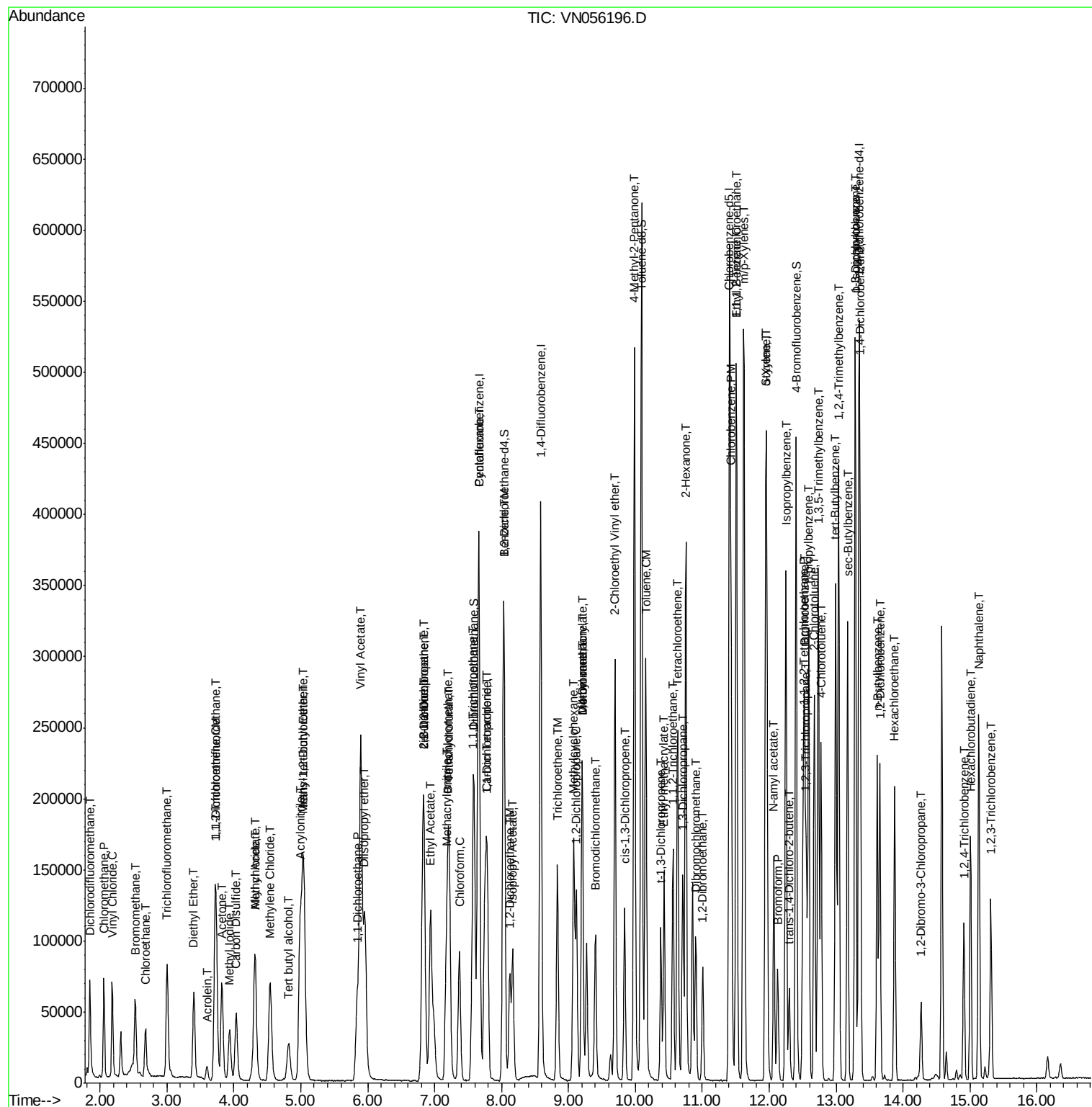
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
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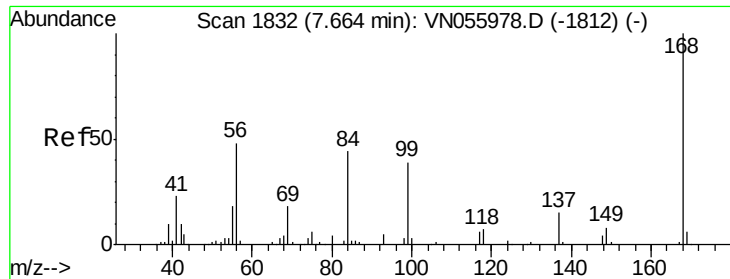
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

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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: VN056196.D

Acq: 11 Jun 2019 3:30

Tot Ion: 168 Resp: 274102

Ion Ratio Lower Upper

168 100

99 44.3 37.2 55.8

Instrument :

MSVOA_N

ClientSampleId :

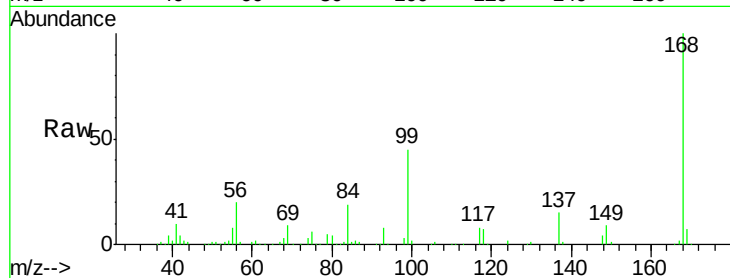
VN0610WBSD02

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

60000

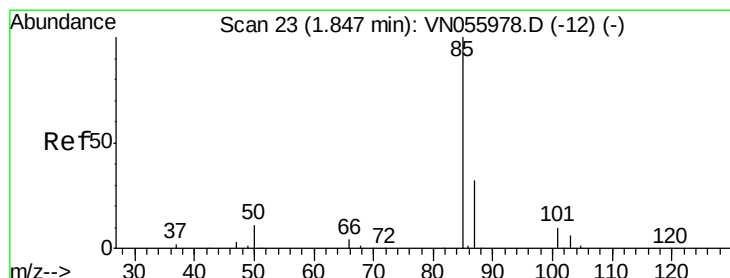
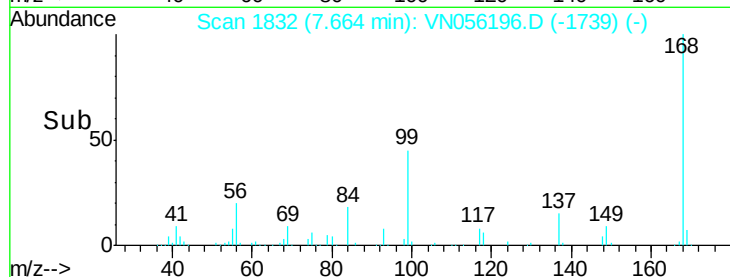
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.950 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056196.D

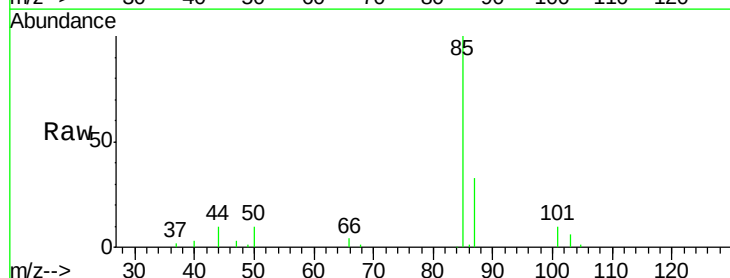
Acq: 11 Jun 2019 3:30

Tgt Ion: 85 Resp: 59428

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

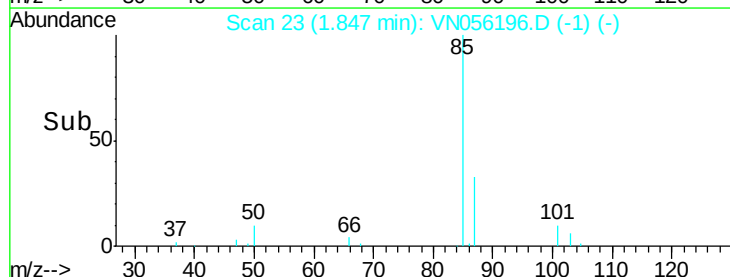
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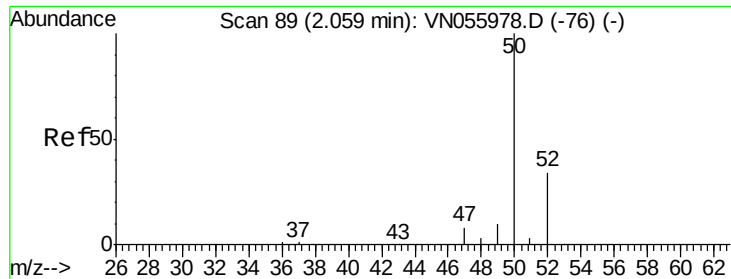
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.384 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 50 Resp: 63538

Ion Ratio Lower Upper

50 100

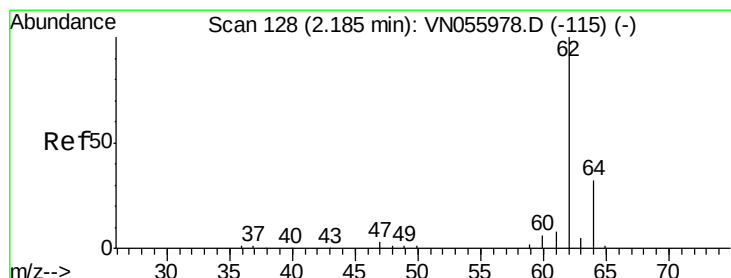
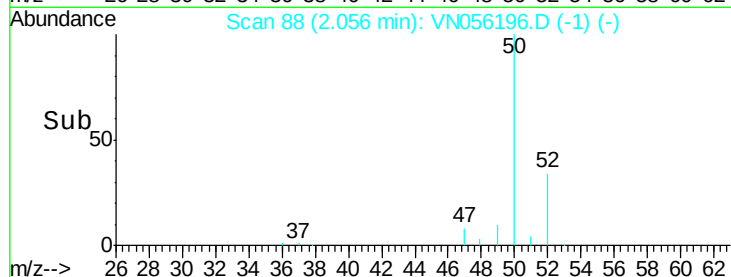
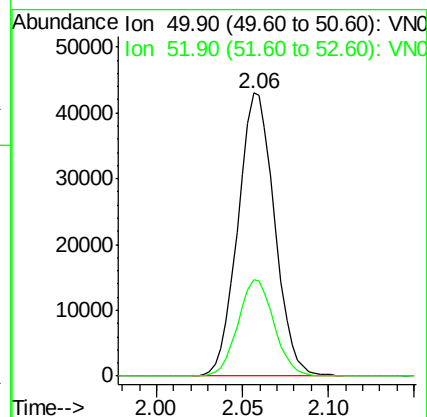
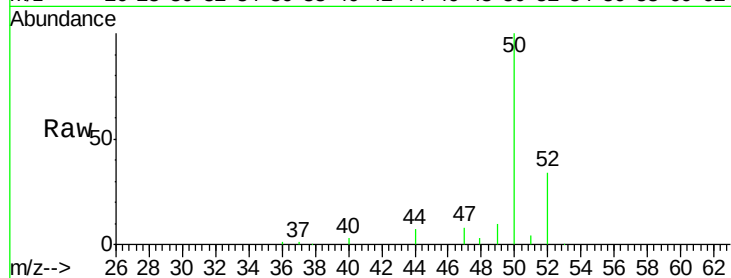
52 33.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.161 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056196.D

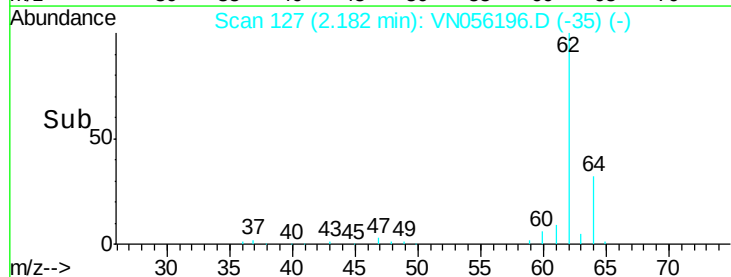
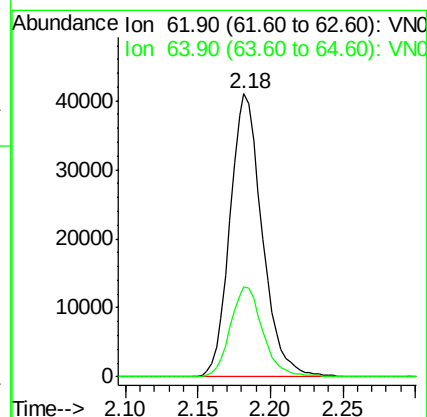
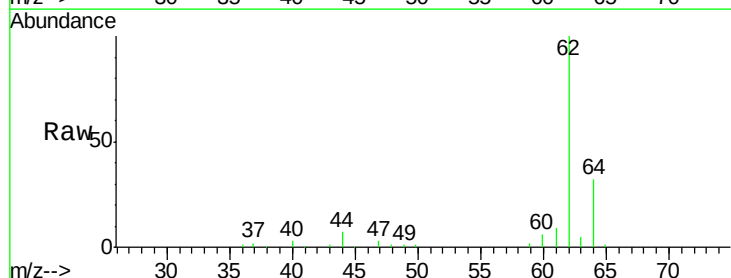
Acq: 11 Jun 2019 3:30

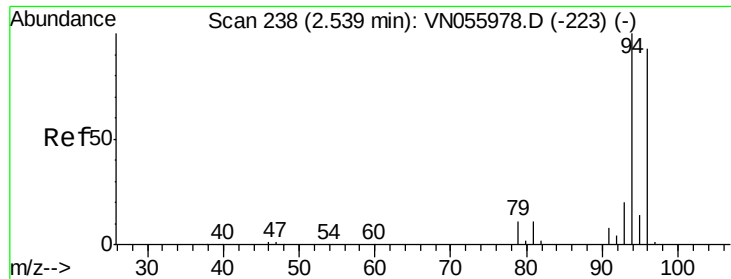
Tgt Ion: 62 Resp: 63070

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 19.464 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

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ClientSampleId :

VN0610WBSD02

Tot Ion: 94 Resp: 36646

Ion Ratio Lower Upper

94 100

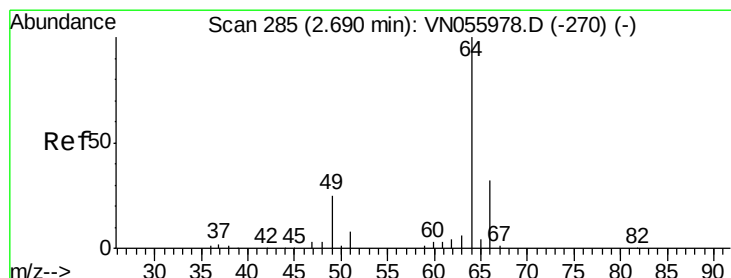
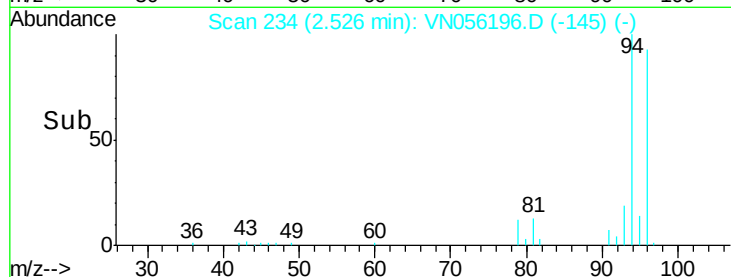
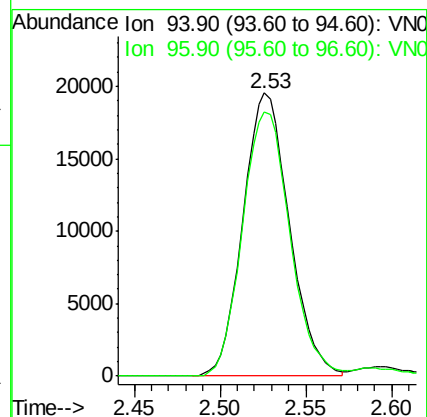
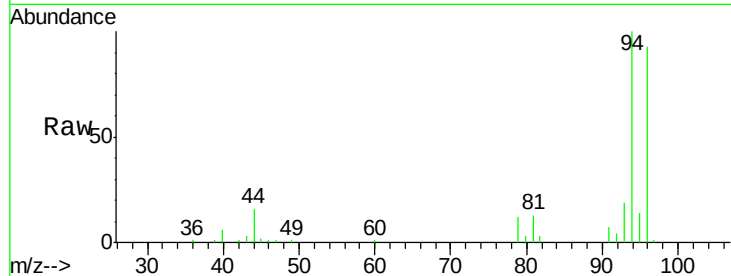
96 93.1 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 20.941 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056196.D

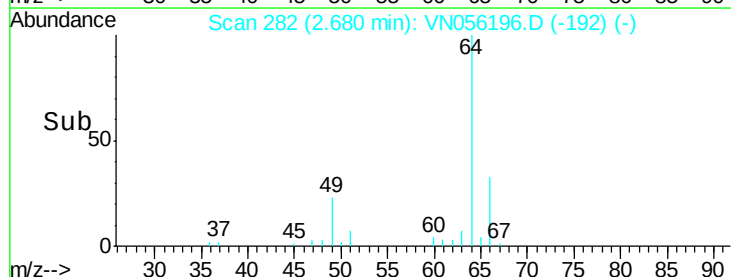
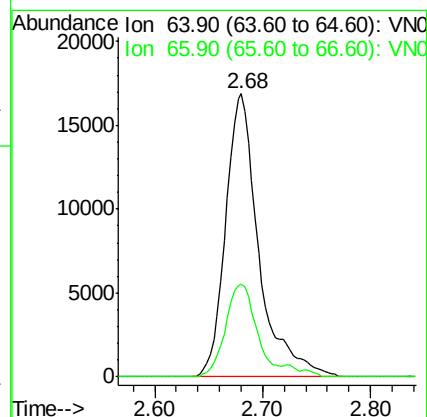
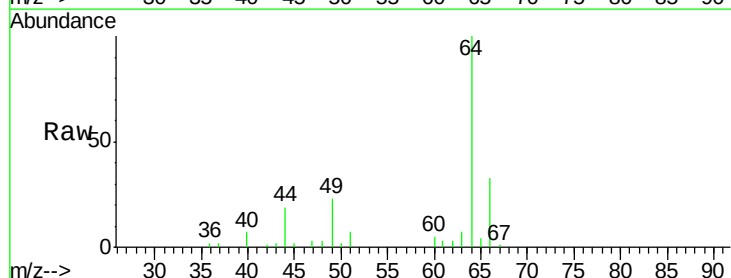
Acq: 11 Jun 2019 3:30

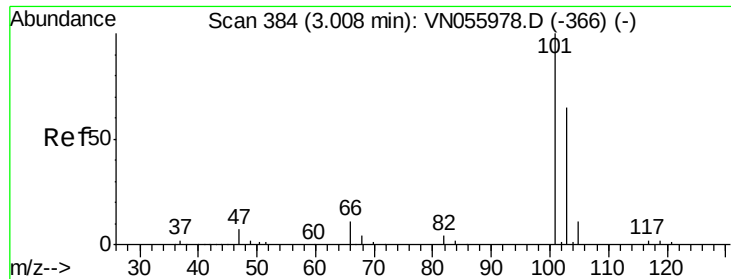
Tgt Ion: 64 Resp: 36187

Ion Ratio Lower Upper

64 100

66 32.9 25.4 38.0





#7

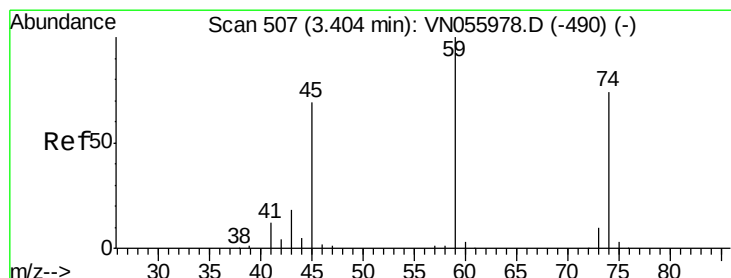
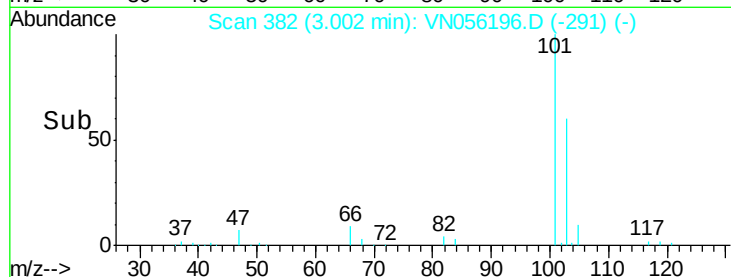
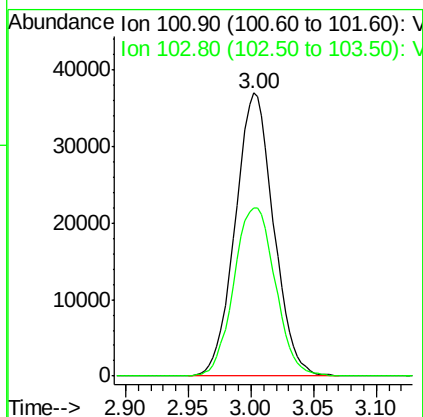
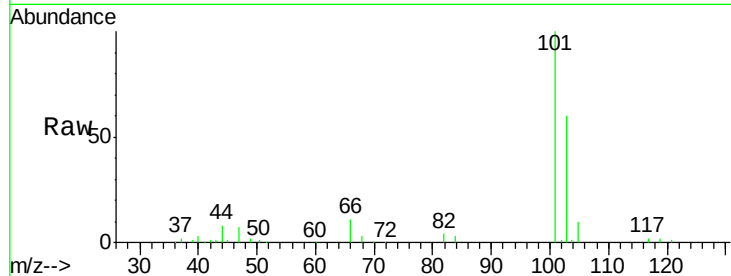
Trichlorofluoromethane
Concen: 20.685 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion:101 Resp: 78706
Ion Ratio Lower Upper
101 100
103 59.6 51.2 76.8

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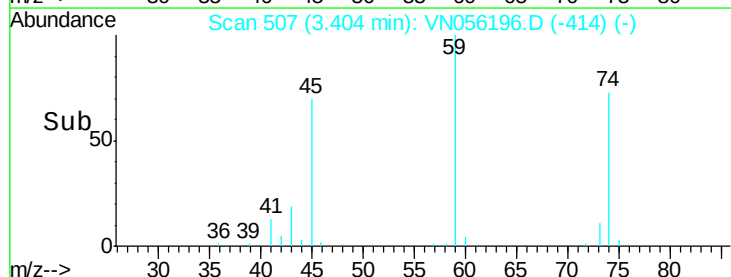
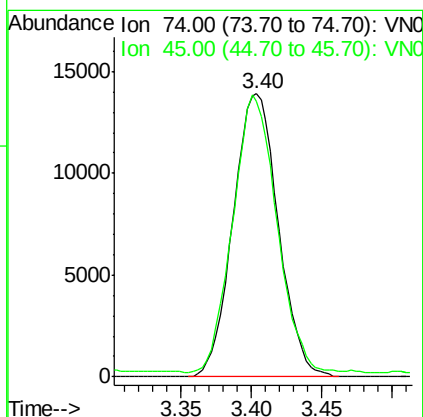
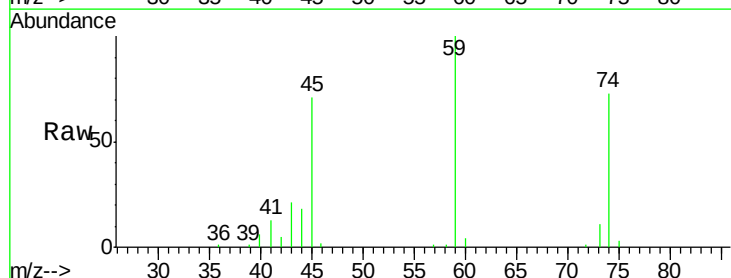
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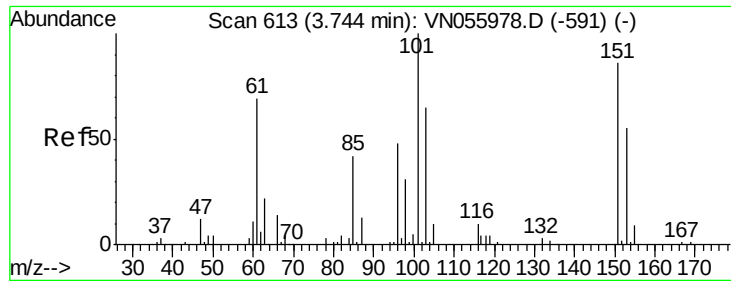


#8

Diethyl Ether
Concen: 19.948 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 74 Resp: 31213
Ion Ratio Lower Upper
74 100
45 94.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.768 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

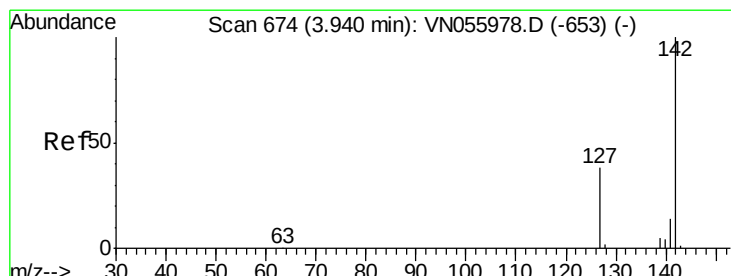
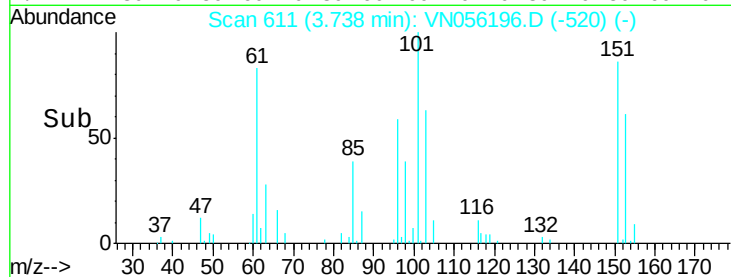
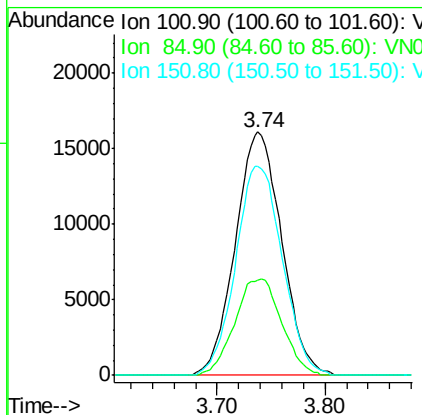
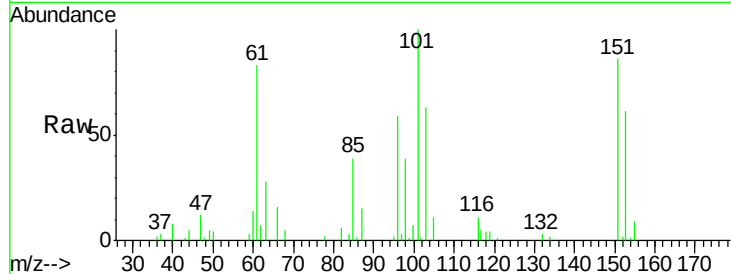
ClientSampleId :

VN0610WBSD02

Tot Ion:	101	Resp:	48001
Ion Ratio	Lower	Upper	
101	100		
85	40.0	33.4	50.2
151	87.0	69.4	104.2

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#10

Methyl Iodide

Concen: 16.693 ug/l

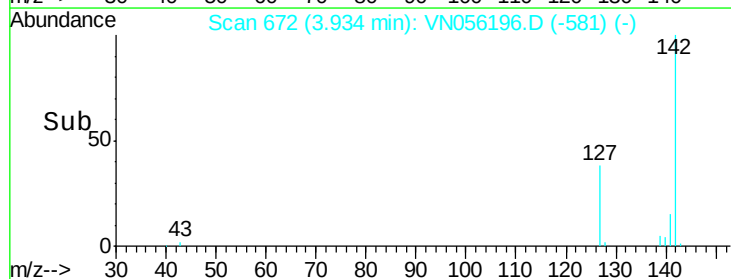
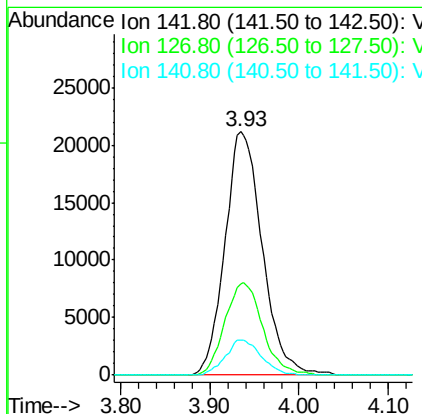
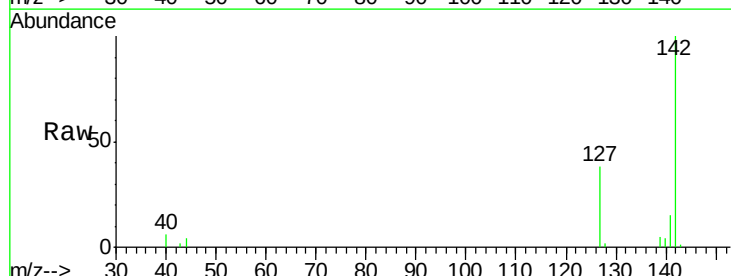
RT: 3.93 min Scan# 672

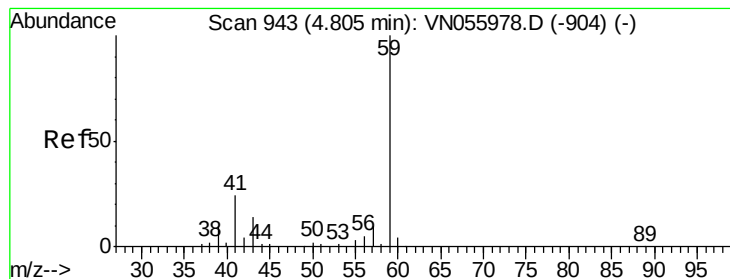
Delta R.T. -0.01 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	142	Resp:	61315
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	13.9	11.4	17.0





#11

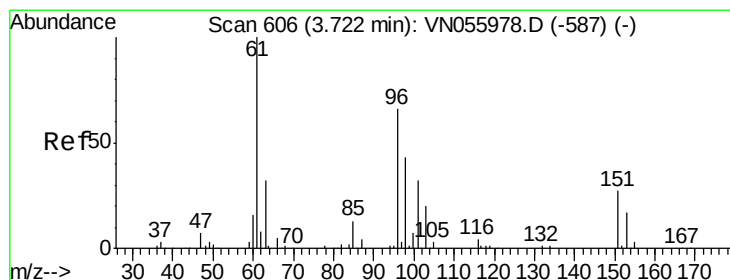
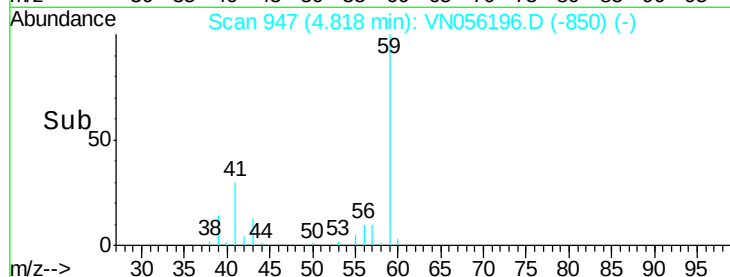
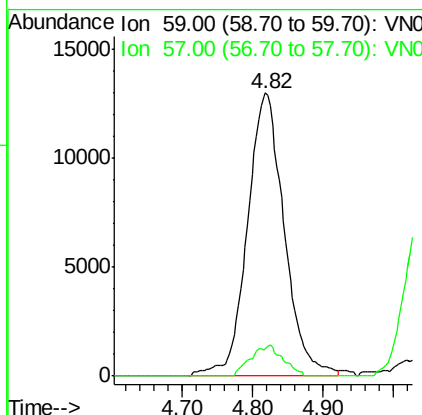
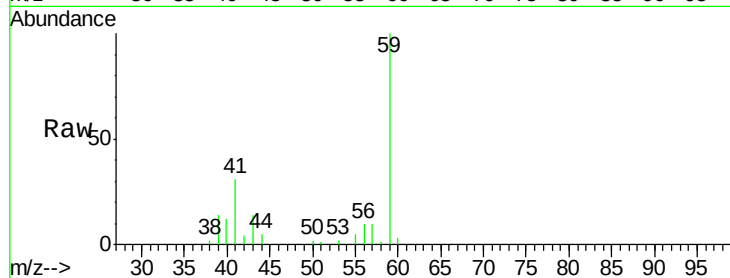
Tert butyl alcohol
 Concen: 99.804 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

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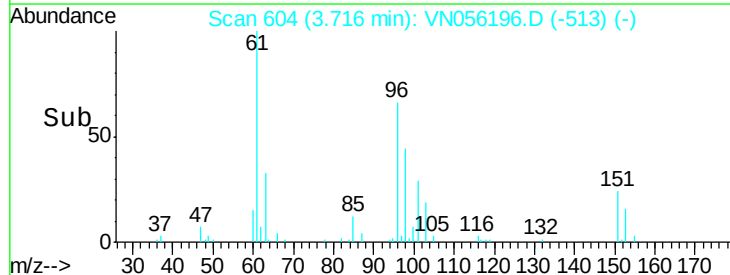
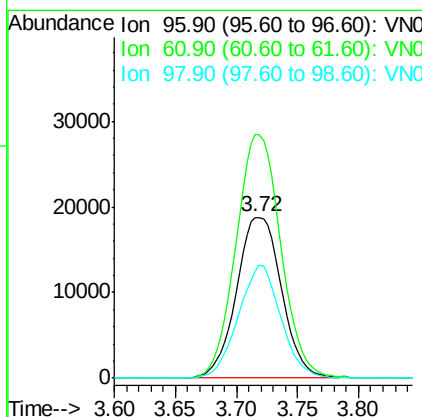
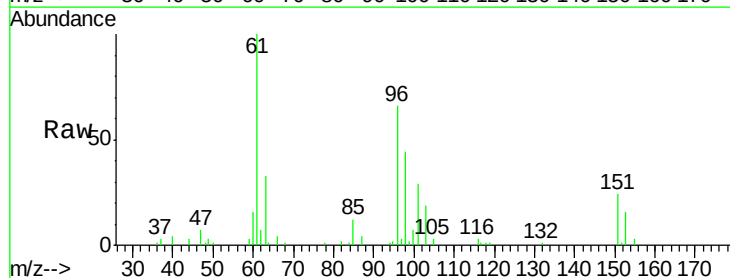
MMDadoda
 6/11/2019 11:58:31 AM

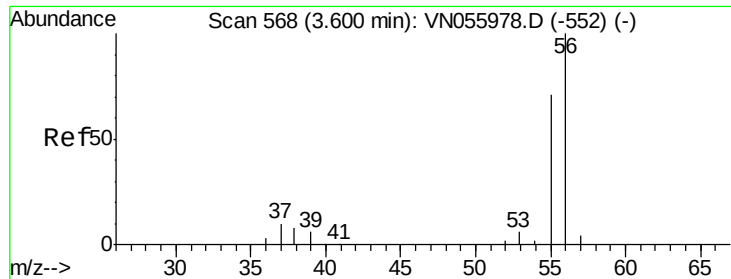


#12

1,1-Dichloroethene
 Concen: 20.836 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	123.2	184.8
98	66.1	50.4	75.6





#13

Acrolein

Concen: 77.997 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 56 Resp: 10654

Ion Ratio Lower Upper

56 100

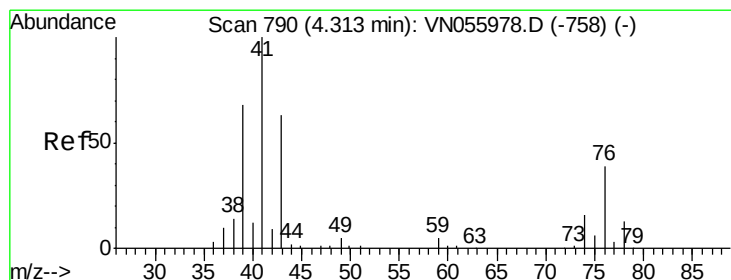
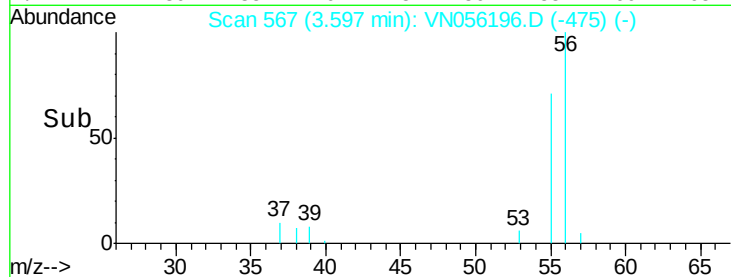
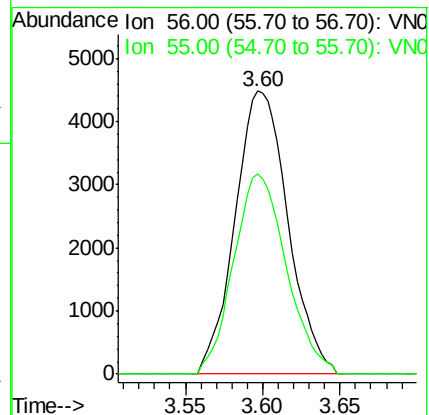
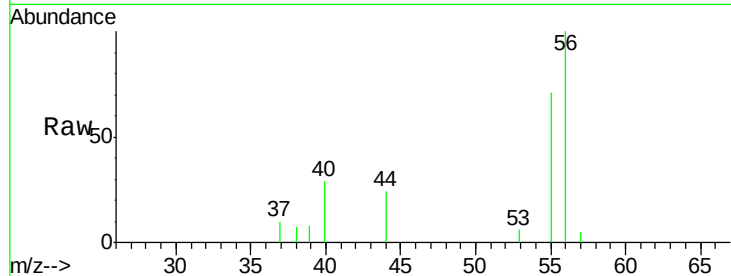
55 70.6 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.154 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

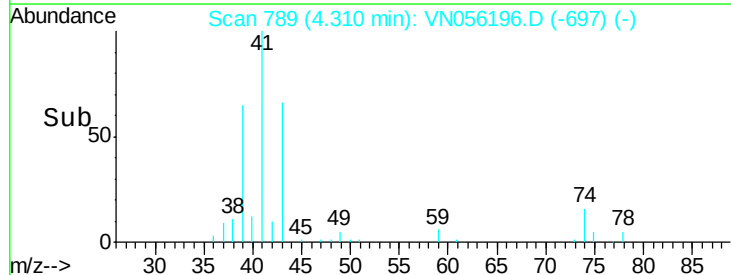
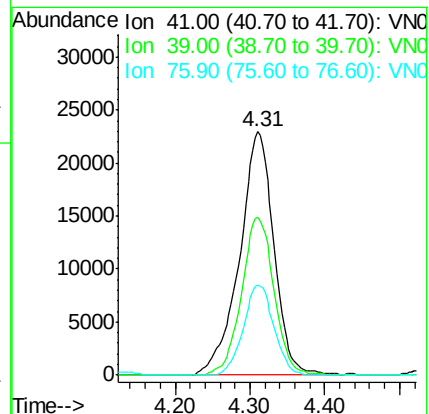
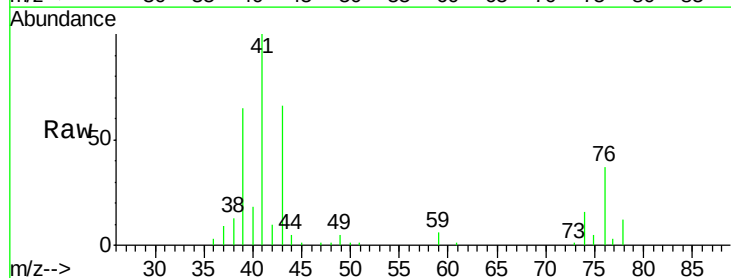
Tgt Ion: 41 Resp: 73229

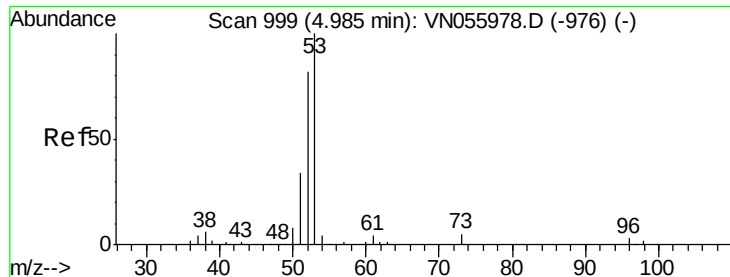
Ion Ratio Lower Upper

41 100

39 61.2 50.0 75.0

76 32.6 28.2 42.2





#15

Acrylonitrile

Concen: 121.127 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

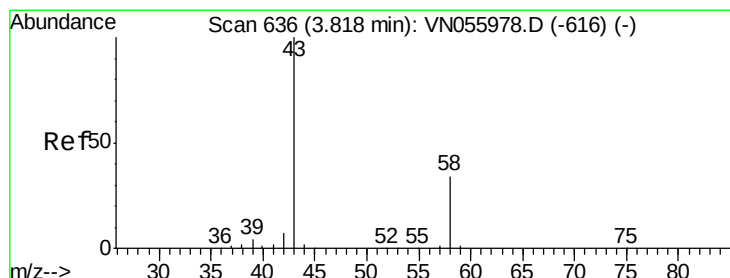
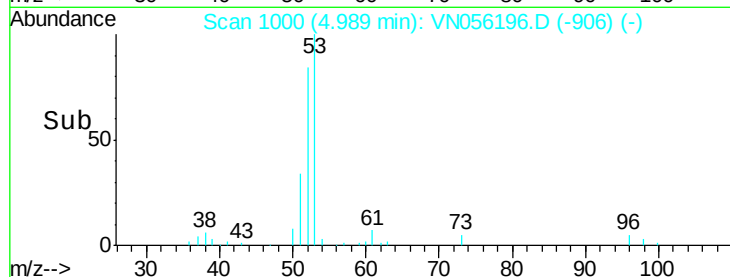
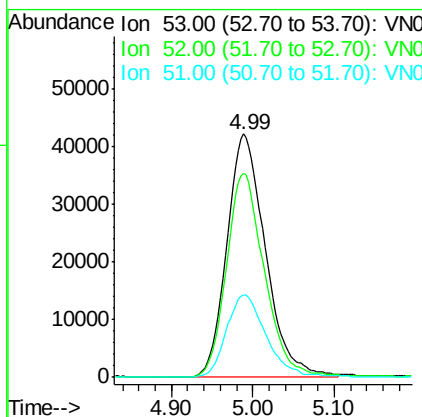
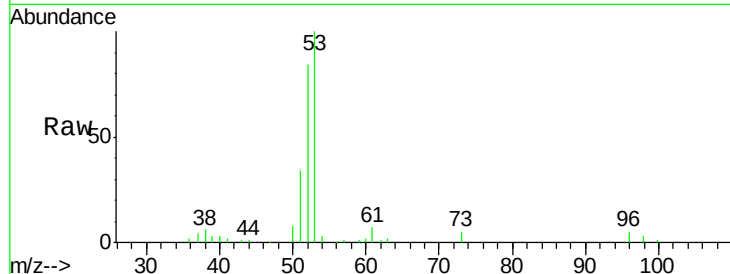
ClientSampleId :

VN0610WBSD02

Tot Ion:	53	Resp:	139650
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 87.965 ug/l

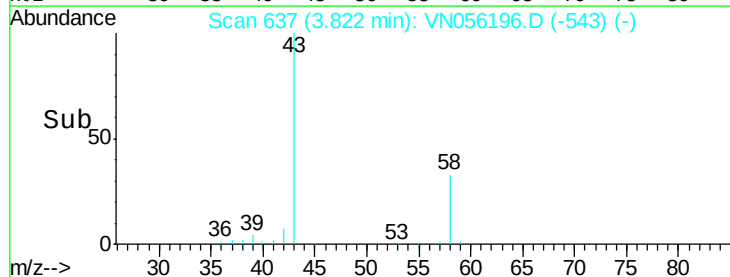
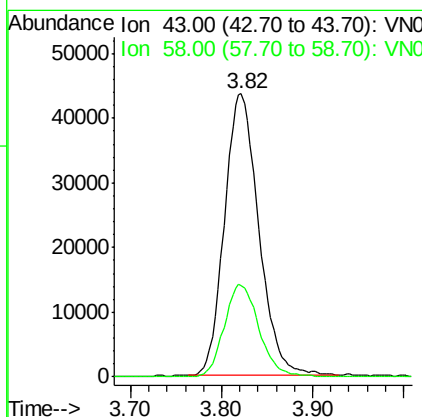
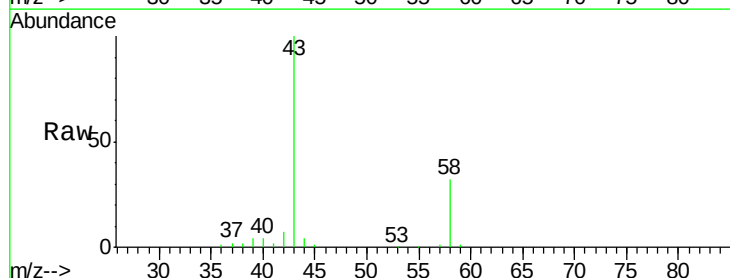
RT: 3.82 min Scan# 637

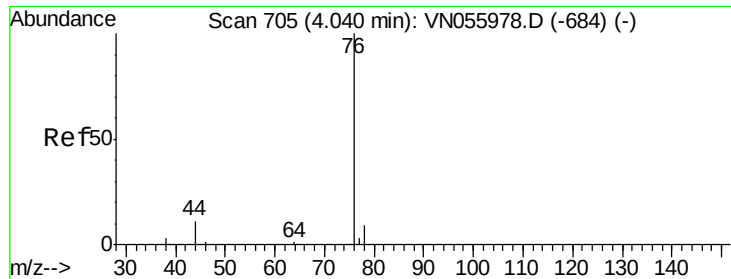
Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	43	Resp:	114500
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8





#17

Carbon Disulfide

Concen: 18.149 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 76 Resp: 99993

Ion Ratio Lower Upper

76 100

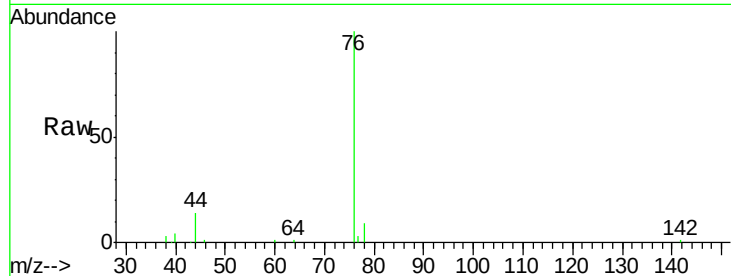
78 8.8 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

40000

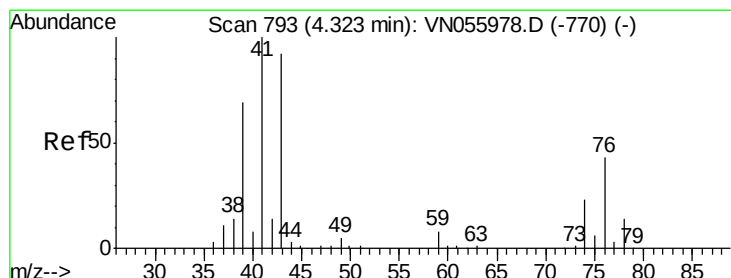
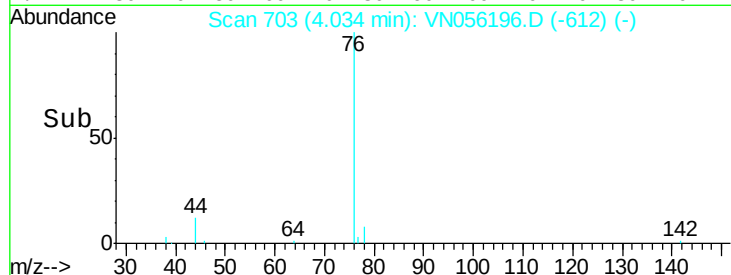
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 25.692 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056196.D

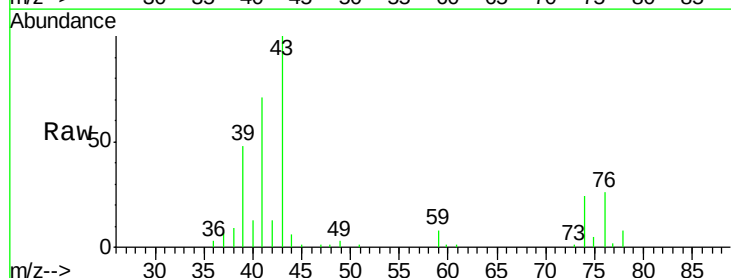
Acq: 11 Jun 2019 3:30

Tgt Ion: 43 Resp: 66410

Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

25000

20000

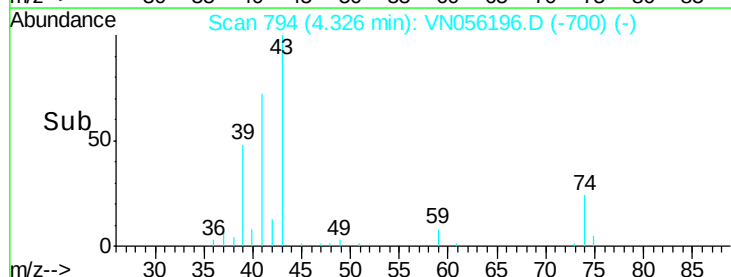
15000

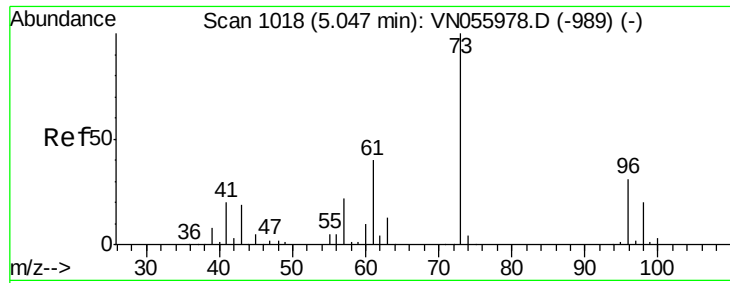
10000

5000

0

Time-->





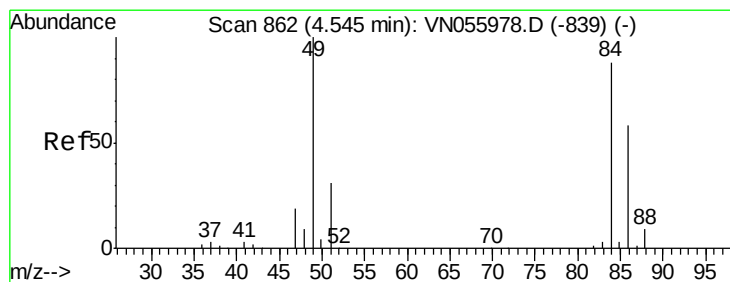
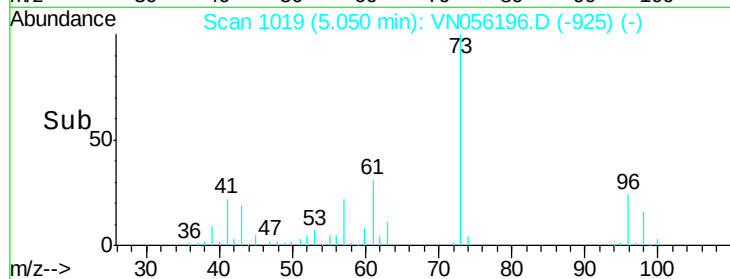
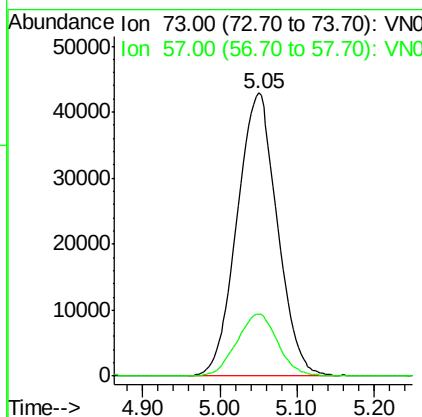
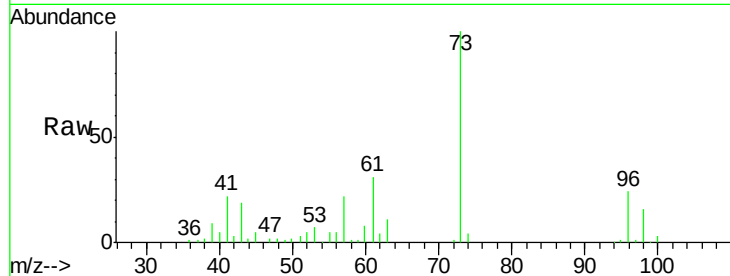
#19
Methyl tert-butyl Ether
Concen: 21.224 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion: 73 Resp: 155669
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

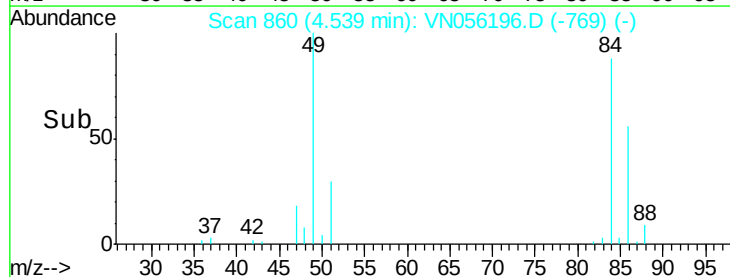
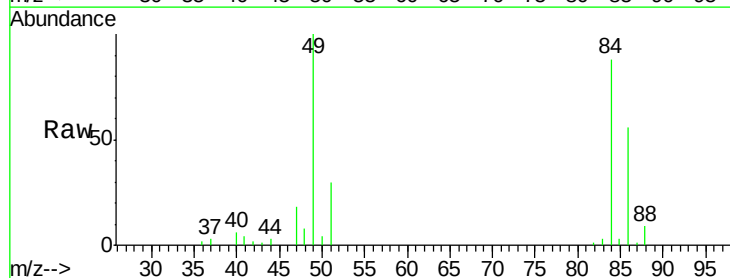
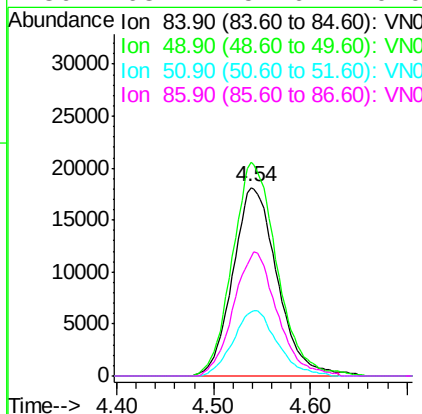
Manual Integrations
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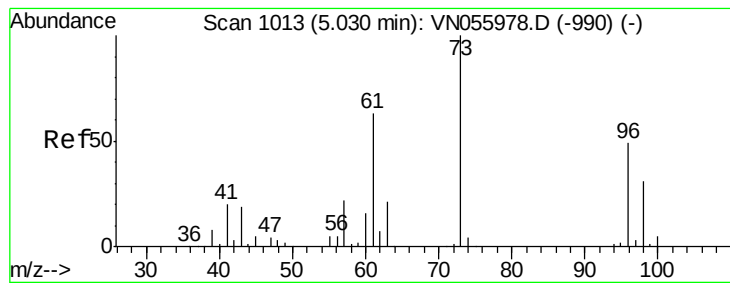
MMDadoda
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#20
Methylene Chloride
Concen: 21.461 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 84 Resp: 57553
Ion Ratio Lower Upper
84 100
49 113.5 93.5 140.3
51 34.3 28.6 43.0
86 63.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.402 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 96 Resp: 50300

Ion Ratio Lower Upper

96 100

61 130.4 107.8 161.8

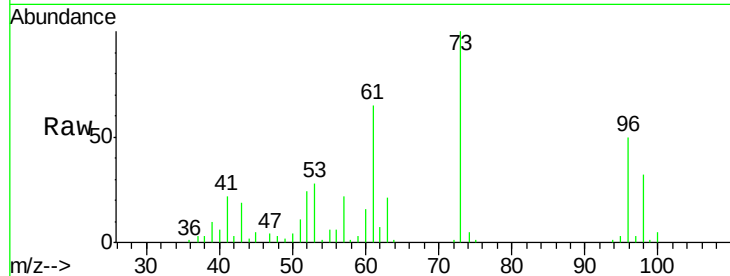
98 64.4 49.8 74.8

Manual Integrations

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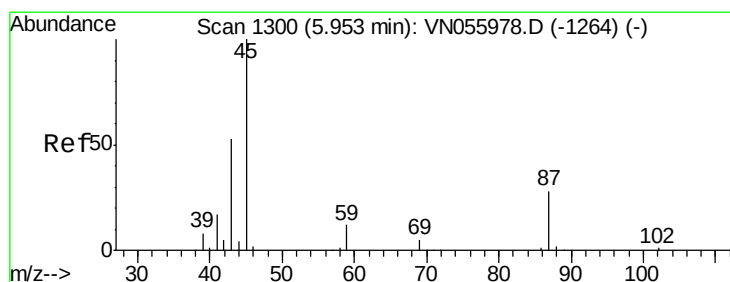
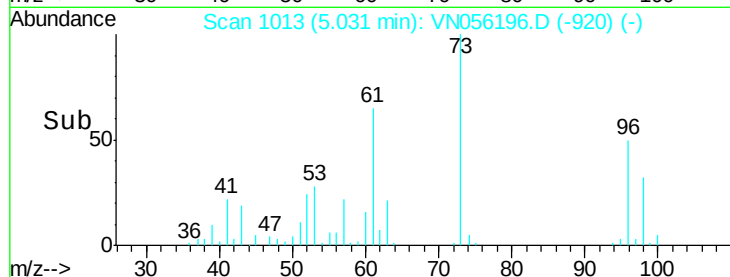
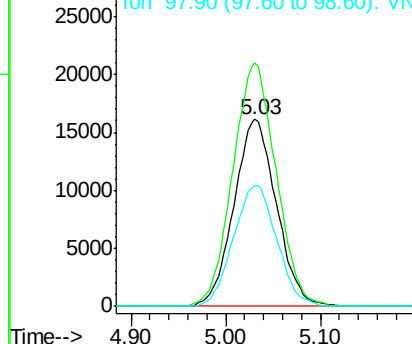


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.486 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion: 45 Resp: 161381

Ion Ratio Lower Upper

45 100

43 56.5 45.0 67.6

87 29.2 22.2 33.4

59 12.1 9.1 13.7

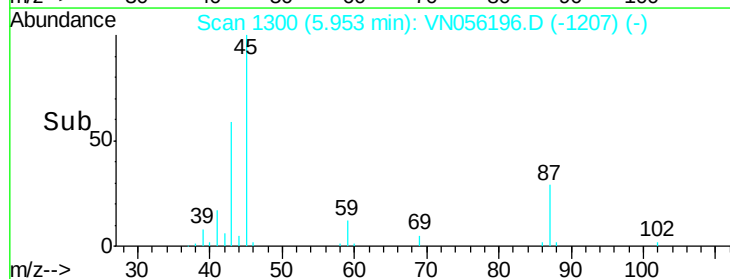
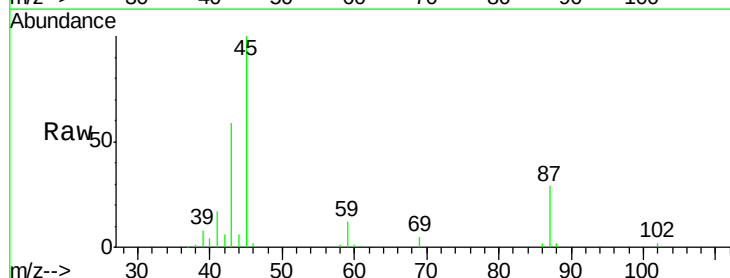
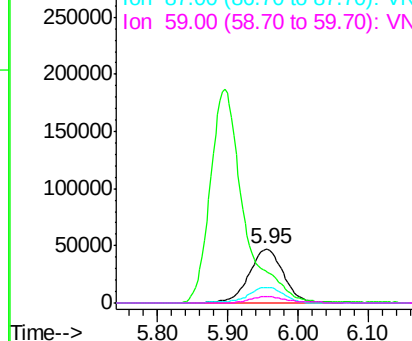
Abundance

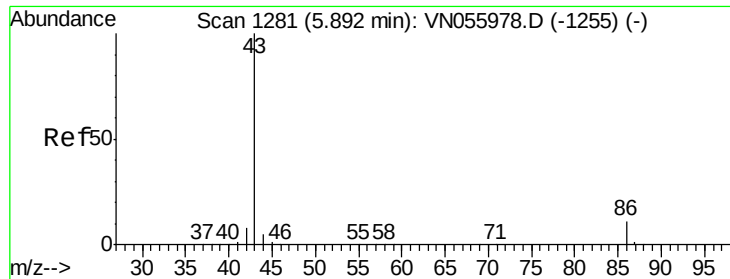
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





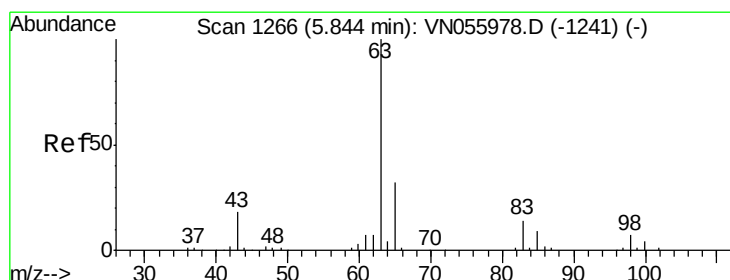
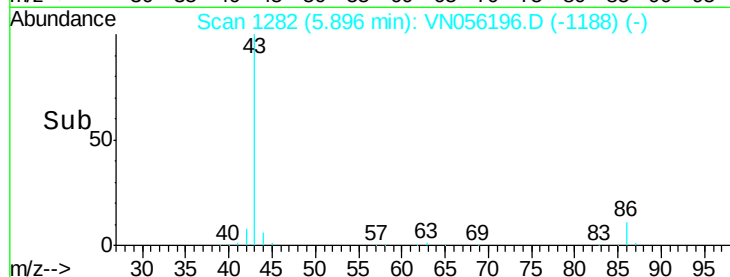
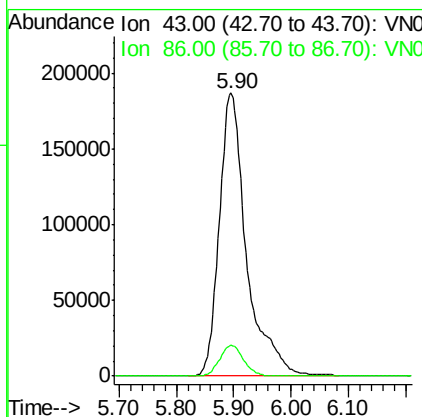
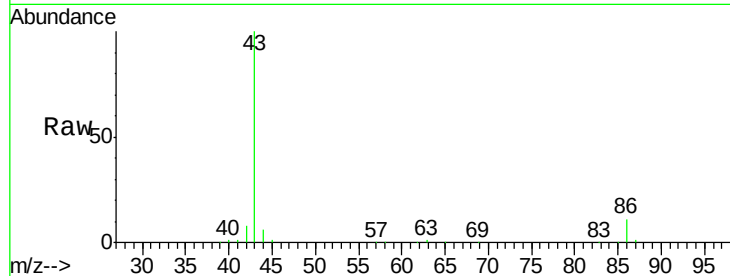
#23
 Vinyl Acetate
 Concen: 104.540 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion: 43 Resp: 618342
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

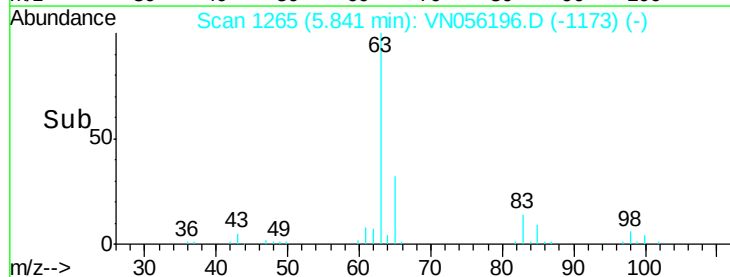
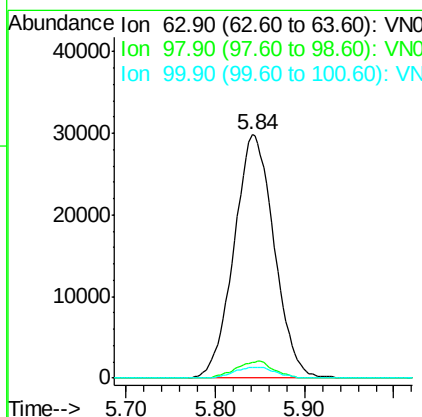
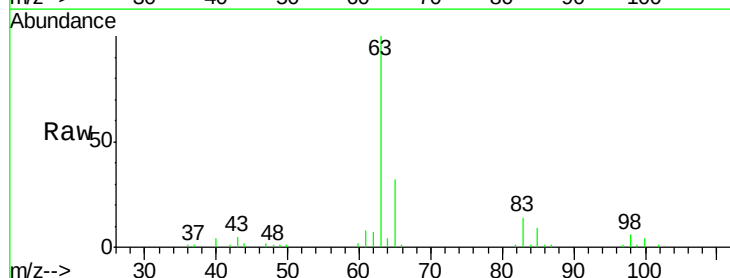
Manual Integrations
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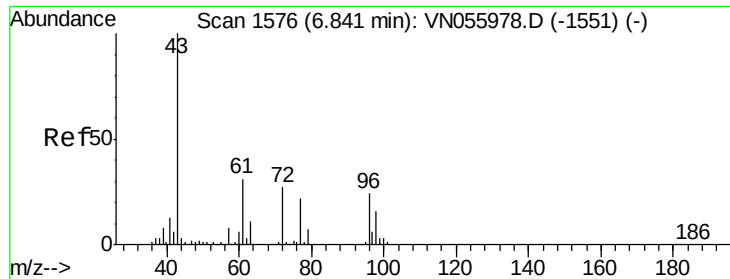
MMDadoda
 6/11/2019 11:58:31 AM



#24
 1,1-Dichloroethane
 Concen: 21.536 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 63 Resp: 93306
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 110.332 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampled :

VN0610WBSD02

Tot Ion: 43 Resp: 181453

Ion Ratio Lower Upper

43 100

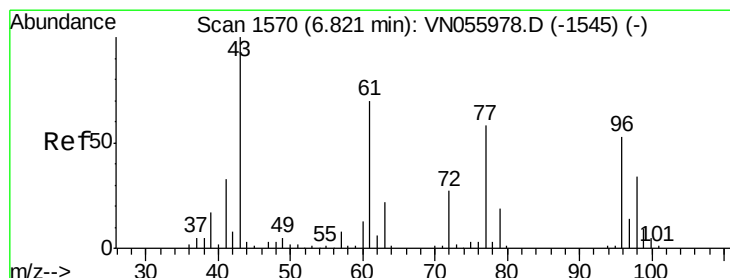
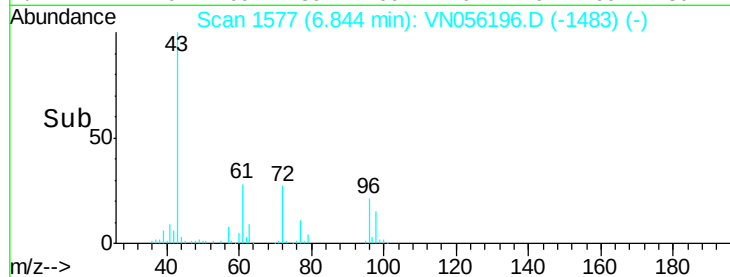
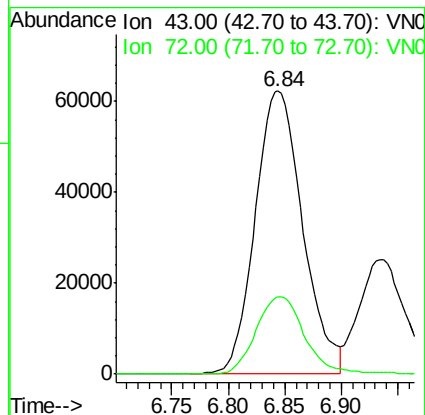
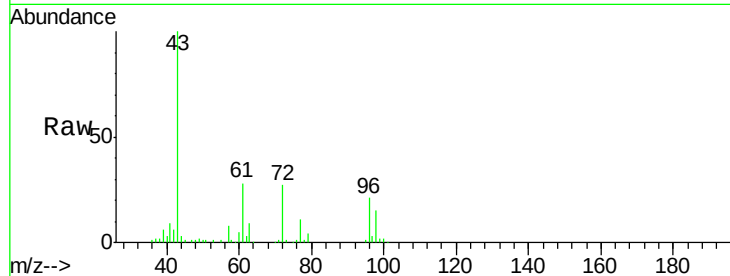
72 27.3 21.9 32.9

Manual Integrations

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6/11/2019 11:58:31 AM



#26

2,2-Dichloropropane

Concen: 12.412 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056196.D

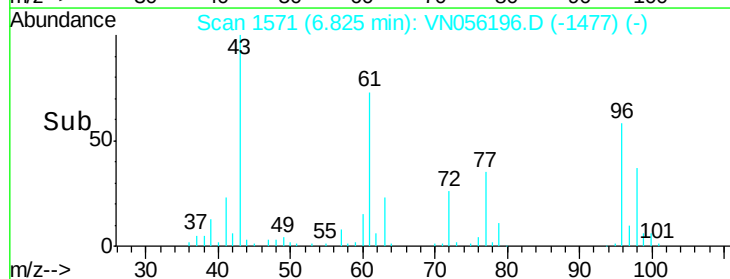
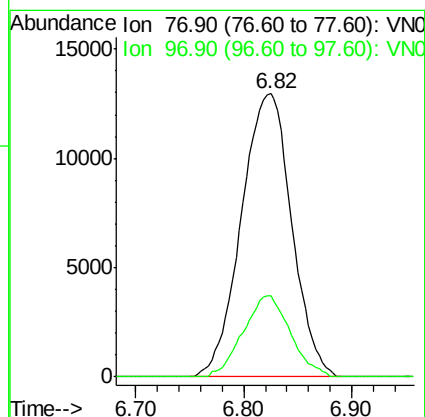
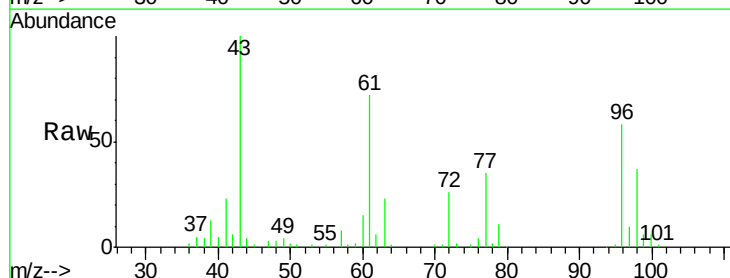
Acq: 11 Jun 2019 3:30

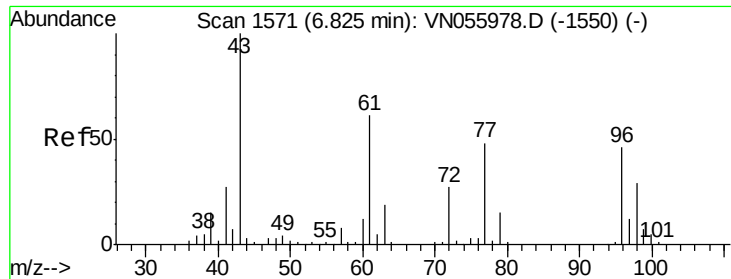
Tgt Ion: 77 Resp: 41962

Ion Ratio Lower Upper

77 100

97 26.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.311 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

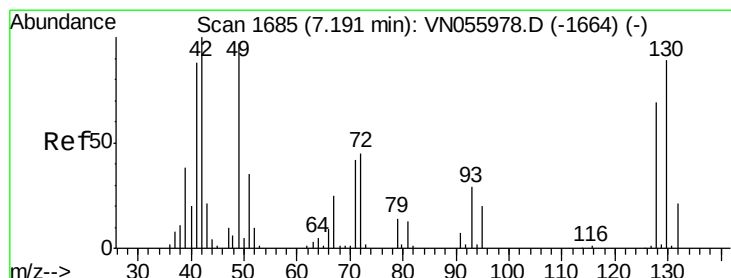
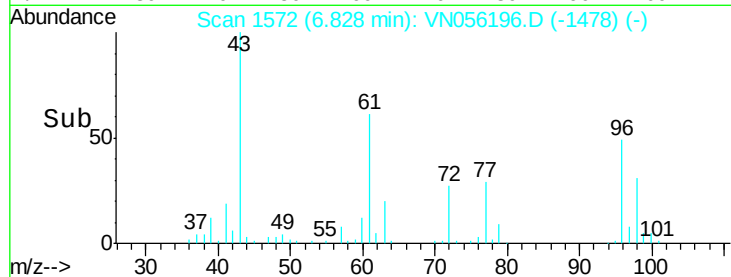
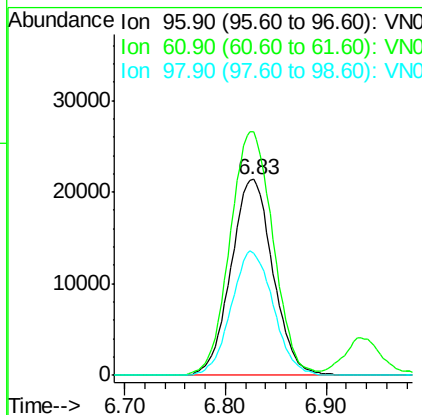
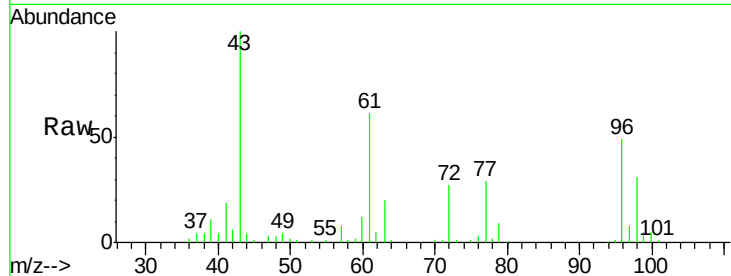
ClientSampled :

VN0610WBSD02

Tot Ion:	96	Resp:	61762
Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	275.8
98	63.6	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 22.254 ug/l

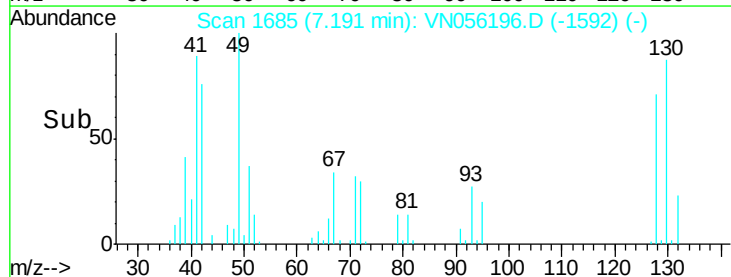
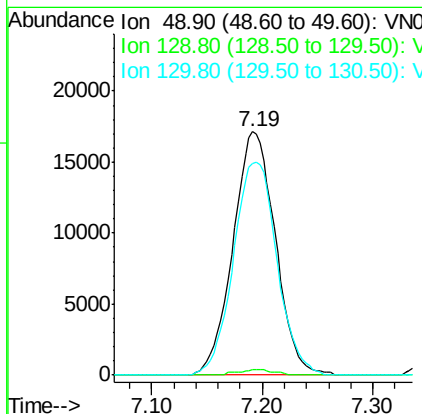
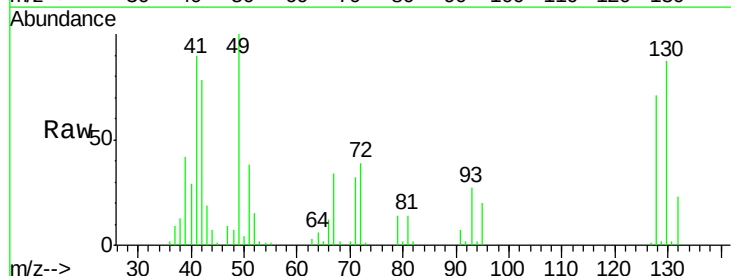
RT: 7.19 min Scan# 1685

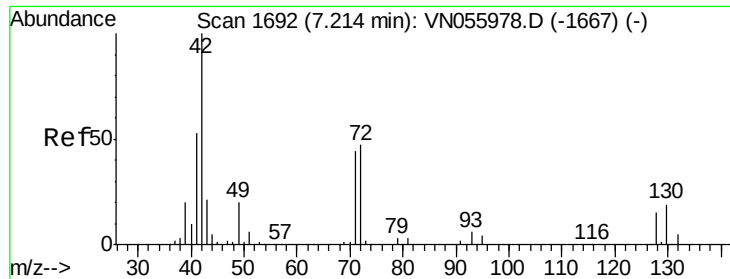
Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	49	Resp:	45596
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	90.1	71.2	106.8





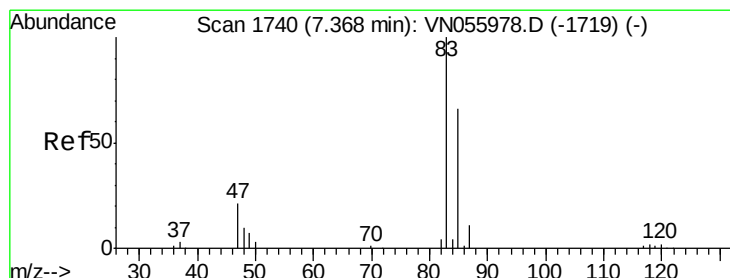
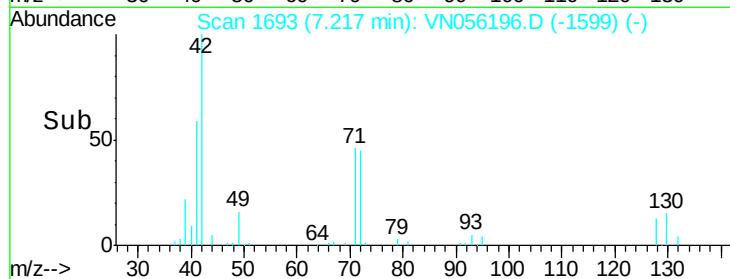
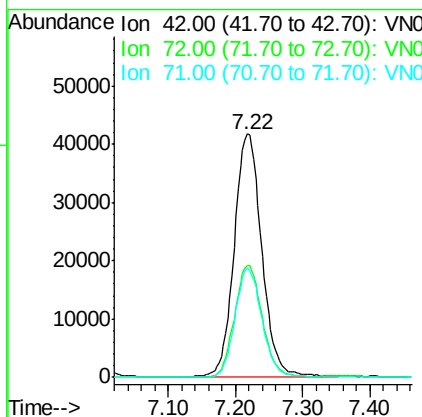
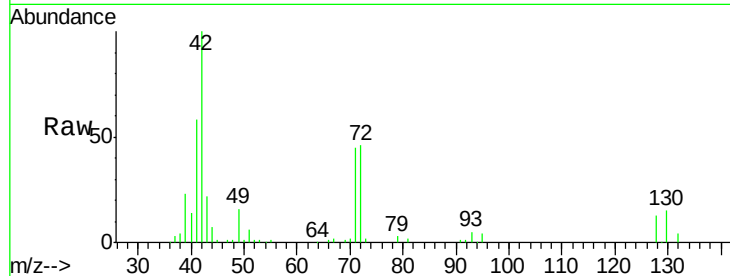
#29
Tetrahydrofuran
Concen: 117.704 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.9	53.9
71	43.3	34.0	51.0

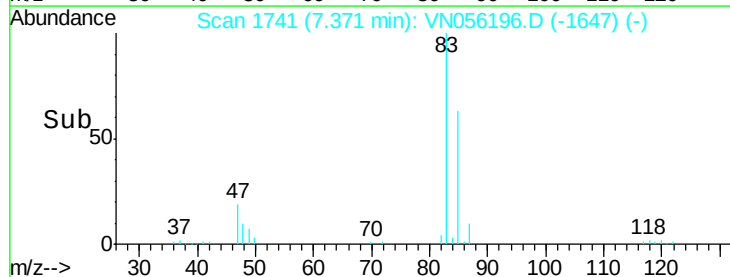
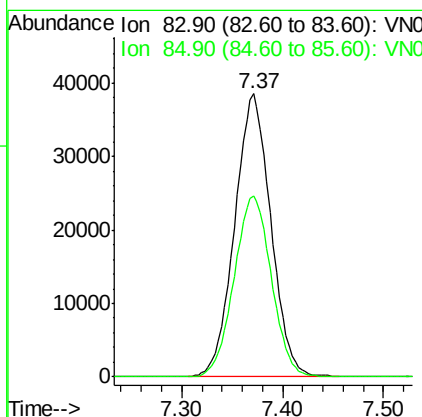
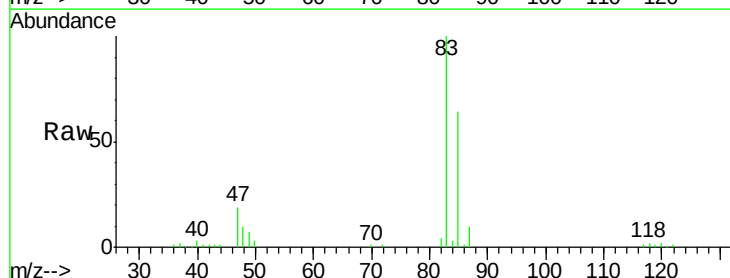
Manual Integrations
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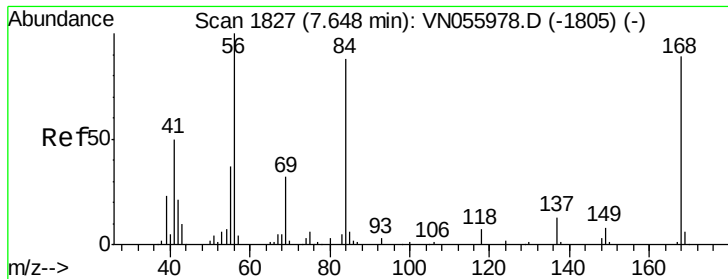
MMDadoda
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#30
Chloroform
Concen: 21.950 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8





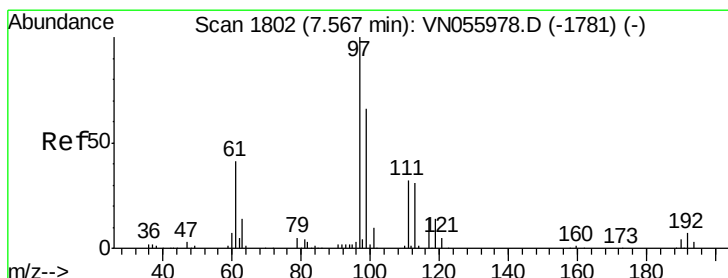
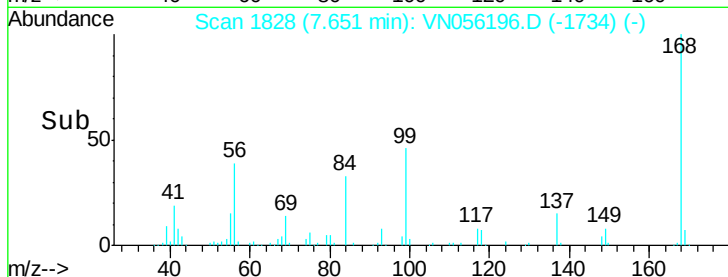
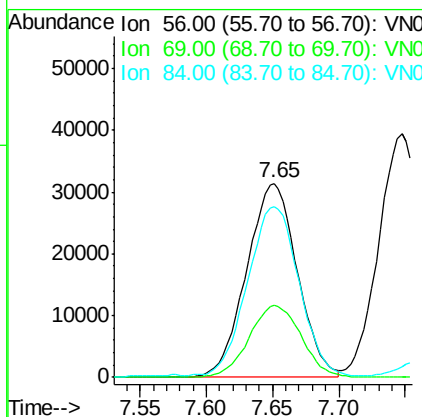
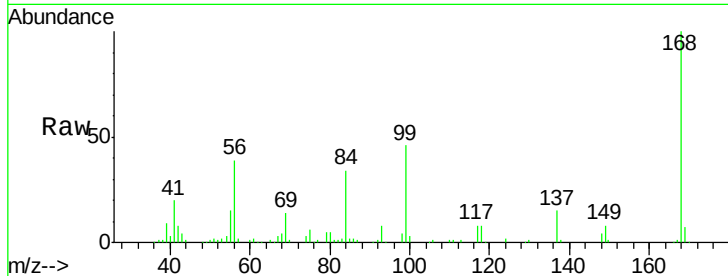
#31
Cyclohexane
Concen: 19.340 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampled :
VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	25.6	38.4
84	86.9	67.4	101.0

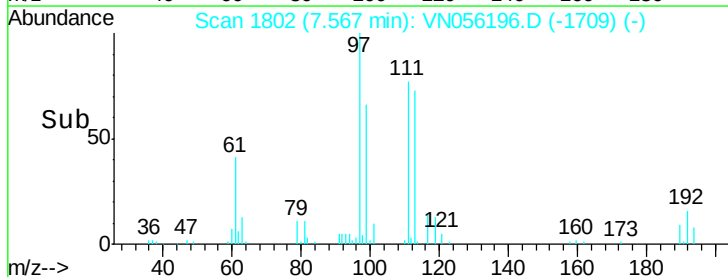
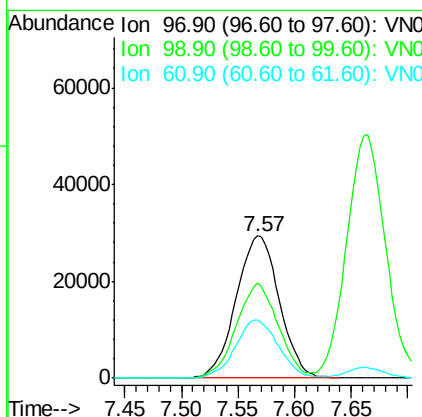
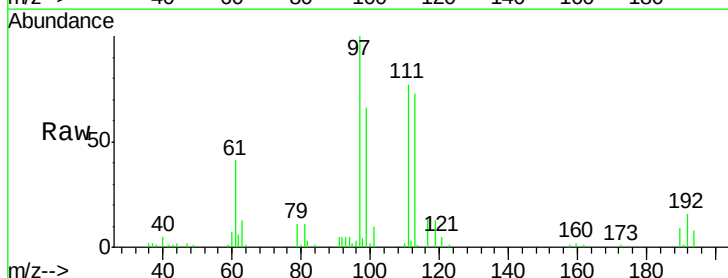
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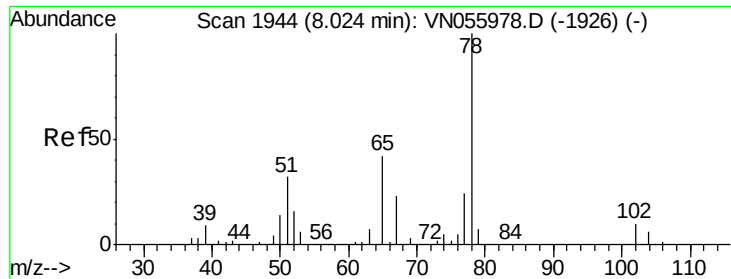
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.460 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	40.5	32.9	49.3





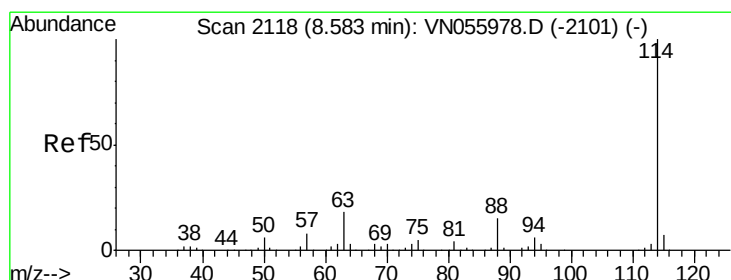
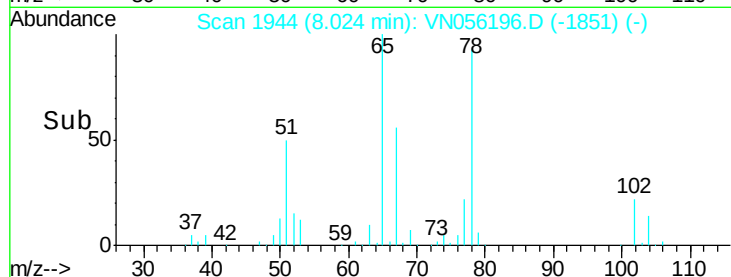
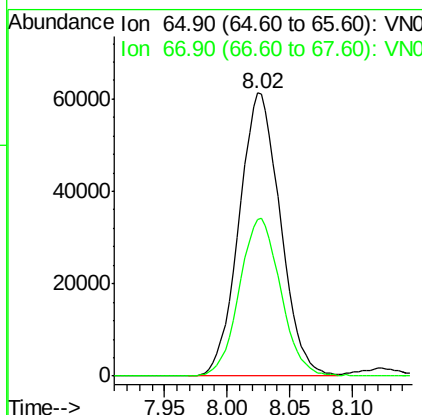
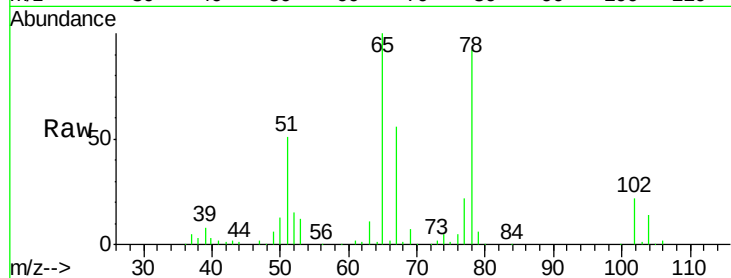
#33
 1,2-Dichloroethane-d4
 Concen: 51.658 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion: 65 Resp: 140592
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.2

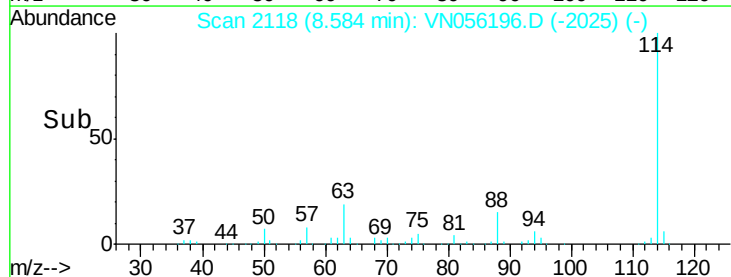
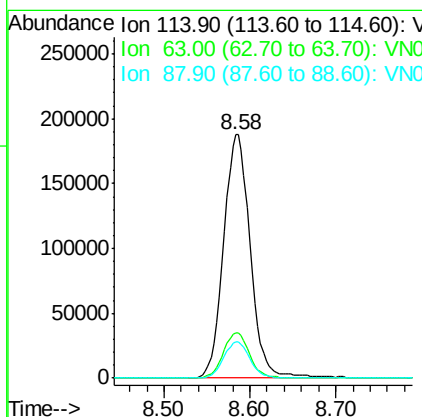
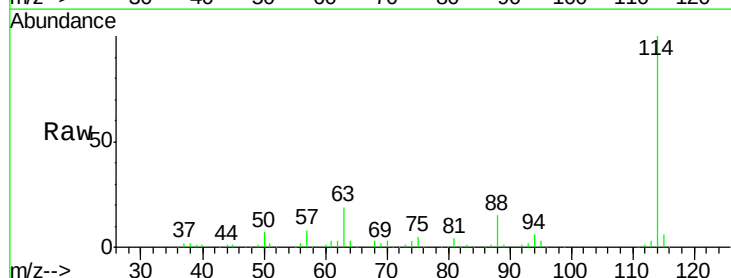
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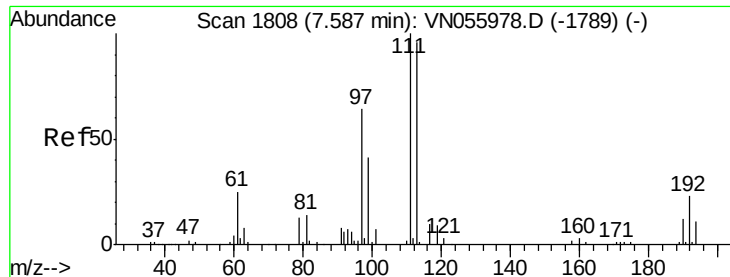
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 114 Resp: 404836
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 14.9 0.0 31.0





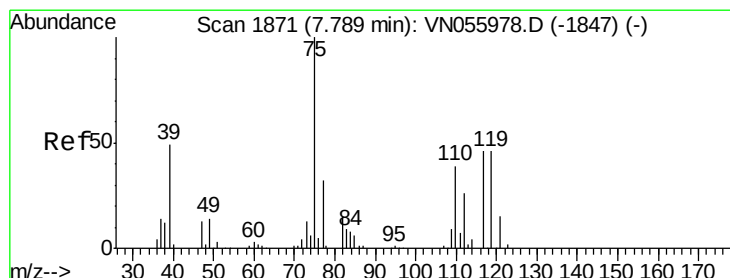
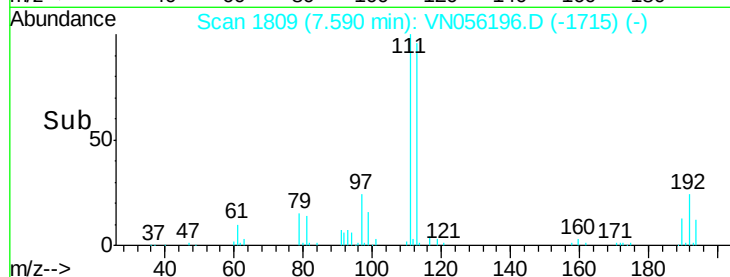
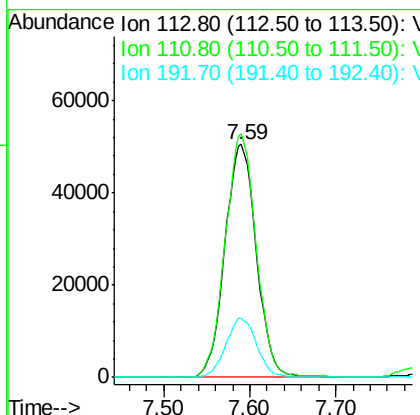
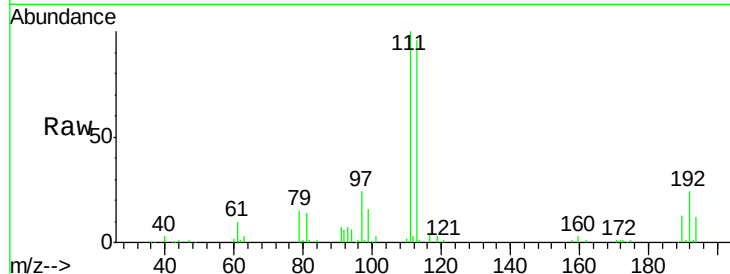
#35
 Dibromofluoromethane
 Concen: 51.653 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.9	122.9	
192	24.9	19.5	29.3	

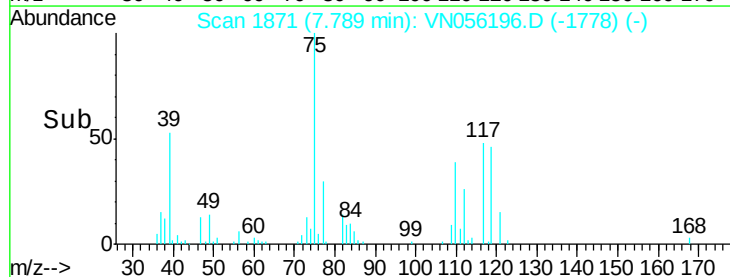
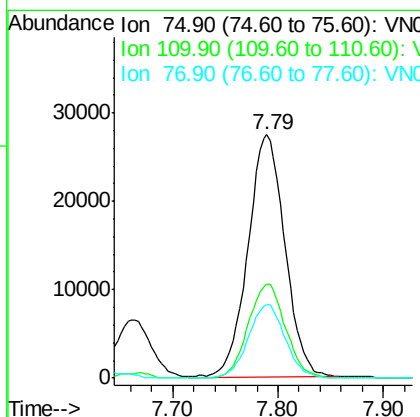
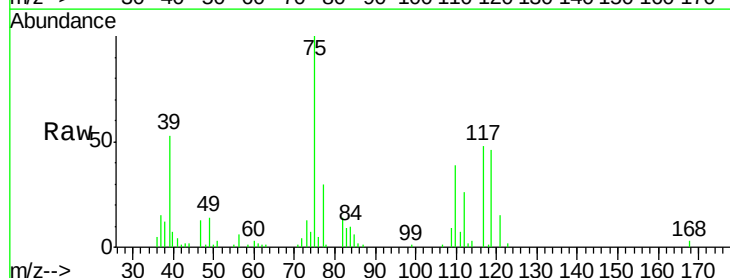
Manual Integrations
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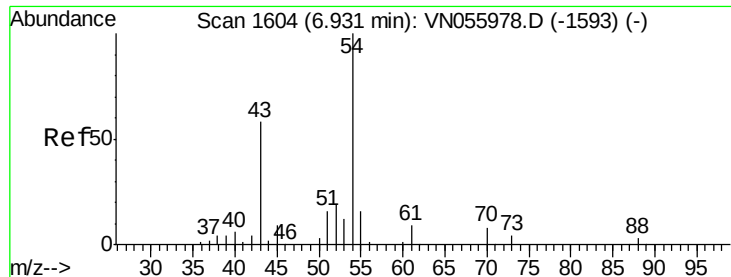
MMDadoda
 6/11/2019 11:58:31 AM



#36
 1,1-Dichloropropene
 Concen: 19.133 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.2	19.0	57.0	
77	30.5	25.1	37.7	





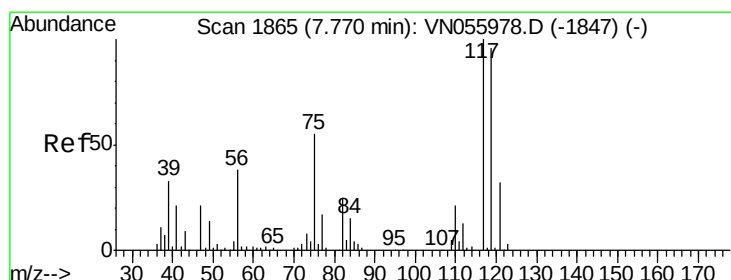
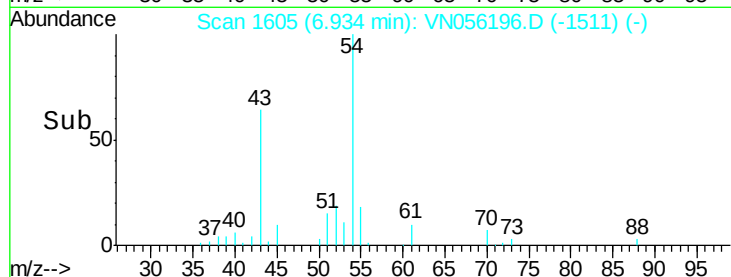
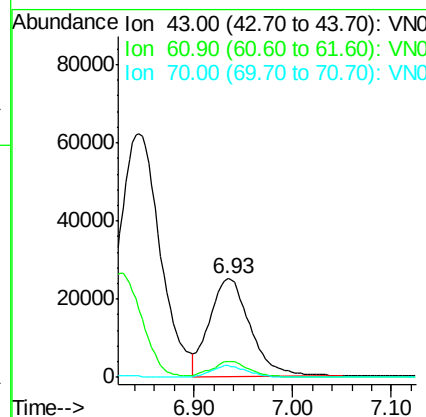
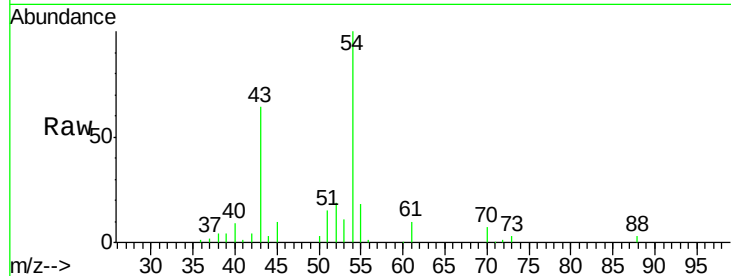
#37
Ethyl Acetate
Concen: 23.328 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	10.6	8.9	13.3

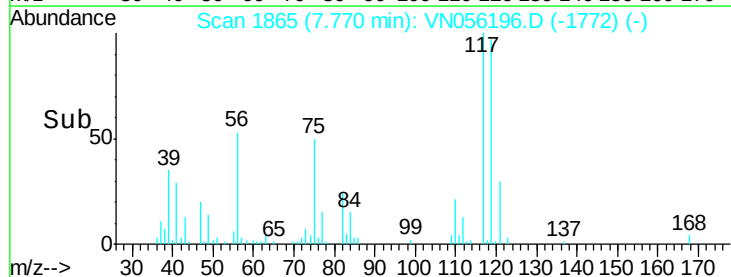
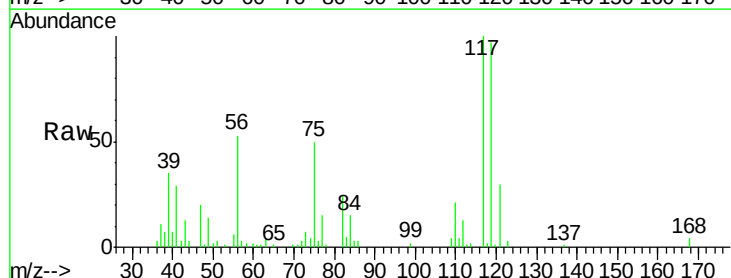
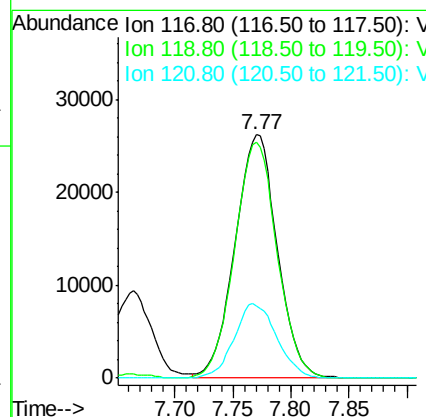
Manual Integrations
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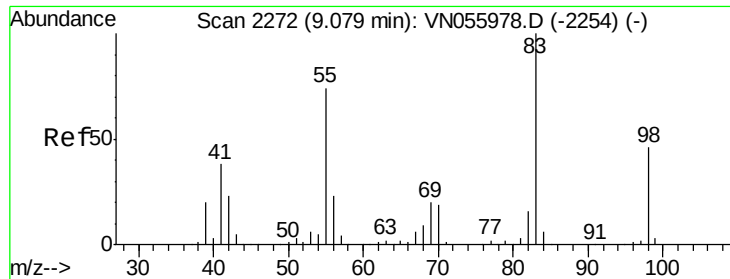
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#38
Carbon Tetrachloride
Concen: 20.702 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	79.0	118.6
121	29.8	24.7	37.1





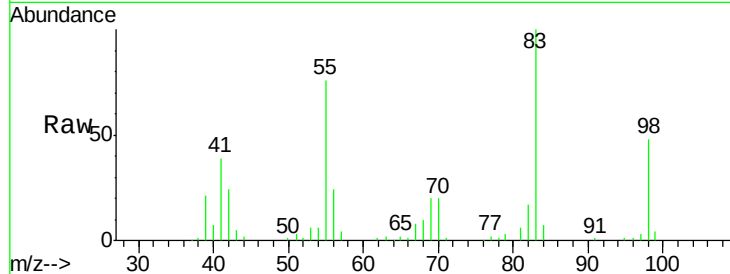
#39
Methylvlcyclohexane
Concen: 17.822 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

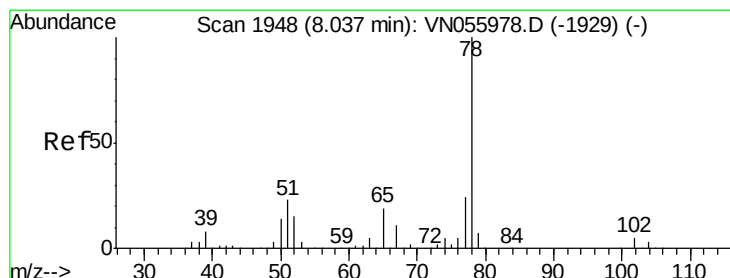
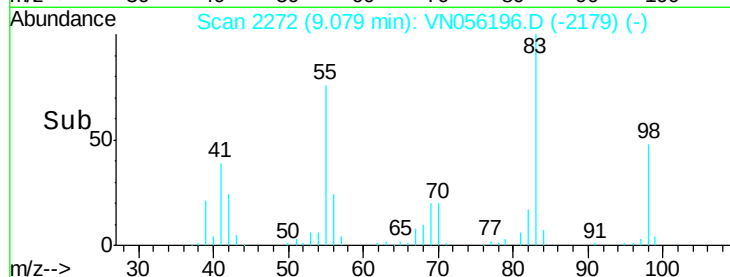
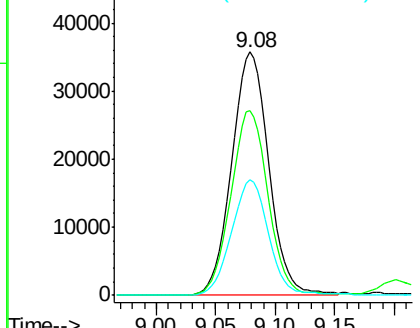
Tot Ion	83	Resp	77281
Ion Ratio	100	Lower	Upper
83	100		
55	76.0	59.3	88.9
98	47.7	36.6	54.8

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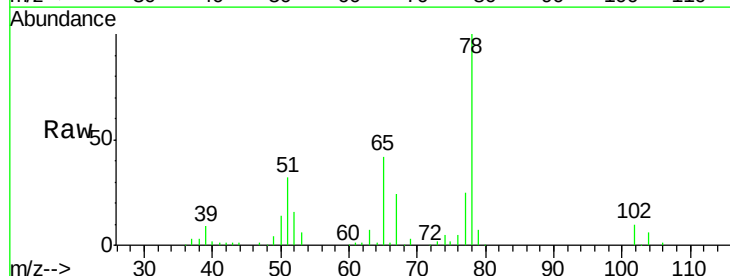


Abundance Ion 83.00 (82.70 to 83.70): VN055978.D (-2254) (-)

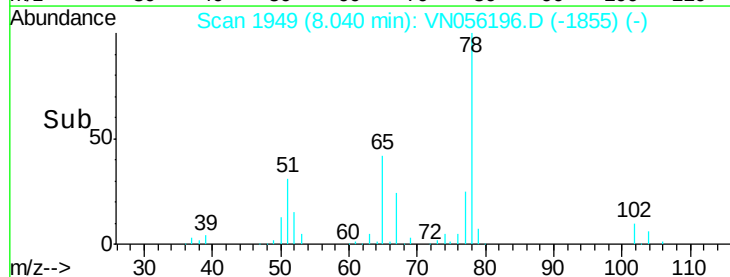
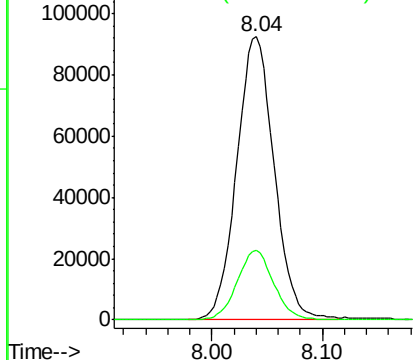


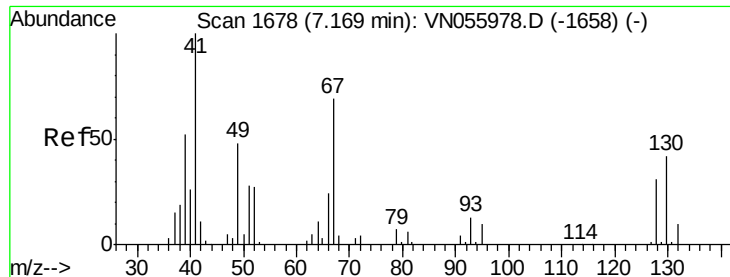
#40
Benzene
Concen: 20.596 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	78	Resp	217750
Ion Ratio	100	Lower	Upper
78	100		
77	24.7	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN055978.D (-1929) (-)





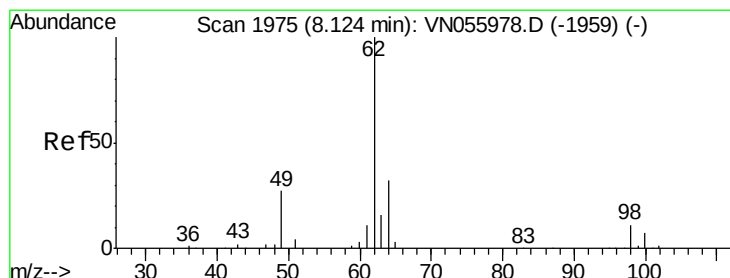
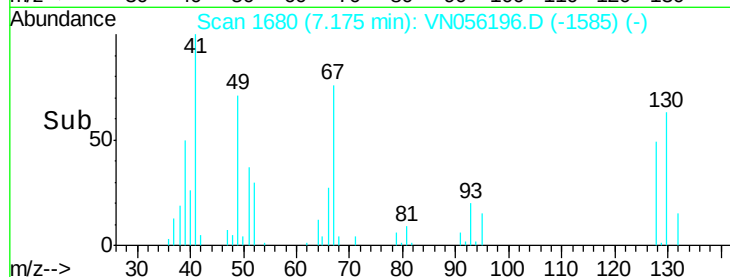
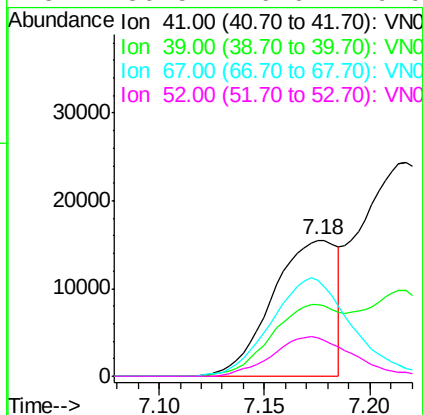
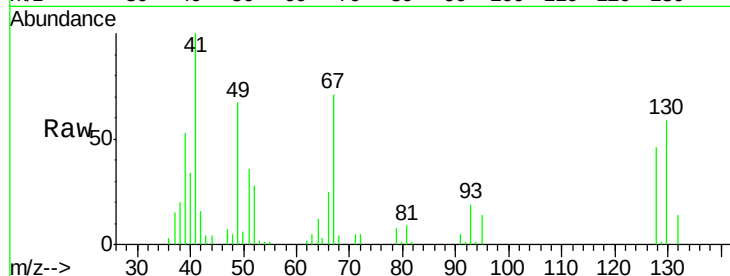
#41
Methacrylonitrile
Concen: 23.225 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion:	41	Resp:	33096
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.6	68.4
67	90.8	67.7	101.5
52	36.5	26.6	40.0

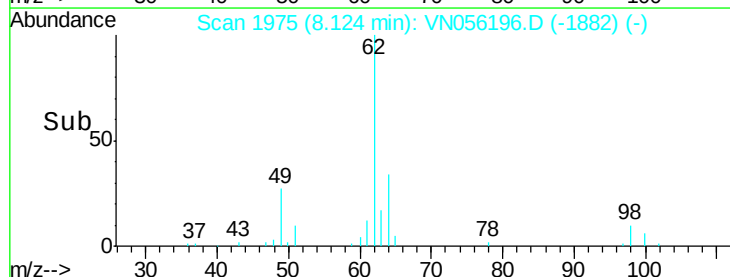
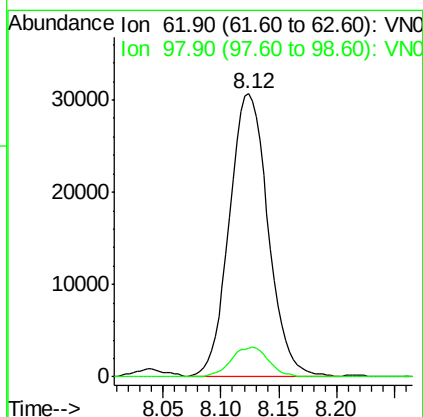
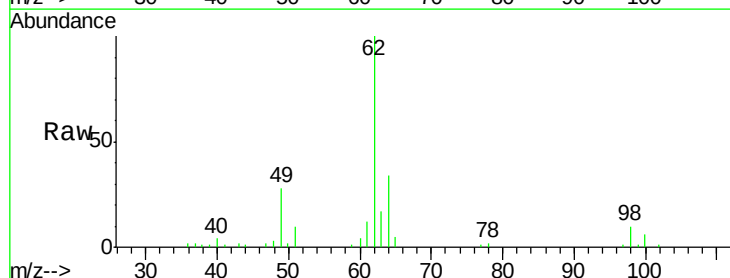
Manual Integrations
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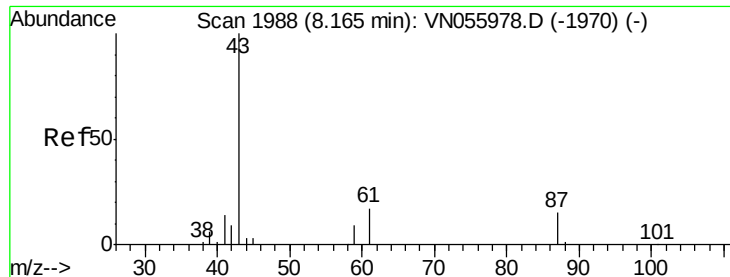
MMDadoda
6/11/2019 11:58:31 AM



#42
1,2-Dichloroethane
Concen: 20.934 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion:	62	Resp:	71195
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.979 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

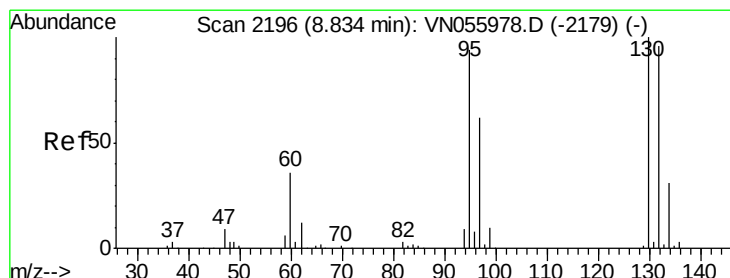
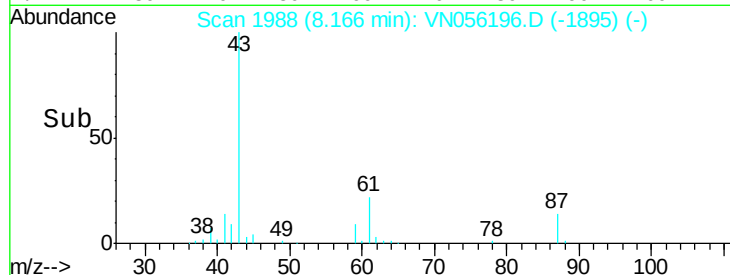
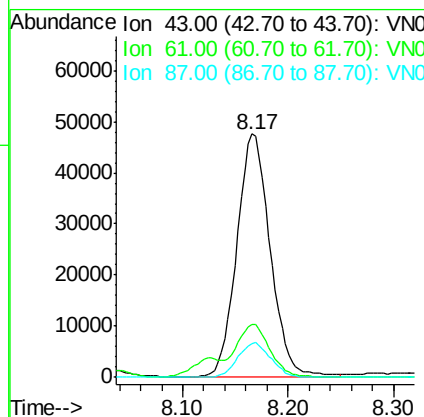
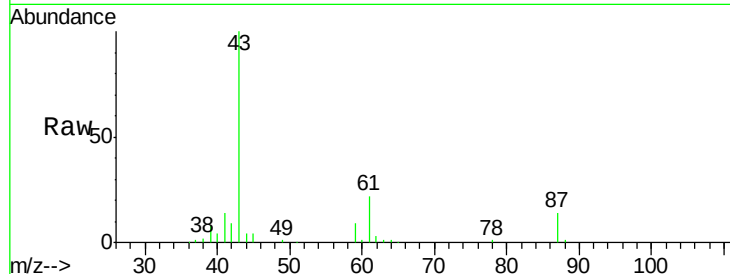
ClientSampleId :

VN0610WBSD02

Tot Ion:	43	Resp:	105294
Ion Ratio	Lower	Upper	
43	100		
61	21.3	22.2	33.4#
87	13.9	11.4	17.2

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#44

Trichloroethene

Concen: 20.728 ug/l

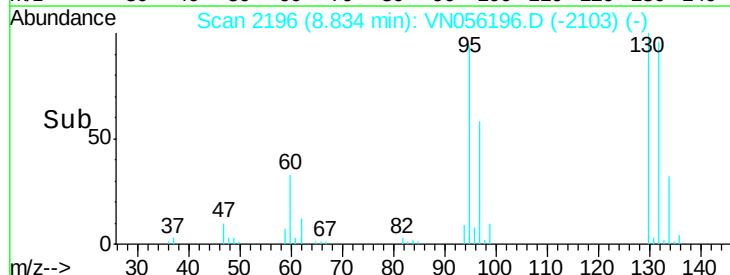
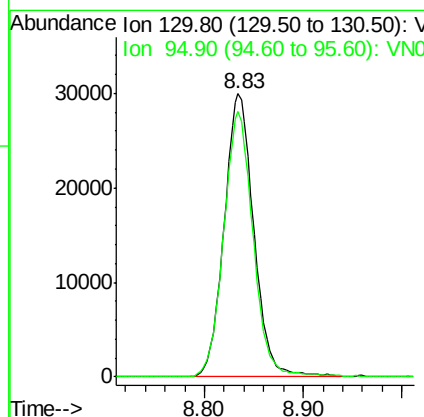
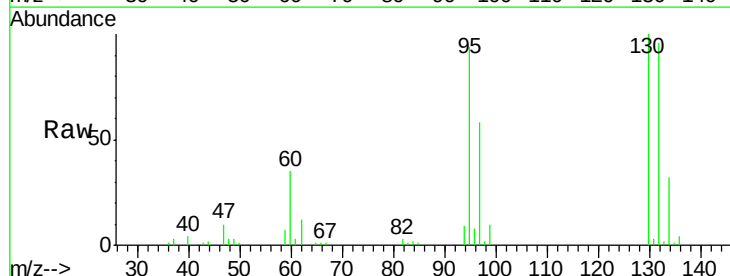
RT: 8.83 min Scan# 2196

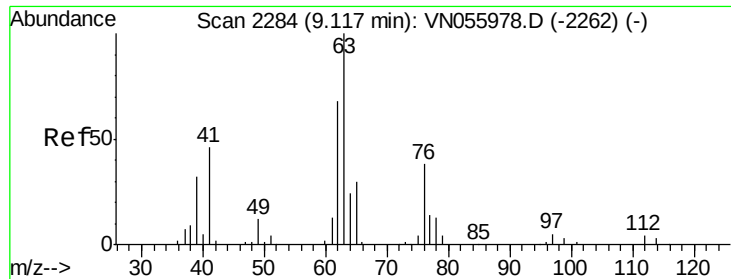
Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	130	Resp:	62971
Ion Ratio	Lower	Upper	
130	100		
95	93.6	0.0	188.0





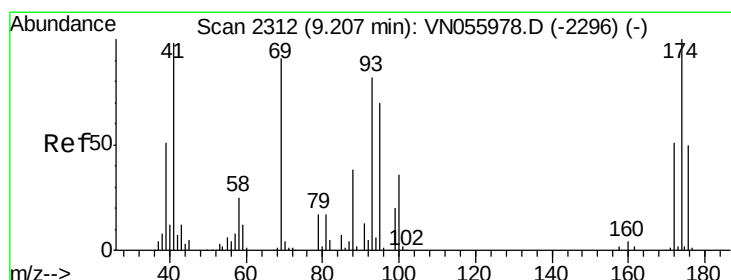
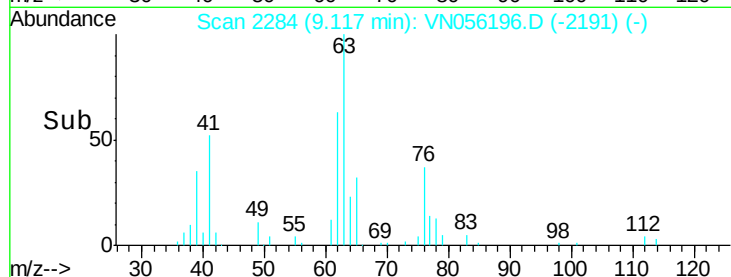
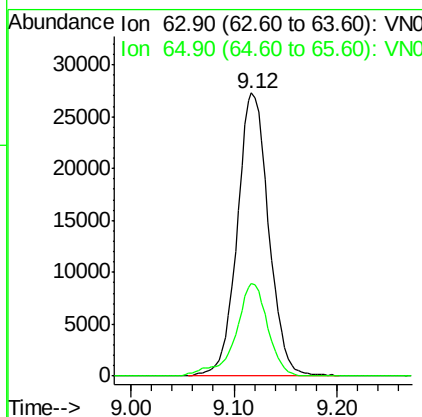
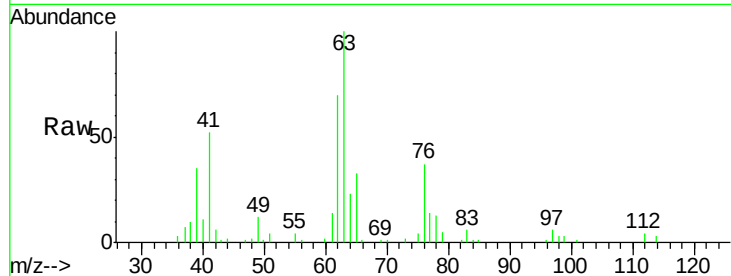
#45
 1,2-Dichloropropane
 Concen: 21.325 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion: 63 Resp: 57751
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.6 36.8

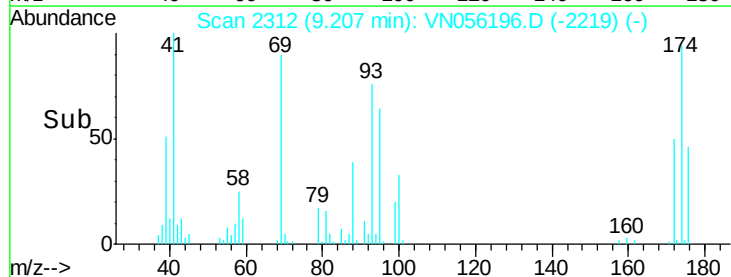
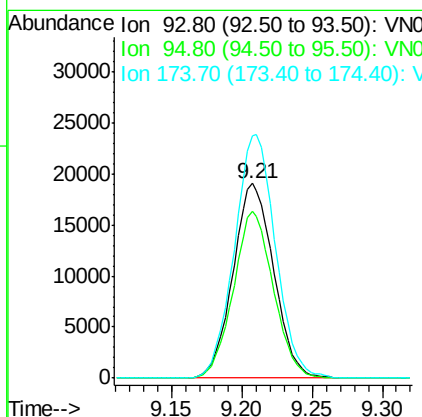
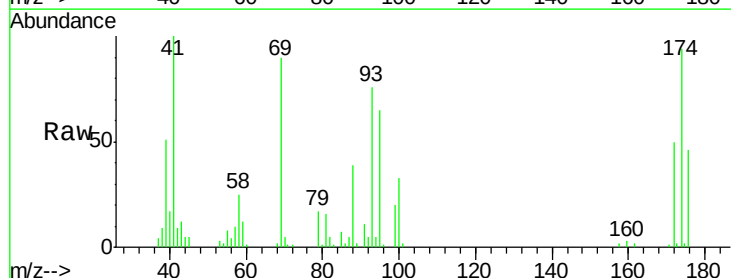
Manual Integrations
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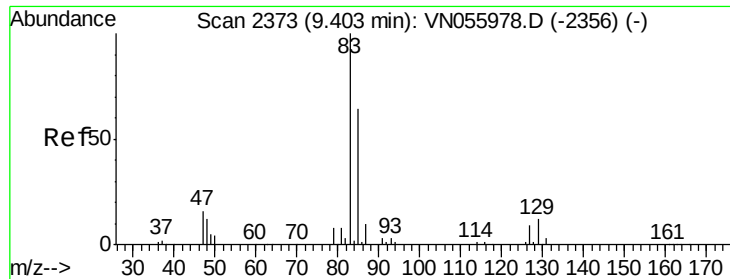
MMDadoda
 6/11/2019 11:58:31 AM



#46
 Dibromomethane
 Concen: 21.738 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 93 Resp: 38496
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 126.1 96.4 144.6





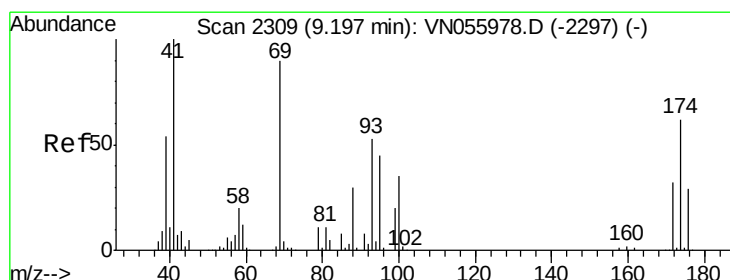
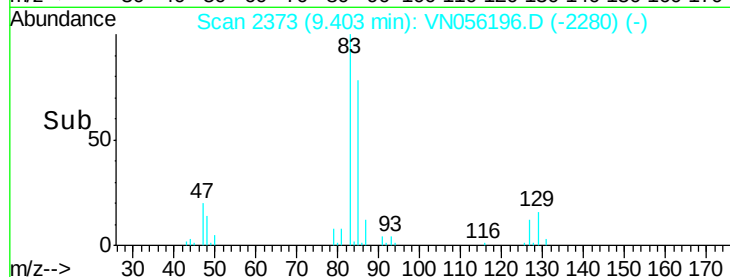
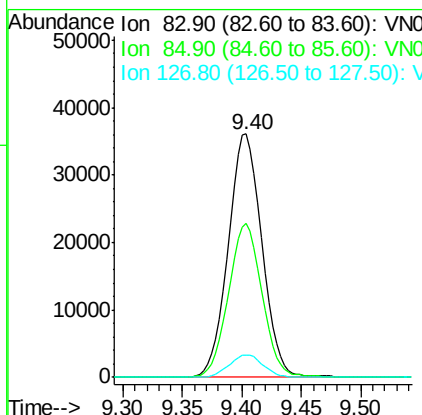
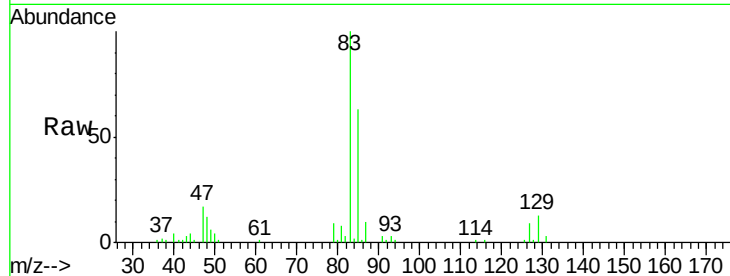
#47
Bromodichloromethane
Concen: 22.065 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion	83	Resp	70819
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.2	78.2
127	9.4	7.4	11.0

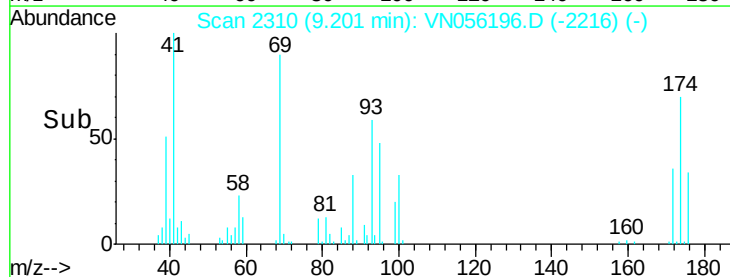
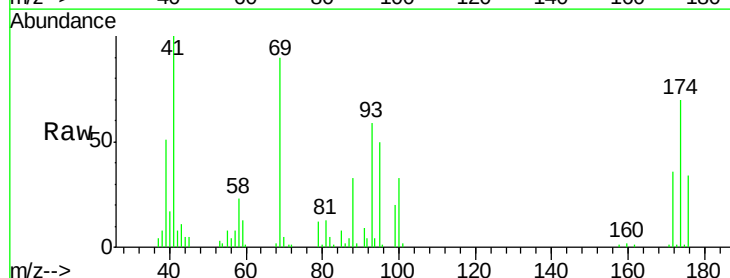
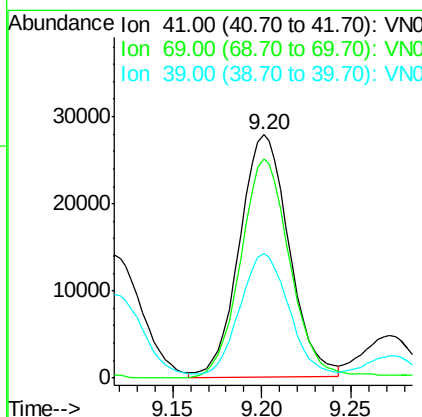
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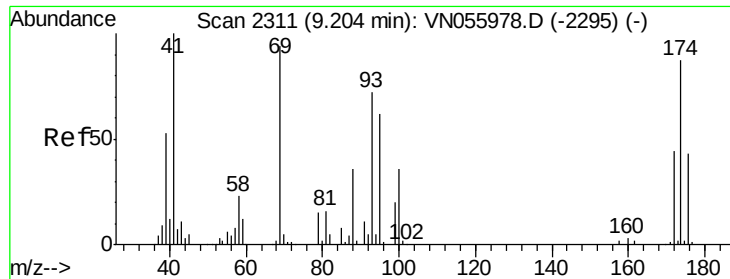
MMDadoda
6/11/2019 11:58:31 AM



#48
Methyl methacrylate
Concen: 22.033 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	41	Resp	54100
Ion Ratio	100	Lower	Upper
41	100		
69	91.5	71.0	106.6
39	52.2	44.2	66.2





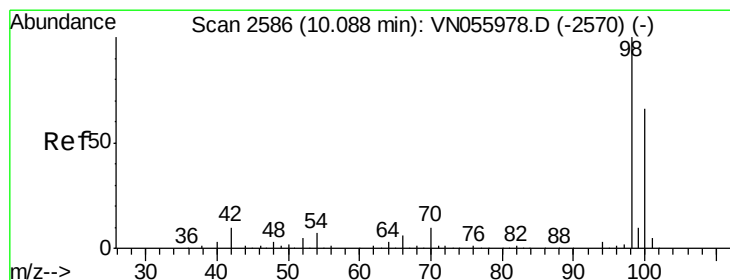
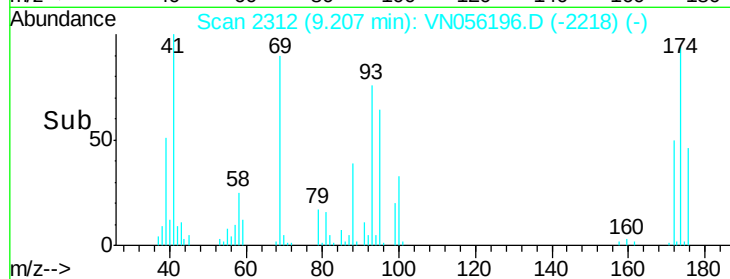
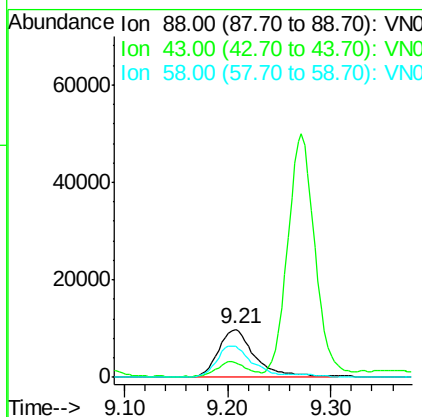
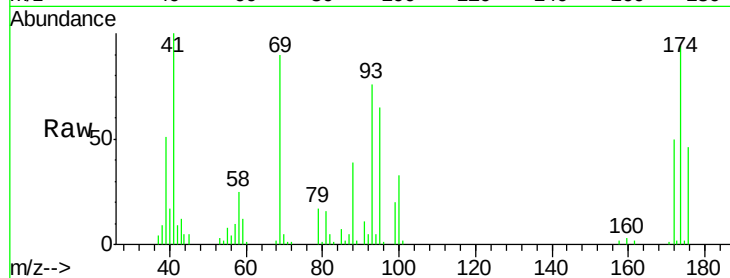
#49
 1,4-Dioxane
 Concen: 461.665 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion	88	Resp	24473
Ion Ratio	Lower	Upper	
88	100		
43	24.9	20.5	30.7
58	62.4	55.8	83.6

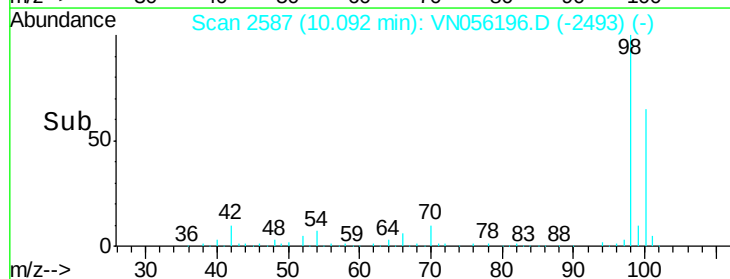
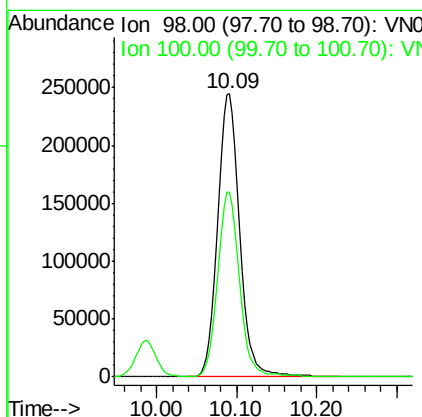
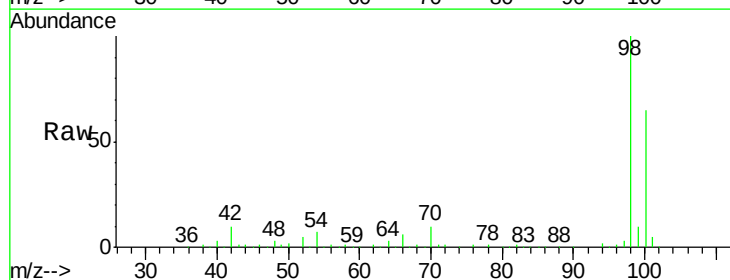
Manual Integrations
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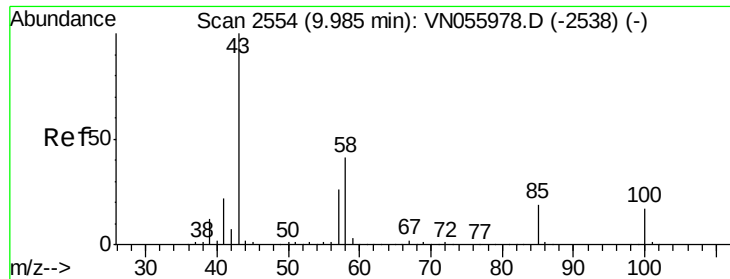
MMDadoda
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#50
 Toluene-d8
 Concen: 49.136 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	98	Resp	469631
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 112.980 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 43 Resp: 354604

Ion Ratio Lower Upper

43 100

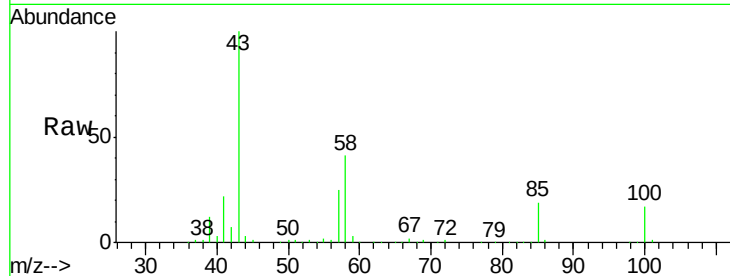
58 41.0 32.1 48.1

Manual Integrations

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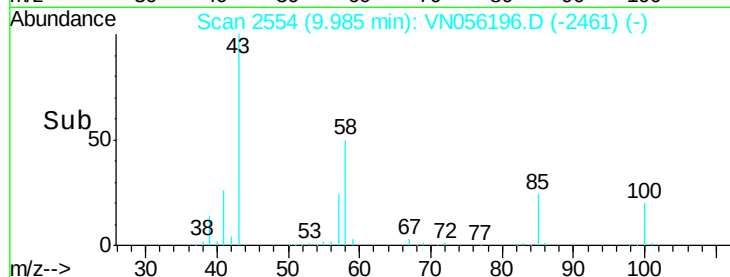
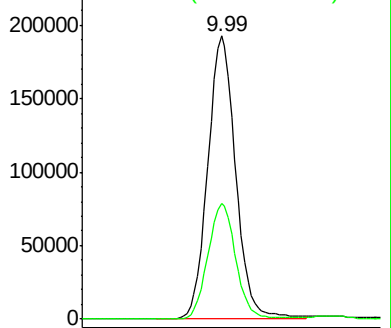
MMDadoda

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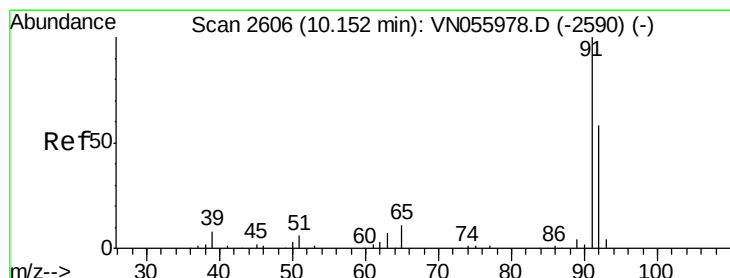


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.947 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056196.D

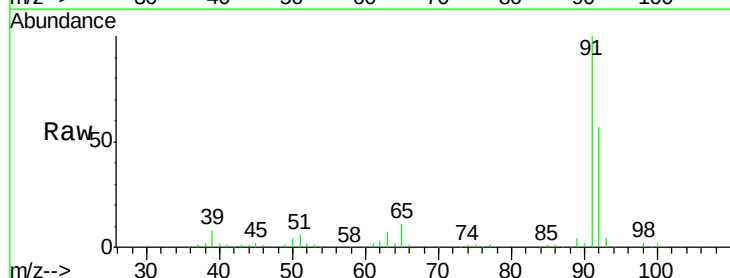
Acq: 11 Jun 2019 3:30

Tgt Ion: 92 Resp: 137812

Ion Ratio Lower Upper

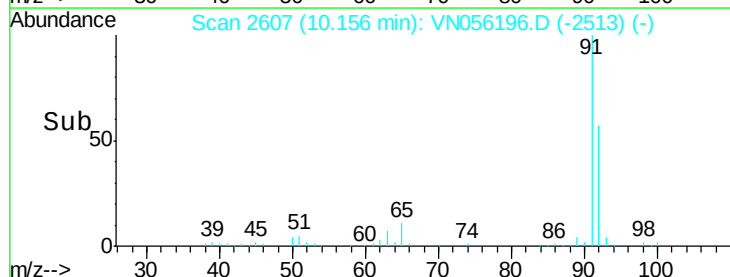
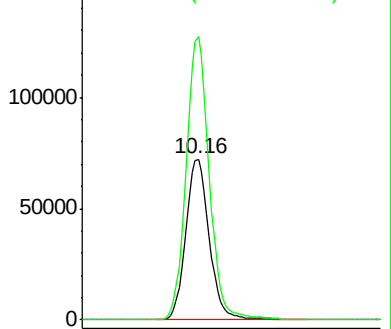
92 100

91 172.5 139.4 209.2

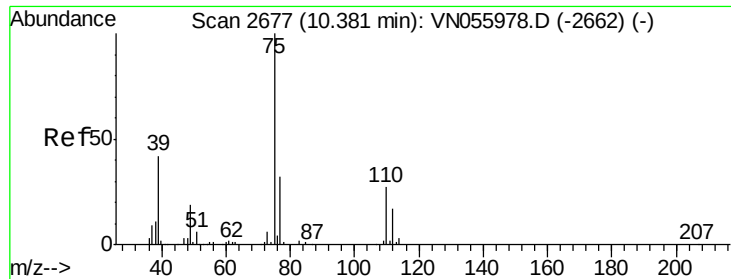


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



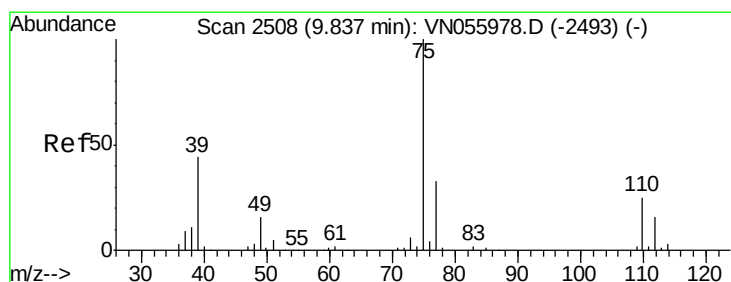
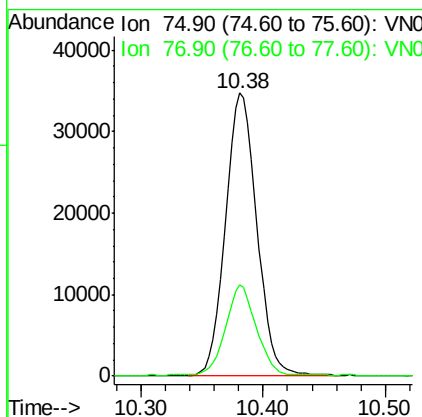
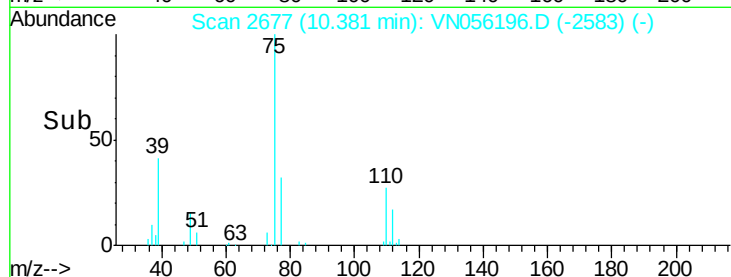
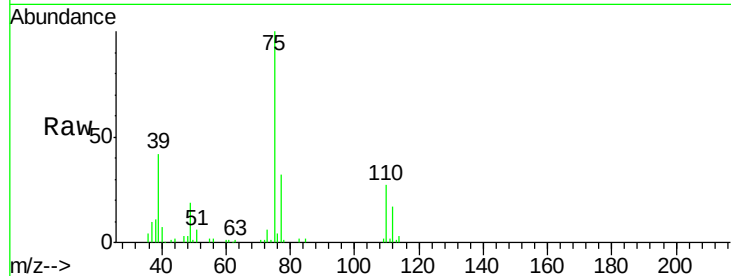
#53
t-1,3-Dichloropropene
Concen: 18.204 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion: 75 Resp: 62473
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6

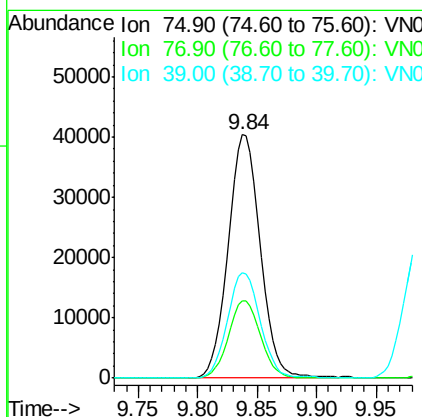
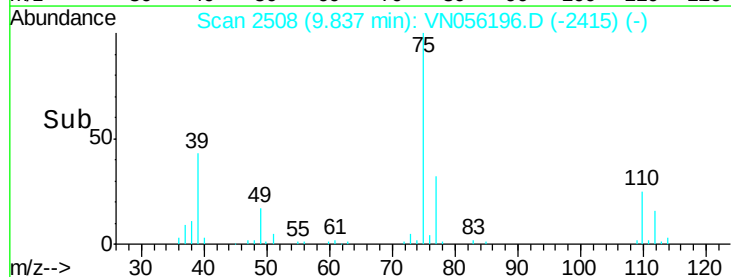
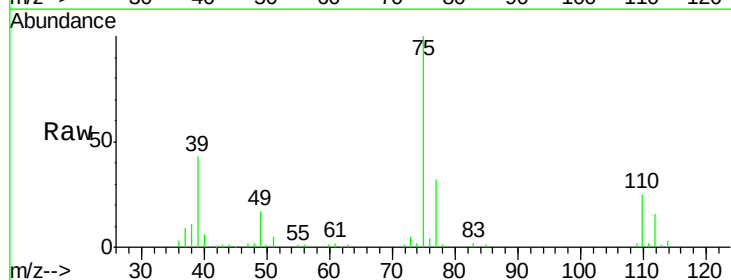
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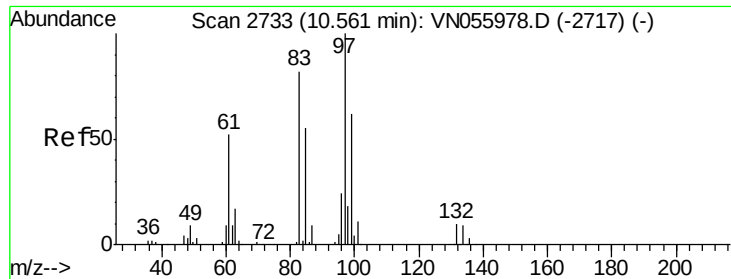
MMDadoda
6/11/2019 11:58:31 AM



#54
cis-1,3-Dichloropropene
Concen: 19.617 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 75 Resp: 75681
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 43.5 36.3 54.5





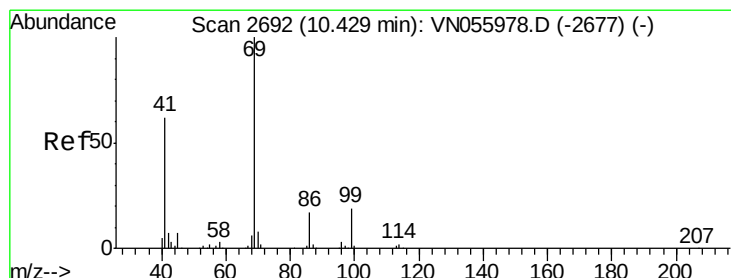
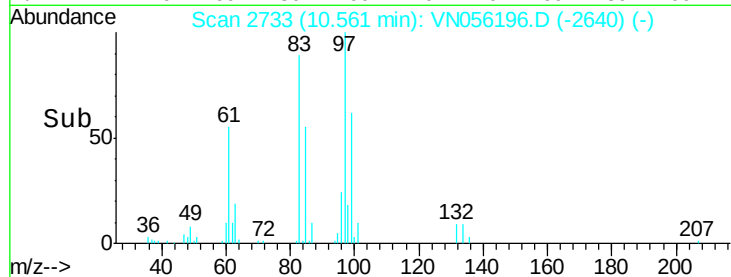
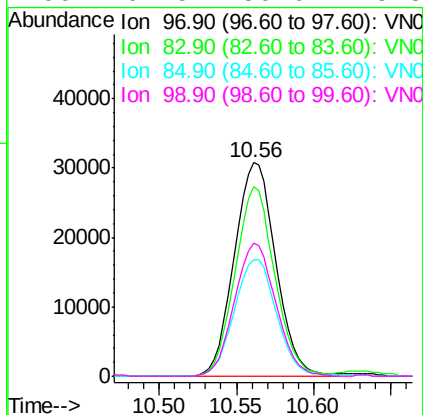
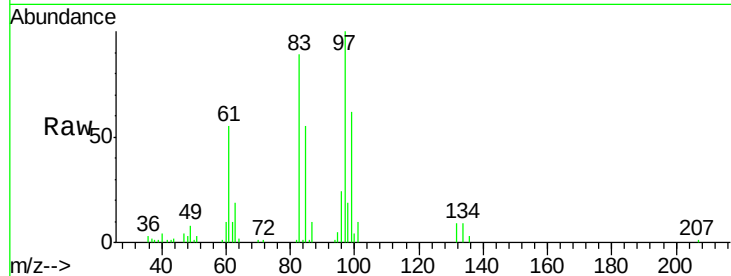
#55
 1,1,2-Trichloroethane
 Concen: 22.029 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion:	97	Resp:	57408
Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.0	100.6
85	54.7	44.0	66.0
99	62.5	50.6	75.8

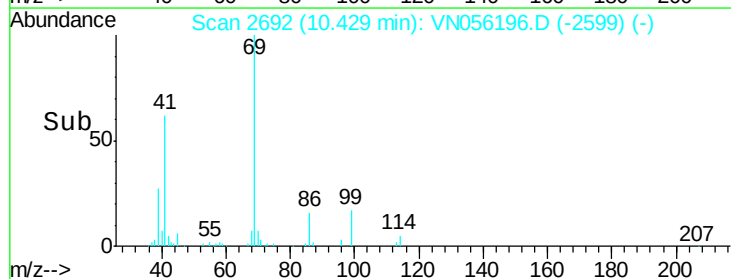
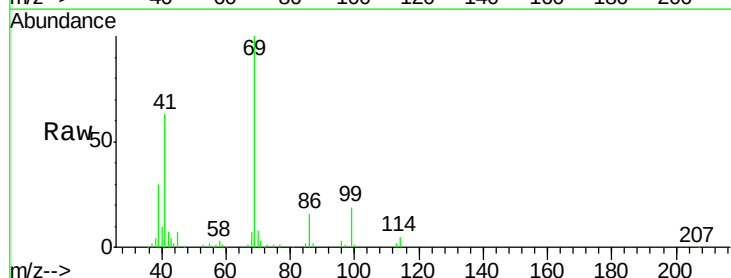
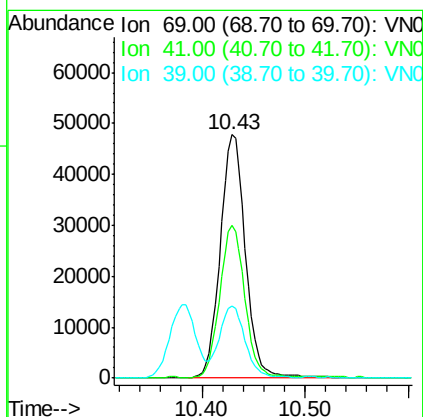
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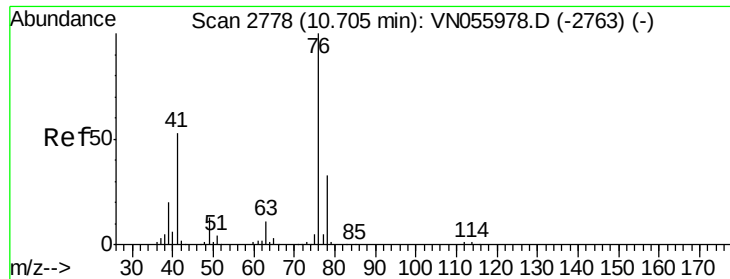
MMDadoda
 6/11/2019 11:58:31 AM



#56
 Ethyl methacrylate
 Concen: 21.462 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion:	69	Resp:	81598
Ion	Ratio	Lower	Upper
69	100		
41	63.1	49.7	74.5
39	29.3	24.7	37.1





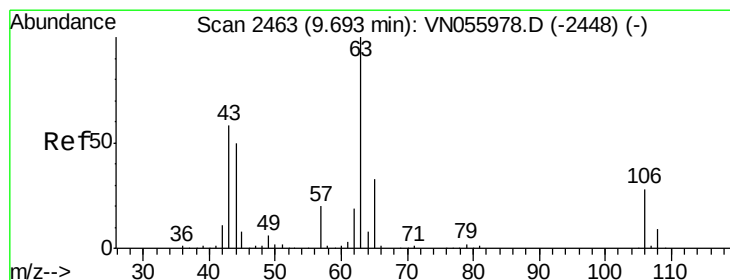
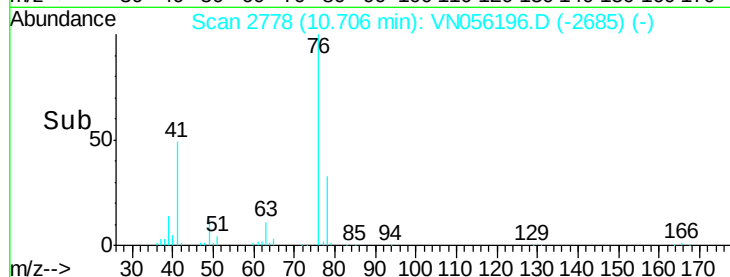
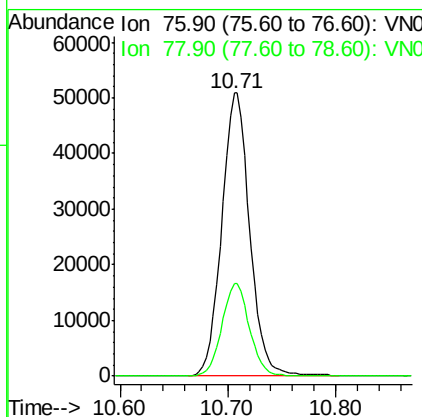
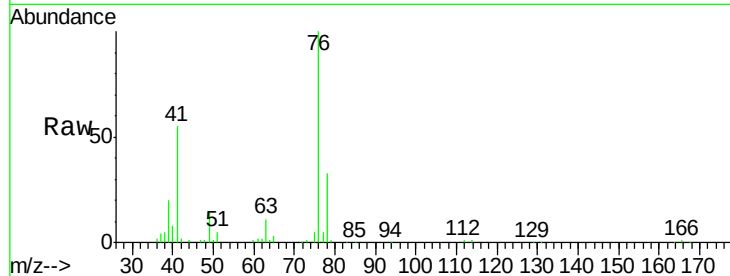
#57
 1,3-Dichloropropane
 Concen: 21.636 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion: 76 Resp: 91662
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

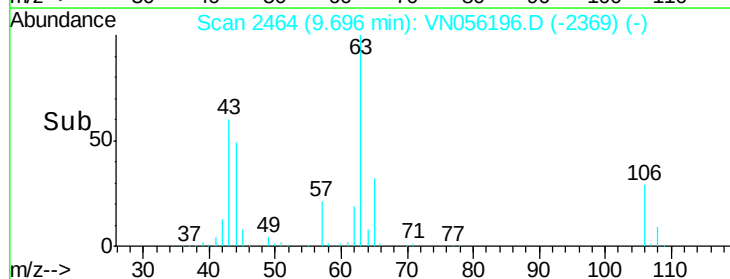
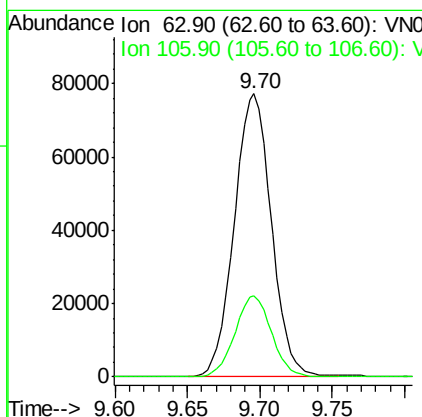
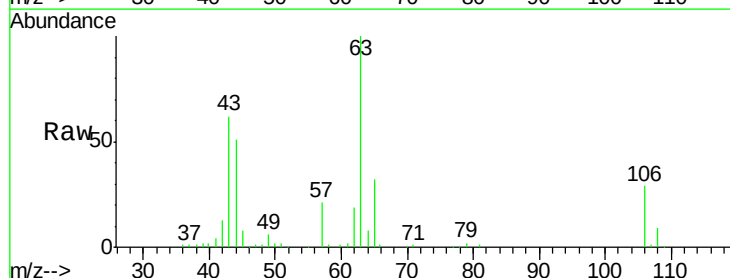
Manual Integrations
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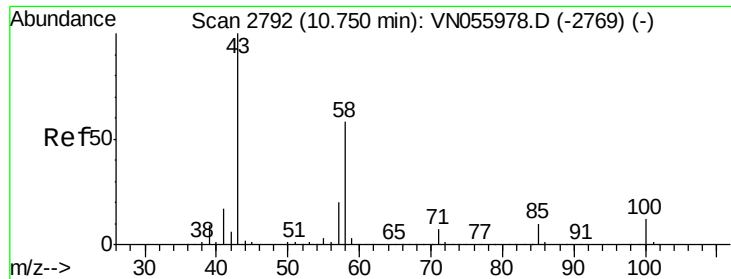
MMDadoda
 6/11/2019 11:58:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.440 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 63 Resp: 137141
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1





#59

2-Hexanone

Concen: 109.984 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 43 Resp: 250194

Ion Ratio Lower Upper

43 100

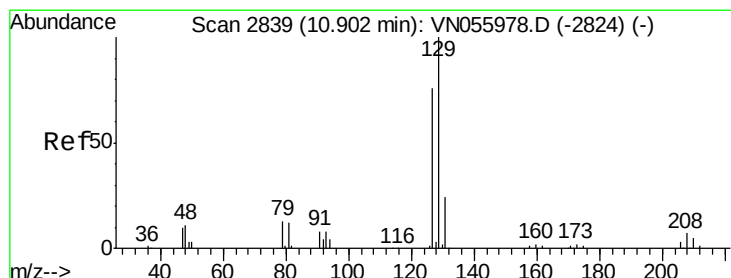
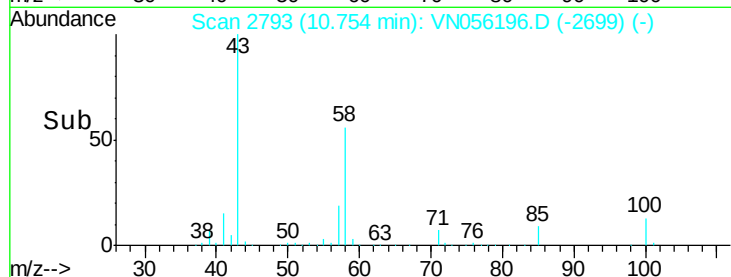
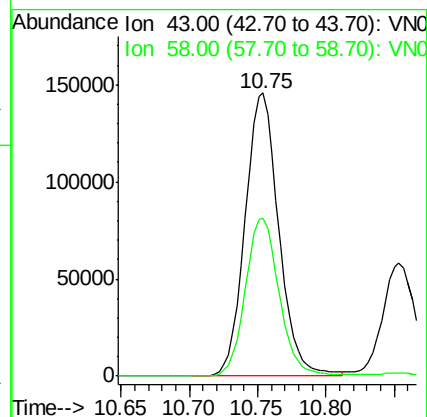
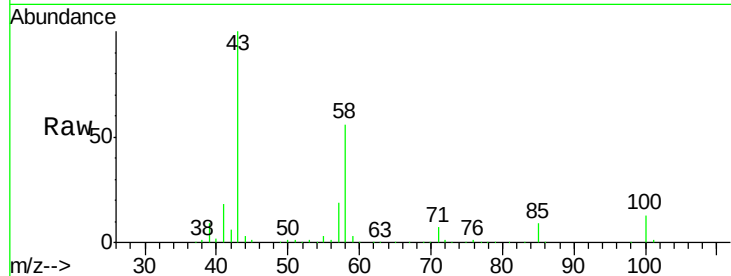
58 56.2 28.2 84.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 21.289 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056196.D

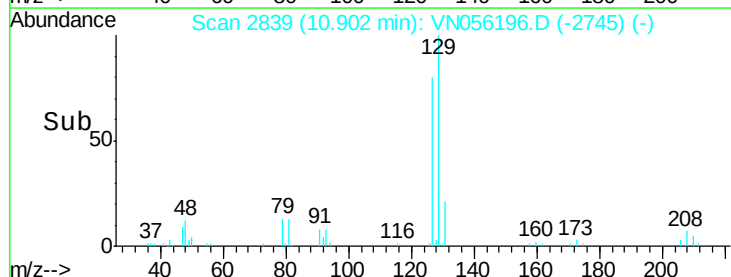
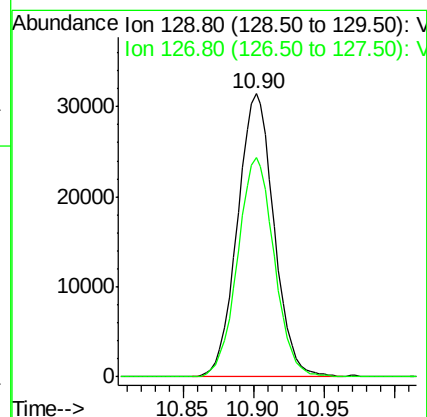
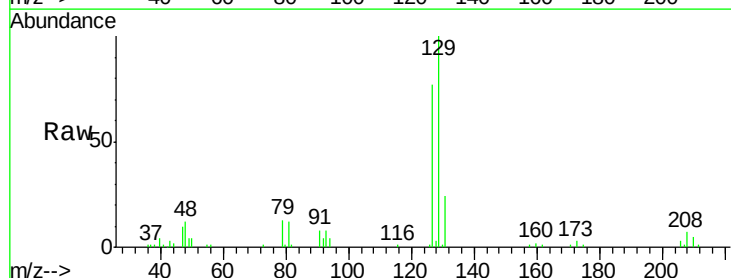
Acq: 11 Jun 2019 3:30

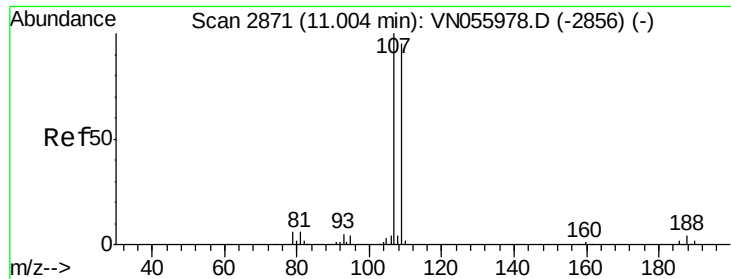
Tgt Ion: 129 Resp: 56934

Ion Ratio Lower Upper

129 100

127 77.6 38.1 114.3





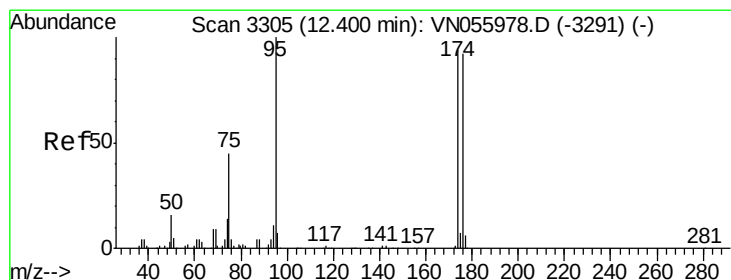
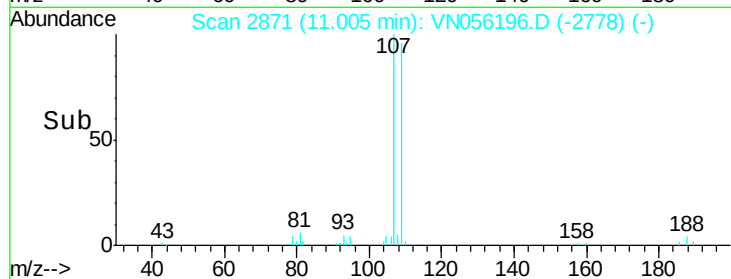
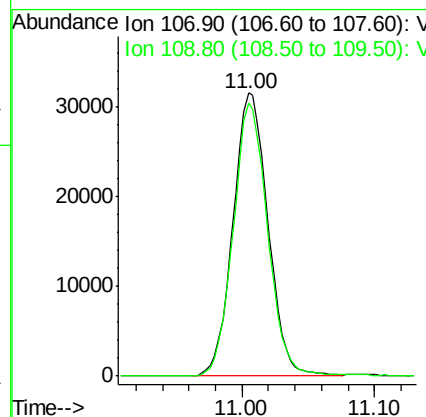
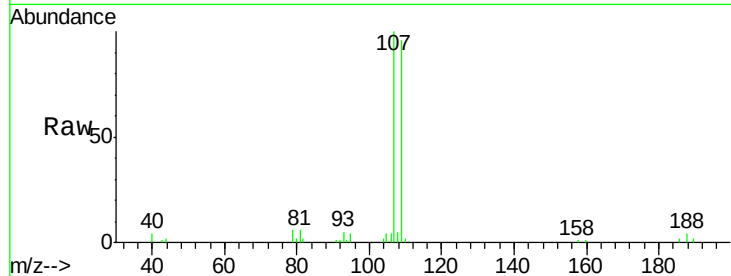
#61
 1,2-Dibromoethane
 Concen: 21.709 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.8	112.2

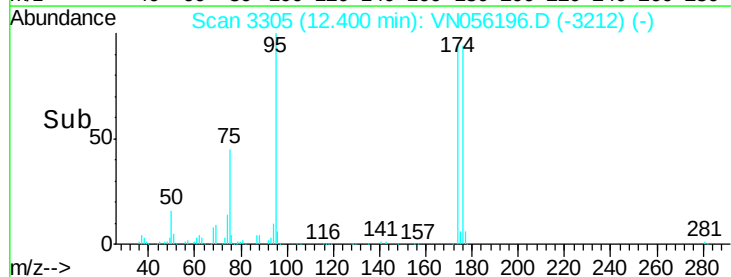
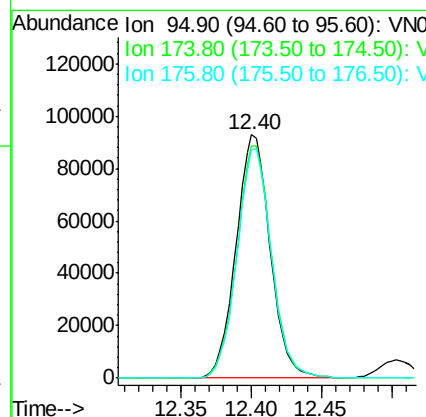
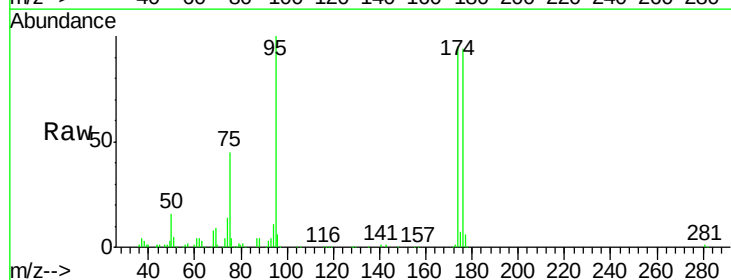
Manual Integrations
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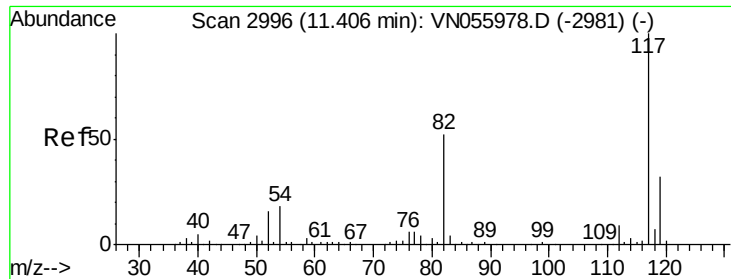
MMDadoda
 6/11/2019 11:58:31 AM



#62
 4-Bromofluorobenzene
 Concen: 48.440 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.0	0.0	191.0
176	95.0	0.0	185.2





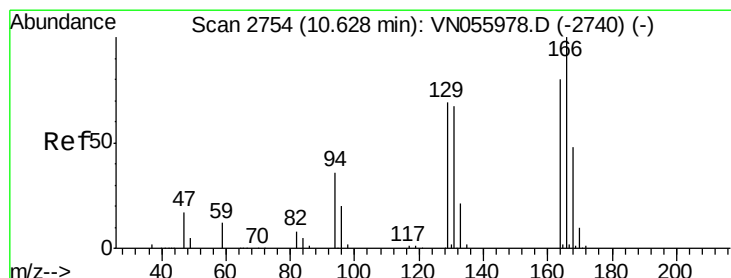
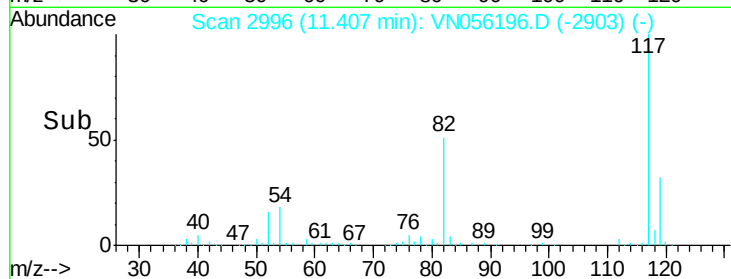
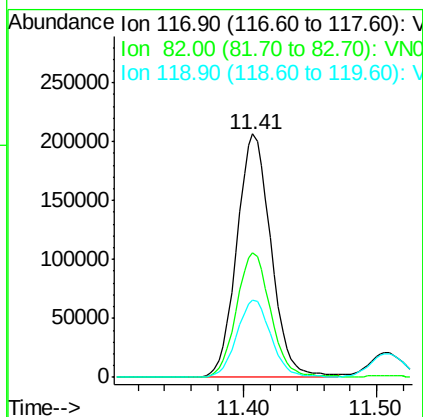
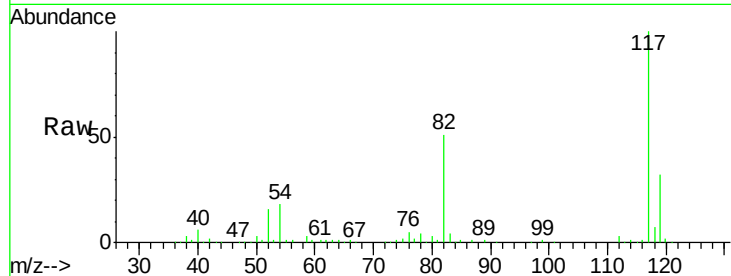
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.8	62.8
119	31.7	25.4	38.0

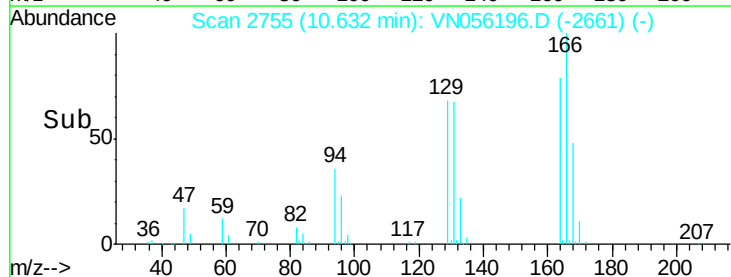
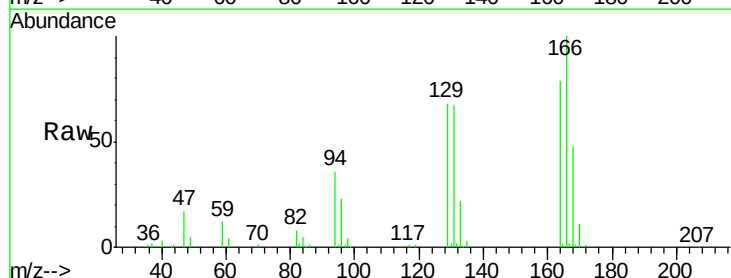
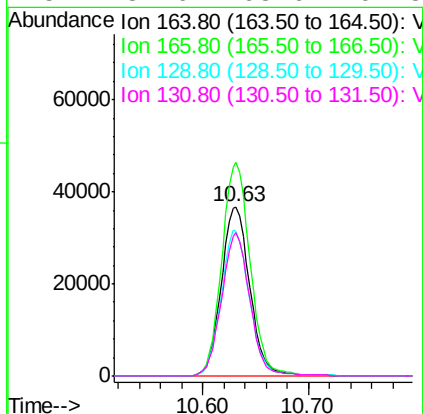
Manual Integrations
APPROVED

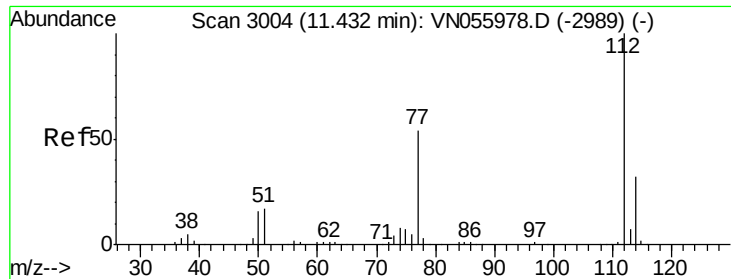
MMDadoda
6/11/2019 11:58:31 AM



#64
Tetrachloroethene
Concen: 21.461 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.0	154.6
129	85.9	70.6	105.8
131	84.6	68.6	102.8





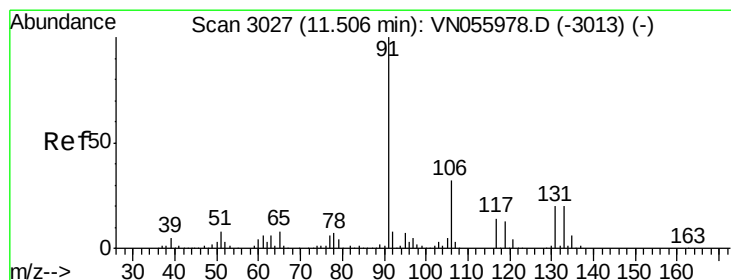
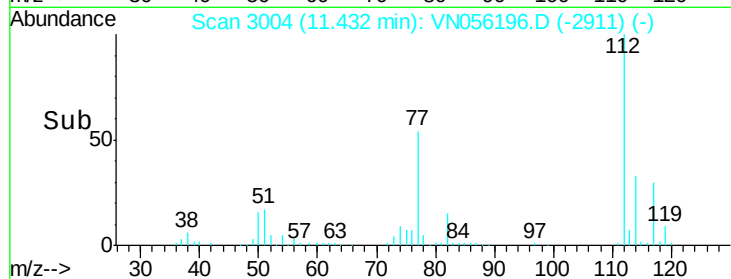
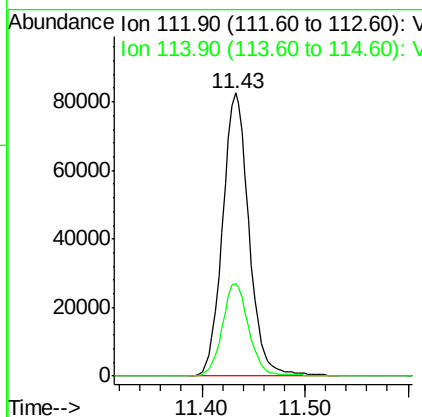
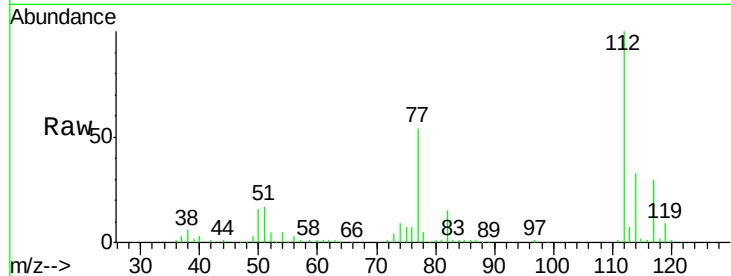
#65
Chlorobenzene
Concen: 19.997 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion:112 Resp: 147193
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4

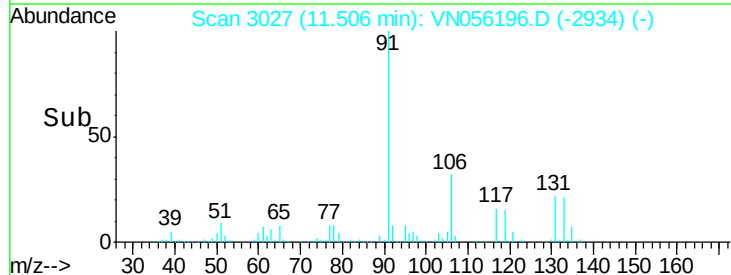
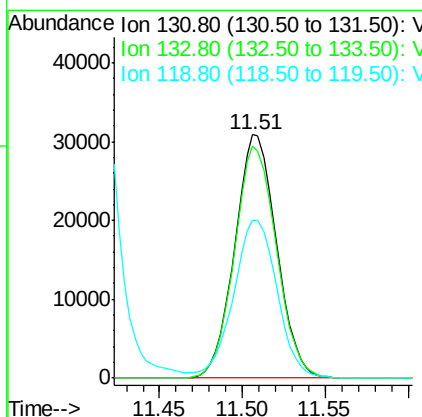
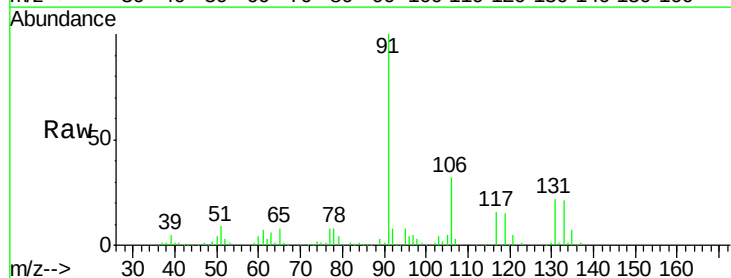
Manual Integrations
APPROVED

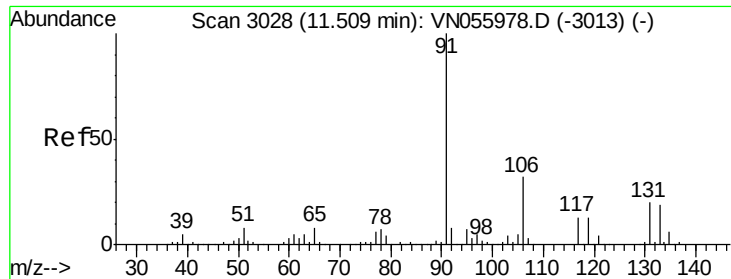
MMDadoda
6/11/2019 11:58:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.275 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion:131 Resp: 54071
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 67.9 33.1 99.5





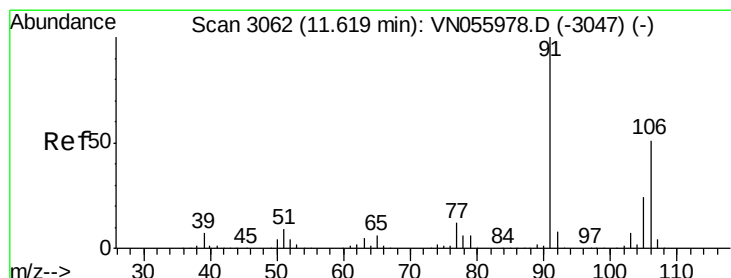
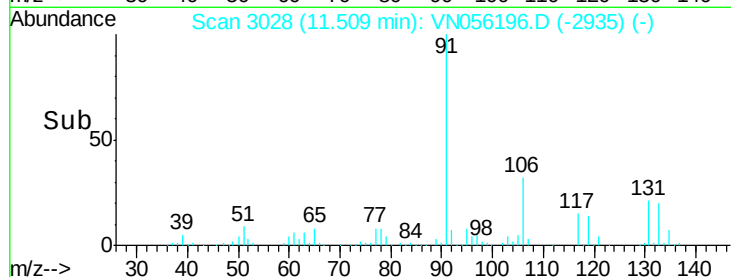
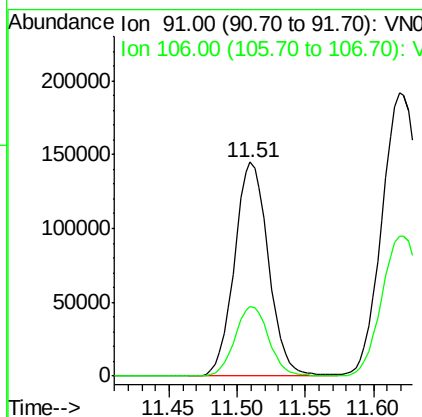
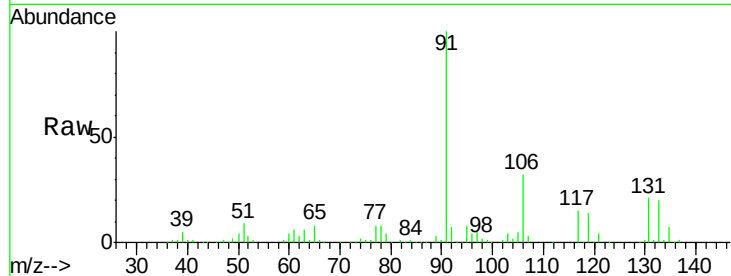
#67
Ethyl Benzene
Concen: 19.656 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampled :
VN0610WBSD02

Tot Ion: 91 Resp: 251581
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7

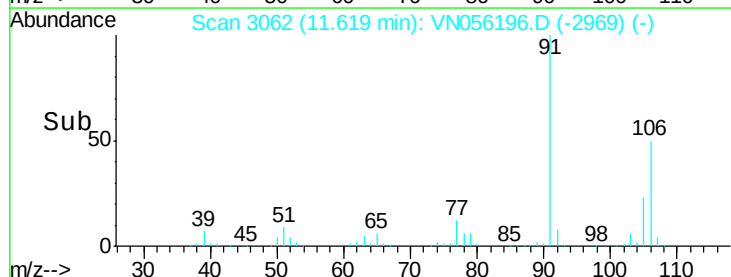
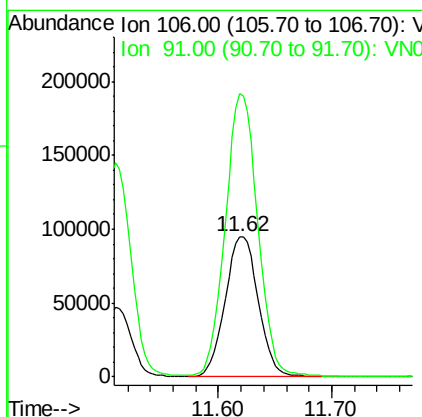
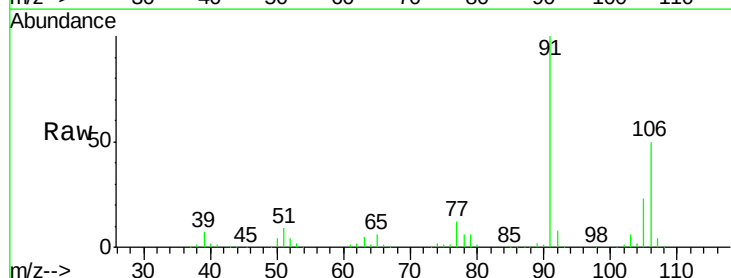
Manual Integrations
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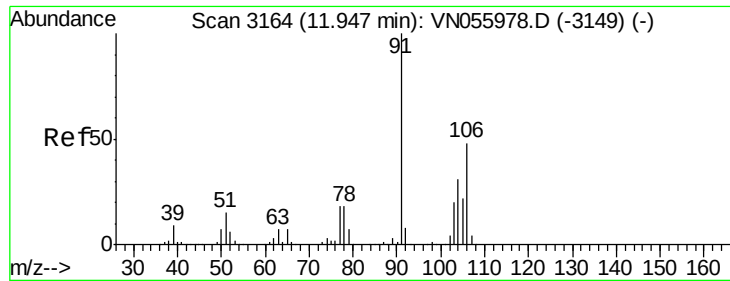
MMDadoda
6/11/2019 11:58:31 AM



#68
m/p-Xylenes
Concen: 39.784 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 106 Resp: 194520
Ion Ratio Lower Upper
106 100
91 197.6 159.3 238.9





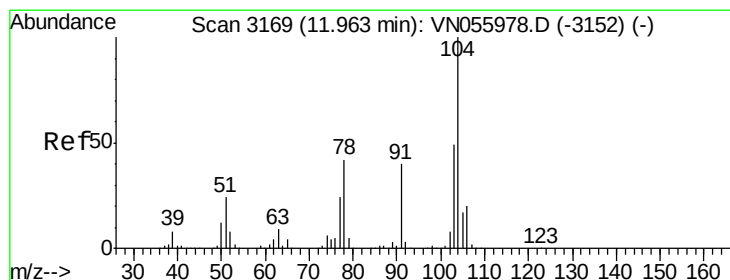
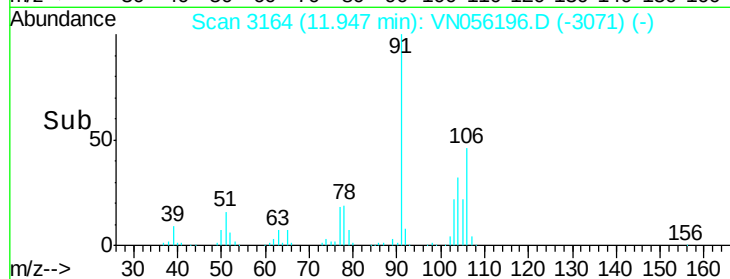
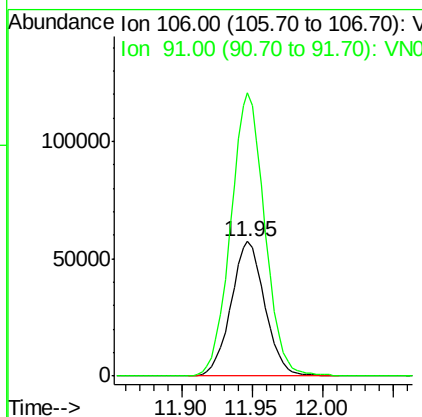
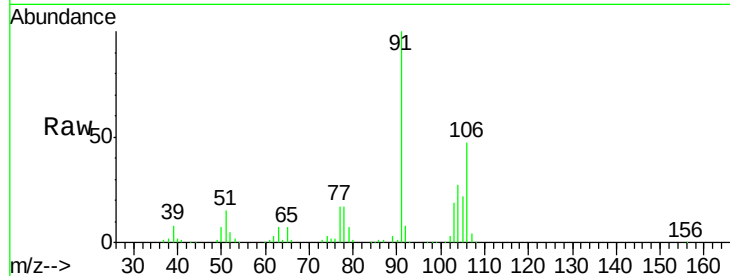
#69
o-Xylene
Concen: 19.995 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampled :
VN0610WBSD02

Tot Ion:106 Resp: 96164
Ion Ratio Lower Upper
106 100
91 211.0 104.7 314.1

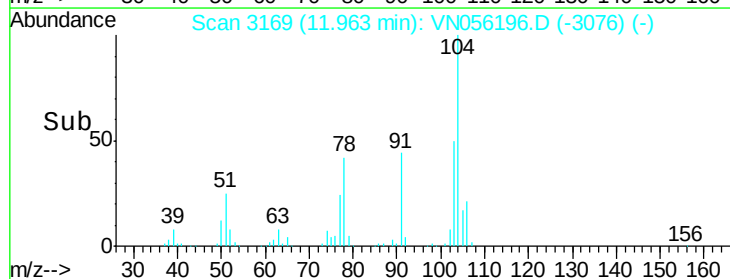
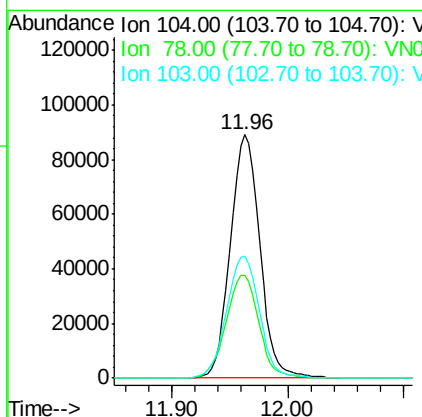
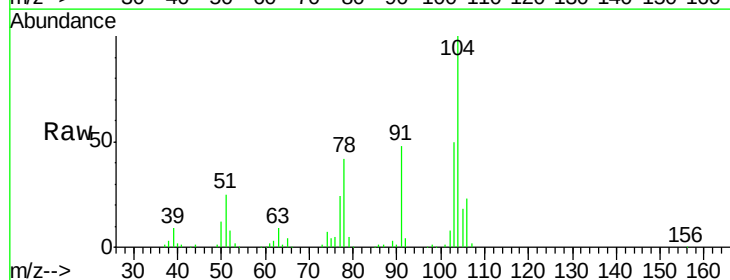
Manual Integrations
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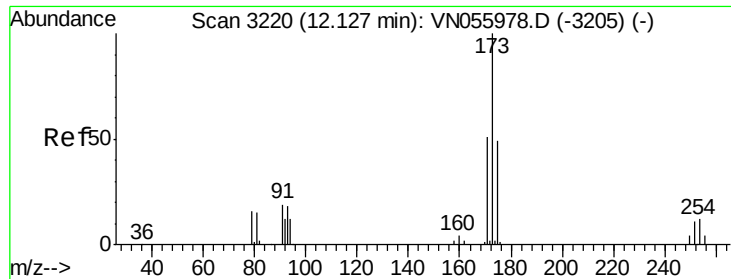
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#70
Styrene
Concen: 20.462 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion:104 Resp: 156367
Ion Ratio Lower Upper
104 100
78 46.9 37.8 56.6
103 55.9 44.2 66.2





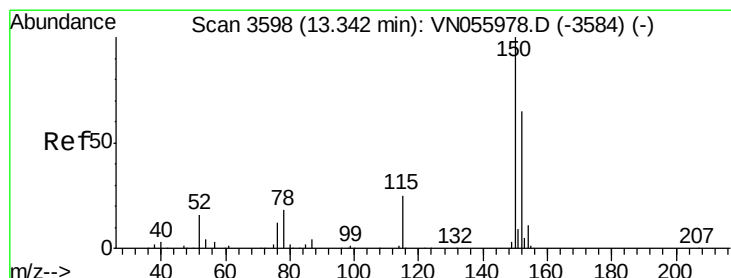
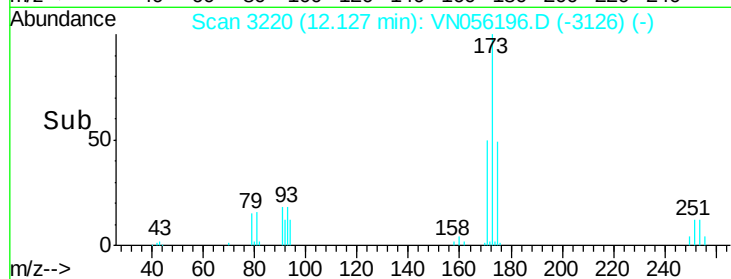
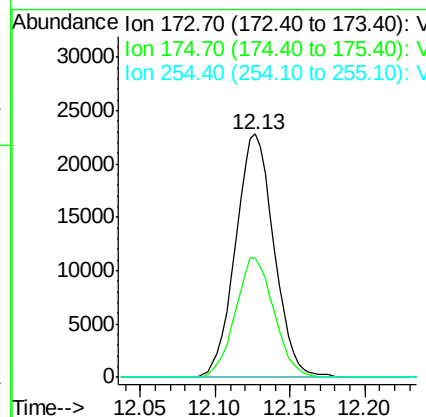
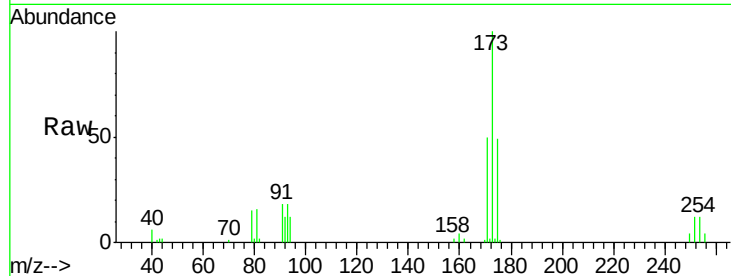
#71
Bromoform
Concen: 20.807 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

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

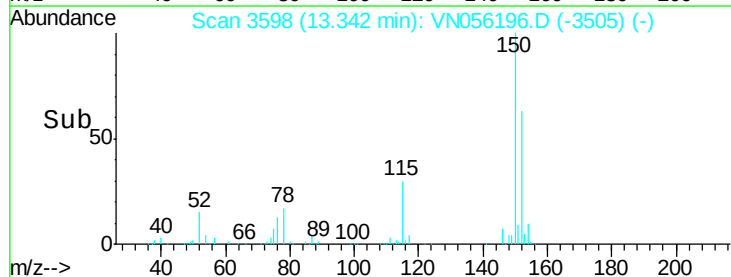
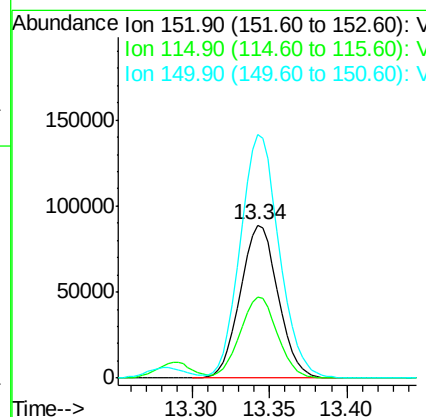
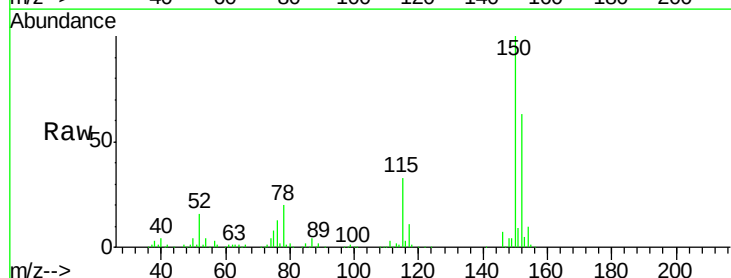
Manual Integrations
APPROVED

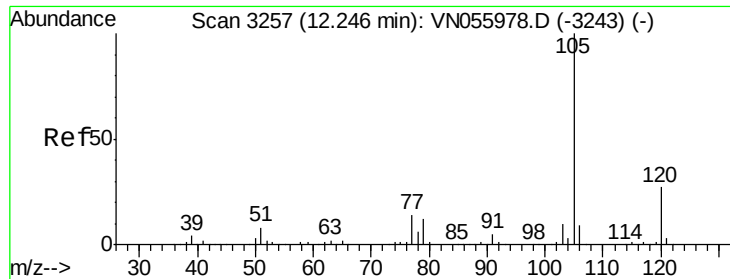
MMDadoda
6/11/2019 11:58:31 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	27.0	81.0
150	164.2	0.0	343.2





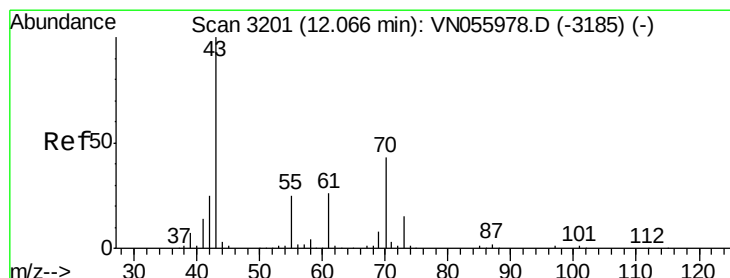
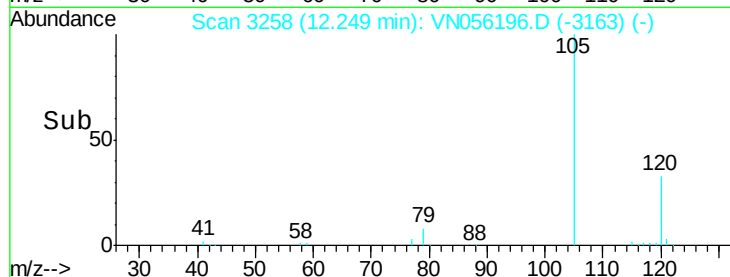
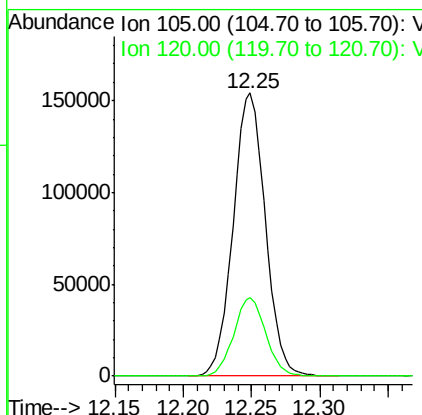
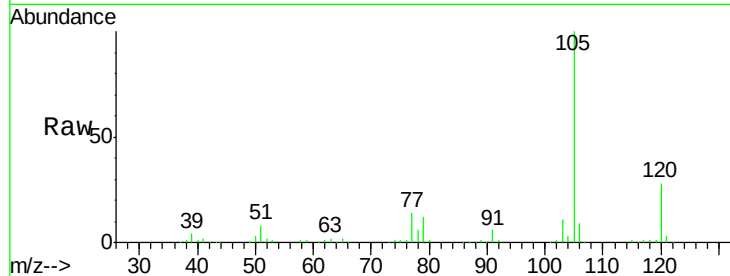
#73
Isopropylbenzene
Concen: 22.069 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampled :
VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.6	40.7

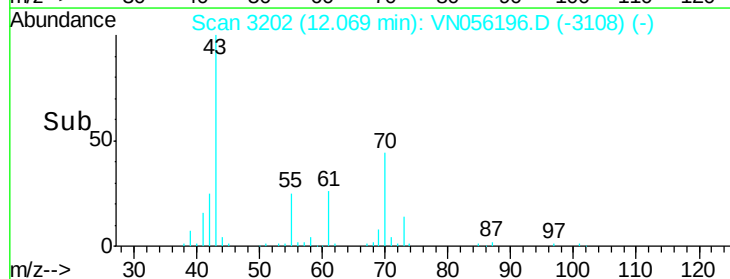
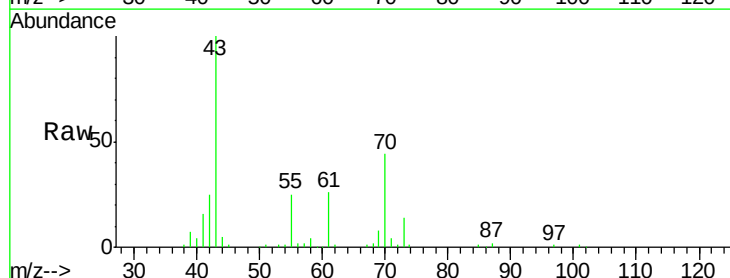
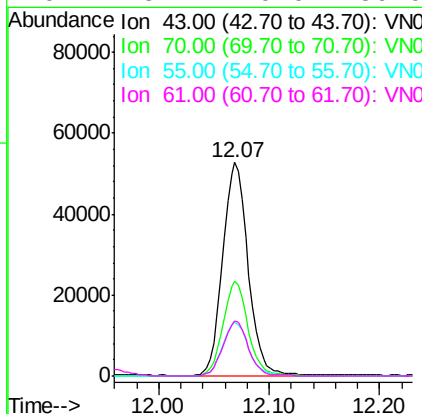
Manual Integrations
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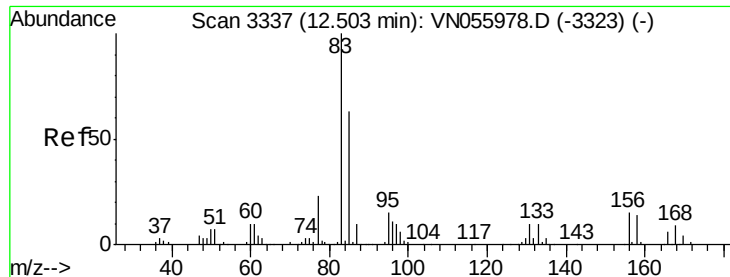
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#74
N-ethyl acetate
Concen: 21.154 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.0	51.0
55	25.6	18.6	28.0
61	25.2	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.564 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

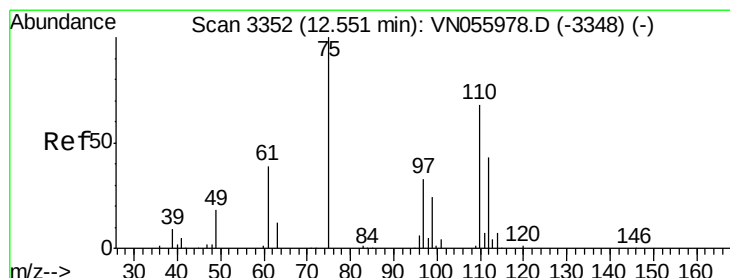
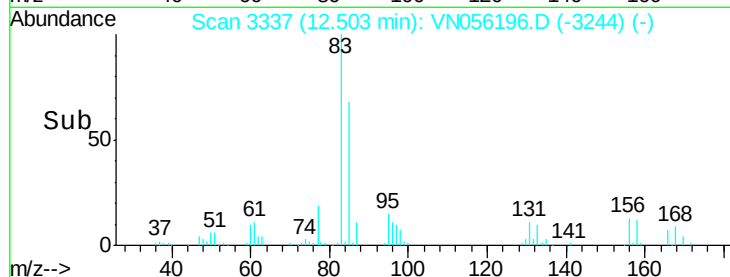
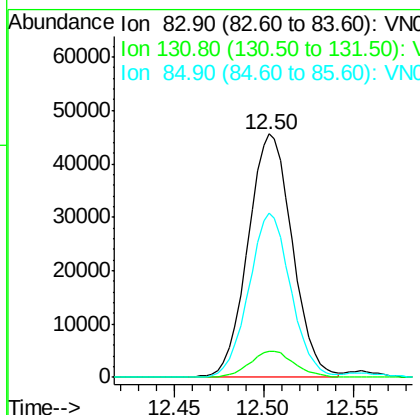
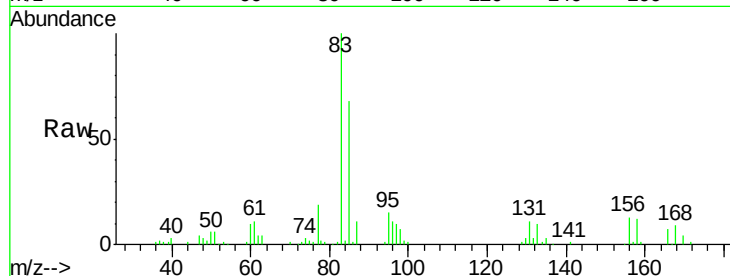
ClientSampleId :

VN0610WBSD02

Tot Ion:	83	Resp:	79100
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.1	32.4	97.0

Manual Integrations
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6/11/2019 11:58:31 AM



#76

1,2,3-Trichloropropane

Concen: 24.599 ug/l m

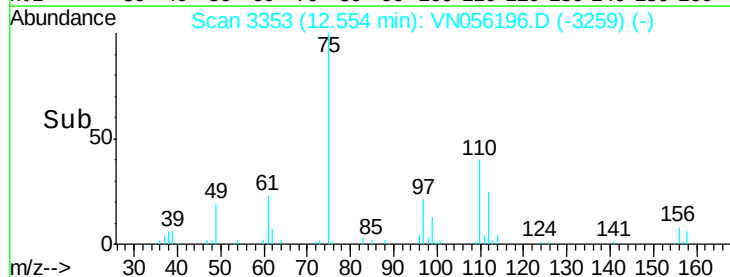
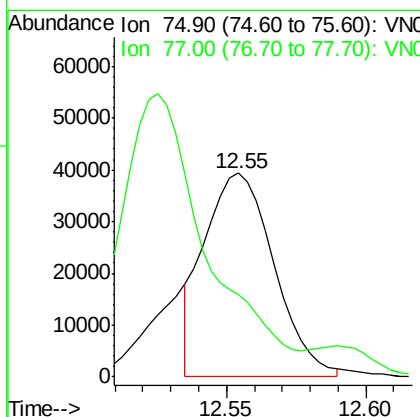
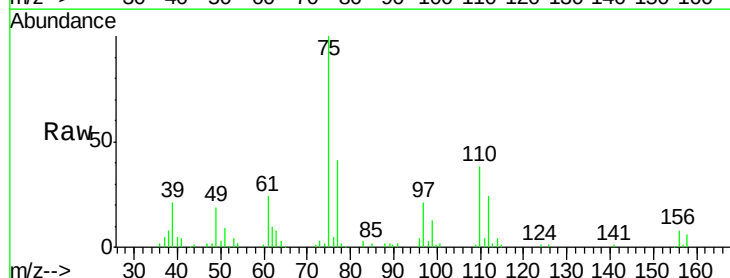
RT: 12.55 min Scan# 3353

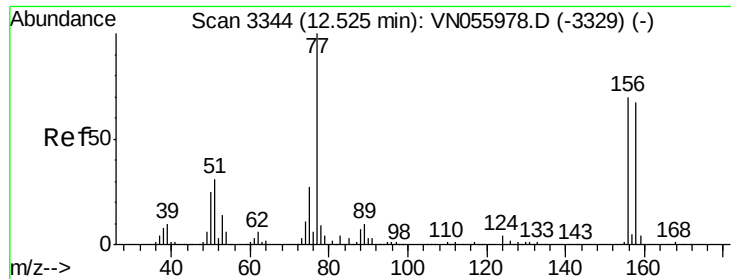
Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	75	Resp:	68352
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.477 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

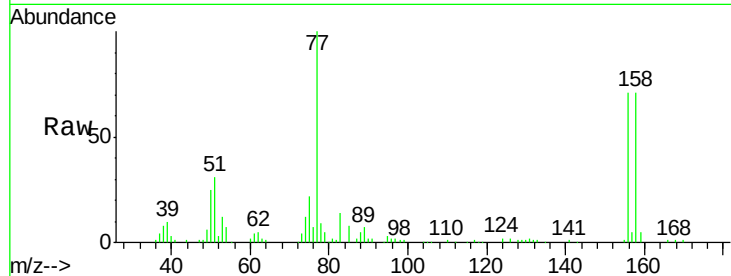
ClientSampleId :

VN0610WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		69436		
77	170.3		90.8	272.5	
158	97.6		49.3	147.8	

Manual Integrations
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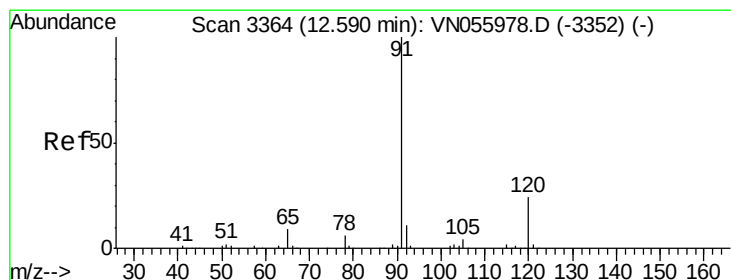
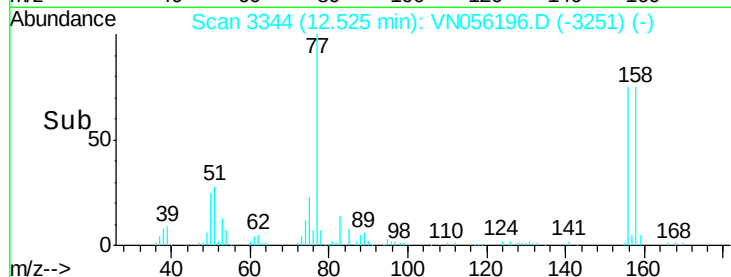
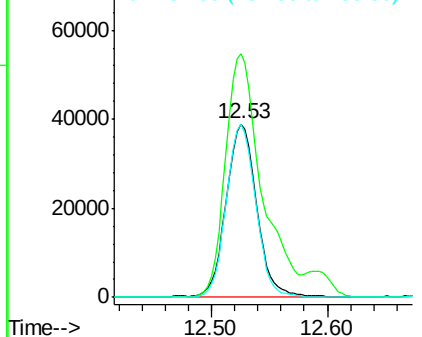
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.172 ug/l

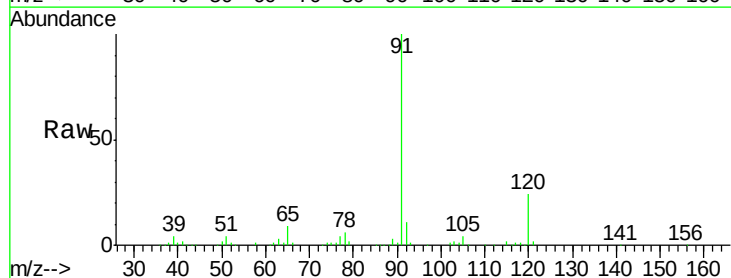
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056196.D

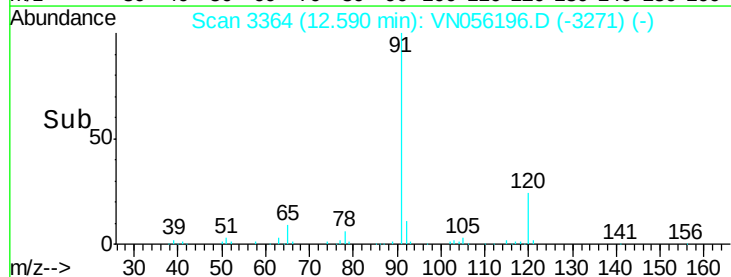
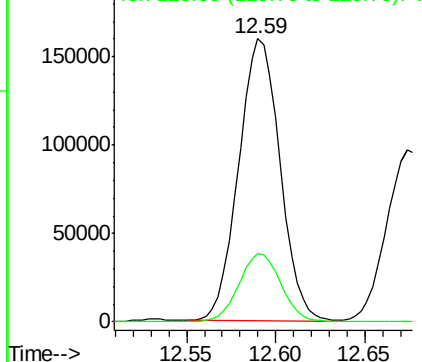
Acq: 11 Jun 2019 3:30

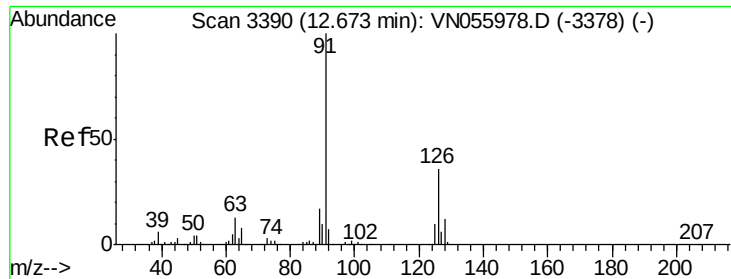
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		257697		
120	24.6		12.0	36.0	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.822 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 91 Resp: 163905

Ion Ratio Lower Upper

91 100

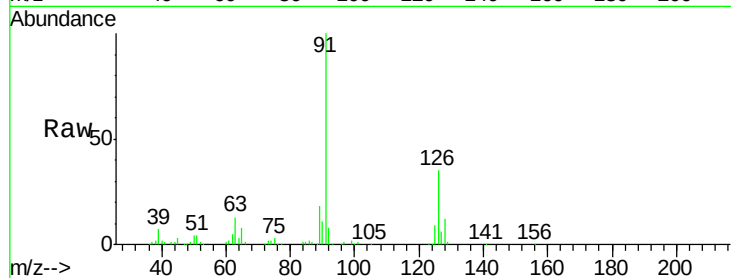
126 36.1 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

150000

100000

50000

0

12.67

12.65

12.67

12.69

12.71

12.73

12.75

12.77

12.79

12.81

12.83

12.85

12.87

12.89

12.91

12.93

12.95

12.97

12.99

13.01

13.03

13.05

13.07

13.09

13.11

13.13

13.15

13.17

13.19

13.21

13.23

13.25

13.27

13.29

13.31

13.33

13.35

13.37

13.39

13.41

13.43

13.45

13.47

13.49

13.51

13.53

13.55

13.57

13.59

13.61

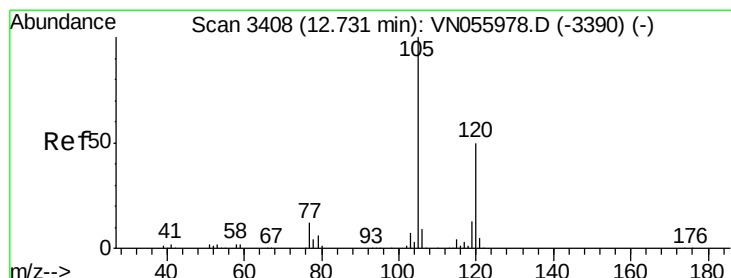
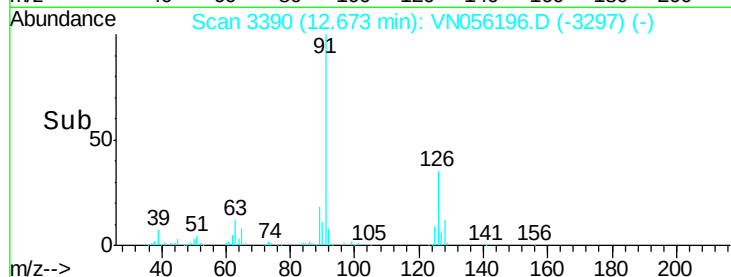
13.63

13.65

13.67

13.69

13.71



#80

1,3,5-Trimethylbenzene

Concen: 20.337 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056196.D

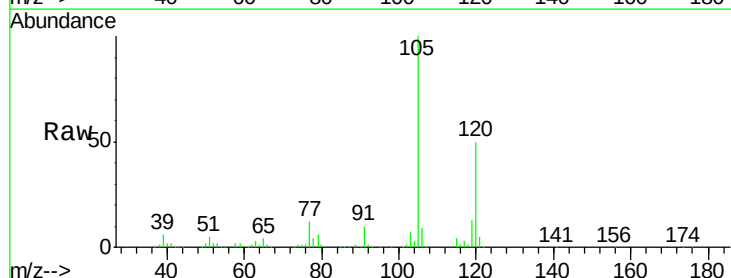
Acq: 11 Jun 2019 3:30

Tgt Ion:105 Resp: 206482

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

150000

100000

50000

0

12.73

12.71

12.73

12.75

12.77

12.79

12.81

12.83

12.85

12.87

12.89

12.91

12.93

12.95

12.97

12.99

13.01

13.03

13.05

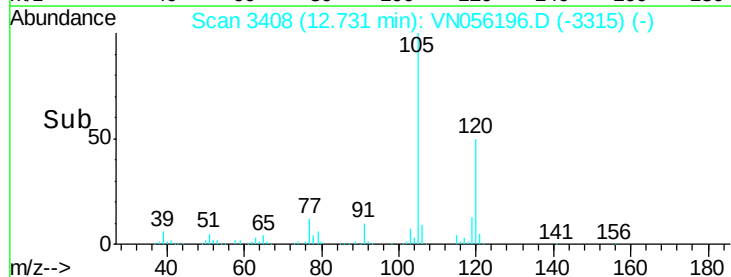
13.07

13.09

13.11

13.13

13.15



Abundance Ion 105.00 (104.70 to 105.70): VN056196.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056196.D (-3315) (-)

150000

100000

50000

0

12.73

12.71

12.73

12.75

12.77

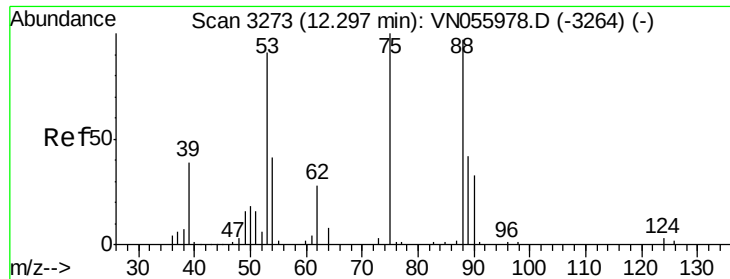
12.79

12.81

12.83

12.85

12.87



#81

trans-1,4-Dichloro-2-butene

Concen: 17.664 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 75 Resp: 14738

Ion Ratio Lower Upper

75 100

53 106.5 68.1 102.1#

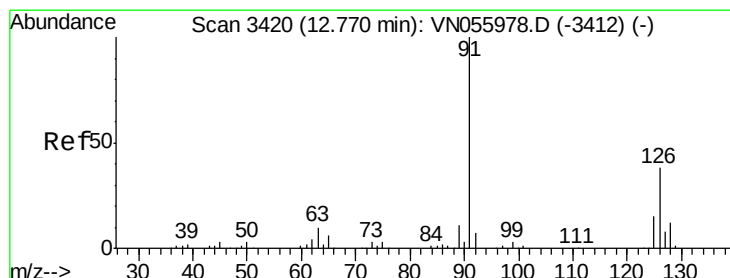
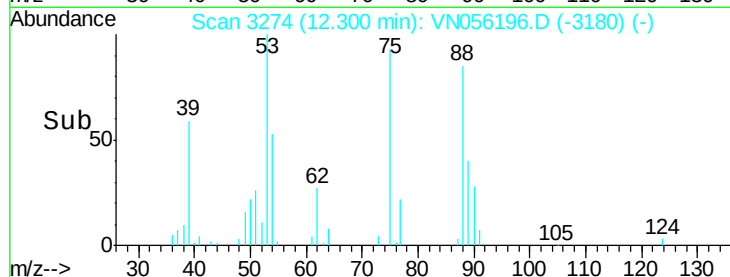
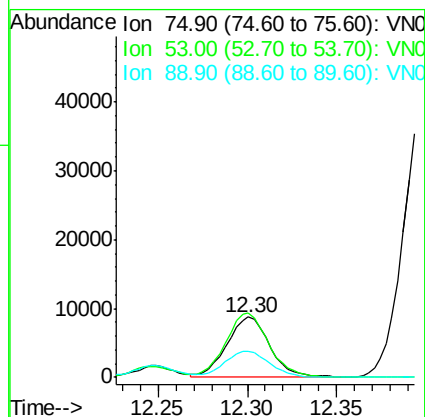
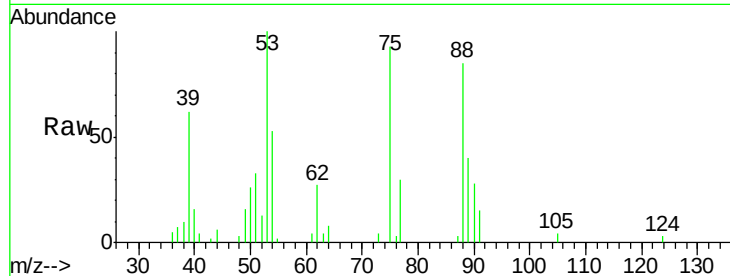
89 44.9 36.9 55.3

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.109 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056196.D

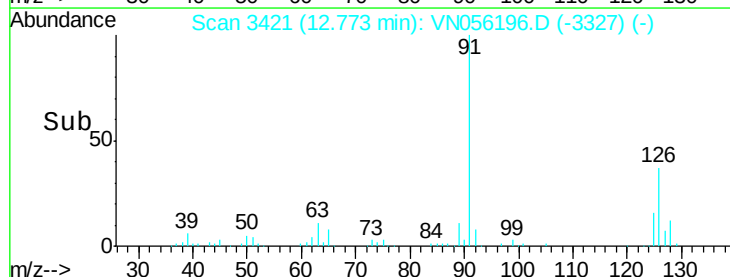
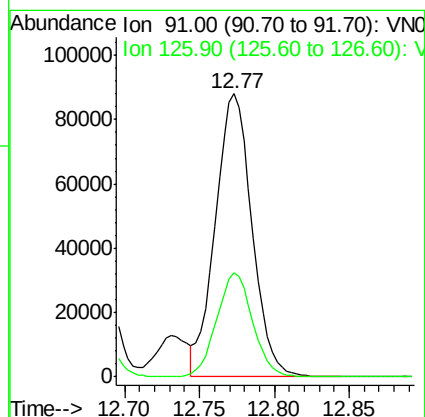
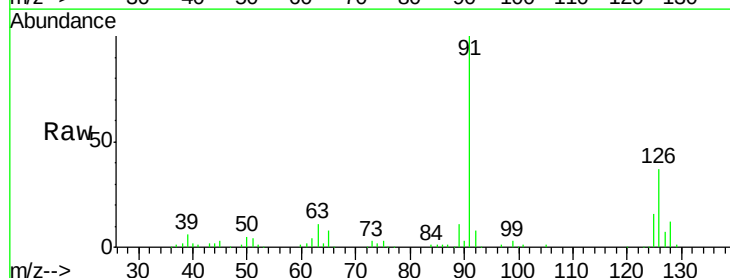
Acq: 11 Jun 2019 3:30

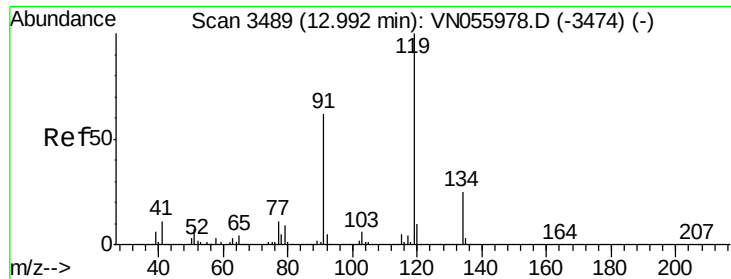
Tgt Ion: 91 Resp: 150293

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.3





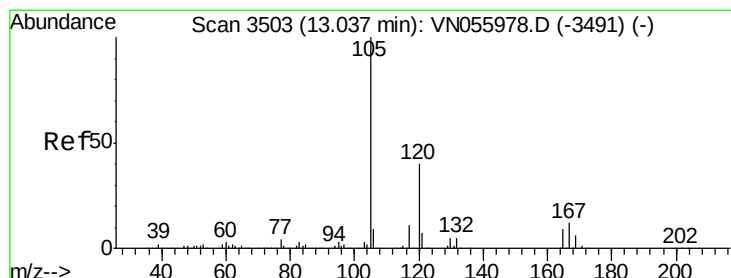
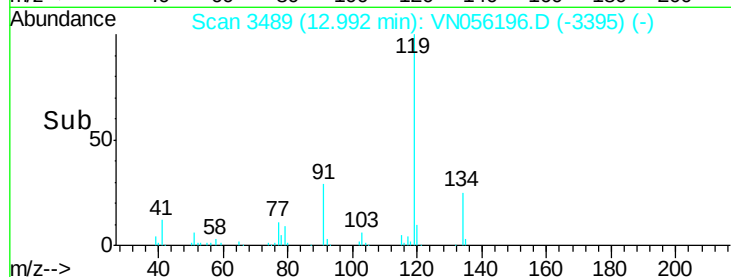
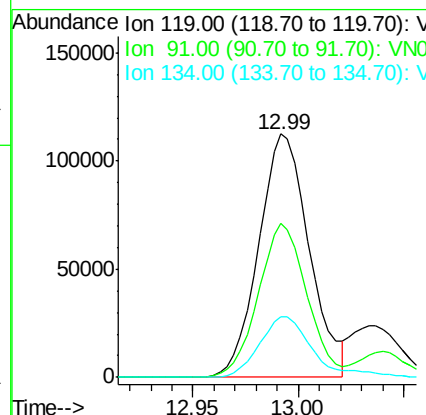
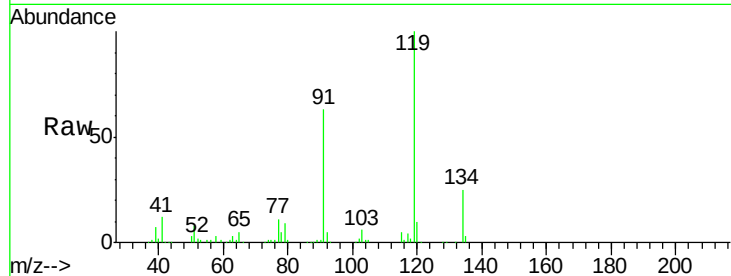
#83
 tert-Butylbenzene
 Concen: 22.279 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.9	92.8
134	26.2	13.3	39.8

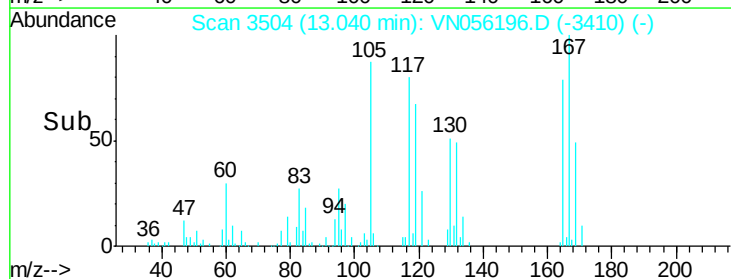
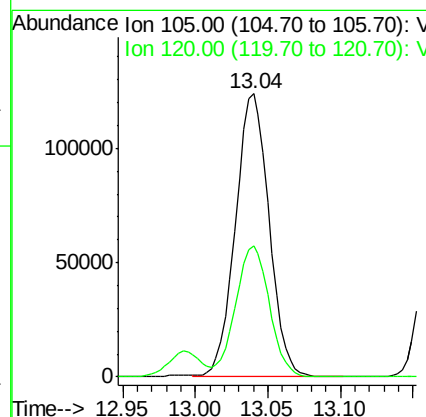
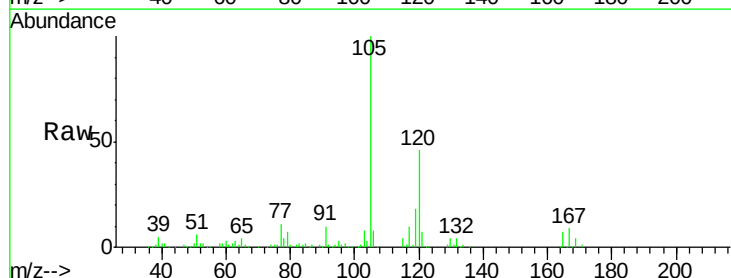
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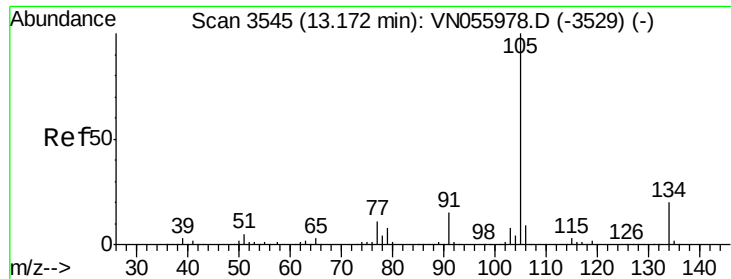
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.710 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.281 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion:105 Resp: 229448

Ion Ratio Lower Upper

105 100

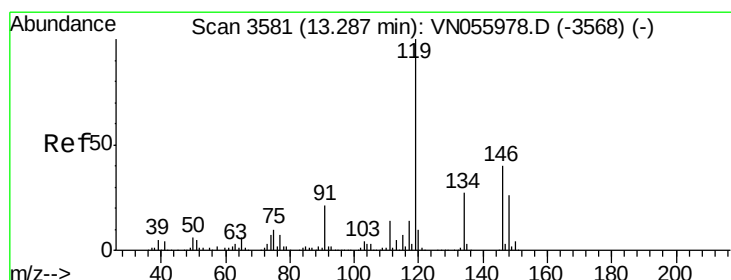
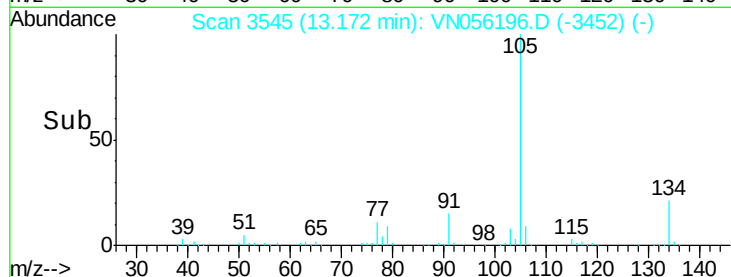
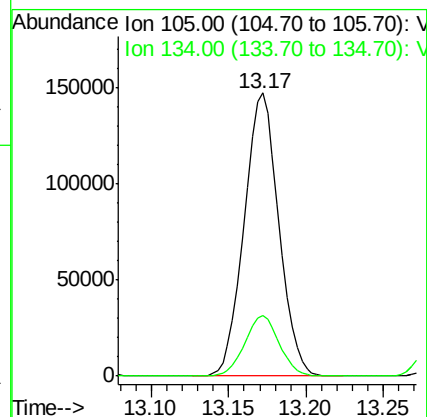
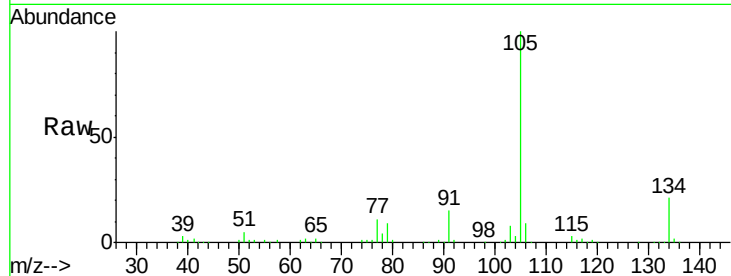
134 21.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.950 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

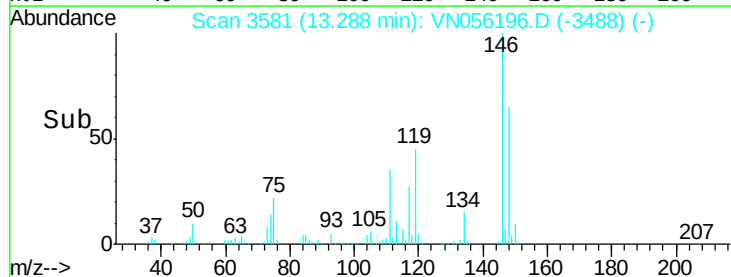
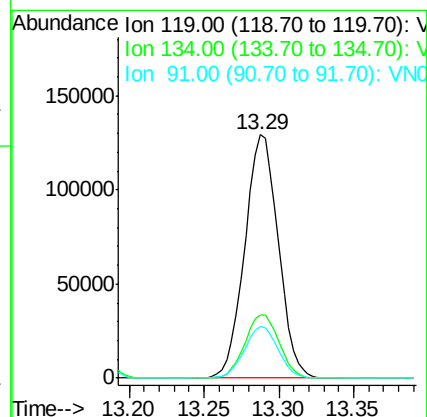
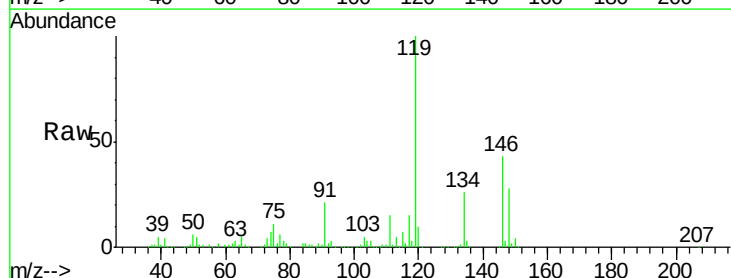
Tgt Ion:119 Resp: 202003

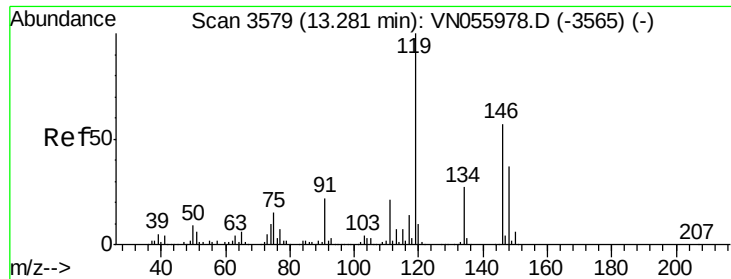
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.643 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

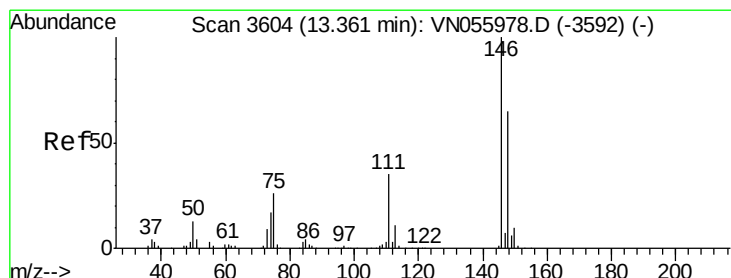
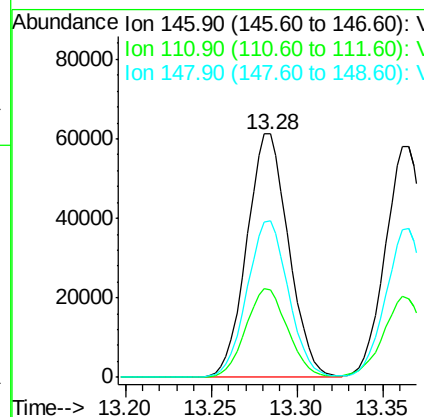
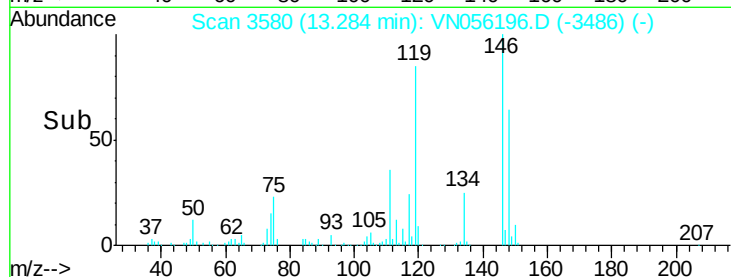
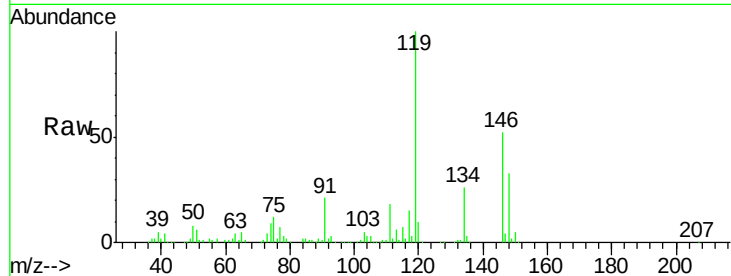
ClientSampled :

VN0610WBSD02

Tot Ion:	146	Resp:	103295
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.5	55.5
148	63.6	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 20.247 ug/l

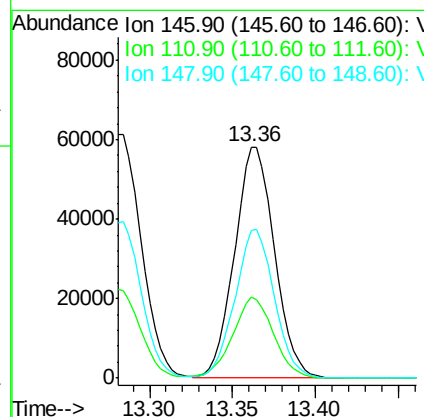
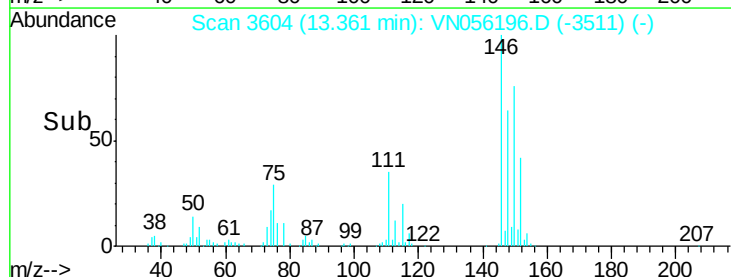
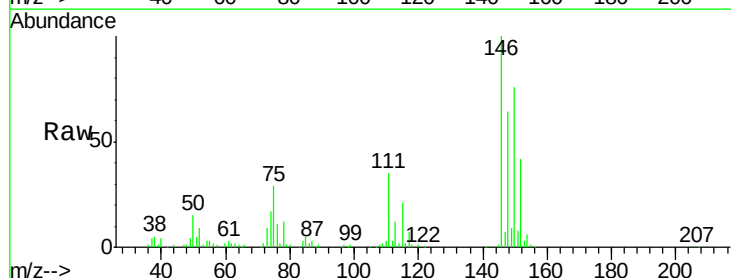
RT: 13.36 min Scan# 3604

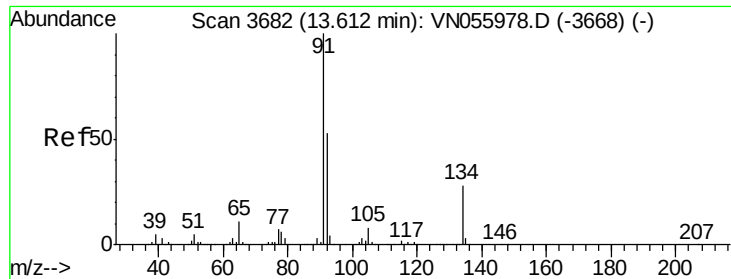
Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	146	Resp:	97460
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.1	54.4
148	63.6	32.1	96.5





#89

n-Butylbenzene

Concen: 17.564 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

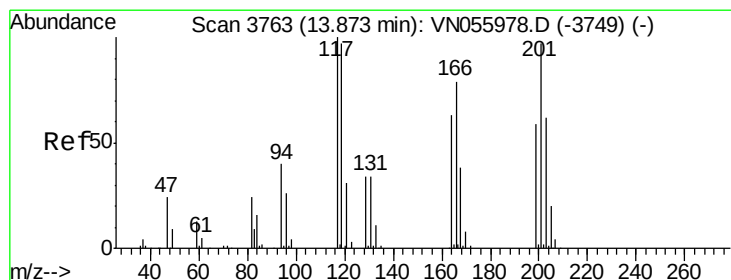
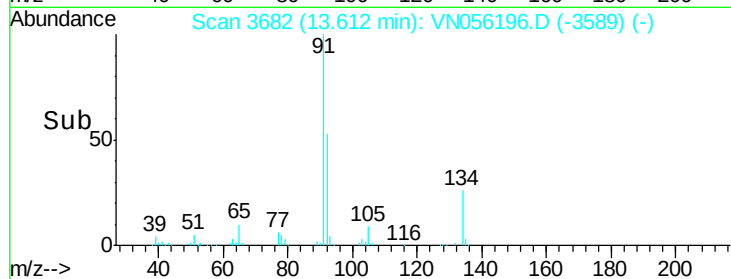
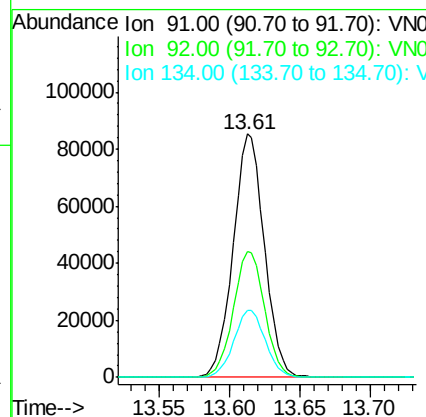
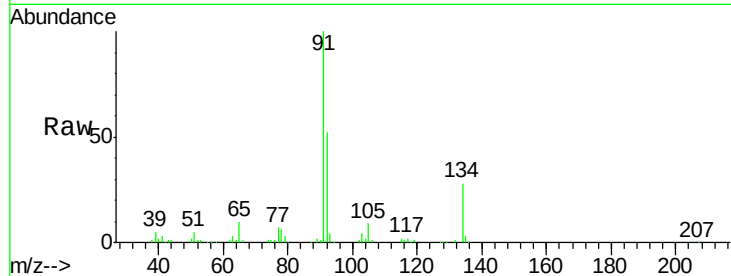
ClientSampleId :

VN0610WBSD02

Tot Ion:	91	Resp:	131739
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.4	79.0
134	27.9	13.9	41.7

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#90

Hexachloroethane

Concen: 21.562 ug/l

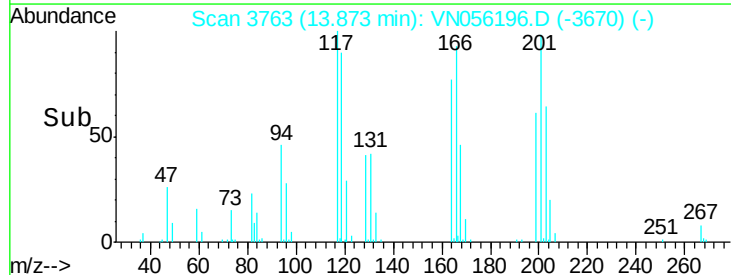
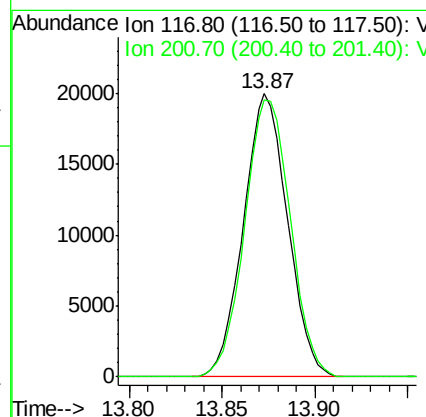
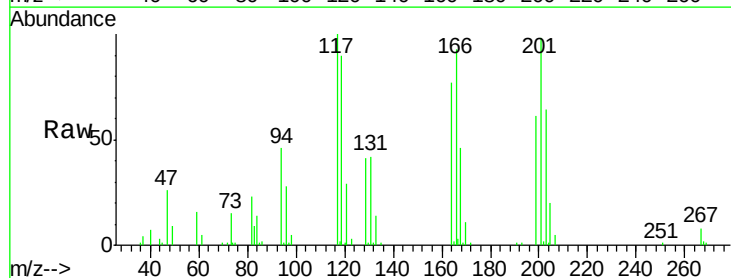
RT: 13.87 min Scan# 3763

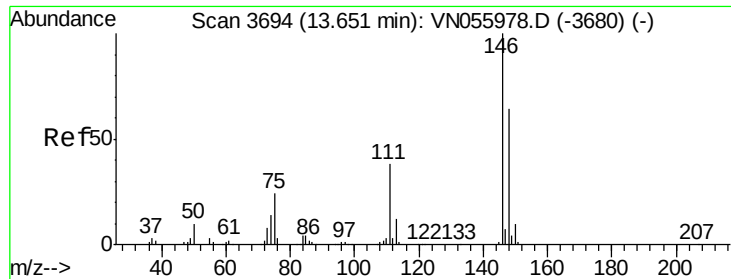
Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	117	Resp:	32924
Ion Ratio	Lower	Upper	
117	100		
201	101.6	50.0	150.0





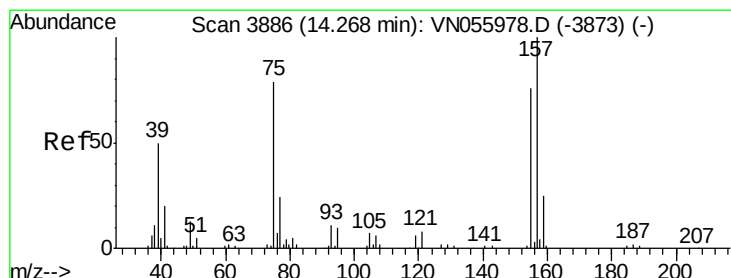
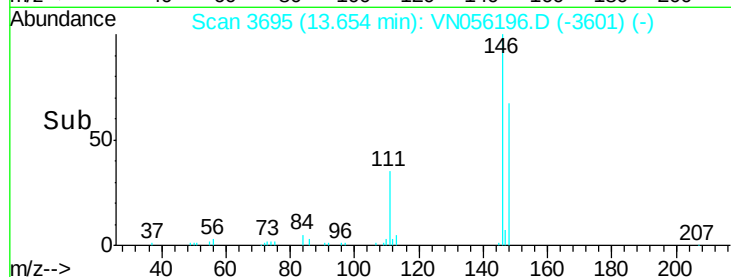
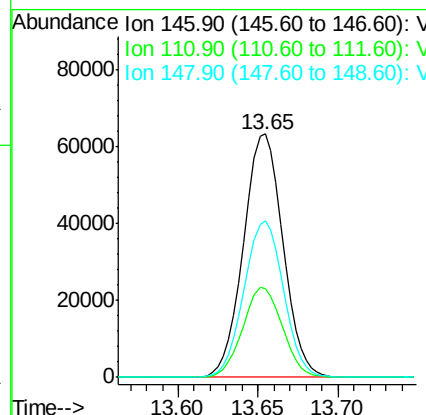
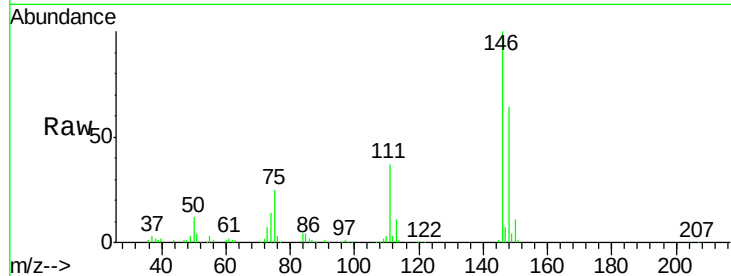
#91
 1,2-Dichlorobenzene
 Concen: 21.083 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.5
148	64.4	31.9	95.9

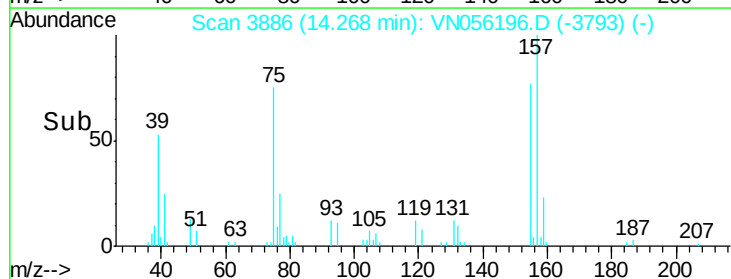
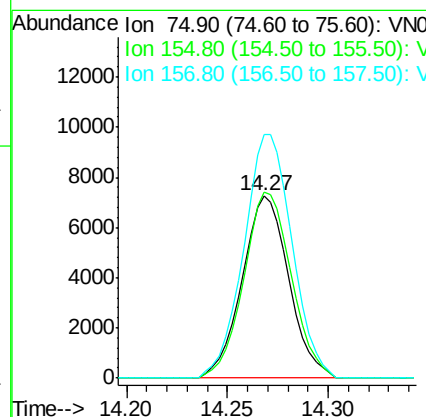
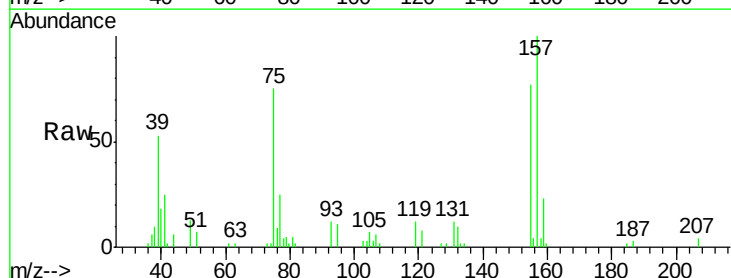
Manual Integrations
 APPROVED

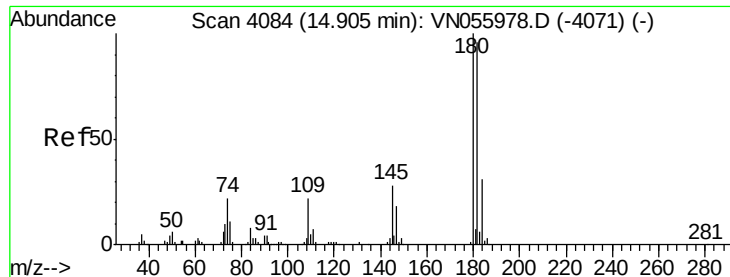
MMDadoda
 6/11/2019 11:58:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.498 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	50.0	150.1
157	138.0	64.8	194.3





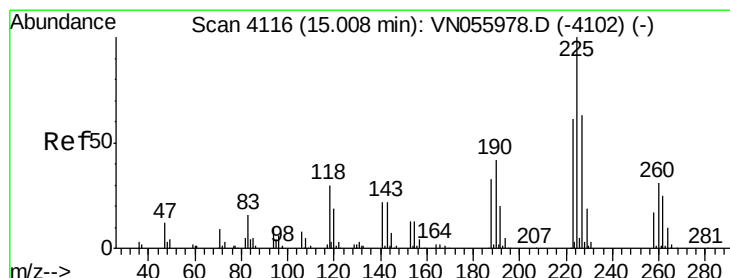
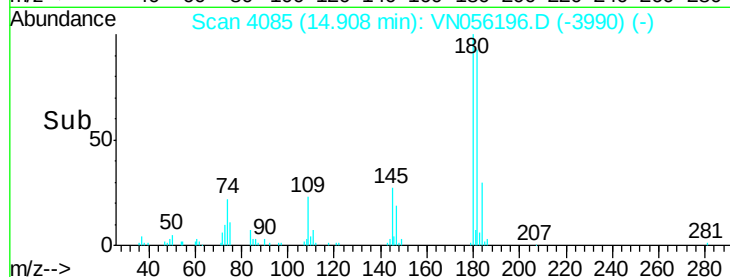
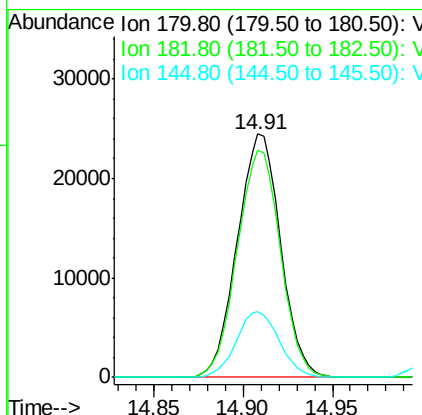
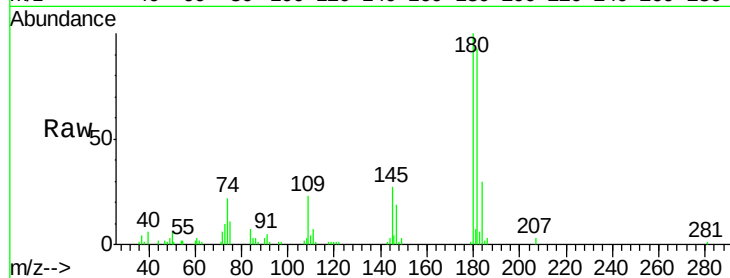
#93
1,2,4-Trichlorobenzene
Concen: 17.830 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.3	144.9
145	26.8	14.0	41.9

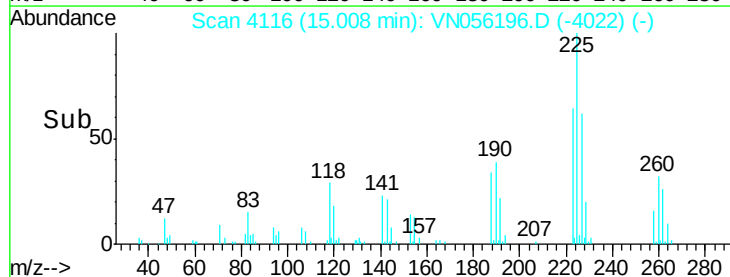
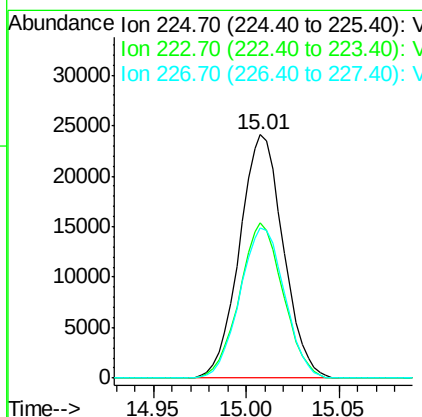
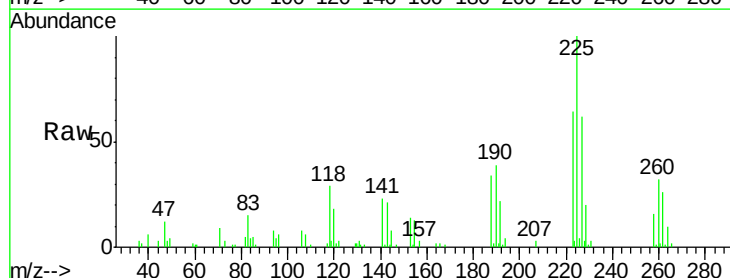
Manual Integrations
APPROVED

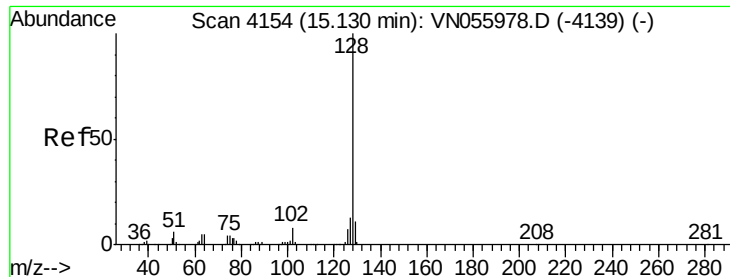
MMDadoda
6/11/2019 11:58:31 AM



#94
Hexachlorobutadiene
Concen: 21.533 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.7
227	63.1	31.6	94.7





#95

Naphthalene

Concen: 33.189 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

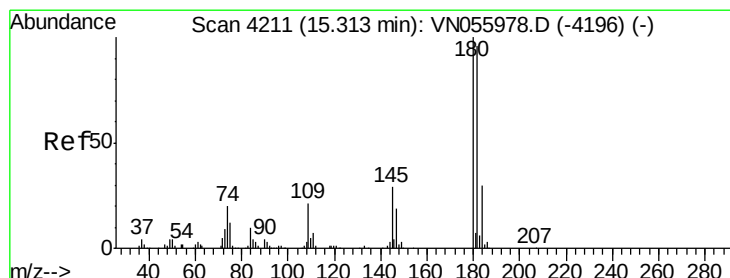
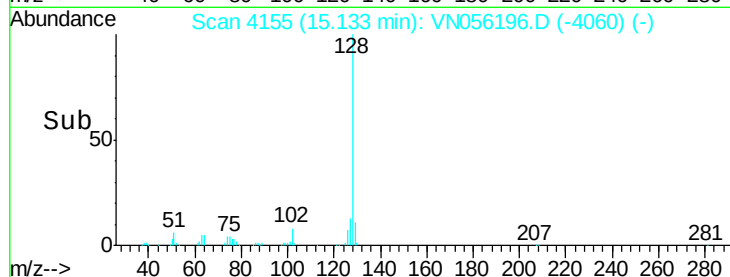
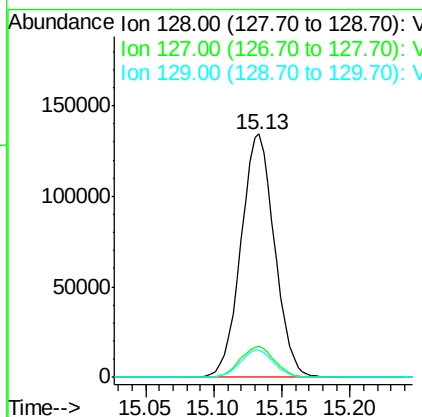
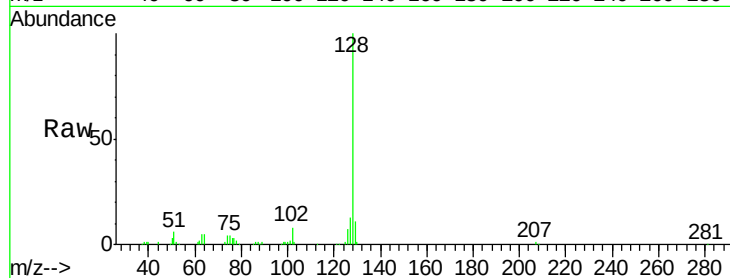
ClientSampleId :

VN0610WBSD02

Tot Ion:	128	Resp:	229580
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:58:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.571 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion:	180	Resp:	49956
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.9	143.7
145	27.7	14.9	44.7

