

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056188.D
 Acq On : 11 Jun 2019 00:09
 Operator : JC/SP
 Sample : VN0610WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:59:34 AM

Quant Time: Jun 11 04:48:29 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	276069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	401315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	362123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	141171	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	7.59	113	127782	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	10.09	98	471576	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	154211	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	58252	19.425	ug/l	99
3) Chloromethane	2.06	50	61725	20.626	ug/l	98
4) Vinyl Chloride	2.19	62	61284	20.415	ug/l	99
5) Bromomethane	2.53	94	33026	17.416	ug/l	99
6) Chloroethane	2.68	64	35074	20.152	ug/l	96
7) Trichlorofluoromethane	3.00	101	76686	20.011	ug/l	98
8) Diethyl Ether	3.40	74	30883	19.597	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48234	20.720	ug/l	99
10) Methyl Iodide	3.94	142	45055	12.179	ug/l	98
11) Tert butyl alcohol	4.82	59	44181	92.619	ug/l	99
12) 1,1-Dichloroethene	3.72	96	47972	20.699	ug/l	95
13) Acrolein	3.60	56	10398	75.580	ug/l	98
14) Allyl chloride	4.31	41	71955	19.662	ug/l	98
15) Acrylonitrile	4.99	53	136041	117.156	ug/l	100
16) Acetone	3.82	43	113873	86.860	ug/l	100
17) Carbon Disulfide	4.03	76	101842	18.353	ug/l	99
18) Methyl Acetate	4.33	43	64420	24.723	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	154303	20.888	ug/l	99
20) Methylene Chloride	4.54	84	56510	20.922	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	50555	20.359	ug/l	97
22) Diisopropyl ether	5.96	45	158780	20.989	ug/l	99
23) Vinyl Acetate	5.90	43	622924	104.565	ug/l	99
24) 1,1-Dichloroethane	5.84	63	92108	21.108	ug/l	99
25) 2-Butanone	6.84	43	179321	108.259	ug/l	100
26) 2,2-Dichloropropane	6.82	77	48606	14.275	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	59333	20.327	ug/l	97
28) Bromochloromethane	7.19	49	43654	21.154	ug/l	96
29) Tetrahydrofuran	7.22	42	117324	114.587	ug/l	100
30) Chloroform	7.37	83	94807	21.598	ug/l	99
31) Cyclohexane	7.65	56	80950	18.611	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	75749	20.664	ug/l	99
36) 1,1-Dichloropropene	7.79	75	66028	19.134	ug/l	99
37) Ethyl Acetate	6.93	43	71693	23.350	ug/l	99
38) Carbon Tetrachloride	7.77	117	66276	20.832	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	78040	18.155	ug/l	99
40) Benzene	8.04	78	215779	20.588	ug/l	100
41) Methacrylonitrile	7.17	41	30041	21.266	ug/l	91
42) 1,2-Dichloroethane	8.12	62	71224	21.127	ug/l	100
43) Isopropyl Acetate	8.17	43	105468	21.198	ug/l #	92
44) Trichloroethene	8.83	130	60254	20.007	ug/l	96
45) 1,2-Dichloropropane	9.12	63	57201	21.307	ug/l	99
46) Dibromomethane	9.21	93	38656	22.020	ug/l	99
47) Bromodichloromethane	9.40	83	70184	22.059	ug/l	99
48) Methyl methacrylate	9.20	41	53194	21.854	ug/l	99
49) 1,4-Dioxane	9.21	88	22596	429.997	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	351772	113.061	ug/l	100
52) Toluene	10.16	92	136187	20.882	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	62702	18.401	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	76369	19.969	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	56947	22.044	ug/l	99
56) Ethyl methacrylate	10.43	69	79329	21.049	ug/l	99
57) 1,3-Dichloropropane	10.71	76	91841	21.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	131378	97.564	ug/l	99
59) 2-Hexanone	10.75	43	245209	108.738	ug/l	100
60) Dibromochloromethane	10.90	129	57215	21.548	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56742	21.485	ug/l	97
64) Tetrachloroethene	10.63	164	63567	20.279	ug/l	99
65) Chlorobenzene	11.43	112	146221	20.289	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54154	21.762	ug/l	99
67) Ethyl Benzene	11.51	91	249028	19.872	ug/l	98
68) m/p-Xylenes	11.62	106	189280	39.538	ug/l	99
69) o-Xylene	11.95	106	93184	19.788	ug/l	100
70) Styrene	11.96	104	150005	20.049	ug/l	100
71) Bromoform	12.13	173	40479	21.055	ug/l #	99
73) Isopropylbenzene	12.25	105	249016	22.847	ug/l	100
74) N-amyl acetate	12.07	43	83525	21.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78049	23.252	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	66998m	25.182	ug/l	
77) Bromobenzene	12.53	156	66714	21.551	ug/l	95
78) n-propylbenzene	12.59	91	251070	20.525	ug/l	99
79) 2-Chlorotoluene	12.67	91	160124	22.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	200548	20.629	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14669	18.361	ug/l #	81
82) 4-Chlorotoluene	12.77	91	145934	20.392	ug/l	99
83) tert-Butylbenzene	12.99	119	183471	22.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	190855	20.702	ug/l	98
85) sec-Butylbenzene	13.17	105	226585	20.916	ug/l	100
86) p-Isopropyltoluene	13.29	119	197535	20.375	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	98088	20.472	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	90678	19.674	ug/l	99
89) n-Butylbenzene	13.61	91	130643	18.190	ug/l	99
90) Hexachloroethane	13.87	117	32465	22.204	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	99368	20.542	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11292	23.520	ug/l	95

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QLast Update : Tue Jun 04 11:02:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37294	17.066	ug/l	98
94) Hexachlorobutadiene	15.01	225	37070	21.140	ug/l	98
95) Naphthalene	15.13	128	101291	17.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45059	18.612	ug/l	99

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

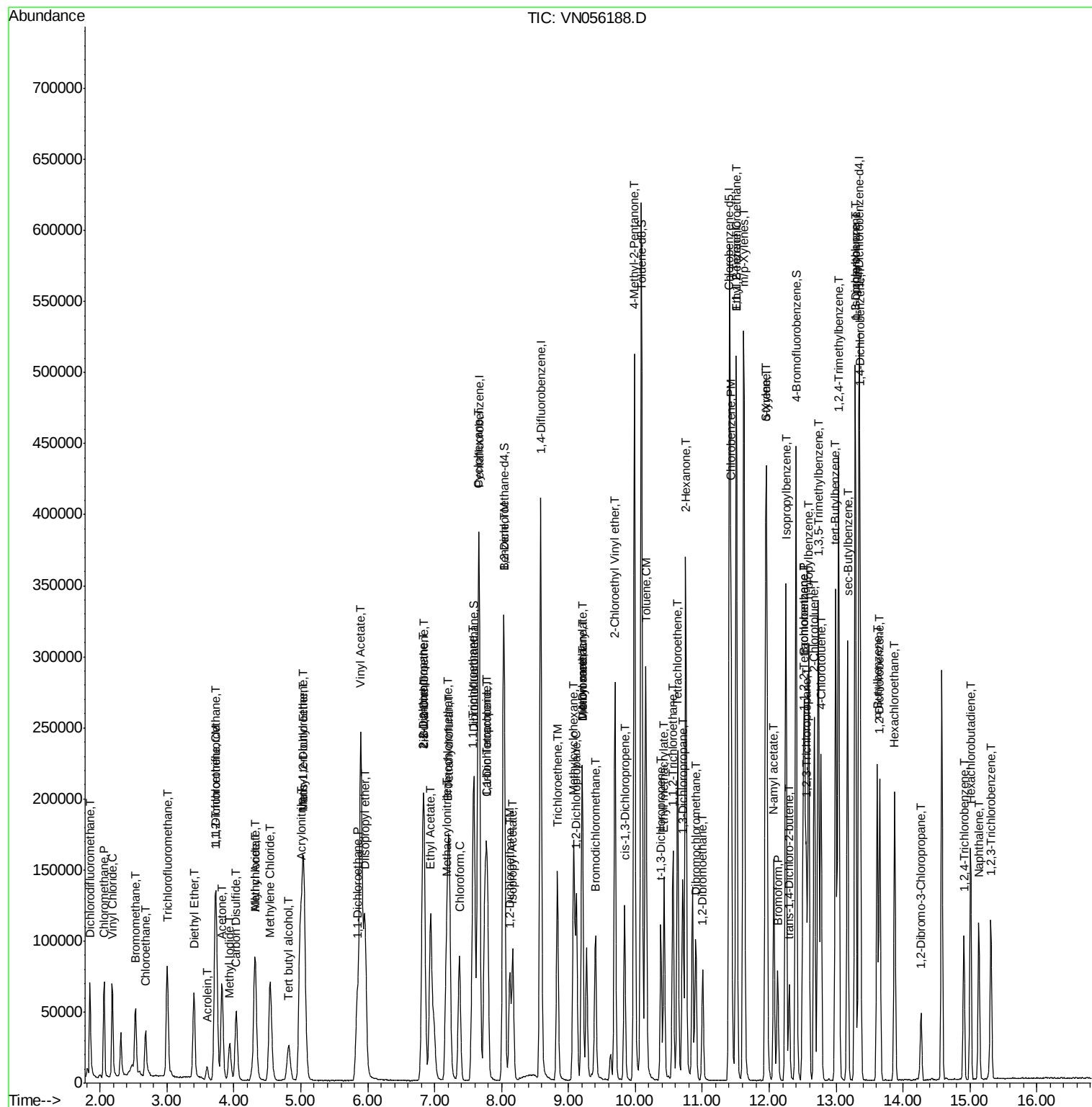
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Data File : VN056188.D
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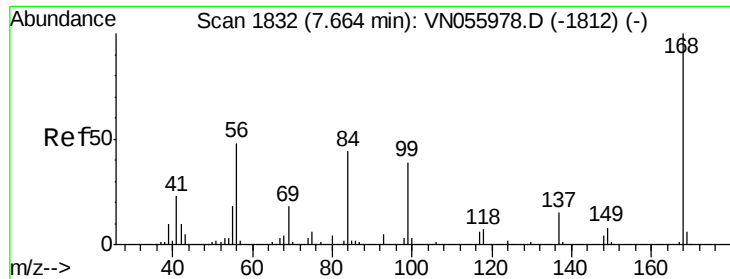
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion:168 Resp: 276069

Ion Ratio Lower Upper

168 100

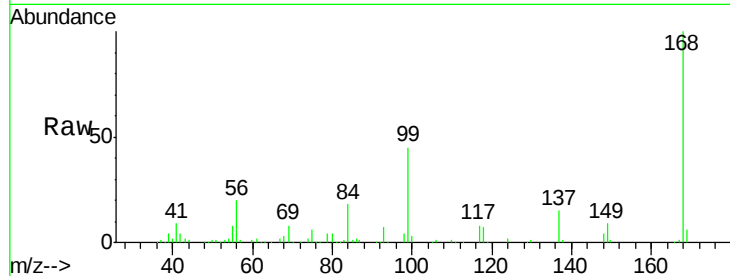
99 44.7 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

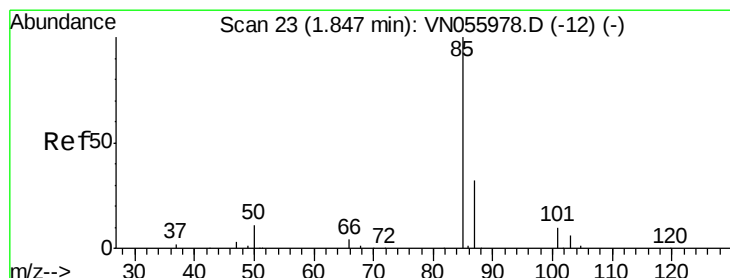
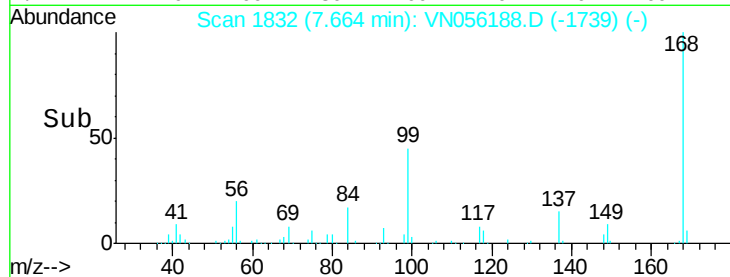
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.425 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056188.D

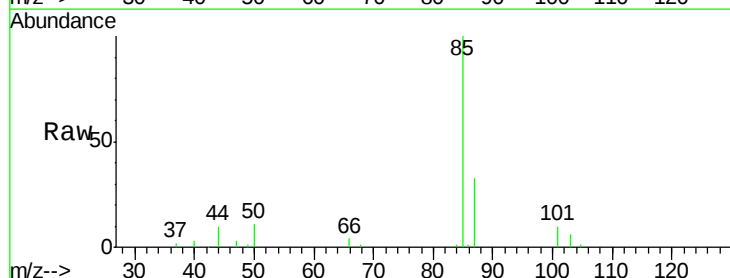
Acq: 11 Jun 2019 00:09

Tgt Ion: 85 Resp: 58252

Ion Ratio Lower Upper

85 100

87 33.0 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

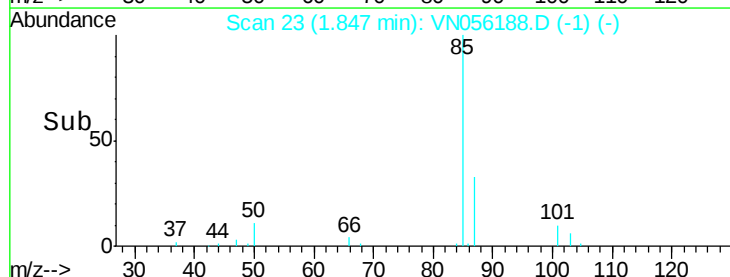
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.626 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 50 Resp: 61725

Ion Ratio Lower Upper

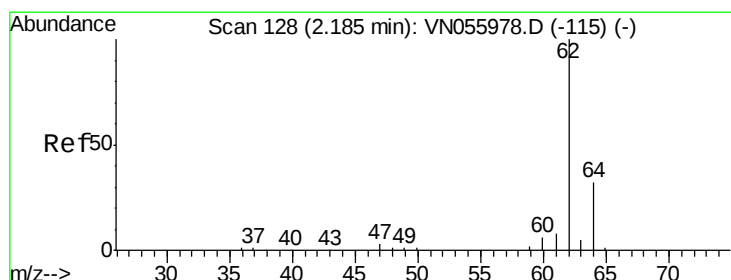
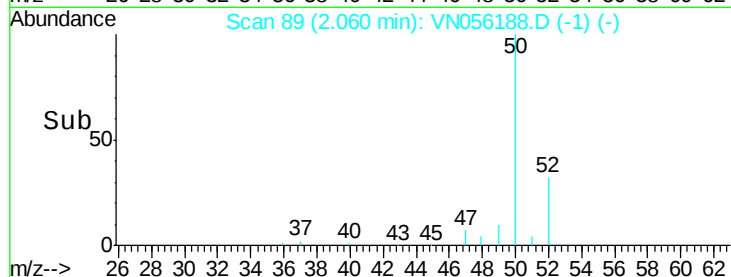
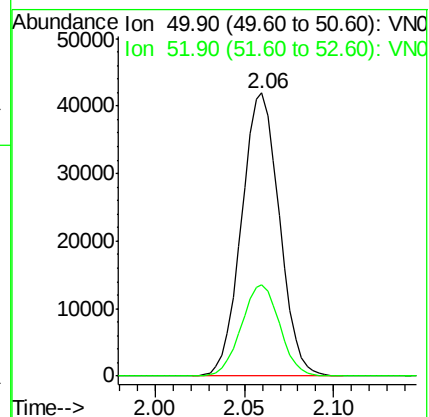
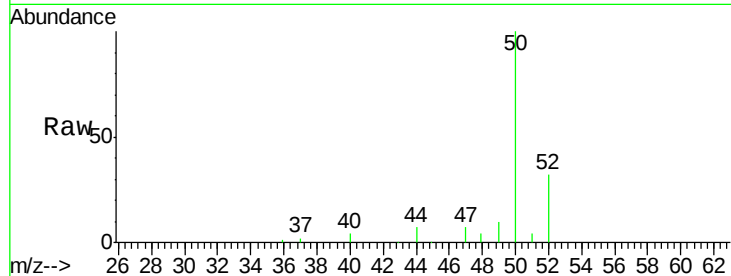
50 100

52 32.1 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.415 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056188.D

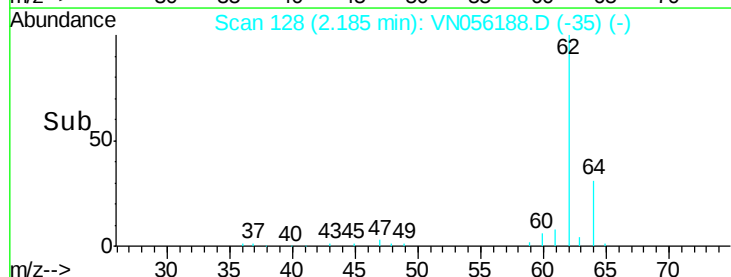
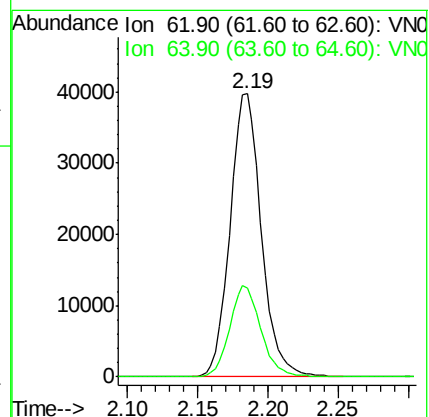
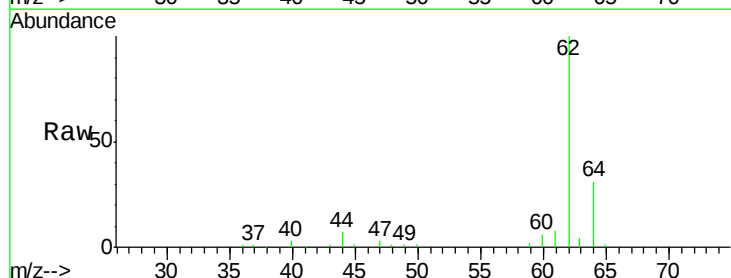
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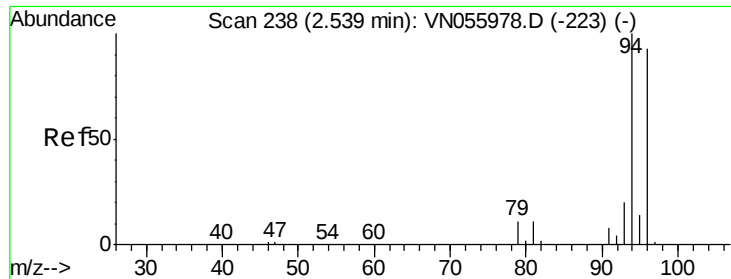
Tgt Ion: 62 Resp: 61284

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 17.416 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 33026

Ion Ratio Lower Upper

94 100

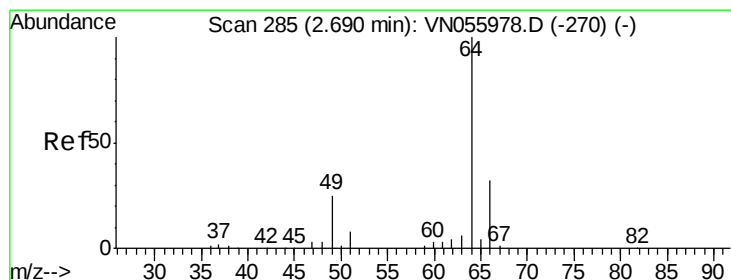
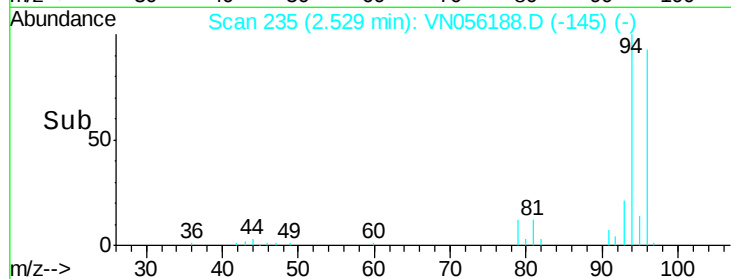
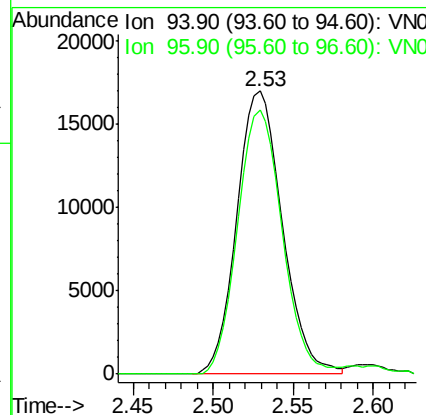
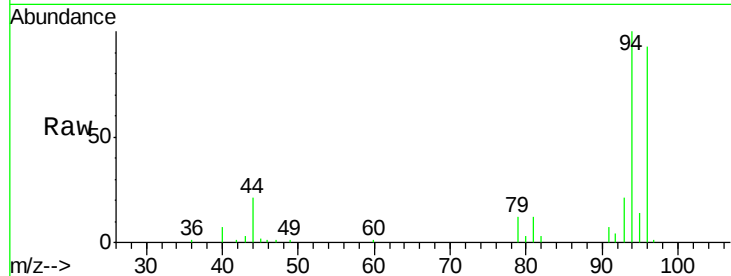
96 93.2 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 20.152 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056188.D

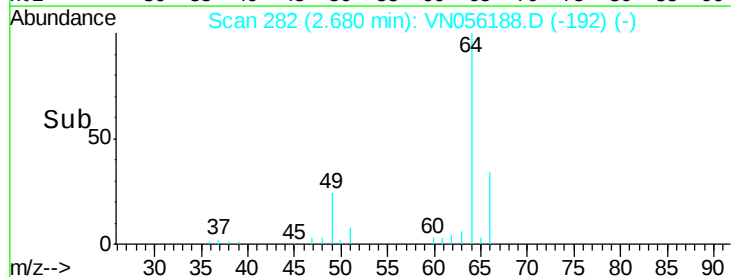
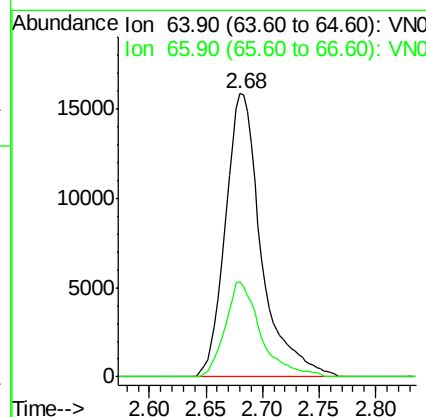
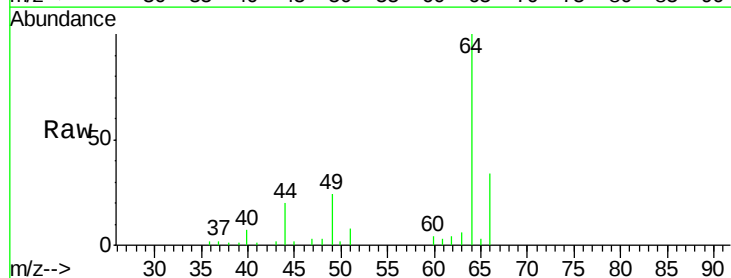
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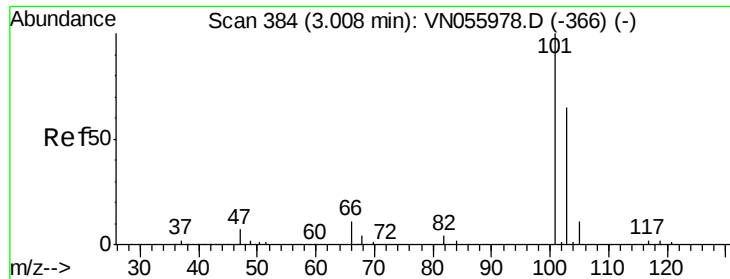
Tgt Ion: 64 Resp: 35074

Ion Ratio Lower Upper

64 100

66 33.7 25.4 38.0





#7

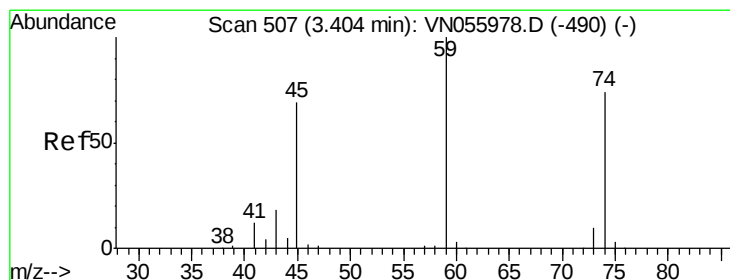
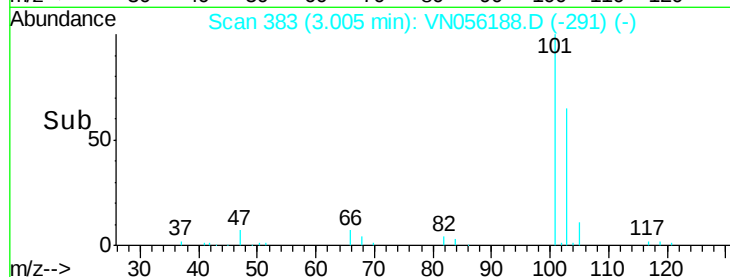
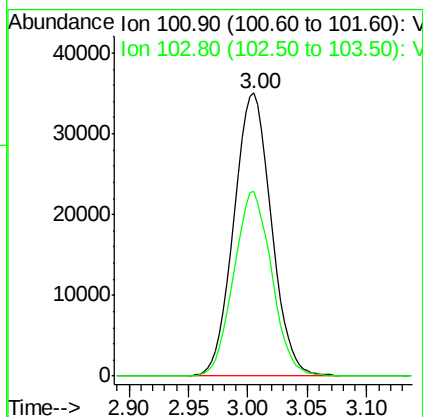
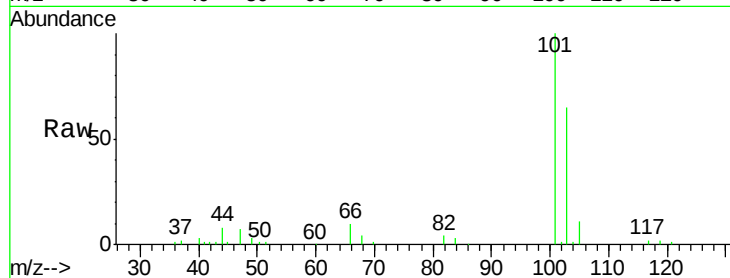
Trichlorofluoromethane
Concen: 20.011 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
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ClientSampleId :
VN0610WBS02

Tot Ion:101 Resp: 76686
Ion Ratio Lower Upper
101 100
103 65.3 51.2 76.8

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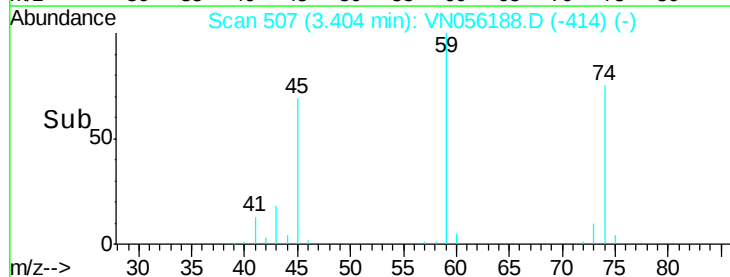
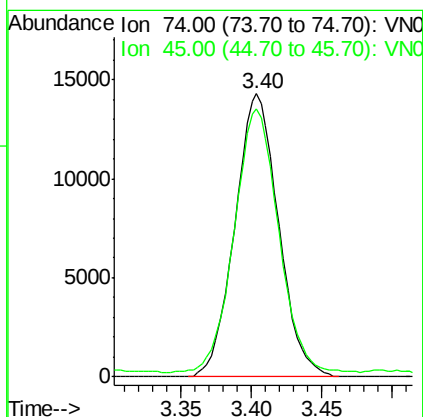
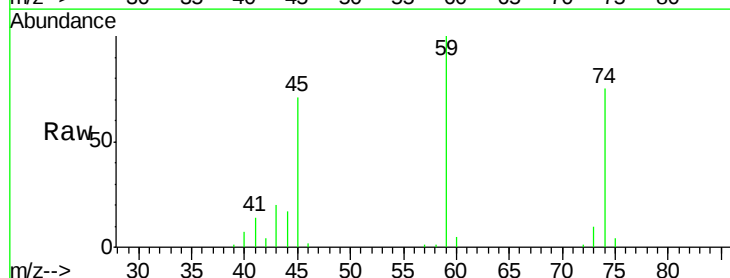
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6/11/2019 11:59:34 AM



#8

Diethyl Ether
Concen: 19.597 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion: 74 Resp: 30883
Ion Ratio Lower Upper
74 100
45 93.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.720 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

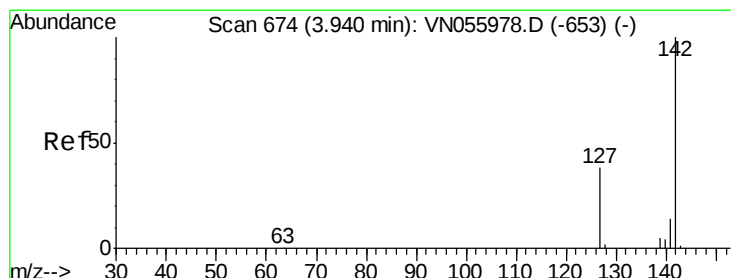
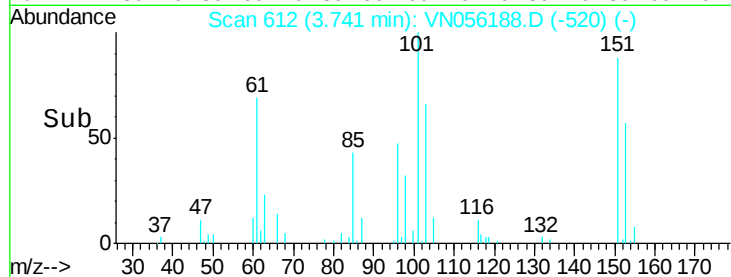
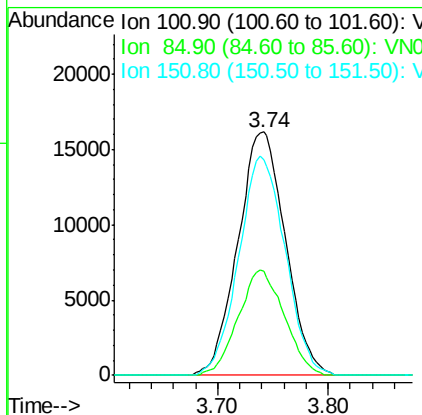
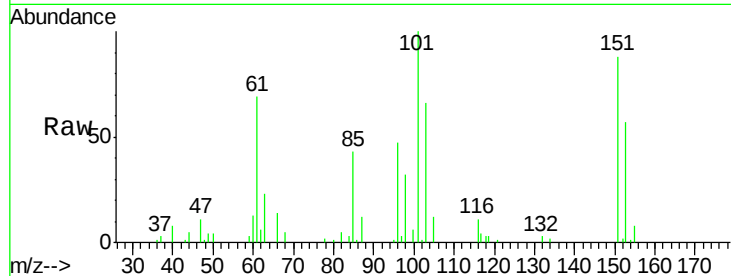
ClientSampleId :

VN0610WBS02

Tot Ion:	101	Resp:	48234
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	88.0	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 12.179 ug/l

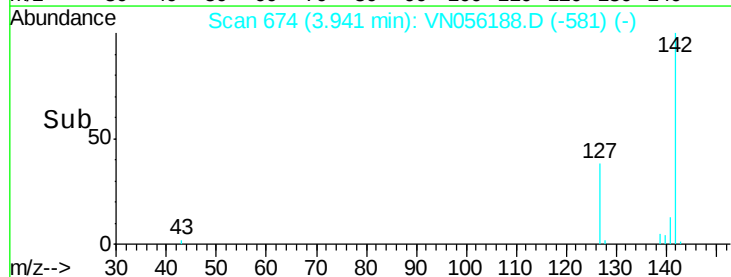
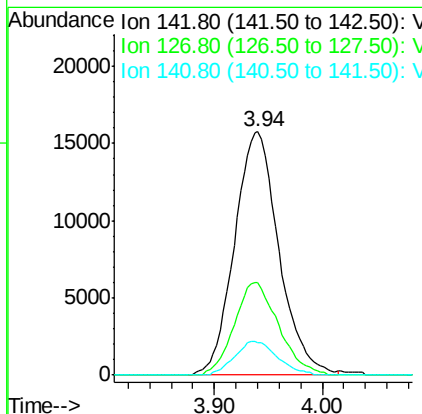
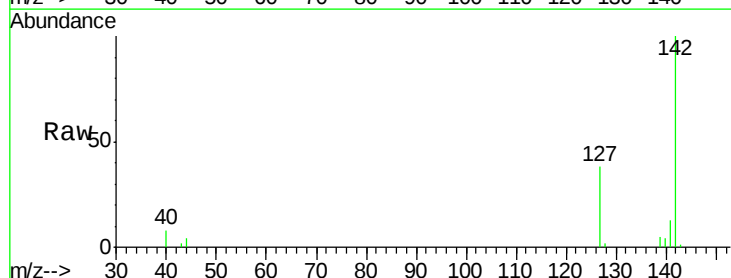
RT: 3.94 min Scan# 674

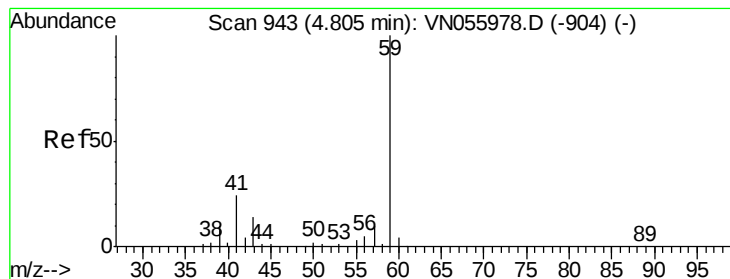
Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion:	142	Resp:	45055
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.3	11.4	17.0





#11

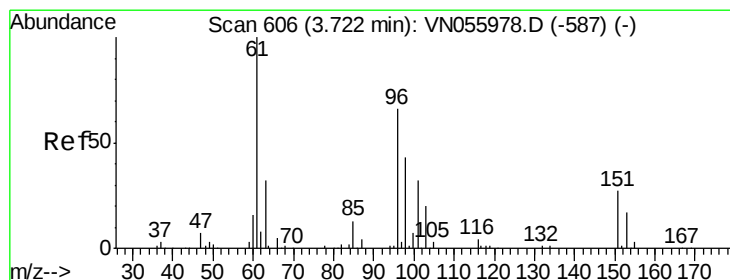
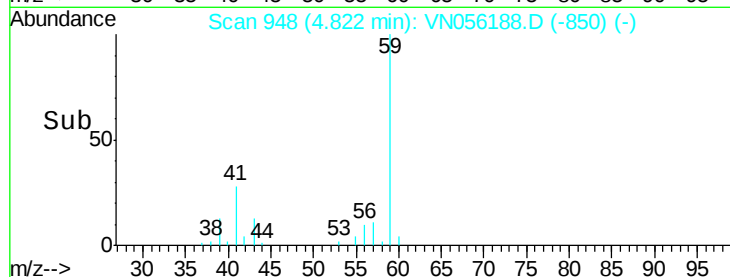
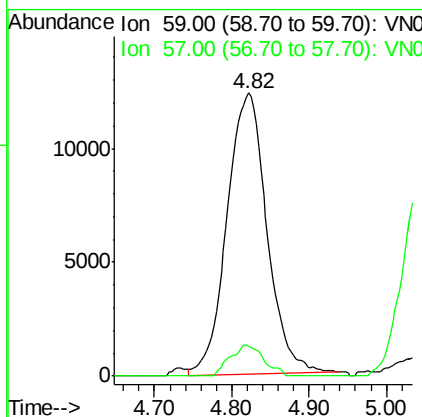
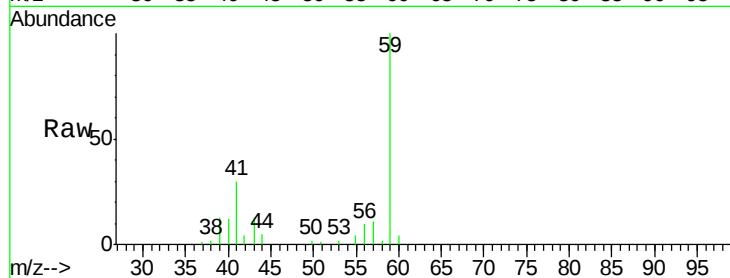
Tert butyl alcohol
 Concen: 92.619 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.02 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.6

Manual Integrations
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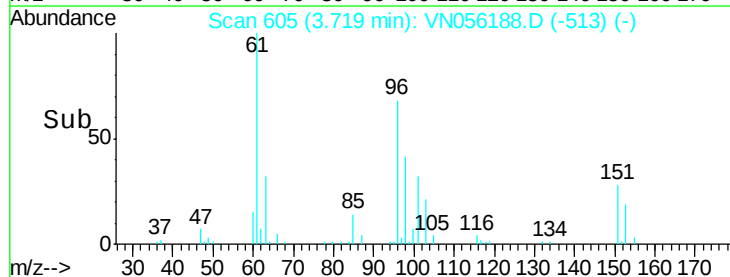
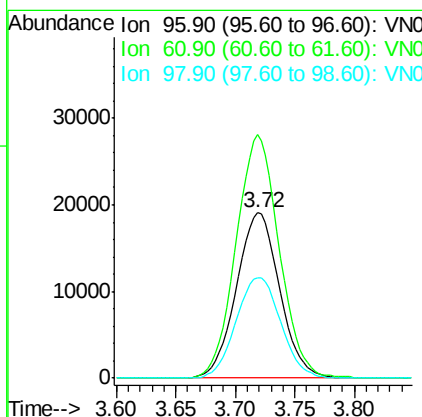
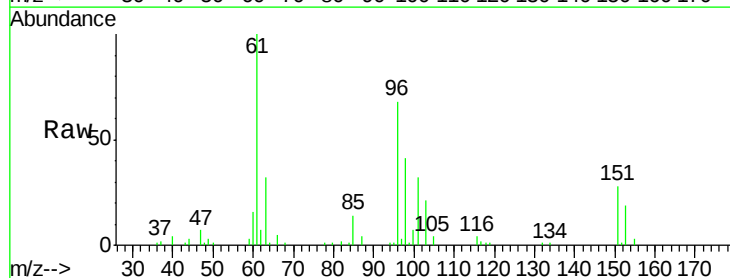
MMDadoda
 6/11/2019 11:59:34 AM

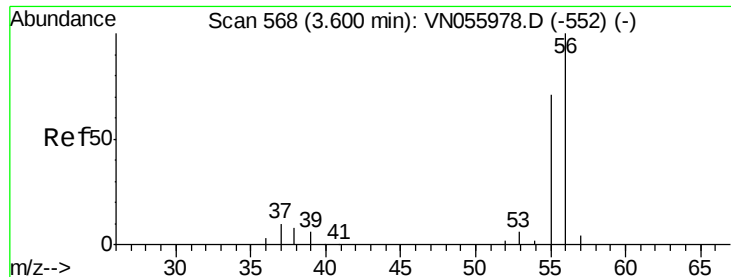


#12

1,1-Dichloroethene
 Concen: 20.699 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.2	123.2	184.8
98	60.6	50.4	75.6





#13

Acrolein

Concen: 75.580 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 56 Resp: 10398

Ion Ratio Lower Upper

56 100

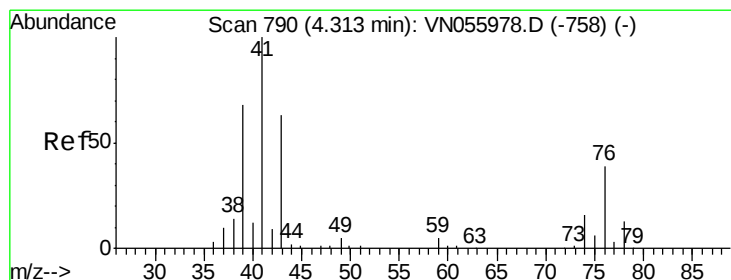
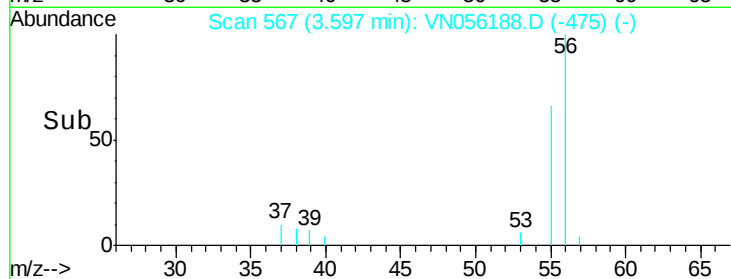
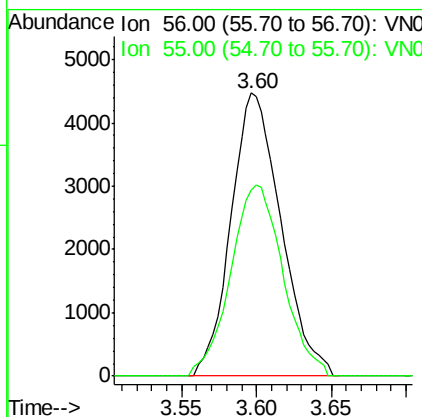
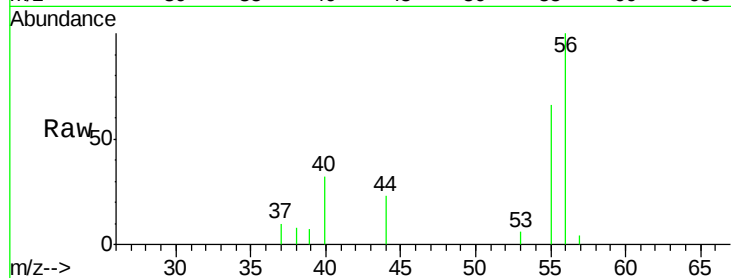
55 70.6 55.4 83.2

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.662 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

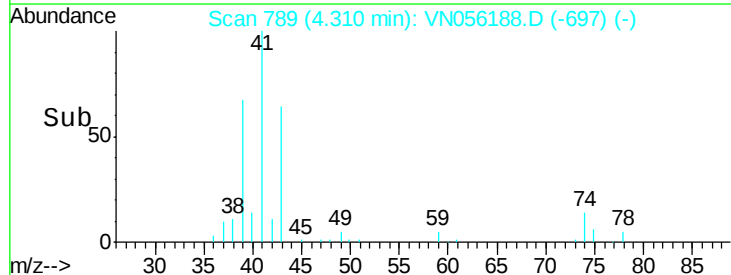
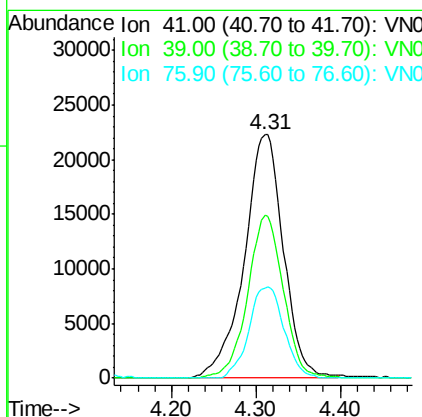
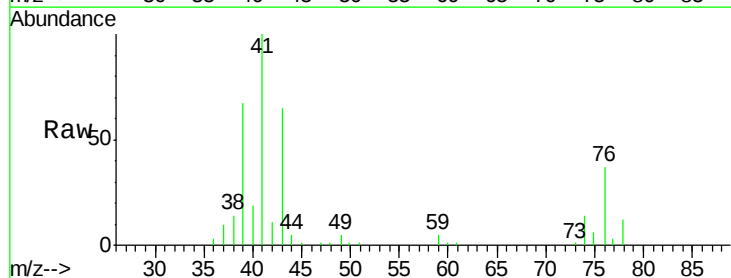
Tgt Ion: 41 Resp: 71955

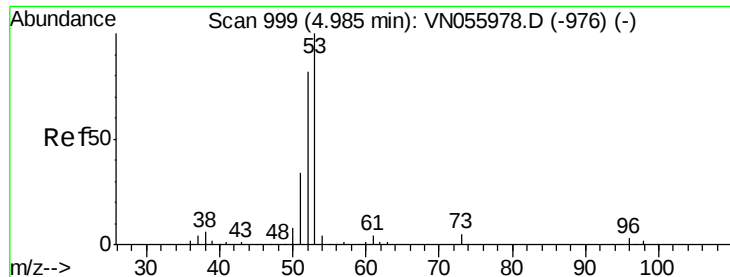
Ion Ratio Lower Upper

41 100

39 60.8 50.0 75.0

76 33.5 28.2 42.2





#15

Acrylonitrile

Concen: 117.156 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

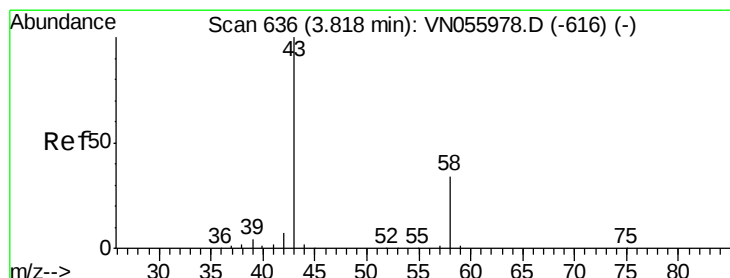
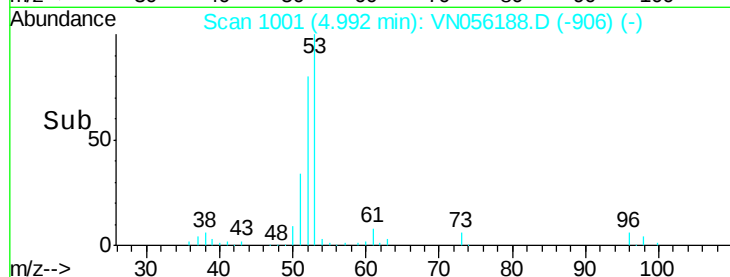
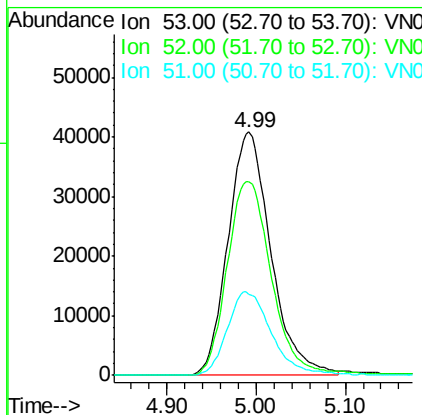
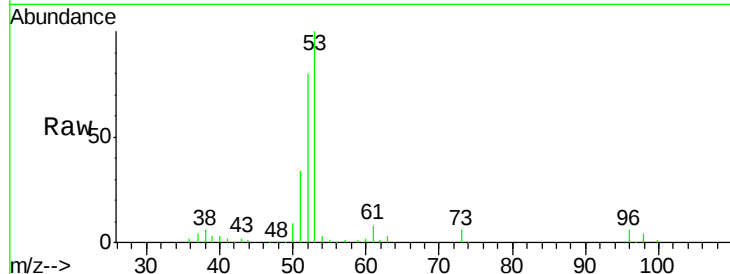
ClientSampleId :

VN0610WBS02

Tot Ion:	53	Resp:	136041
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 86.860 ug/l

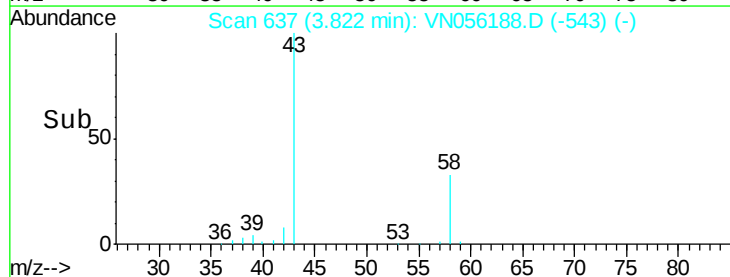
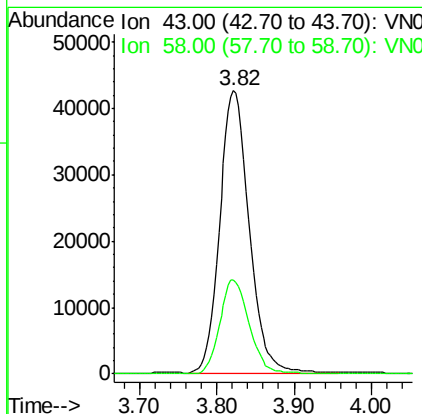
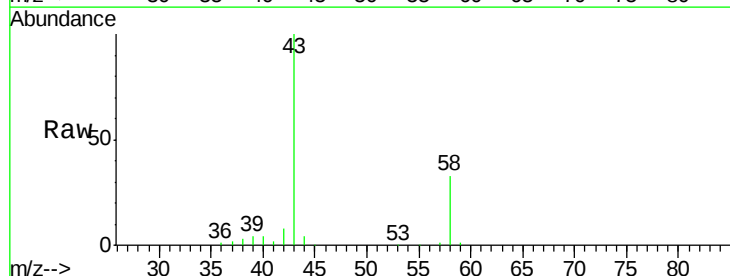
RT: 3.82 min Scan# 637

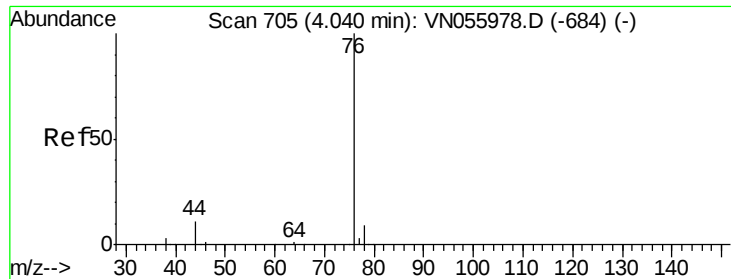
Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion:	43	Resp:	113873
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.6	39.8





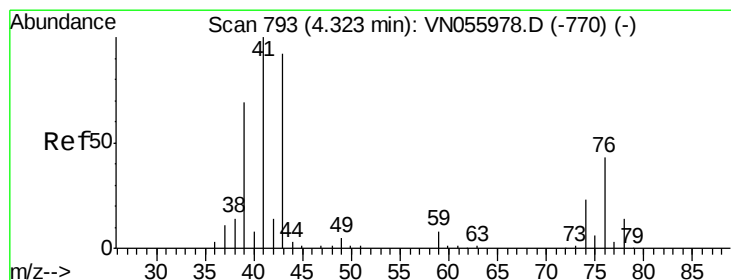
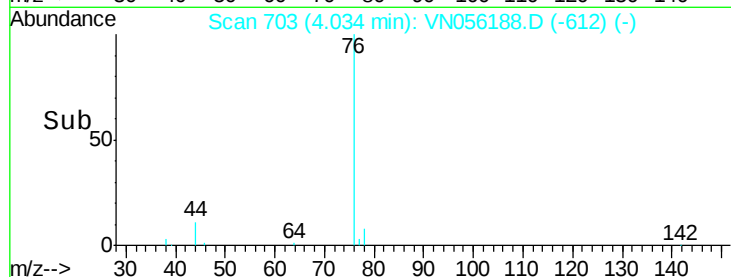
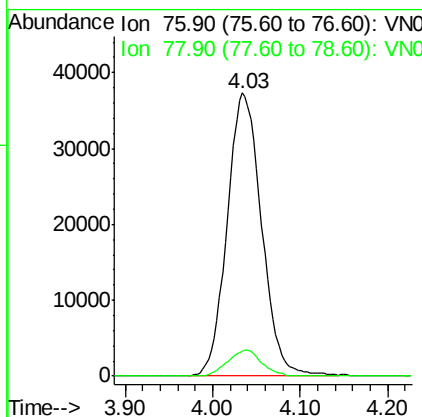
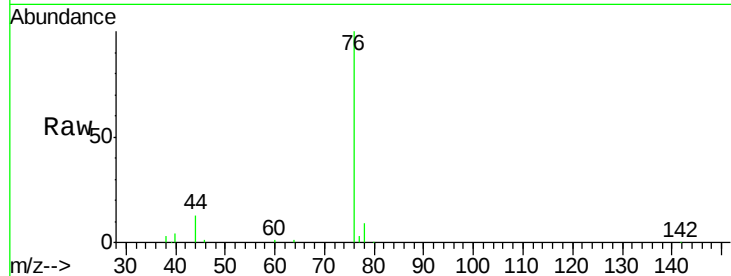
#17
Carbon Disulfide
Concen: 18.353 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

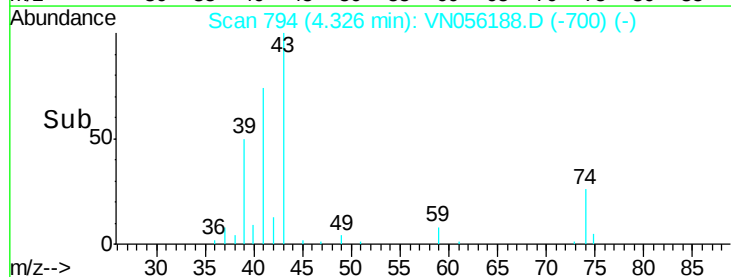
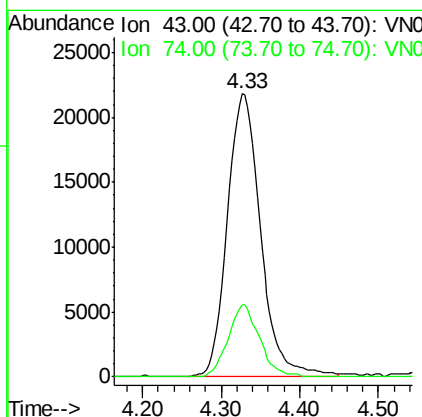
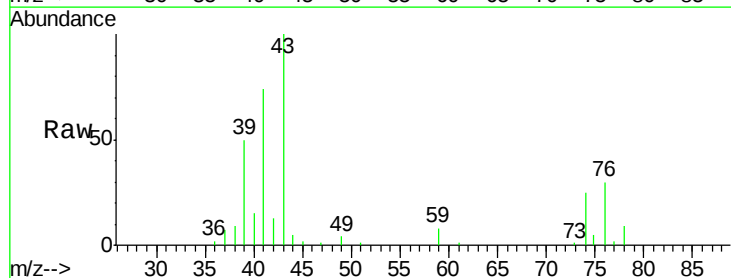
Manual Integrations
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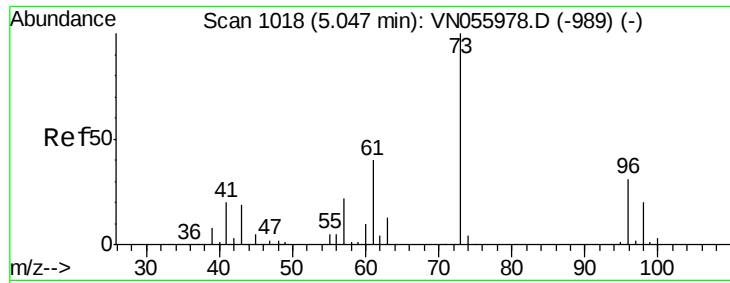
MMDadoda
6/11/2019 11:59:34 AM



#18
Methyl Acetate
Concen: 24.723 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.3	28.9





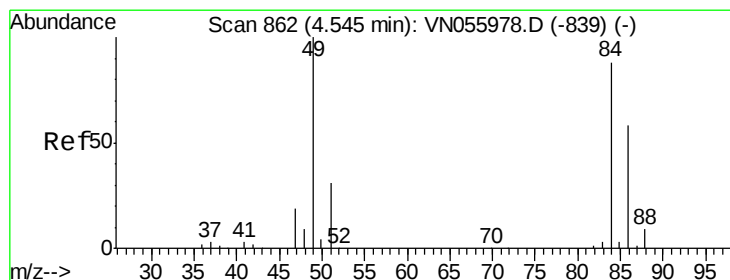
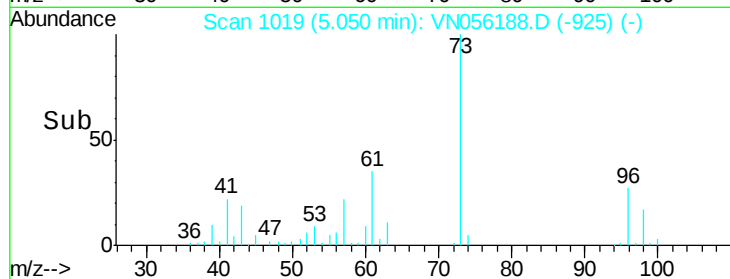
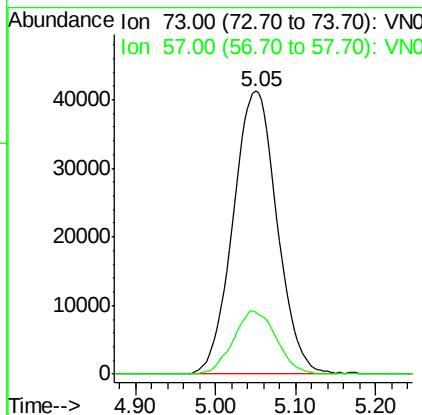
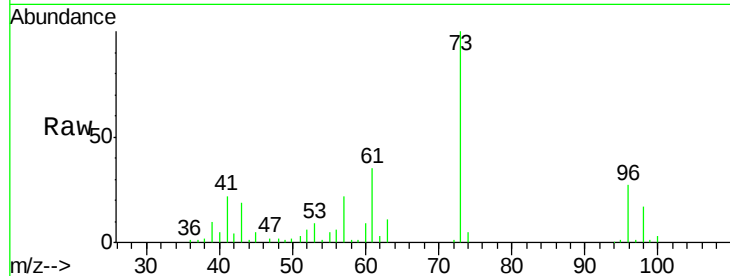
#19
Methvl tert-butvl Ether
Concen: 20.888 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion: 73 Resp: 154303
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

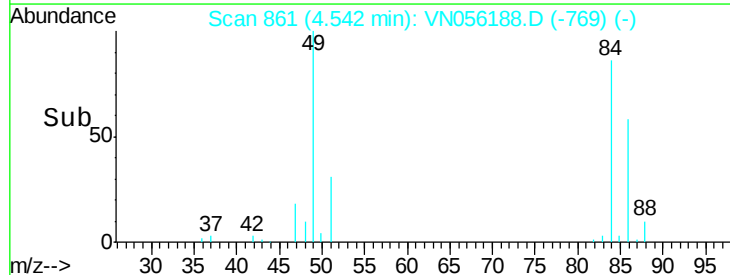
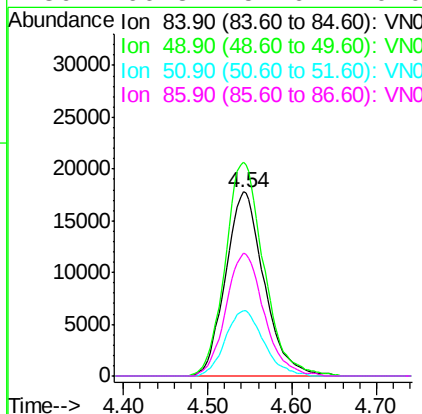
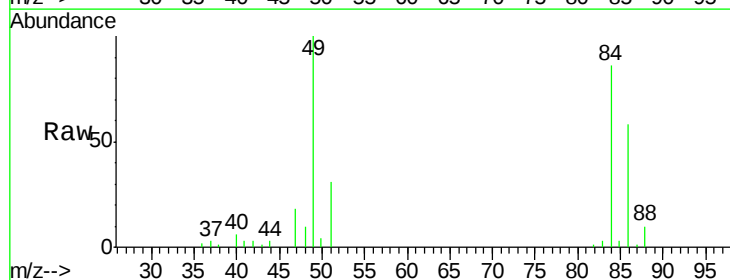
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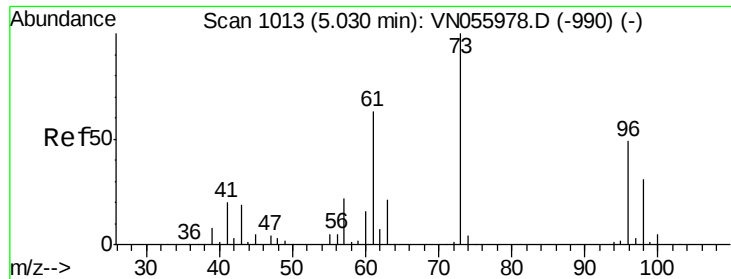
MMDadoda
6/11/2019 11:59:34 AM



#20
Methylene Chloride
Concen: 20.922 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion: 84 Resp: 56510
Ion Ratio Lower Upper
84 100
49 116.1 93.5 140.3
51 35.7 28.6 43.0
86 66.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.359 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS02

Tot Ion: 96 Resp: 50555

Ion Ratio Lower Upper

96 100

61 130.2 107.8 161.8

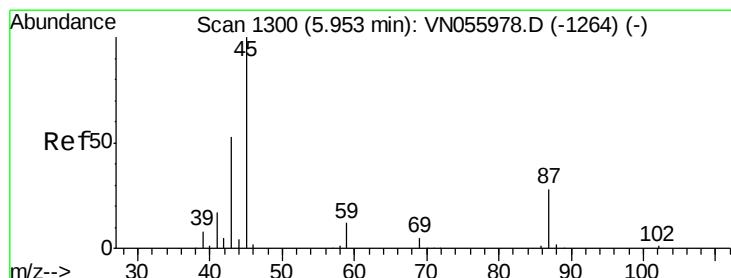
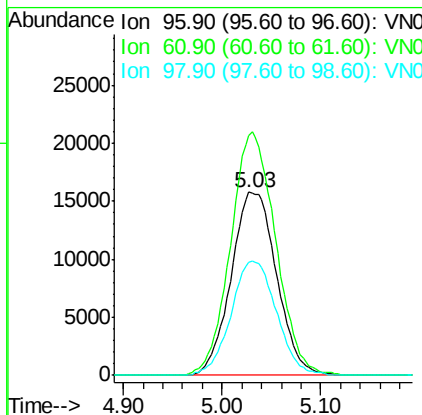
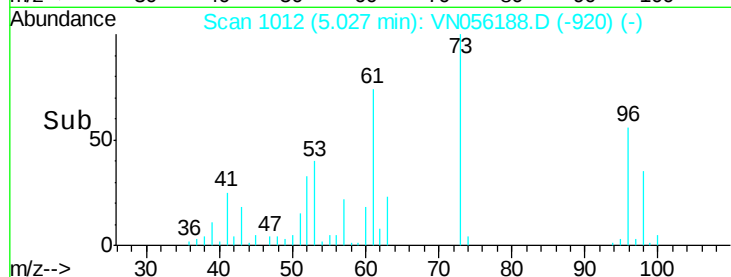
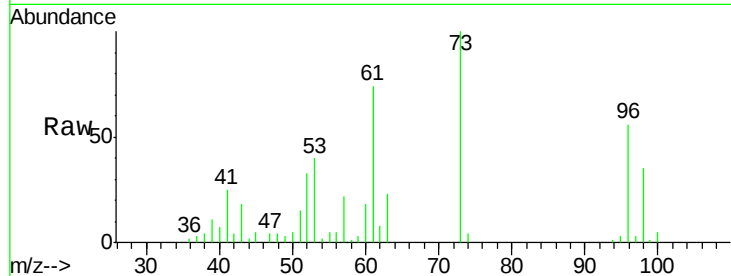
98 61.9 49.8 74.8

Manual Integrations

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6/11/2019 11:59:34 AM



#22

Diisopropyl ether

Concen: 20.989 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion: 45 Resp: 158780

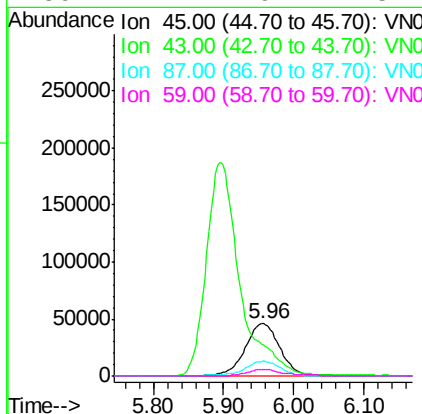
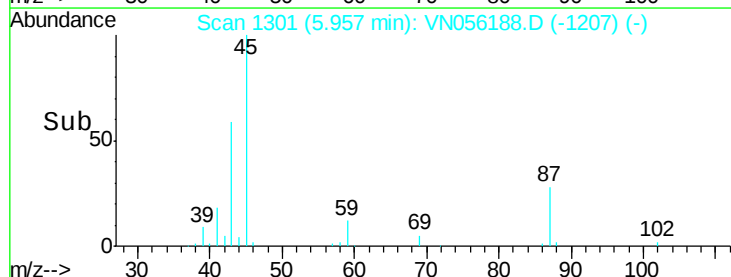
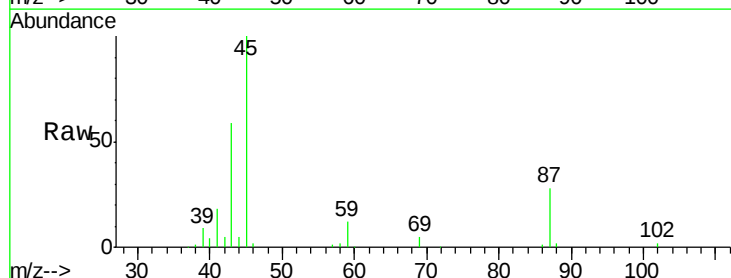
Ion Ratio Lower Upper

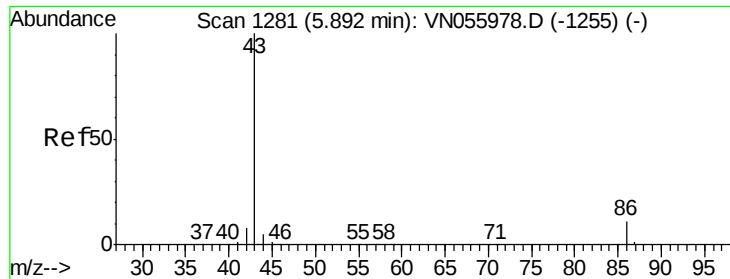
45 100

43 56.9 45.0 67.6

87 27.8 22.2 33.4

59 12.4 9.1 13.7





#23

Vinyl Acetate

Concen: 104.565 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 43 Resp: 622924

Ion Ratio Lower Upper

43 100

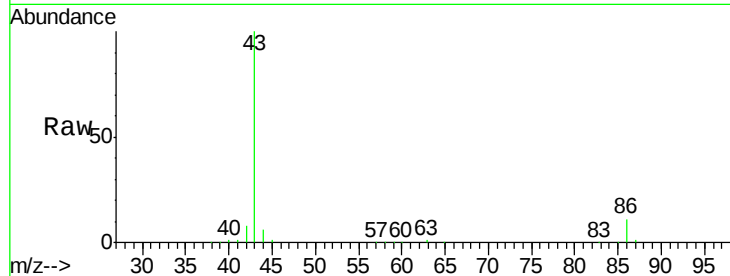
86 11.0 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

200000

150000

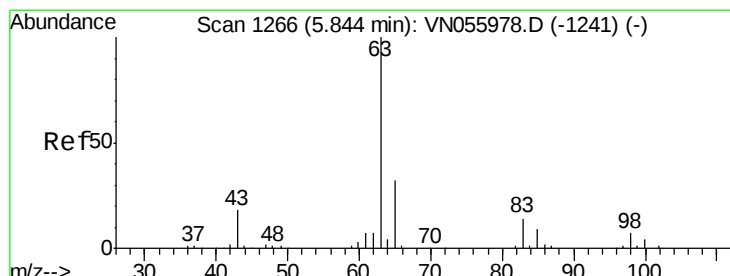
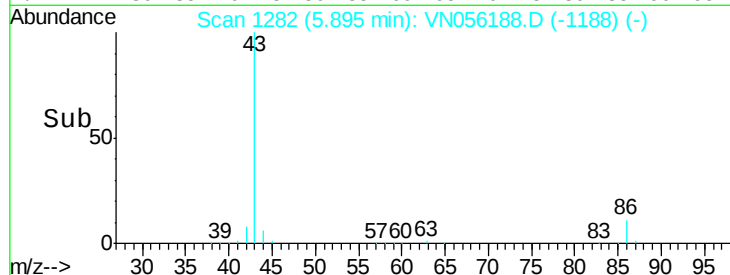
100000

50000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.108 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

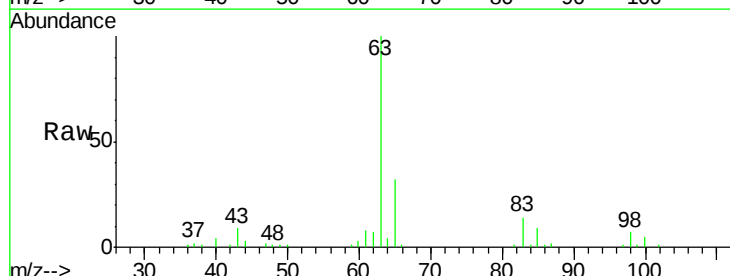
Tgt Ion: 63 Resp: 92108

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.8 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.84

40000

30000

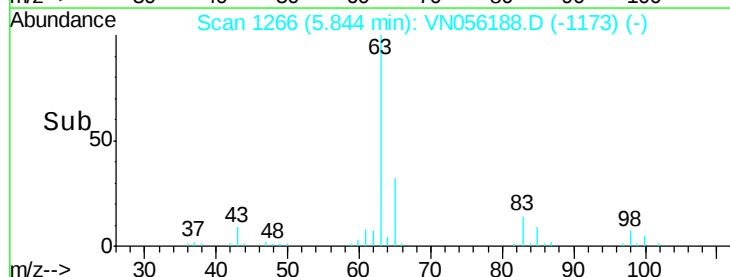
20000

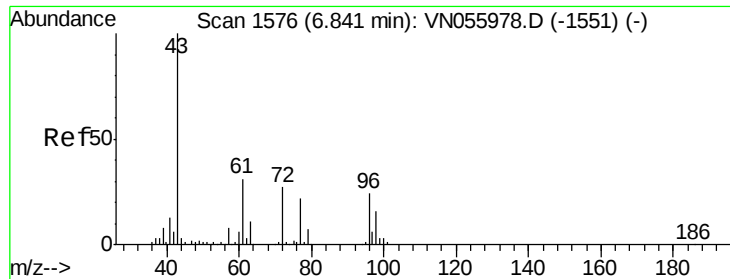
10000

0

5.70 5.80 5.90

Time-->





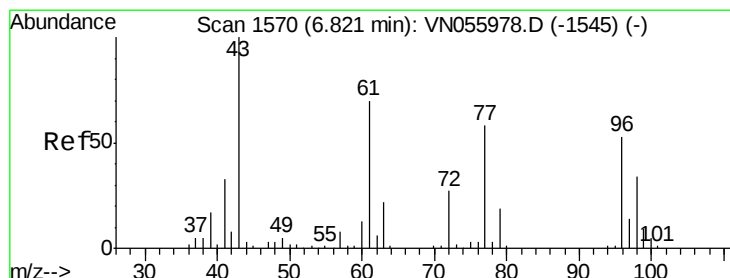
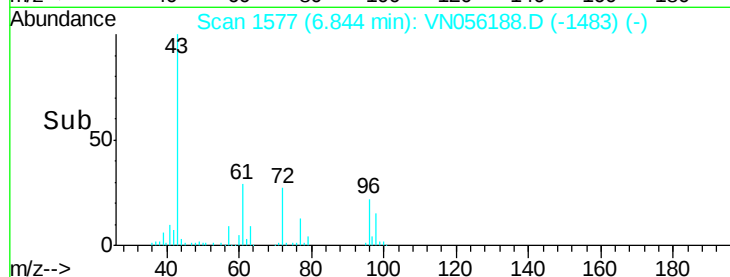
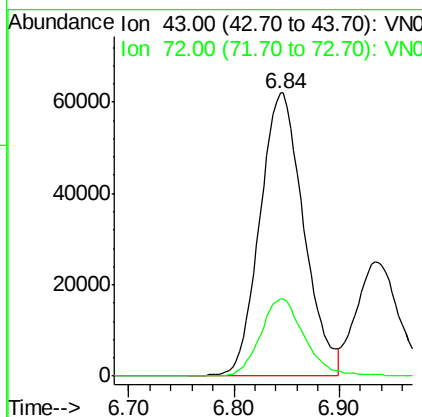
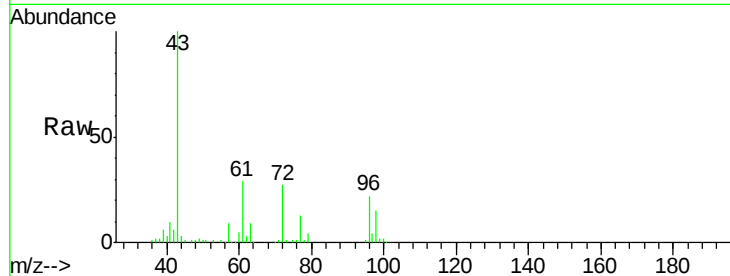
#25
2-Butanone
Concen: 108.259 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion: 43 Resp: 179321
Ion Ratio Lower Upper
43 100
72 27.4 21.9 32.9

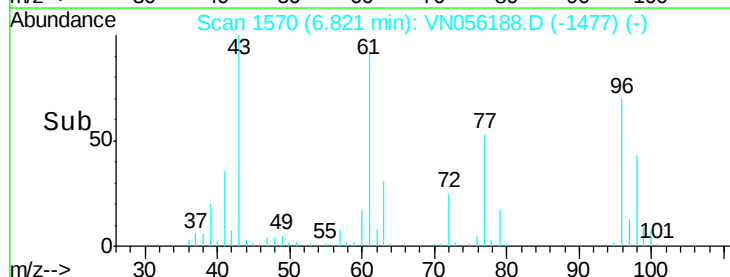
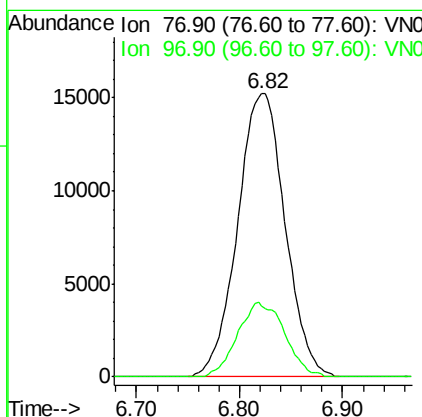
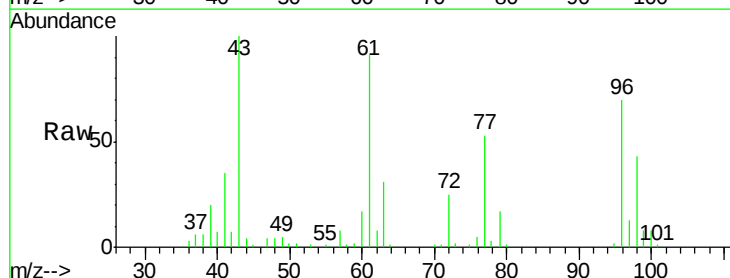
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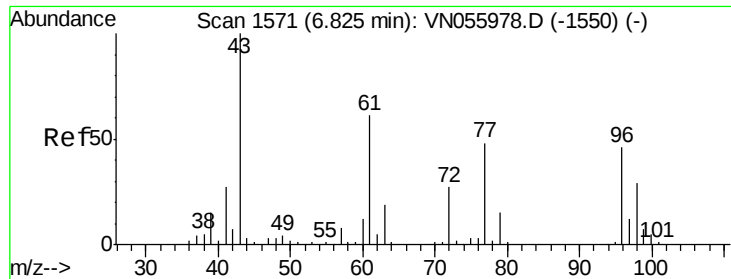
MMDadoda
6/11/2019 11:59:34 AM



#26
2,2-Dichloropropane
Concen: 14.275 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion: 77 Resp: 48606
Ion Ratio Lower Upper
77 100
97 26.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.327 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

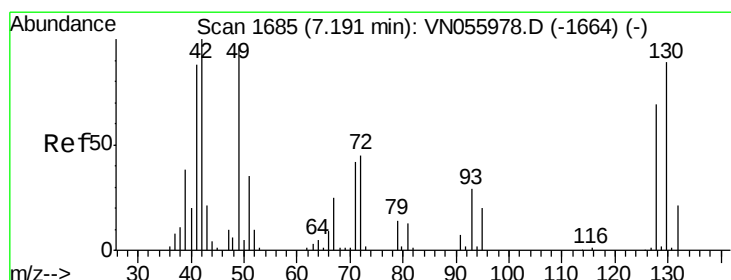
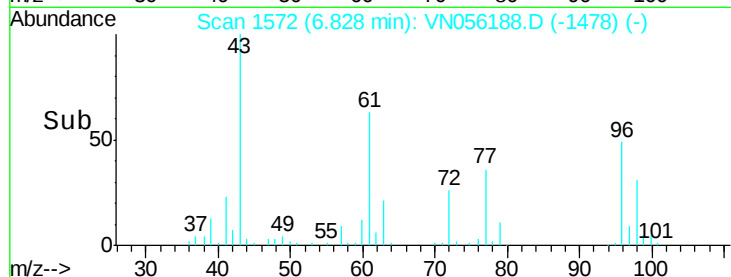
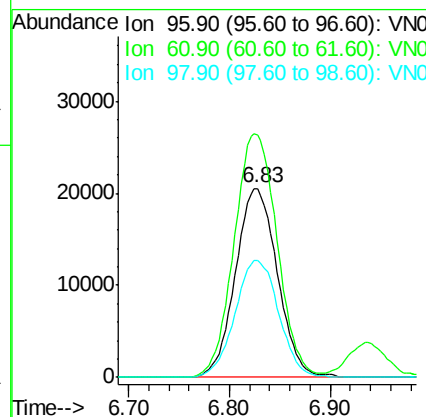
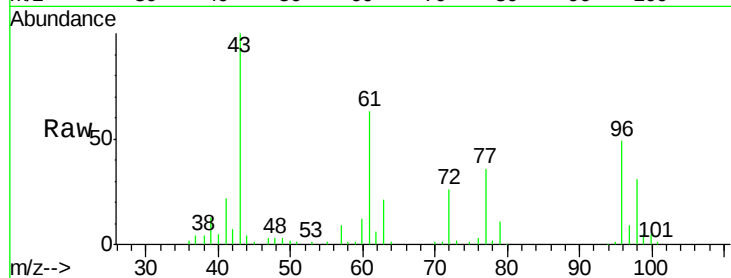
ClientSampleId :

VN0610WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	275.8
98	64.2	0.0	128.4

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6/11/2019 11:59:34 AM



#28

Bromochloromethane

Concen: 21.154 ug/l

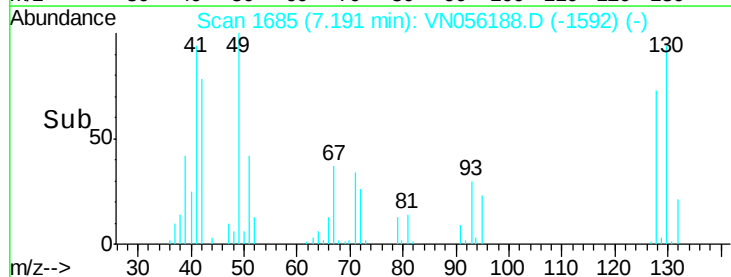
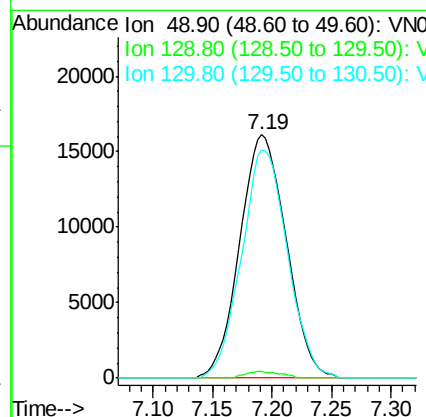
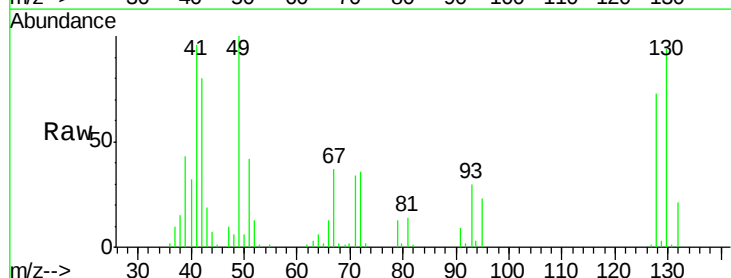
RT: 7.19 min Scan# 1685

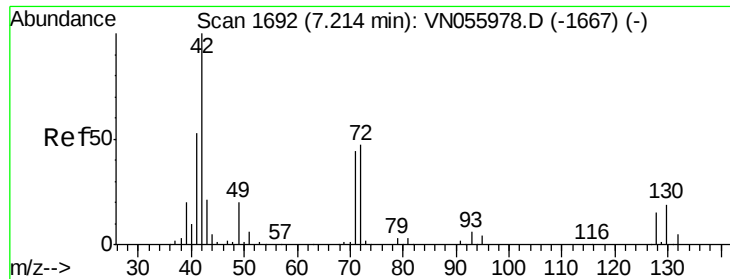
Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	92.5	71.2	106.8





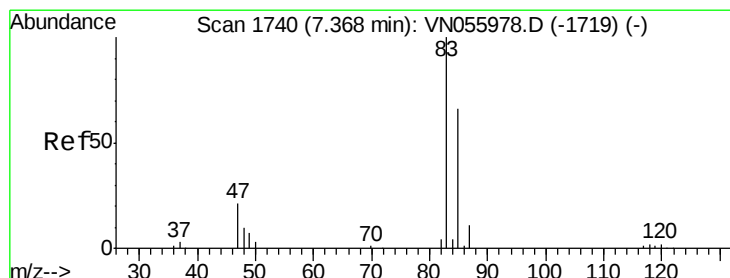
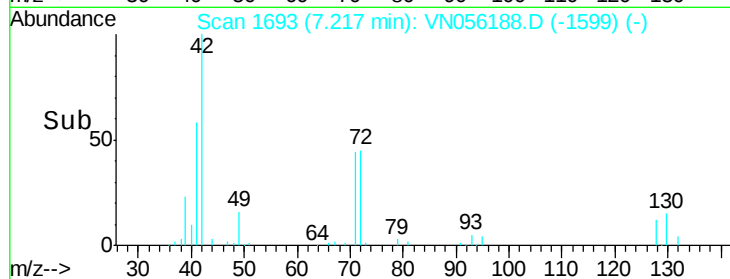
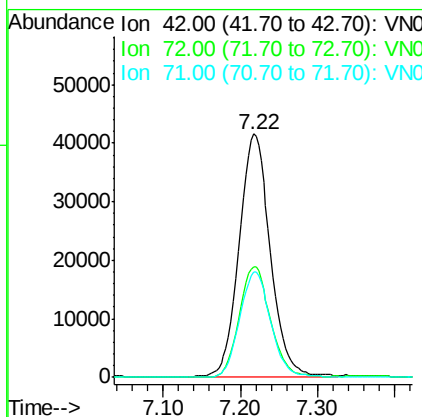
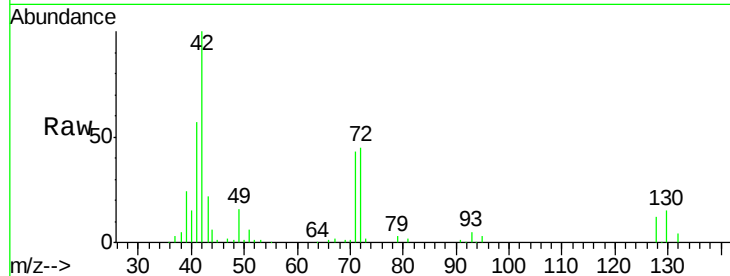
#29
Tetrahydrofuran
Concen: 114.587 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.9	53.9
71	42.7	34.0	51.0

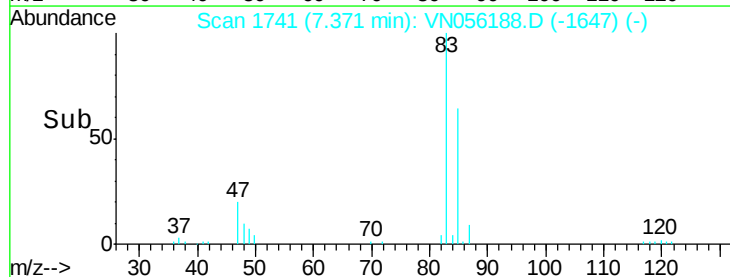
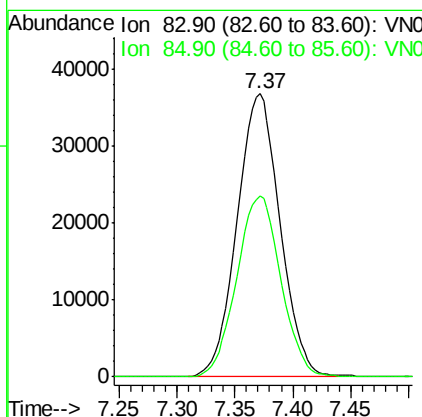
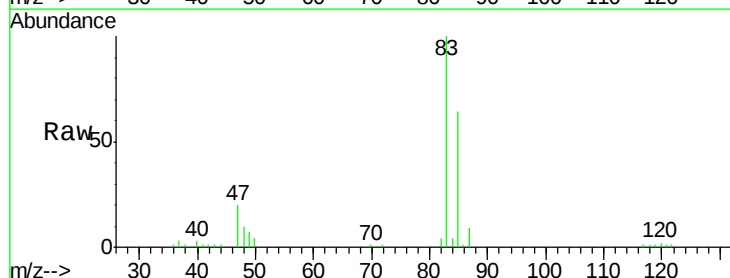
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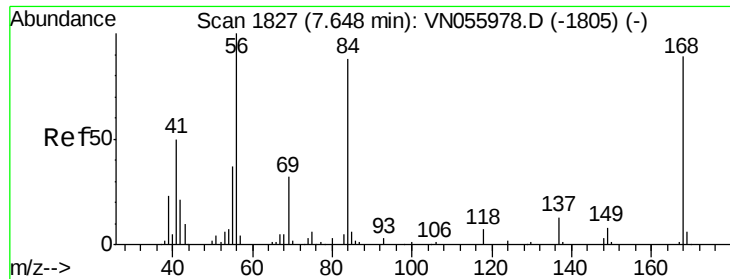
MMDadoda
6/11/2019 11:59:34 AM



#30
Chloroform
Concen: 21.598 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





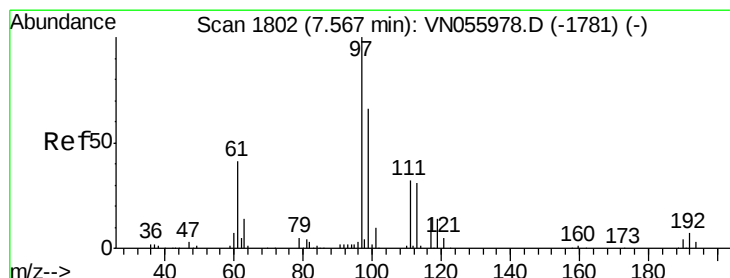
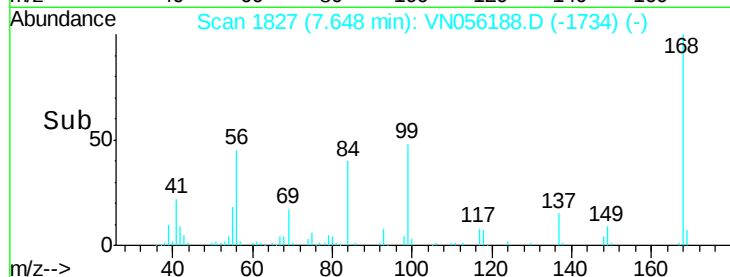
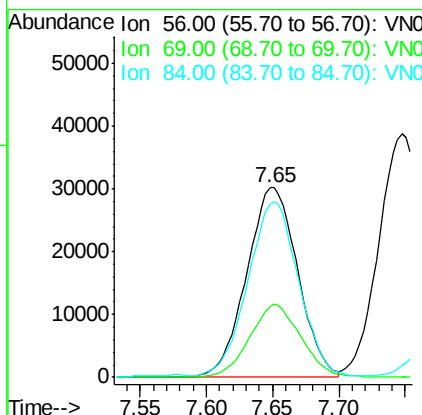
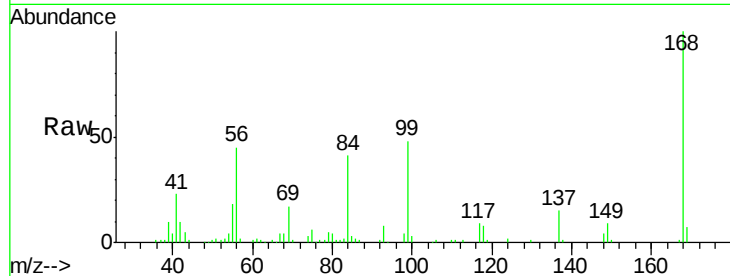
#31
Cyclohexane
Concen: 18.611 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	25.6	38.4
84	90.6	67.4	101.0

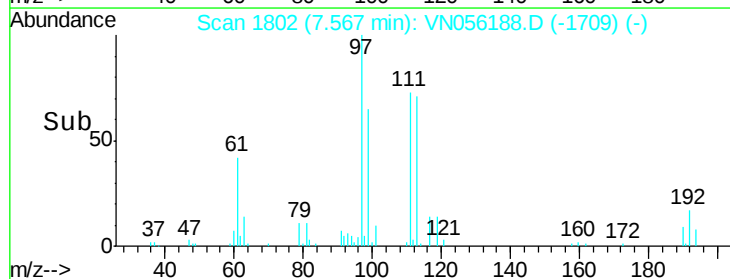
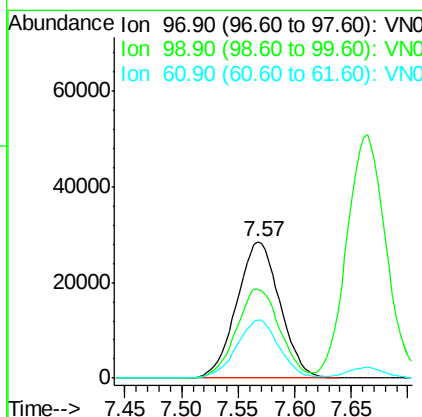
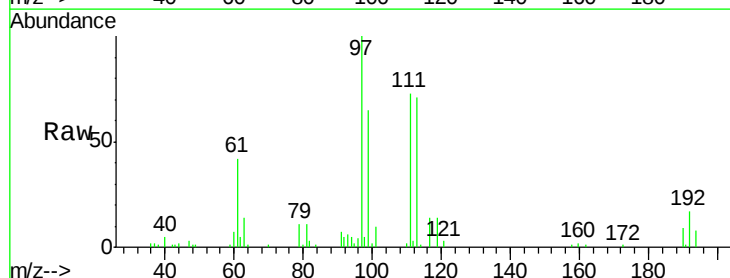
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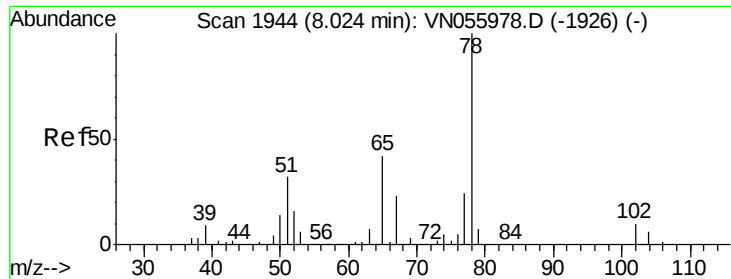
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#32
1,1,1-Trichloroethane
Concen: 20.664 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.0	78.0
61	41.8	32.9	49.3





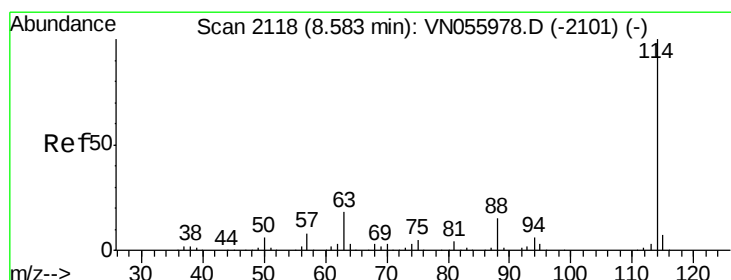
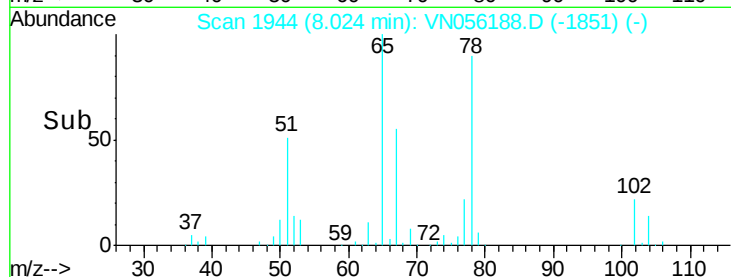
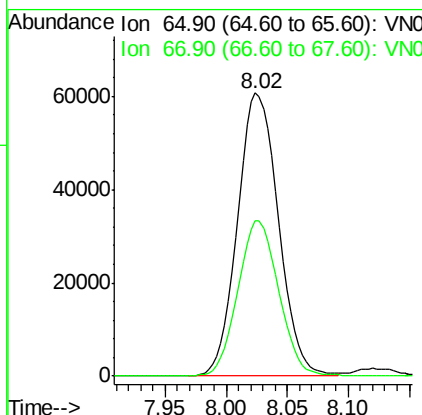
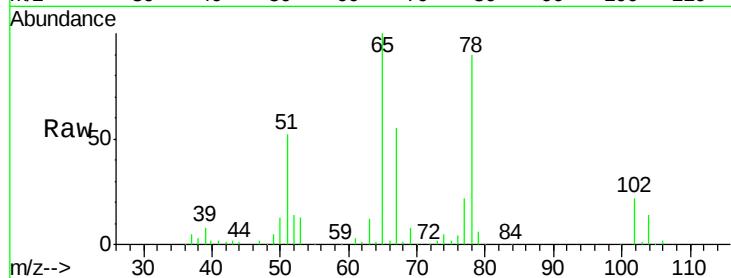
#33
 1,2-Dichloroethane-d4
 Concen: 51.501 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141171		
67	54.7	0.0	109.2	

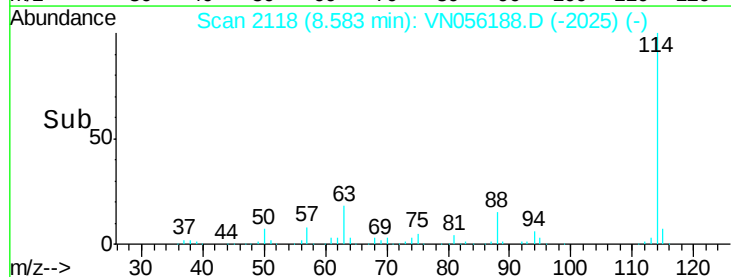
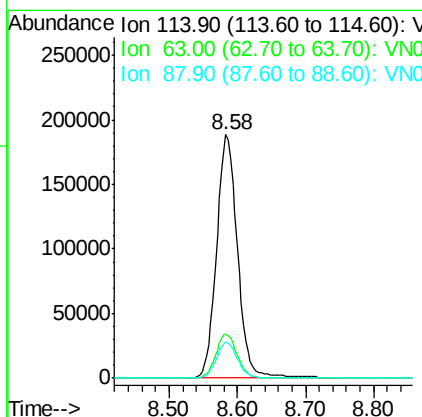
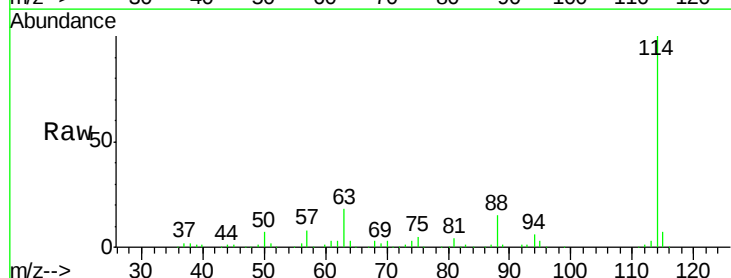
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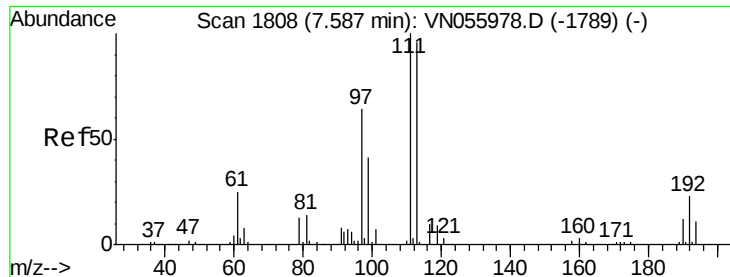
MMDadoda
 6/11/2019 11:59:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401315		
63	18.3	0.0	39.2	
88	14.8	0.0	31.0	





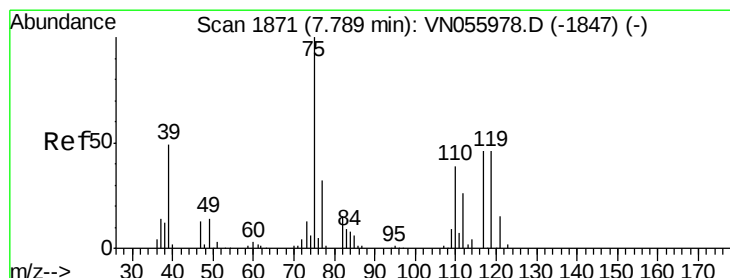
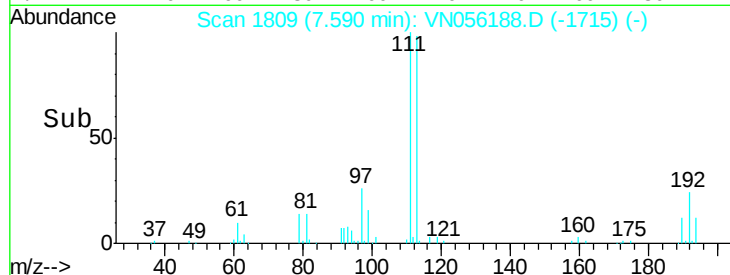
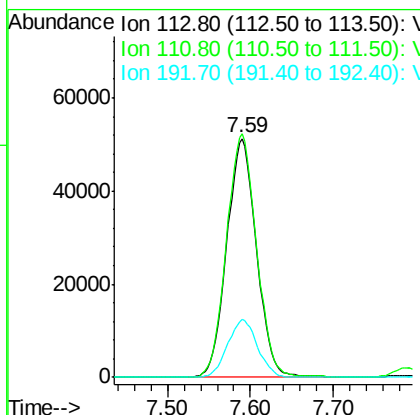
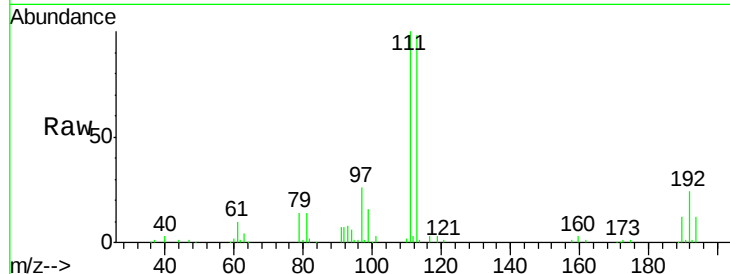
#35
 Dibromofluoromethane
 Concen: 51.898 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.9	122.9	
192	24.2	19.5	29.3	

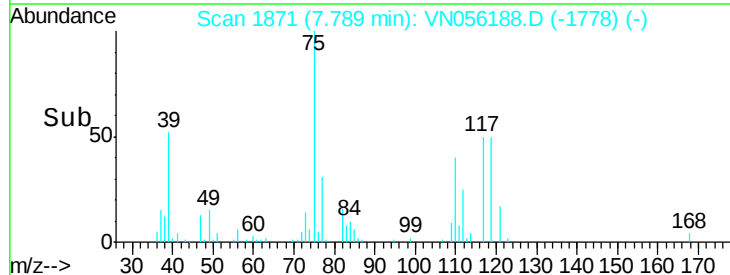
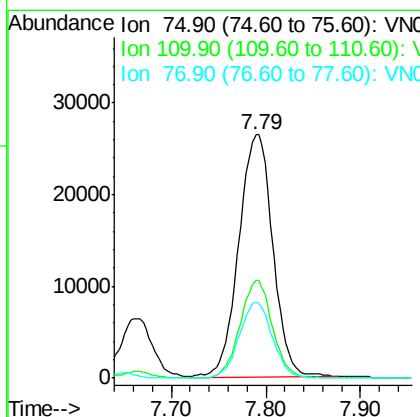
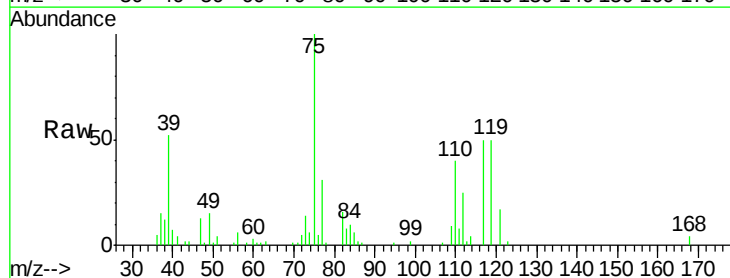
Manual Integrations
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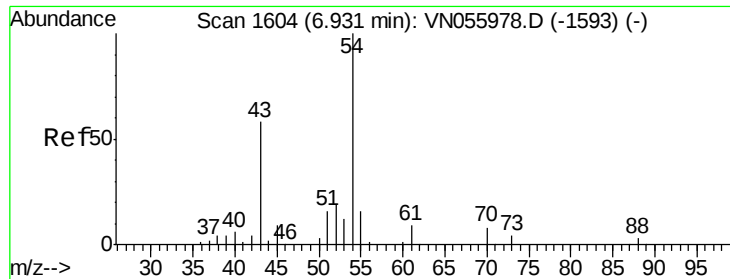
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 6/11/2019 11:59:34 AM



#36
 1,1-Dichloropropene
 Concen: 19.134 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.1	19.0	57.0	
77	30.5	25.1	37.7	





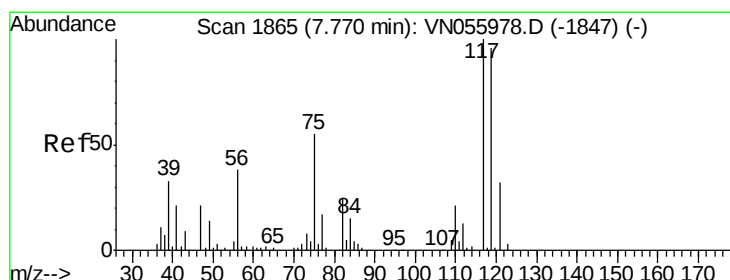
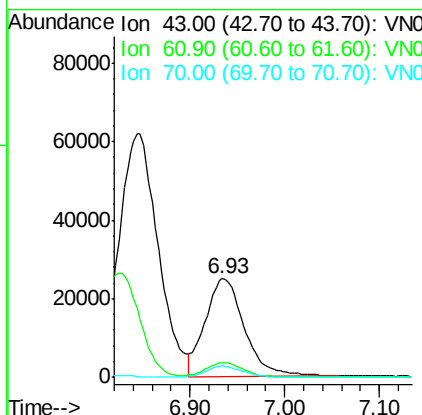
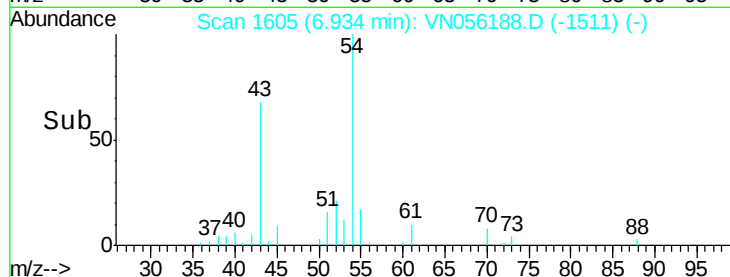
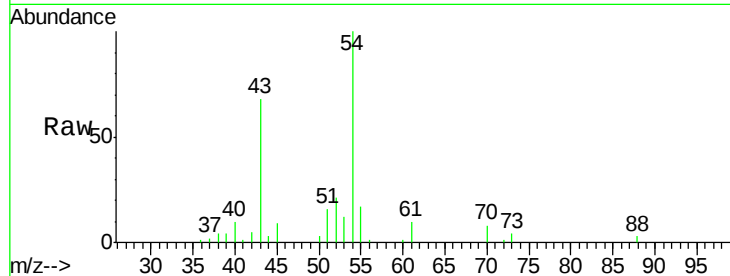
#37
Ethyl Acetate
Concen: 23.350 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.6	8.9	13.3

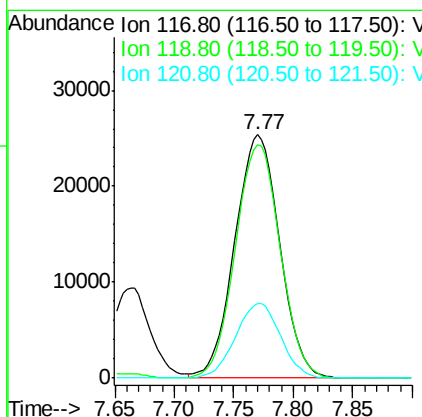
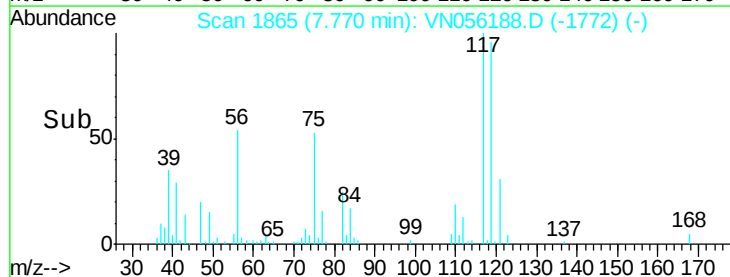
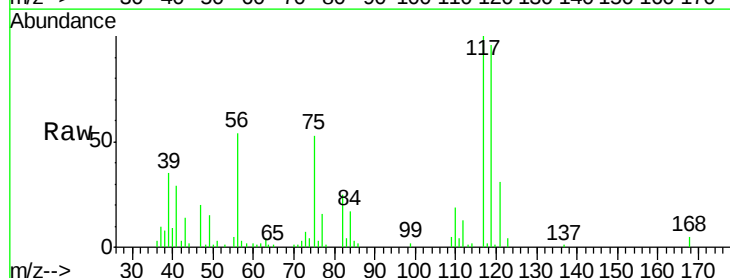
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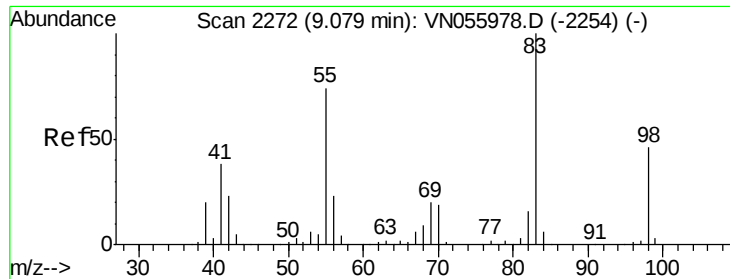
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6/11/2019 11:59:34 AM



#38
Carbon Tetrachloride
Concen: 20.832 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.0	118.6
121	30.7	24.7	37.1





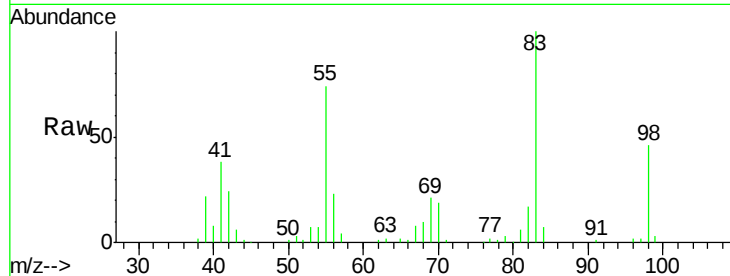
#39
Methvlcvclohexane
Concen: 18.155 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

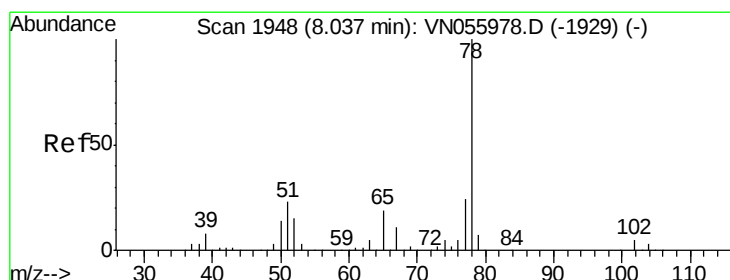
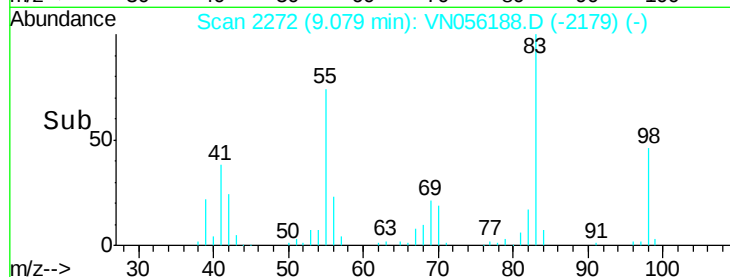
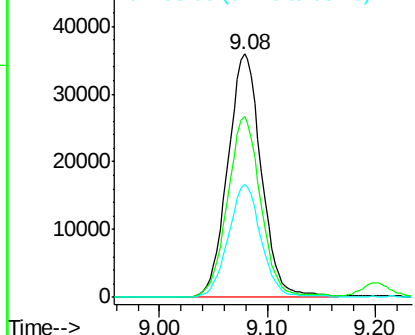
Tot Ion	83	Resp	78040
Ion Ratio	100	Lower	Upper
83	100		
55	74.2	59.3	88.9
98	46.4	36.6	54.8

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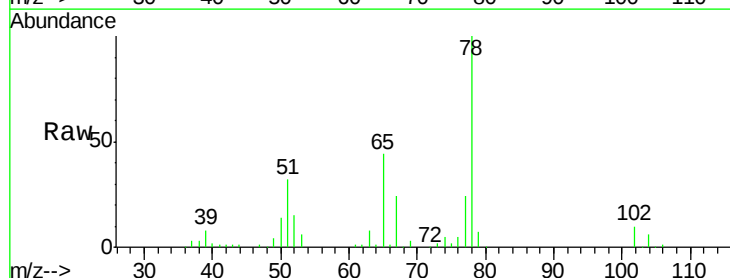


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

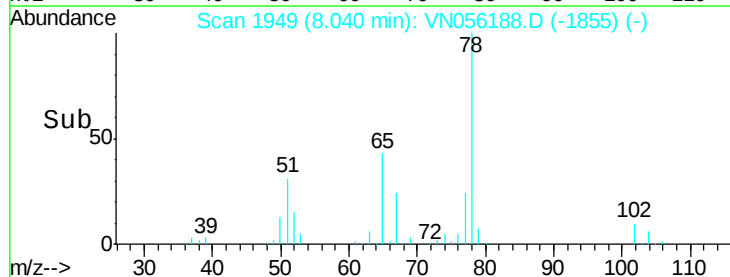
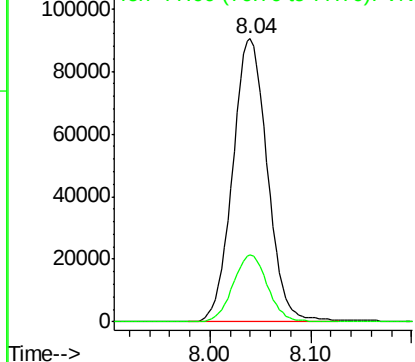


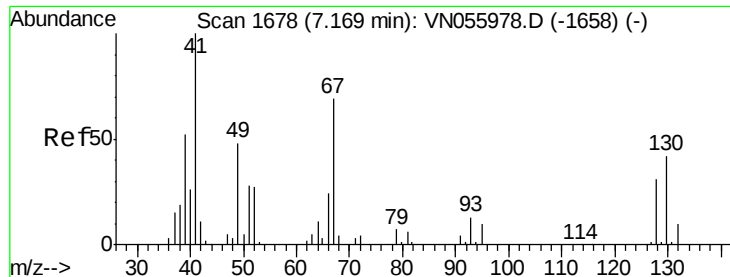
#40
Benzene
Concen: 20.588 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	78	Resp	215779
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





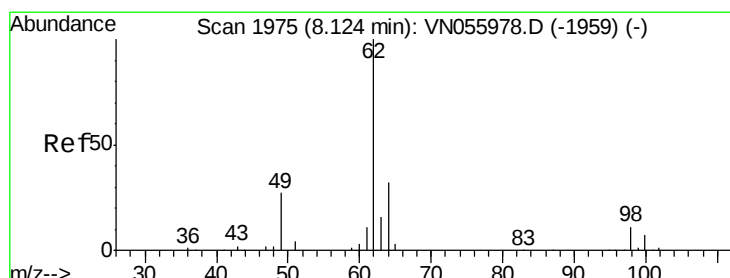
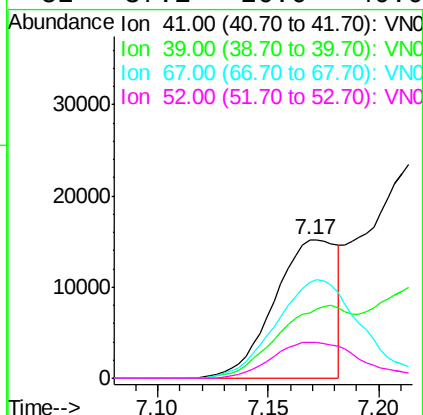
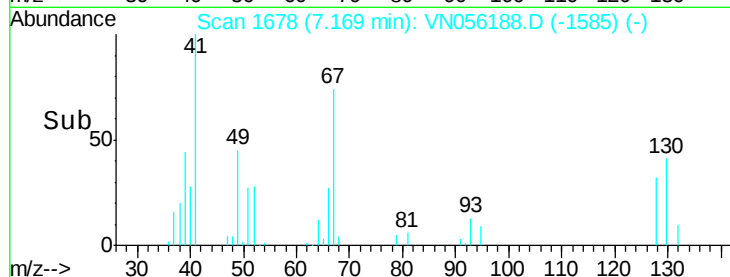
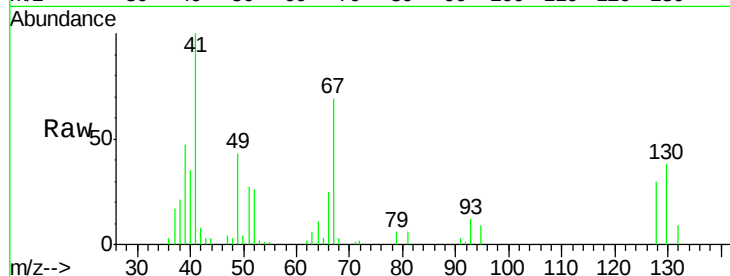
#41
Methacrylonitrile
Concen: 21.266 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion:	41	Resp:	30041
Ion Ratio	Lower	Upper	
41	100		
39	60.1	45.6	68.4
67	96.3	67.7	101.5
52	37.1	26.6	40.0

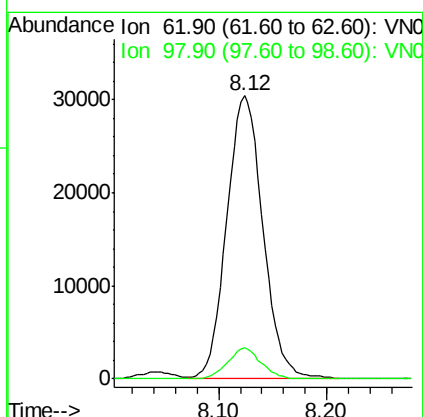
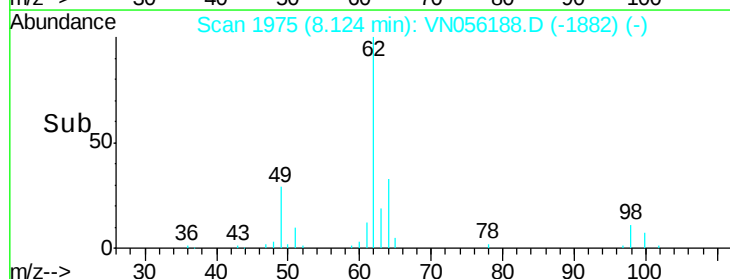
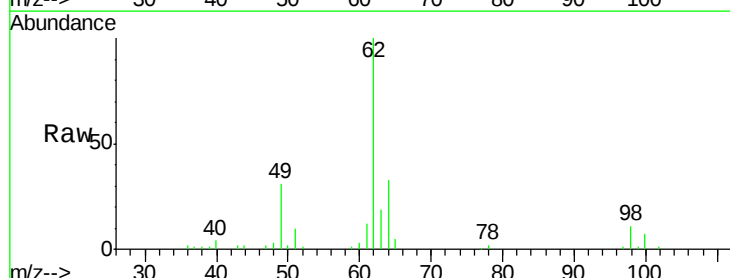
Manual Integrations
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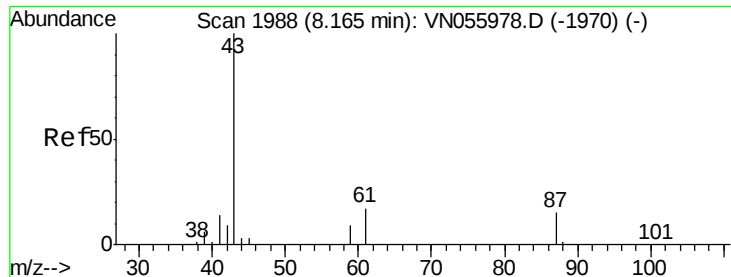
MMDadoda
6/11/2019 11:59:34 AM



#42
1,2-Dichloroethane
Concen: 21.127 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion:	62	Resp:	71224
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.198 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

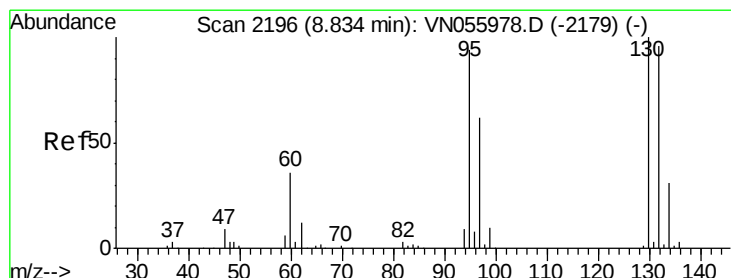
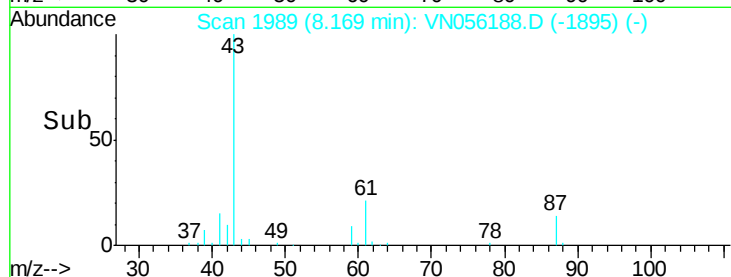
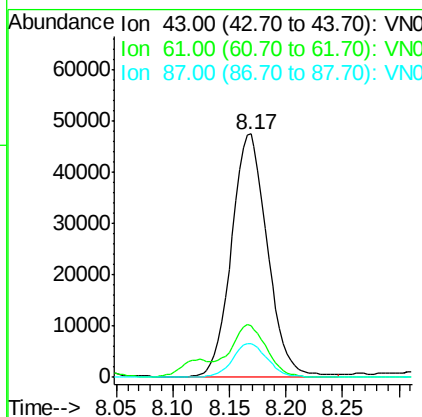
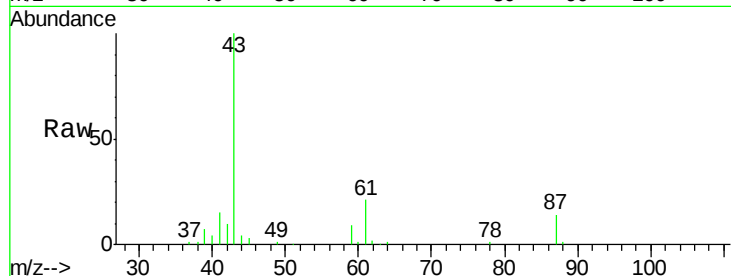
ClientSampleId :

VN0610WBS02

Tot Ion:	43	Resp:	105468
Ion Ratio	Lower	Upper	
43	100		
61	21.7	22.2	33.4#
87	13.5	11.4	17.2

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#44

Trichloroethene

Concen: 20.007 ug/l

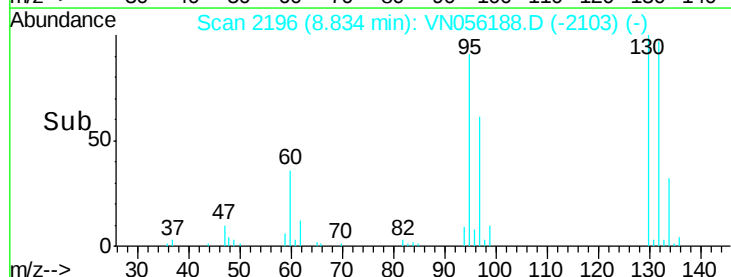
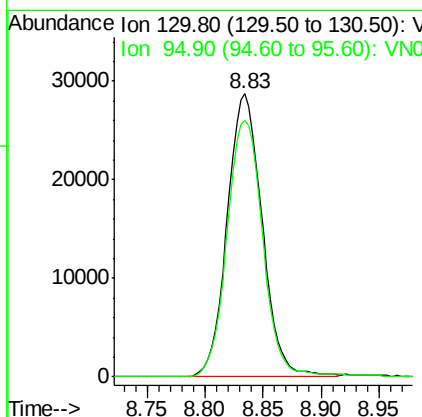
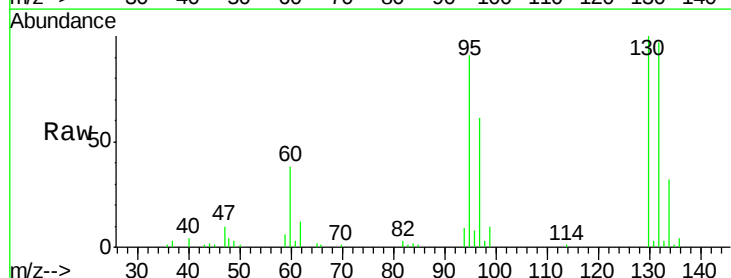
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion:	130	Resp:	60254
Ion Ratio	Lower	Upper	
130	100		
95	90.6	0.0	188.0





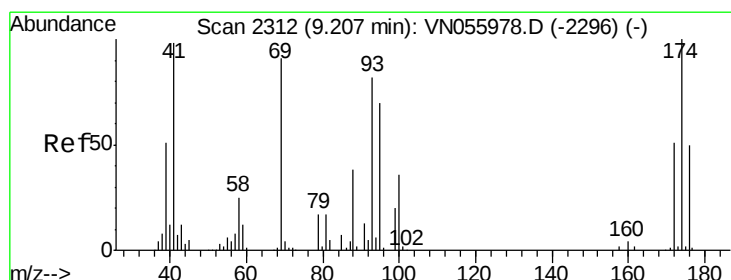
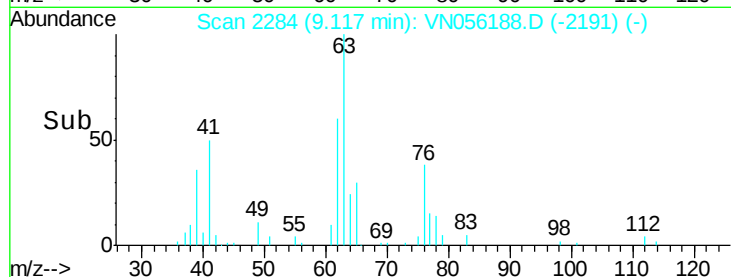
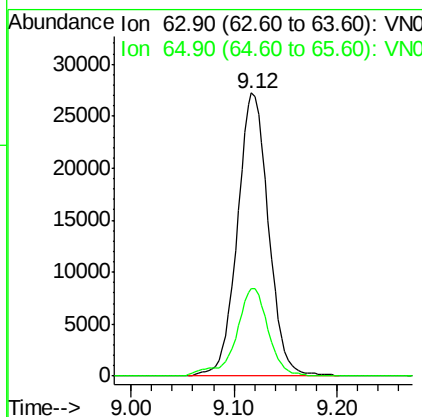
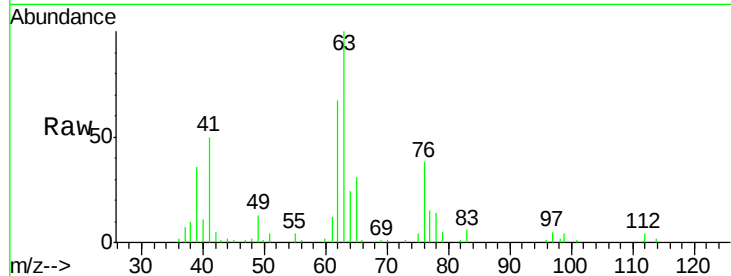
#45
 1,2-Dichloropropane
 Concen: 21.307 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion: 63 Resp: 57201
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8

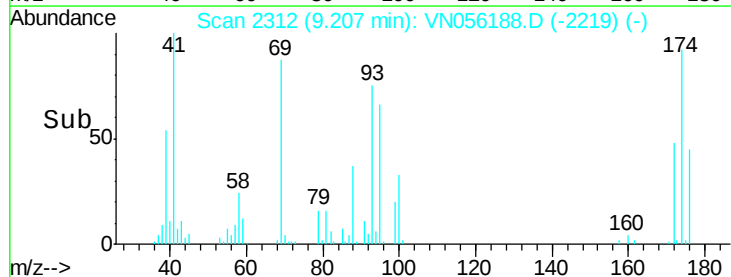
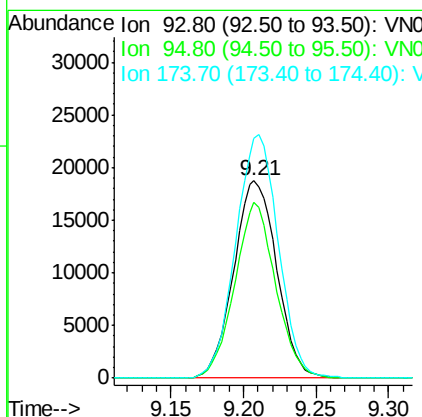
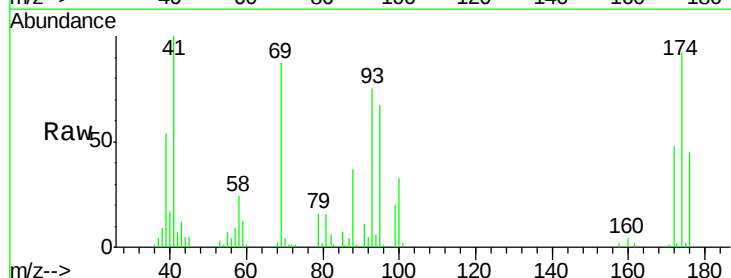
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#46
 Dibromomethane
 Concen: 22.020 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion: 93 Resp: 38656
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 122.4 96.4 144.6





#47

Bromodichloromethane

Concen: 22.059 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

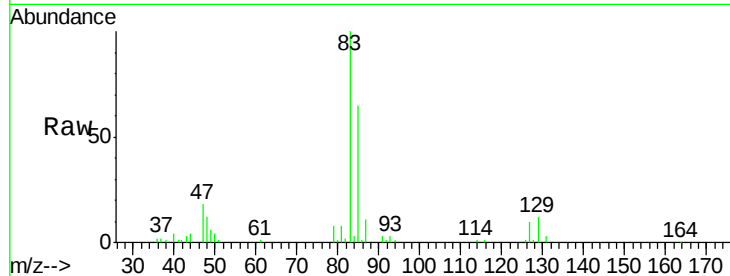
ClientSampleId :

VN0610WBS02

Tot Ion:	83	Resp:	70184
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.2
127	9.5	7.4	11.0

Manual Integrations
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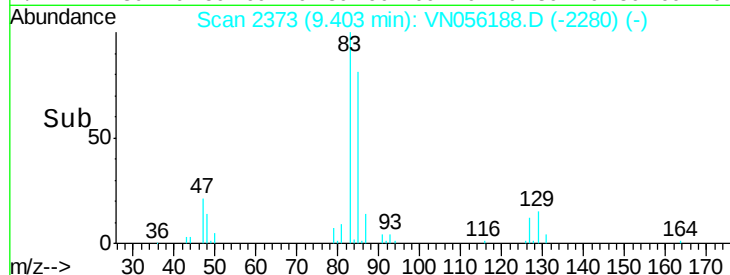


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2356) (-)

Time-->

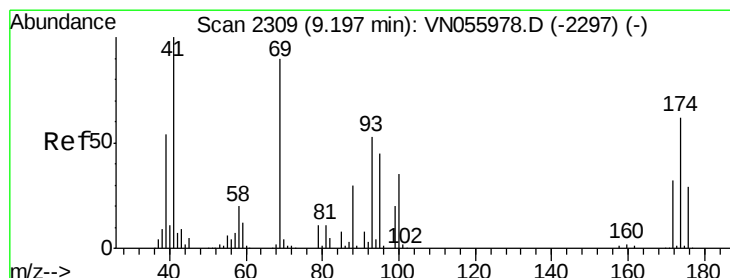


Abundance Ion 82.90 (82.60 to 83.60): VN056188.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056188.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056188.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.854 ug/l

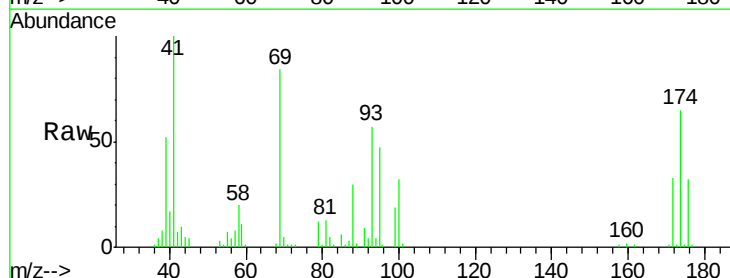
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion:	41	Resp:	53194
Ion	Ratio	Lower	Upper
41	100		
69	88.8	71.0	106.6
39	53.0	44.2	66.2

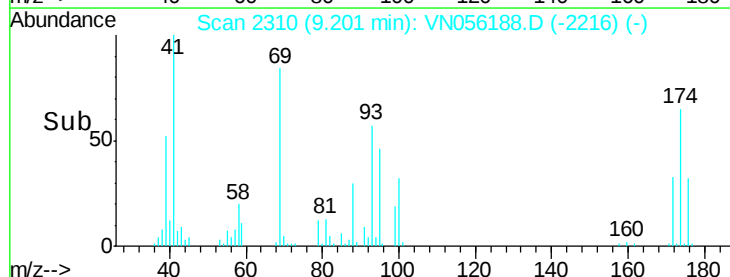


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-2297) (-)

Time-->

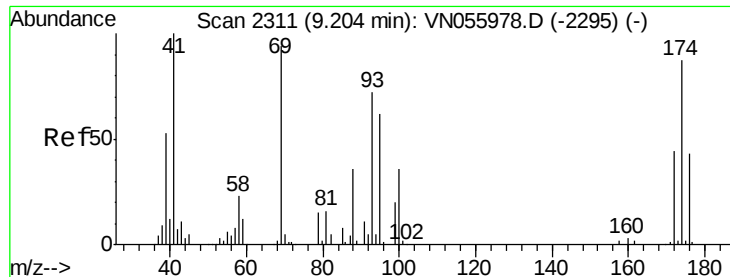


Abundance Ion 41.00 (40.70 to 41.70): VN056188.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056188.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056188.D (-2216) (-)

Time-->



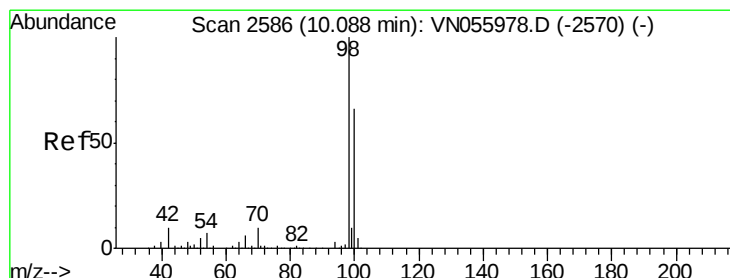
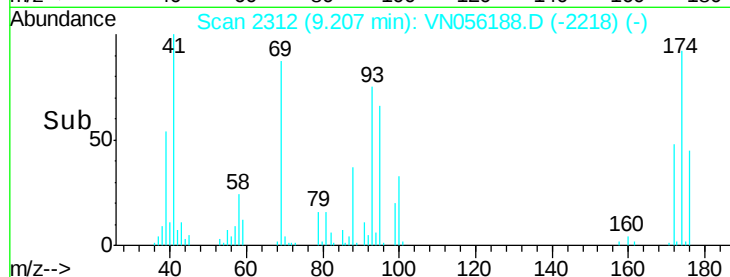
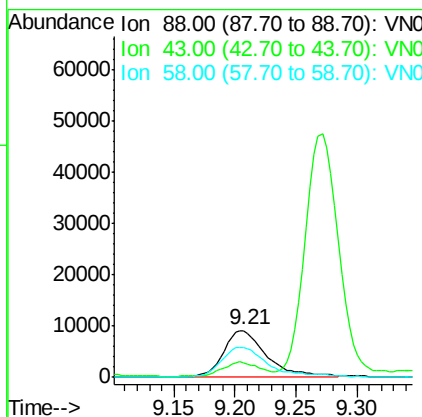
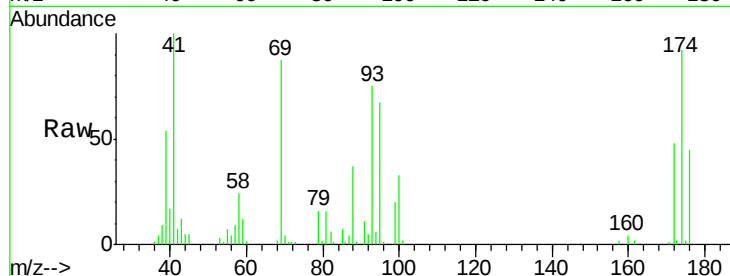
#49
1,4-Dioxane
Concen: 429.997 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	20.5	30.7
58	69.9	55.8	83.6

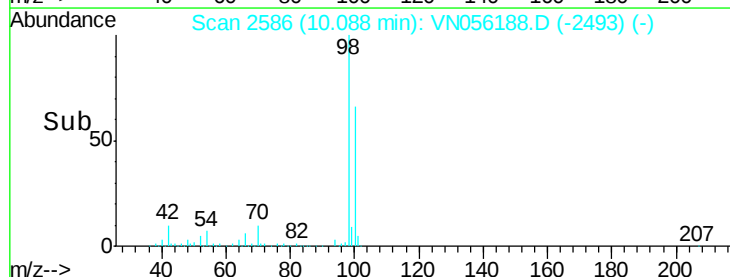
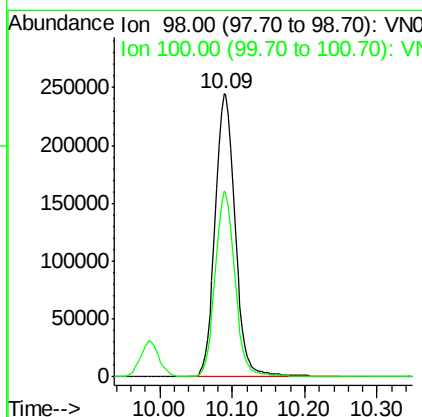
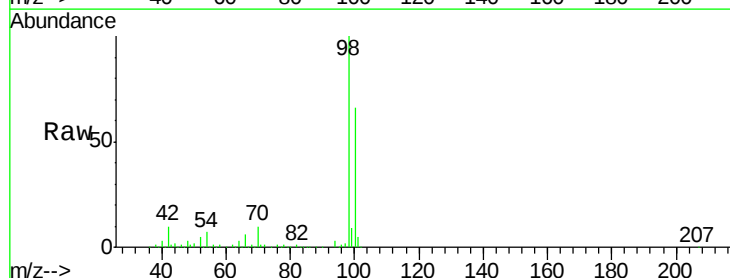
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#50
Toluene-d8
Concen: 49.773 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 113.061 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 43 Resp: 351772

Ion Ratio Lower Upper

43 100

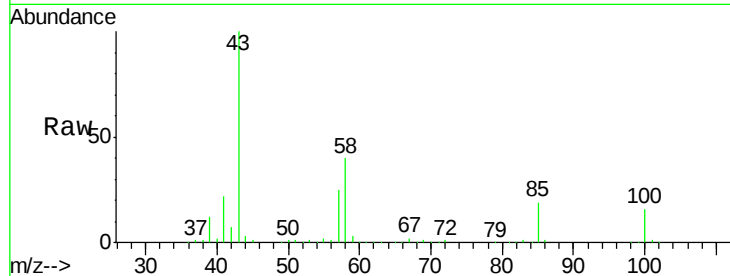
58 40.1 32.1 48.1

Manual Integrations

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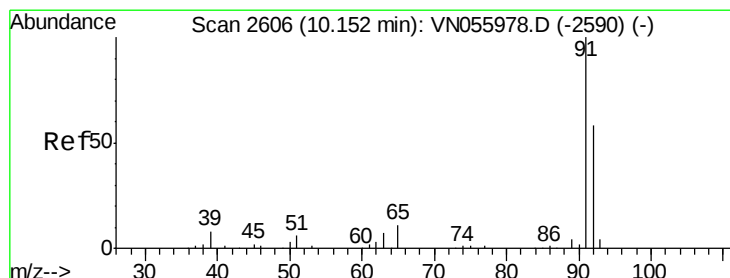
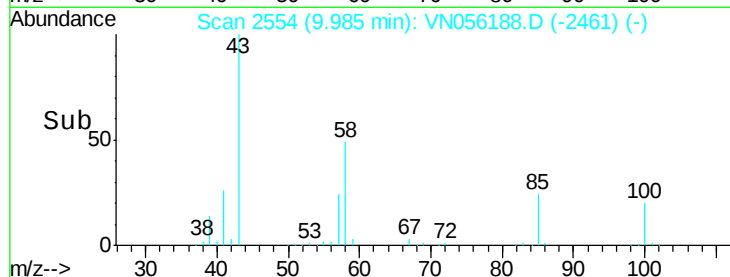
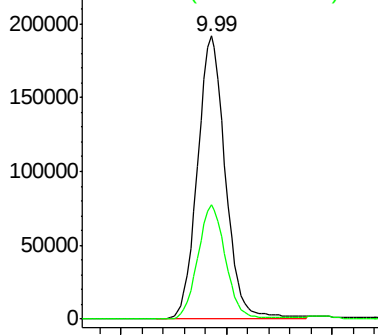
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.882 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056188.D

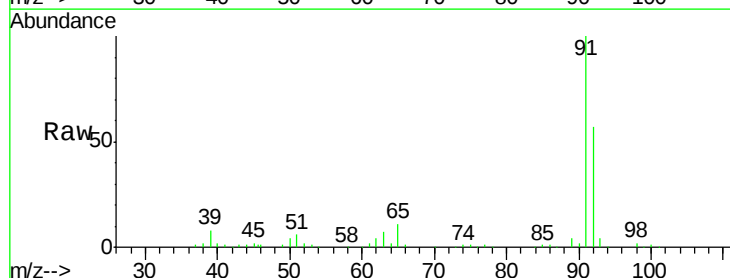
Acq: 11 Jun 2019 00:09

Tgt Ion: 92 Resp: 136187

Ion Ratio Lower Upper

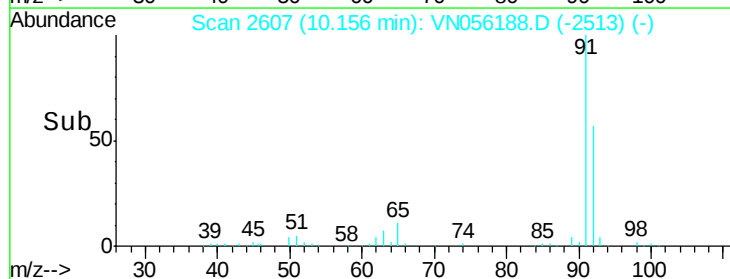
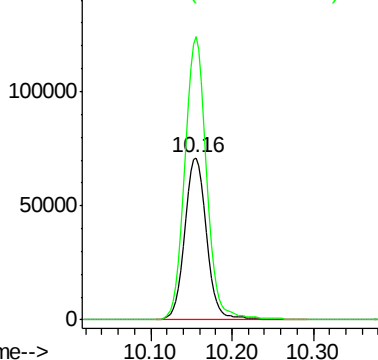
92 100

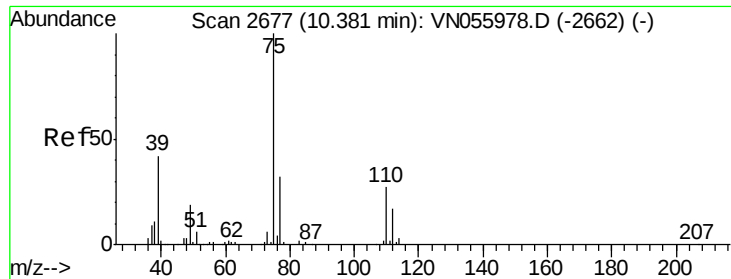
91 173.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





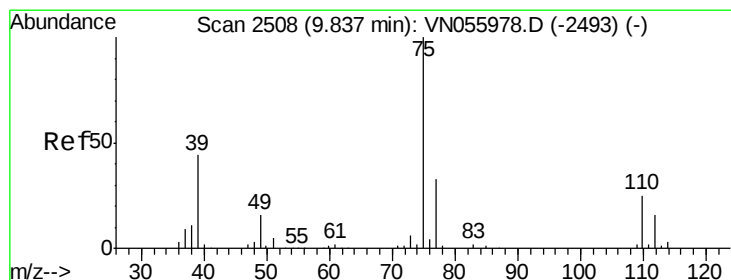
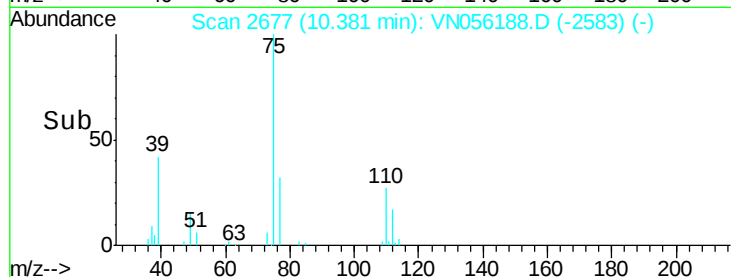
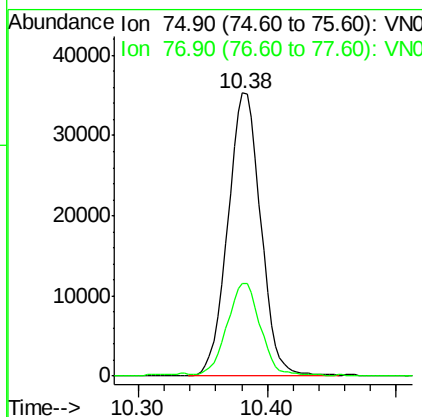
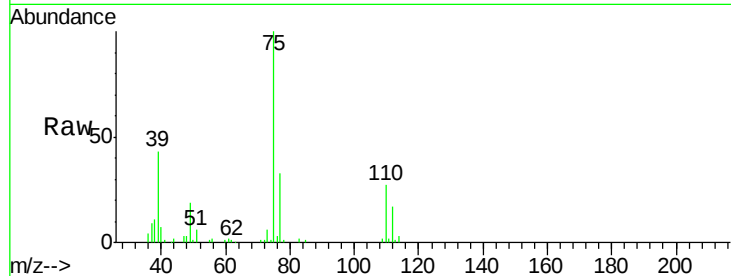
#53
 t-1,3-Dichloropropene
 Concen: 18.401 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS02

Tot Ion: 75 Resp: 62702
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6

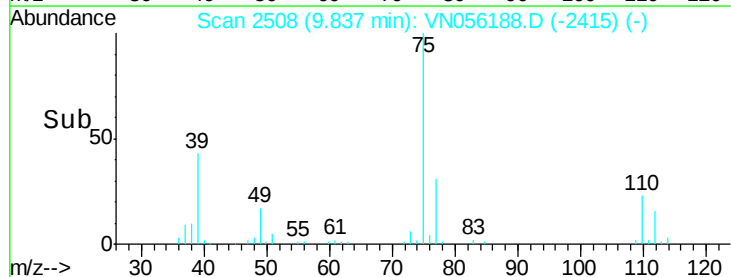
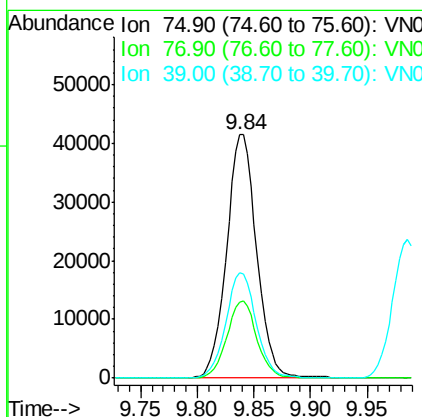
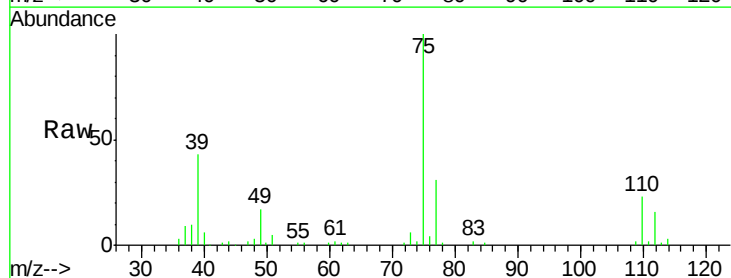
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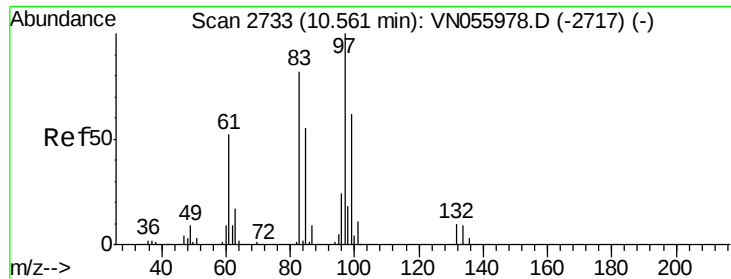
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#54
 cis-1,3-Dichloropropene
 Concen: 19.969 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion: 75 Resp: 76369
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 43.4 36.3 54.5





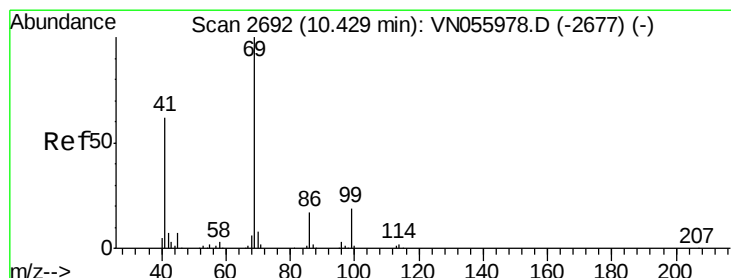
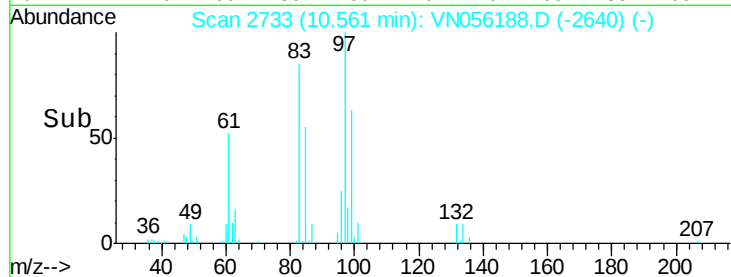
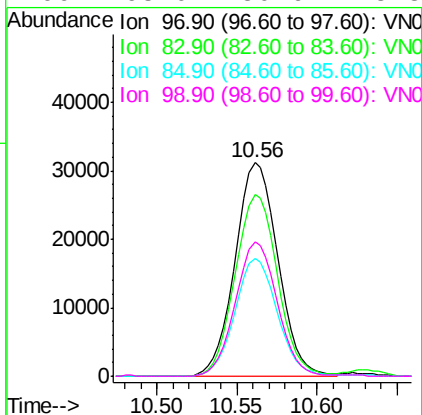
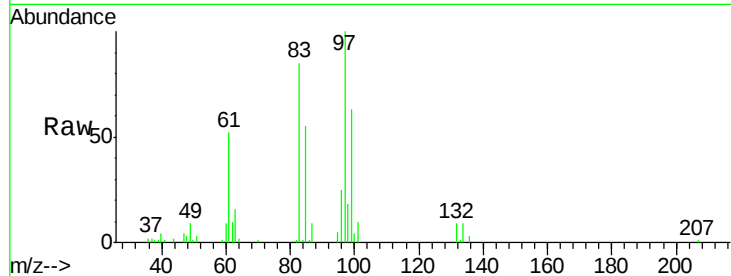
#55
 1,1,2-Trichloroethane
 Concen: 22.044 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.0	100.6
85	55.0	44.0	66.0
99	63.0	50.6	75.8

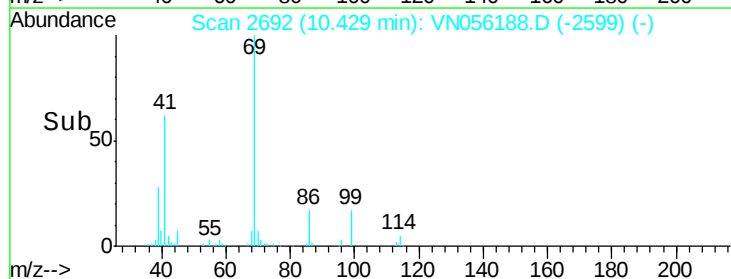
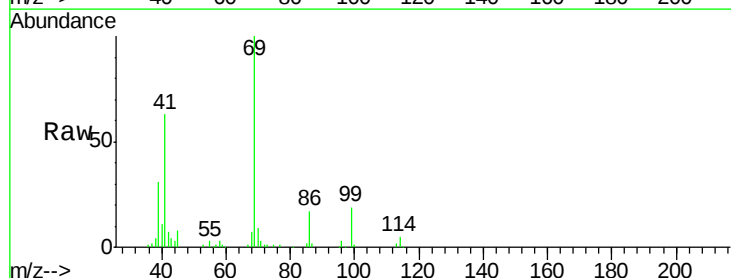
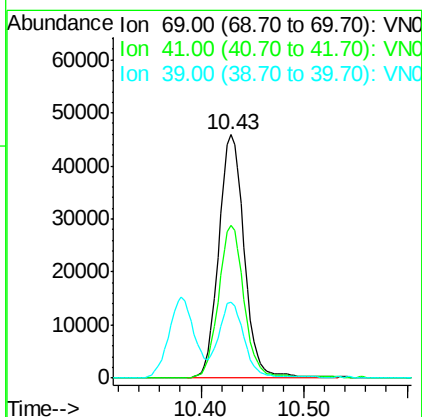
Manual Integrations
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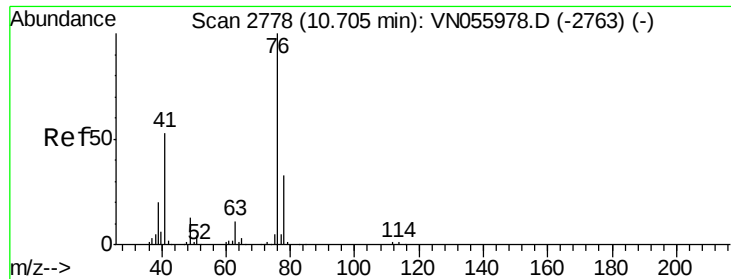
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 21.049 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.4	49.7	74.5
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 21.869 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 76 Resp: 91841

Ion Ratio Lower Upper

76 100

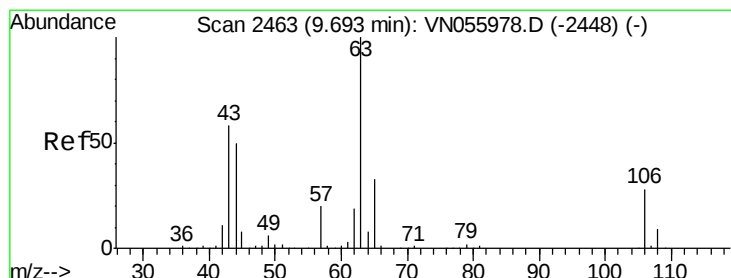
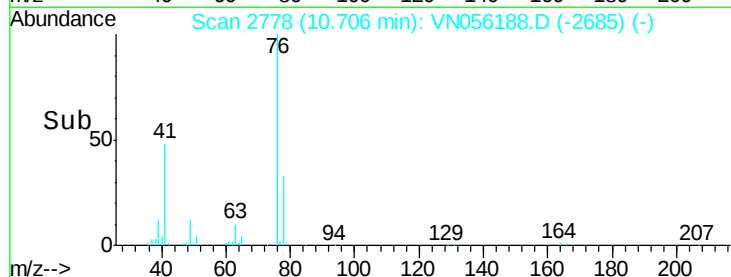
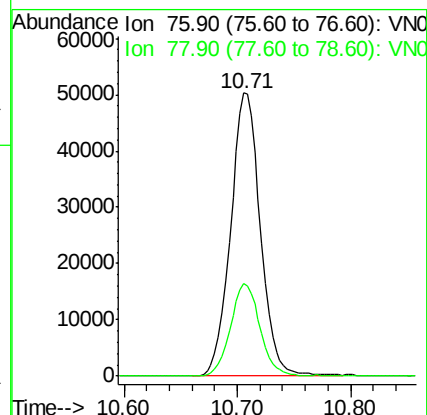
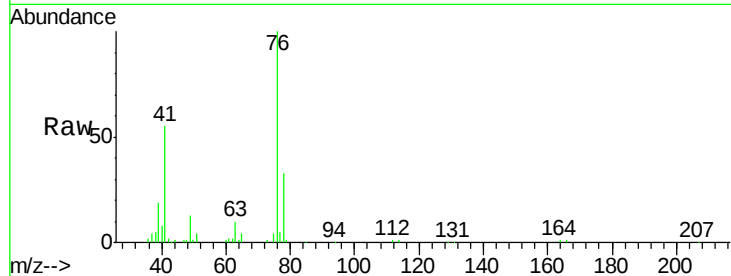
78 32.3 25.8 38.6

Manual Integrations

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6/11/2019 11:59:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.564 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056188.D

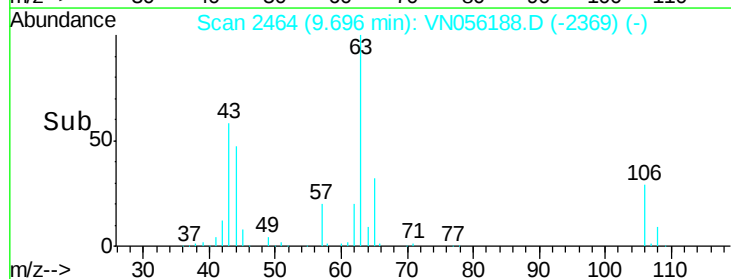
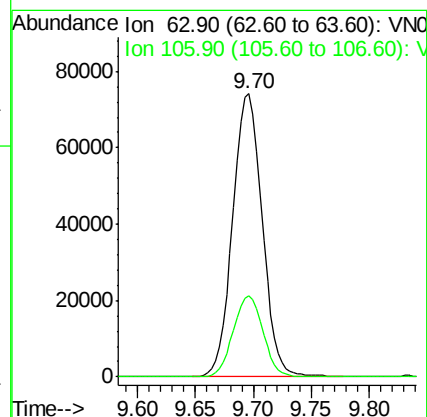
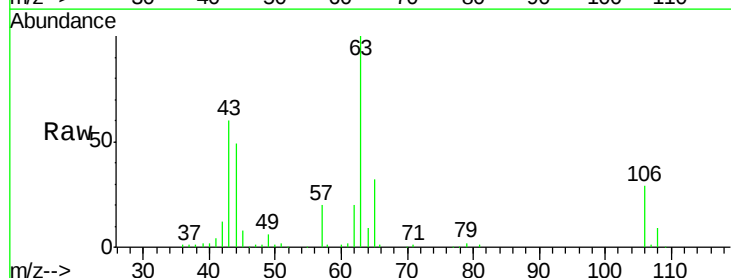
Acq: 11 Jun 2019 00:09

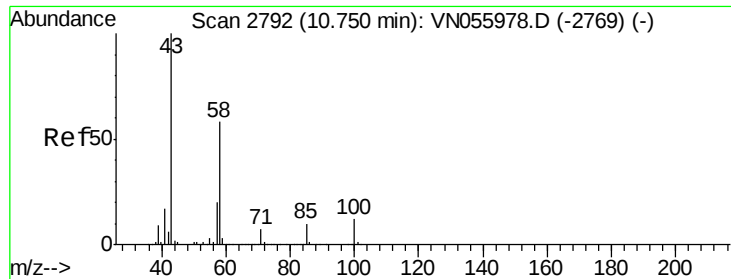
Tgt Ion: 63 Resp: 131378

Ion Ratio Lower Upper

63 100

106 28.7 22.7 34.1





#59

2-Hexanone

Concen: 108.738 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 43 Resp: 245209

Ion Ratio Lower Upper

43 100

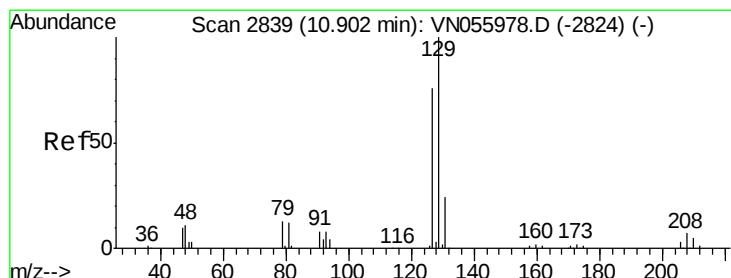
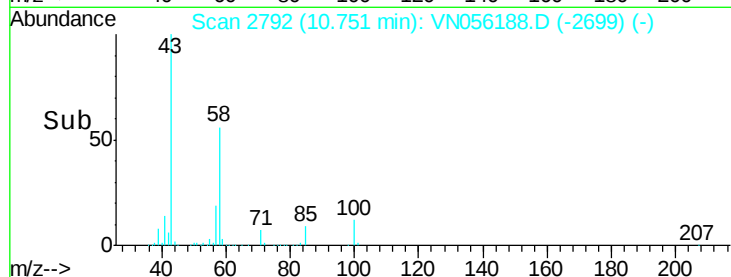
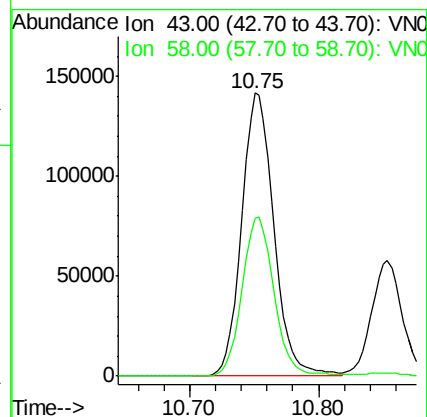
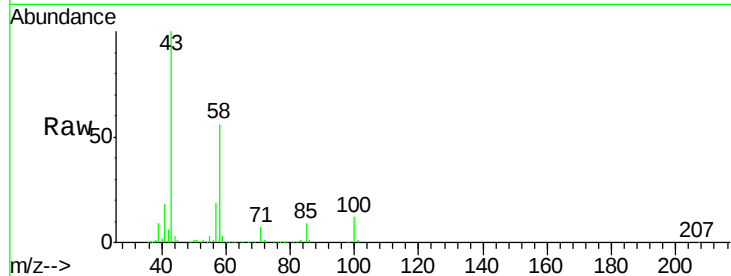
58 56.3 28.2 84.7

Manual Integrations

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6/11/2019 11:59:34 AM



#60

Dibromochloromethane

Concen: 21.548 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056188.D

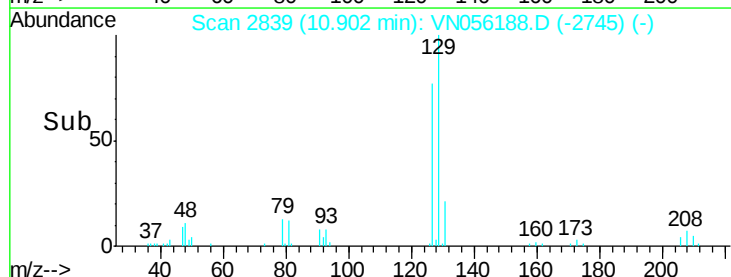
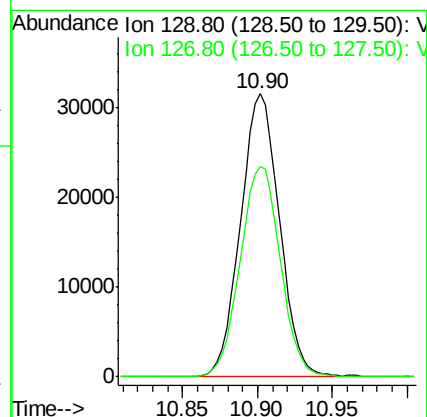
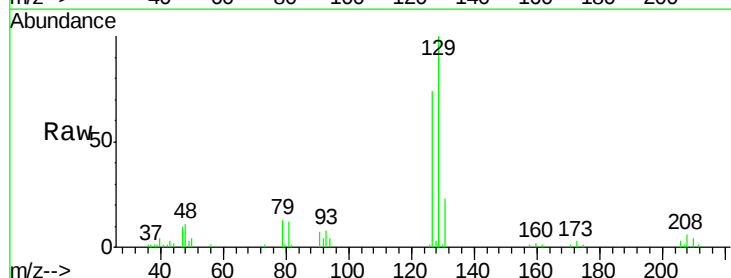
Acq: 11 Jun 2019 00:09

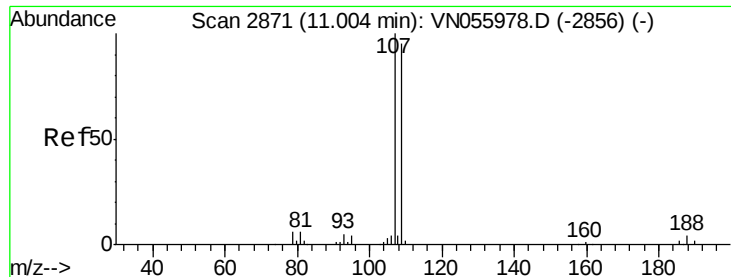
Tgt Ion:129 Resp: 57215

Ion Ratio Lower Upper

129 100

127 76.7 38.1 114.3





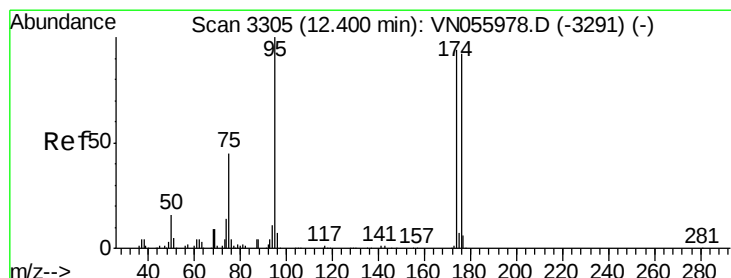
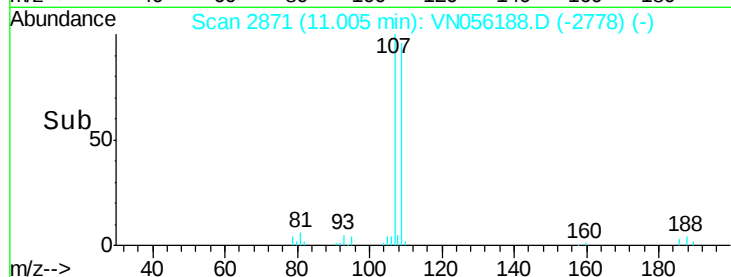
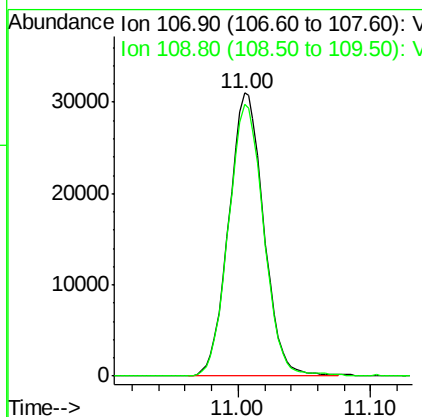
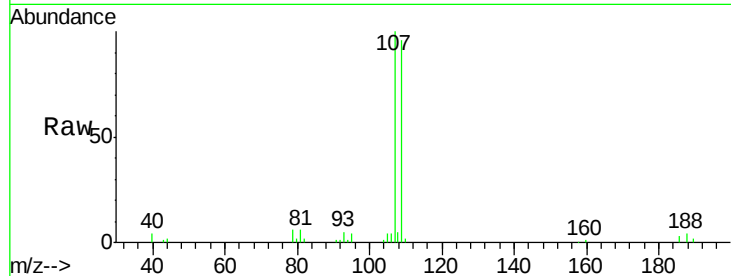
#61
 1,2-Dibromoethane
 Concen: 21.485 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion:107 Resp: 56742
 Ion Ratio Lower Upper
 107 100
 109 96.7 74.8 112.2

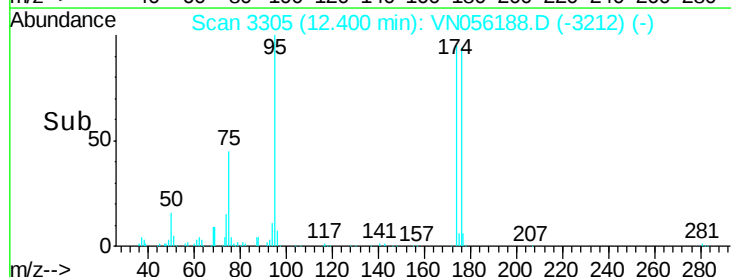
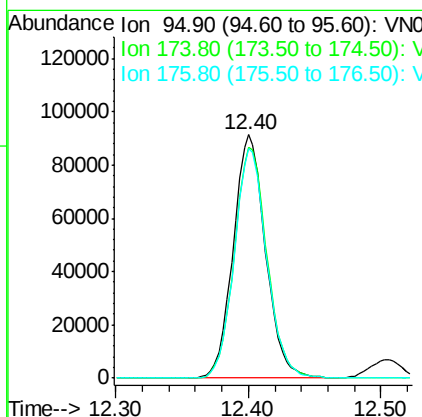
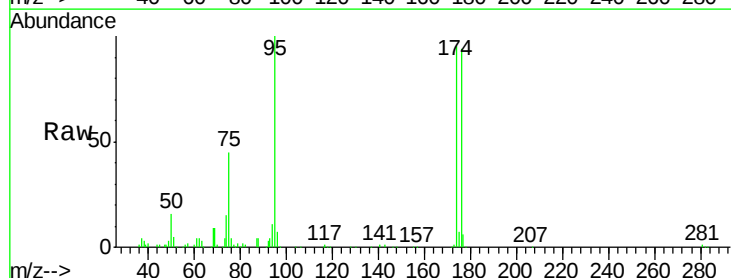
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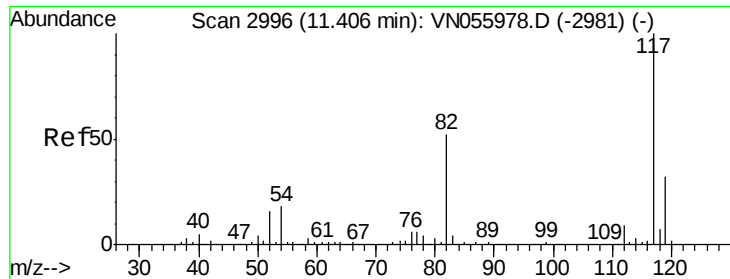
MMDadoda
 6/11/2019 11:59:34 AM



#62
 4-Bromofluorobenzene
 Concen: 47.861 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion: 95 Resp: 154211
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 191.0
 176 94.5 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: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

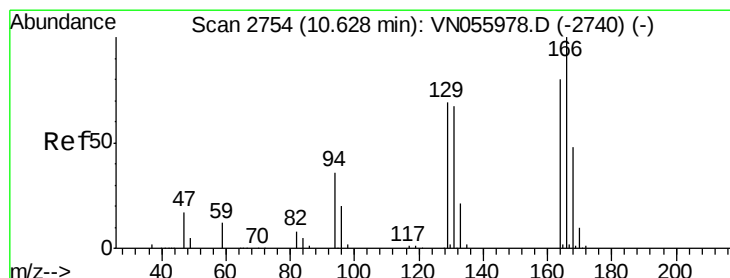
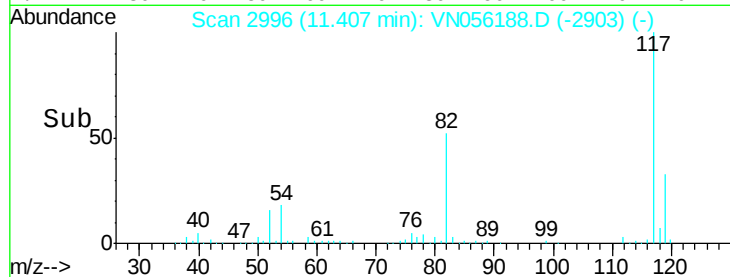
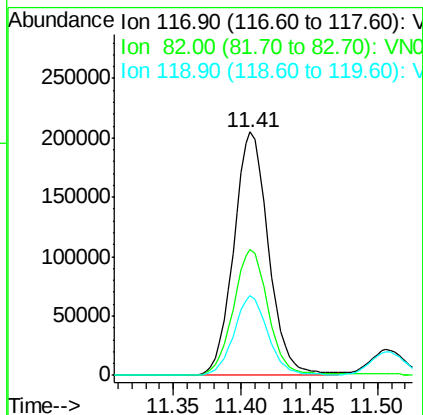
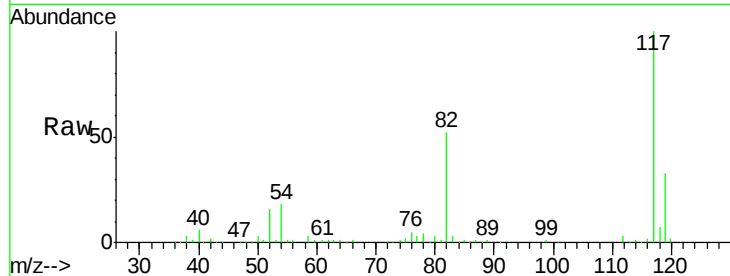
ClientSampled :

VN0610WBS02

Tot Ion:	117	Resp:	362123
Ion Ratio	Lower	Upper	
117	100		
82	51.5	41.8	62.8
119	32.5	25.4	38.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.279 ug/l

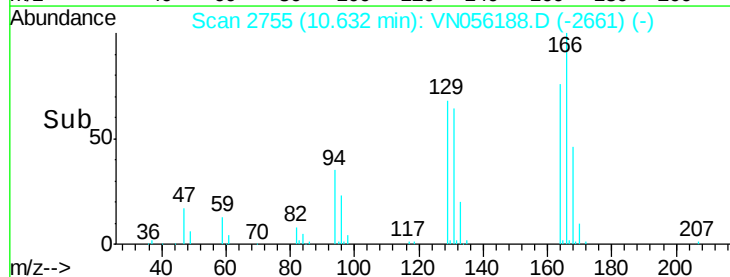
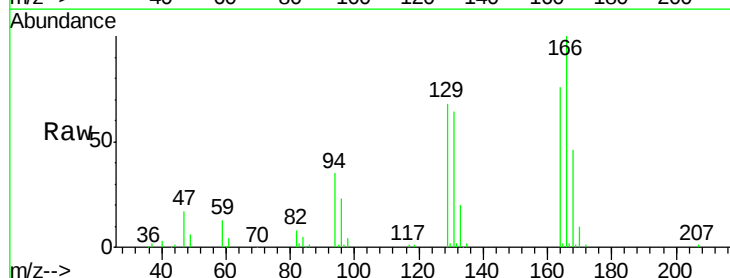
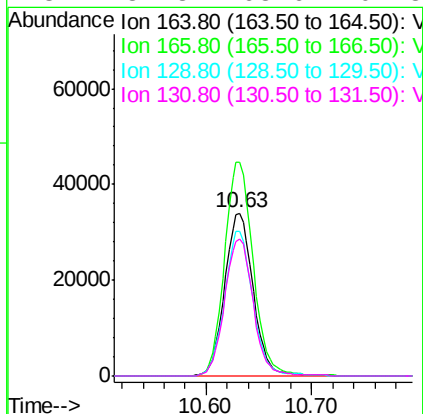
RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion:	164	Resp:	63567
Ion Ratio	Lower	Upper	
164	100		
166	131.1	103.0	154.6
129	88.6	70.6	105.8
131	84.3	68.6	102.8





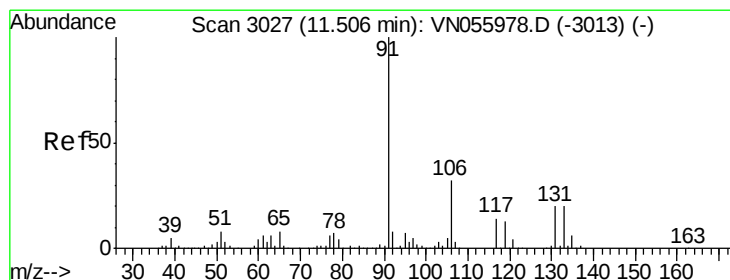
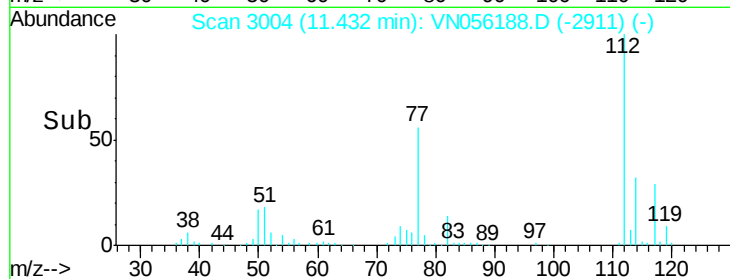
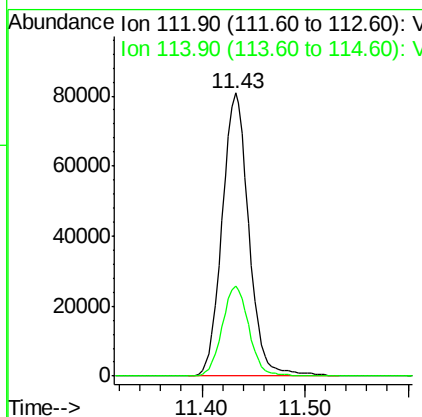
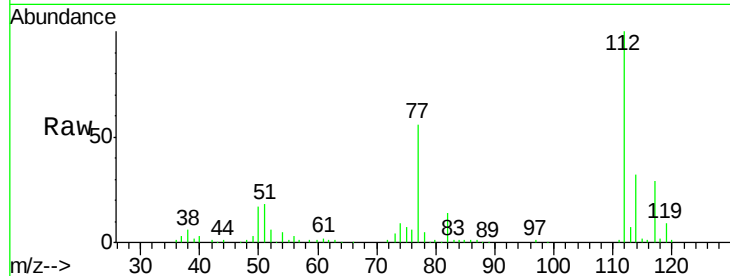
#65
Chlorobenzene
Concen: 20.289 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion:112 Resp: 146221
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

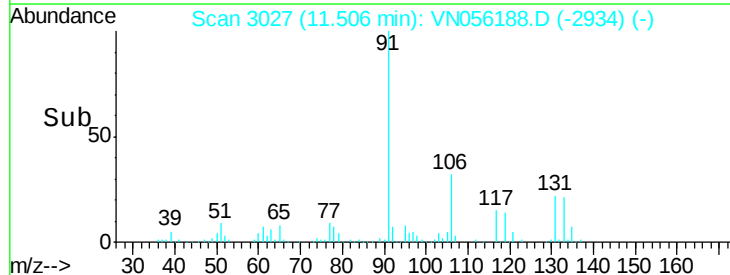
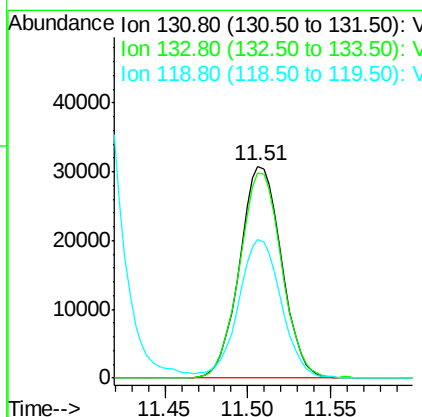
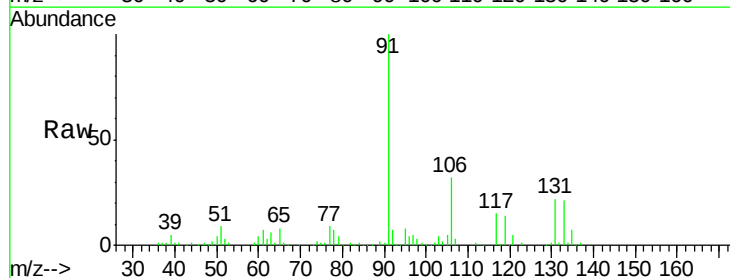
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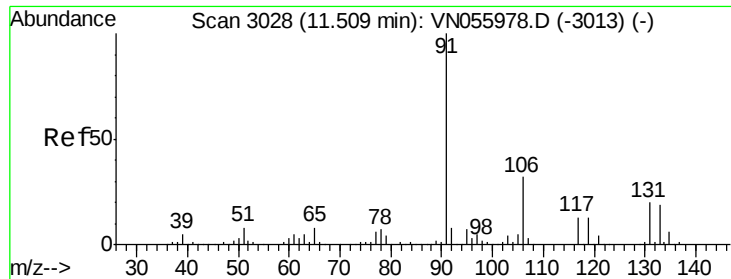
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.762 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion:131 Resp: 54154
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.0
119 67.0 33.1 99.5





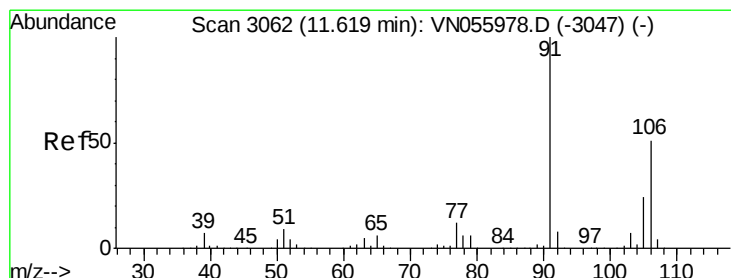
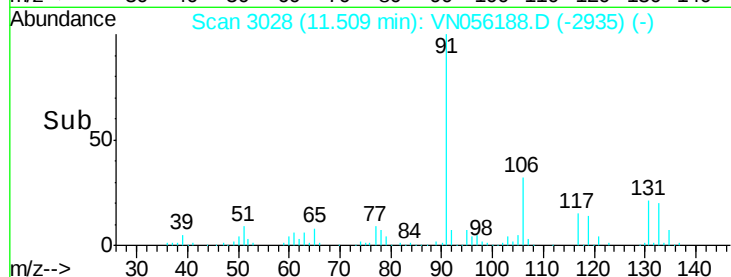
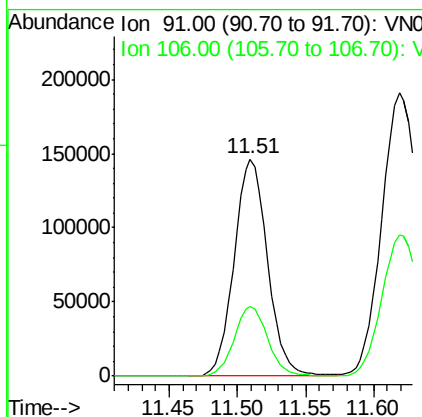
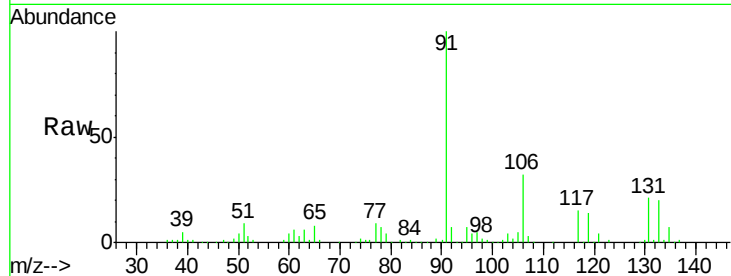
#67
Ethyl Benzene
Concen: 19.872 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampled :
VN0610WBS02

Tot Ion: 91 Resp: 249028
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

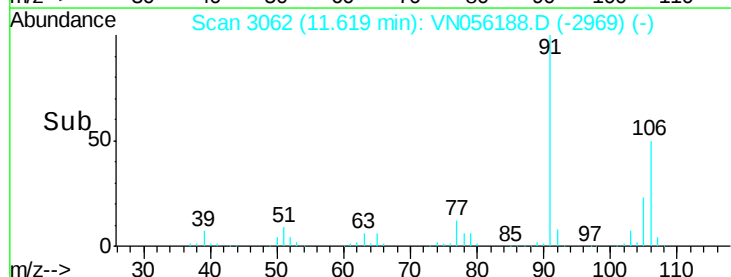
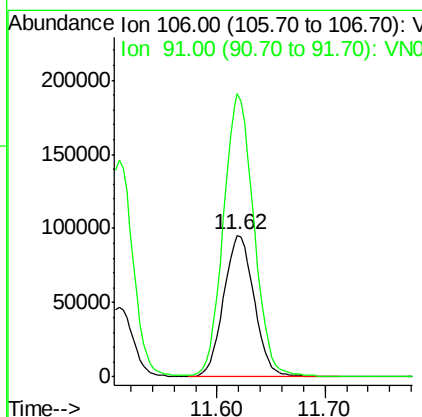
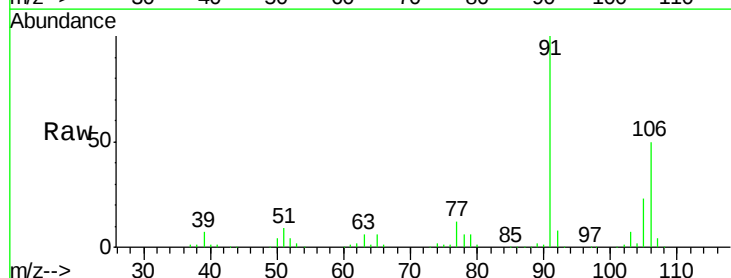
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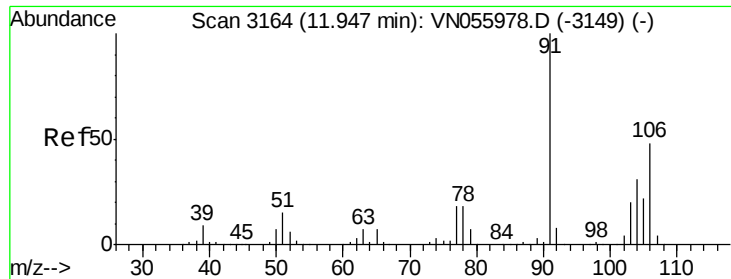
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#68
m/p-Xylenes
Concen: 39.538 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion: 106 Resp: 189280
Ion Ratio Lower Upper
106 100
91 198.2 159.3 238.9





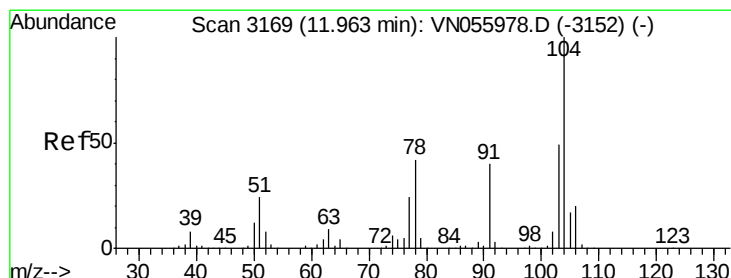
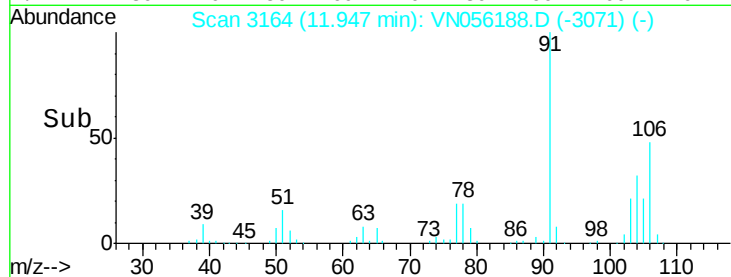
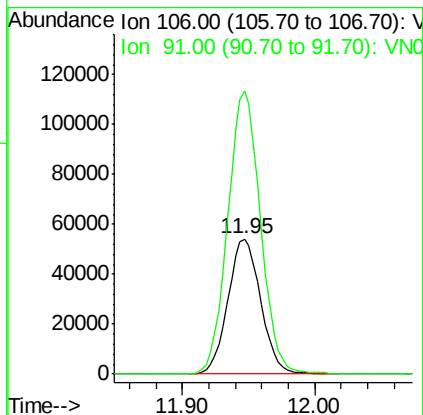
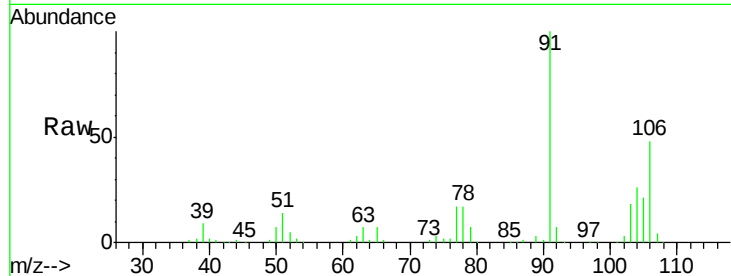
#69
o-Xylene
Concen: 19.788 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion:106 Resp: 93184
Ion Ratio Lower Upper
106 100
91 208.9 104.7 314.1

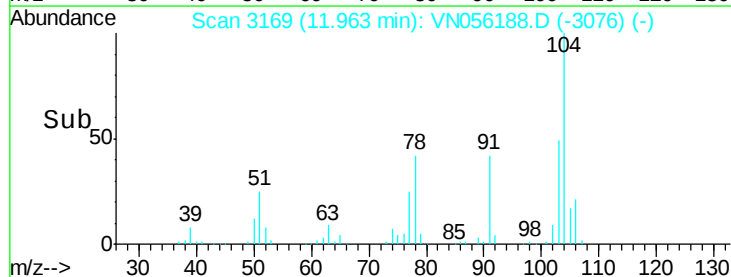
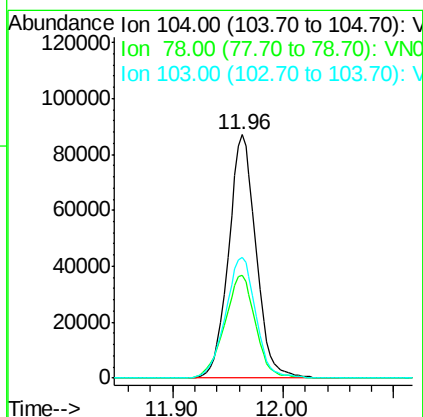
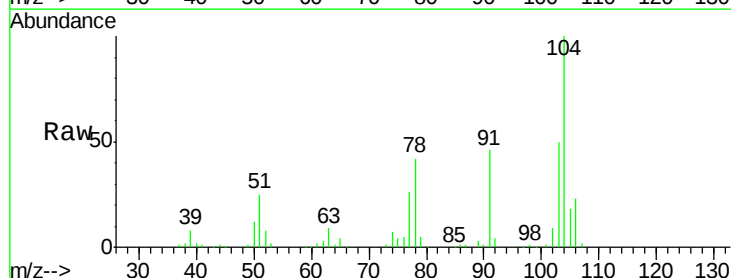
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#70
Styrene
Concen: 20.049 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion:104 Resp: 150005
Ion Ratio Lower Upper
104 100
78 47.6 37.8 56.6
103 54.9 44.2 66.2





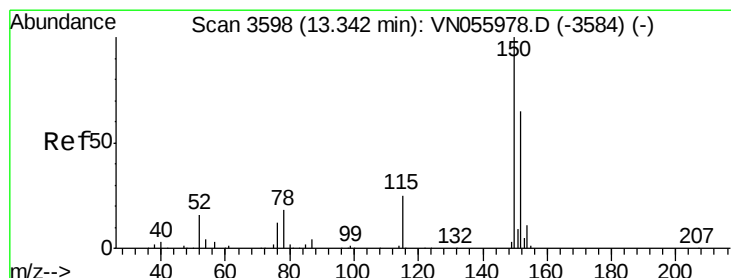
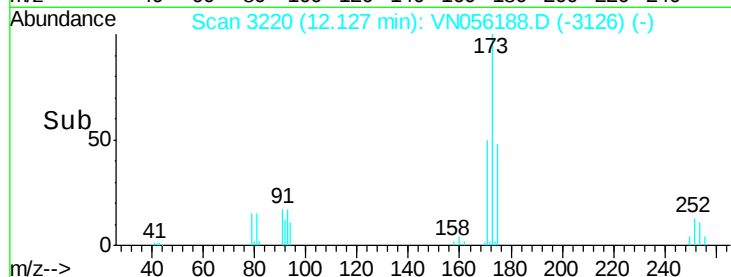
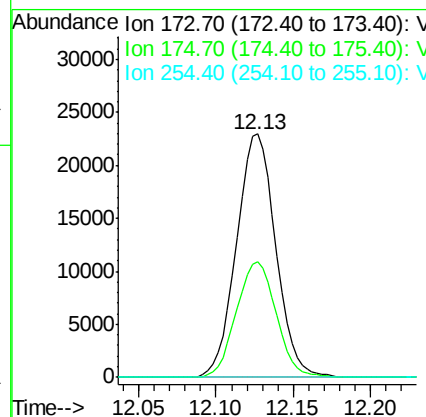
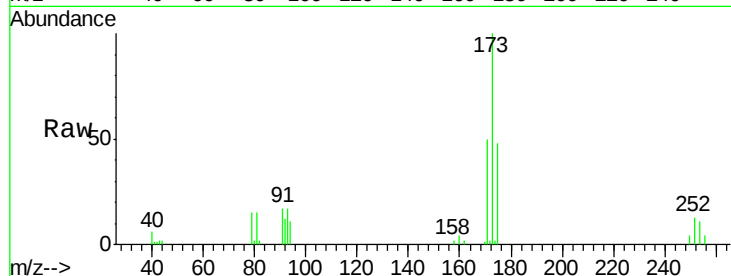
#71
Bromoform
Concen: 21.055 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0

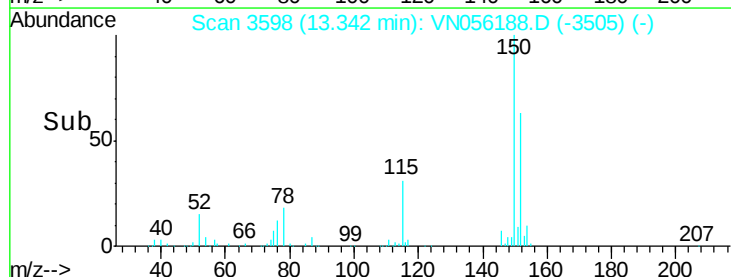
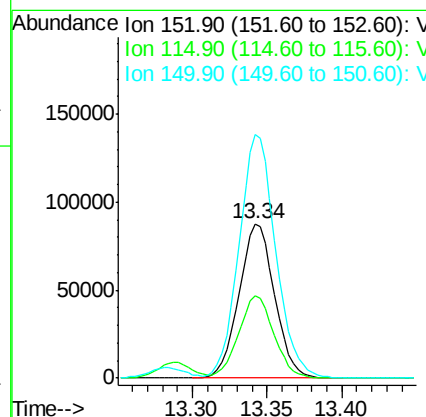
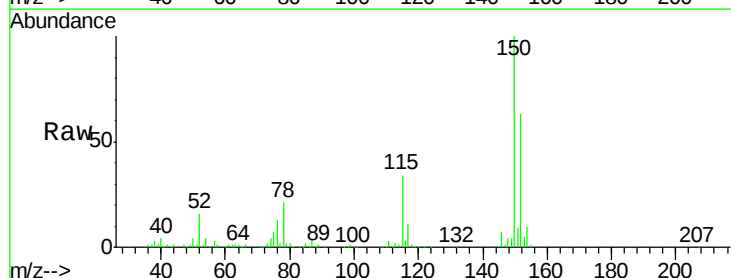
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6/11/2019 11:59:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	27.0	81.0
150	163.3	0.0	343.2





#73

Isopropylbenzene

Concen: 22.847 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 105 Resp: 249016

Ion Ratio Lower Upper

105 100

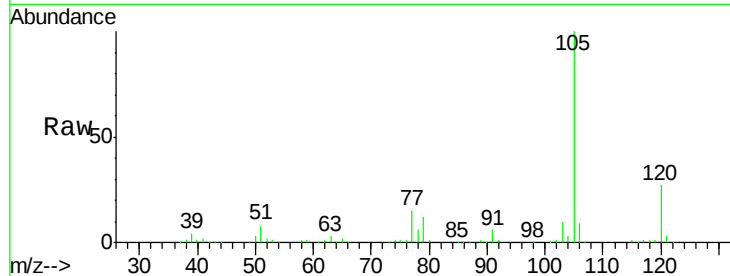
120 27.0 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

0

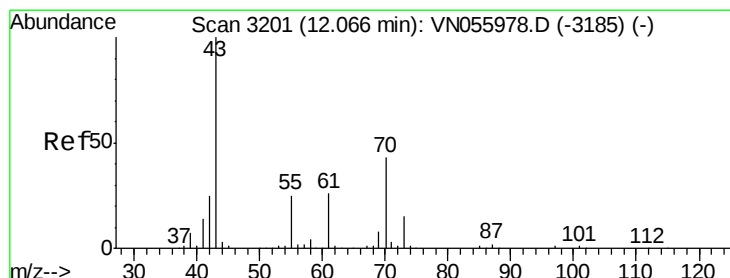
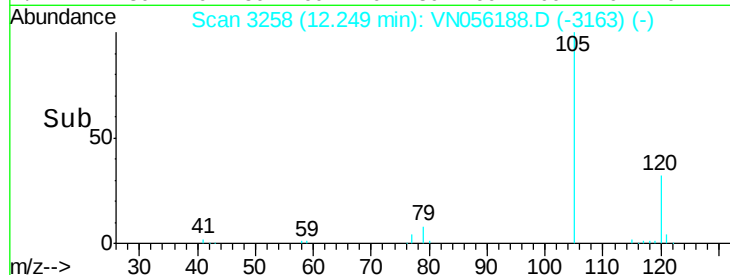
12.25

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.670 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion: 43 Resp: 83525

Ion Ratio Lower Upper

43 100

70 43.7 34.0 51.0

55 25.6 18.6 28.0

61 24.8 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

20000

0

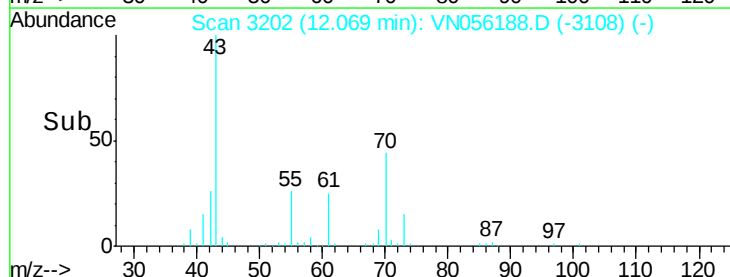
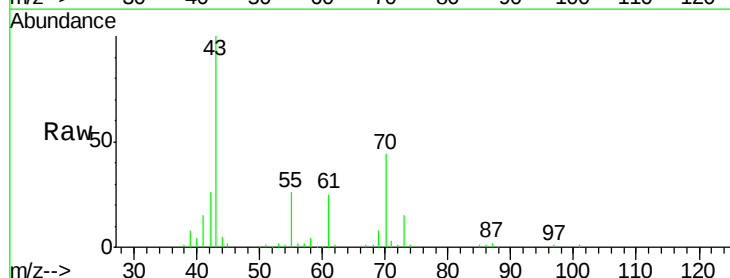
12.07

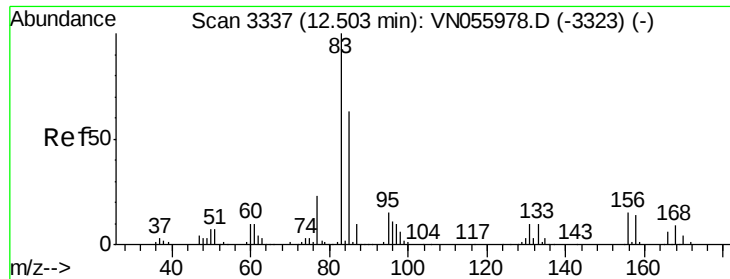
12.00

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.252 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS02

Tot Ion: 83 Resp: 78049

Ion Ratio Lower Upper

83 100

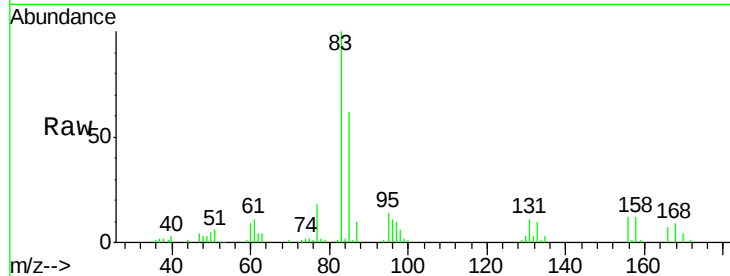
131 11.3 5.4 16.2

85 62.7 32.4 97.0

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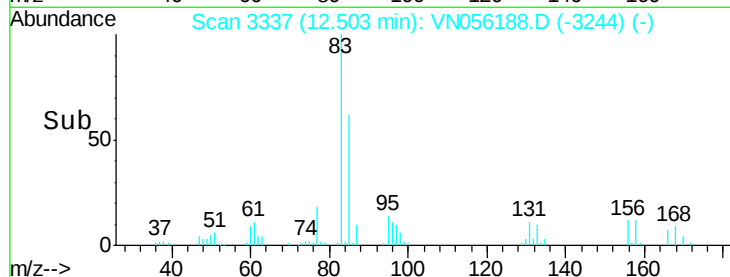


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

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

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

Time-->

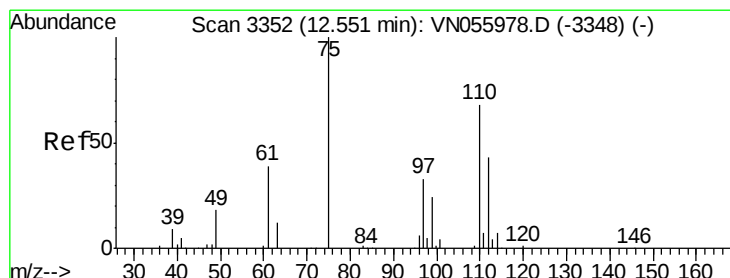


Abundance Ion 82.90 (82.60 to 83.60): VN056188.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056188.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056188.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.182 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056188.D

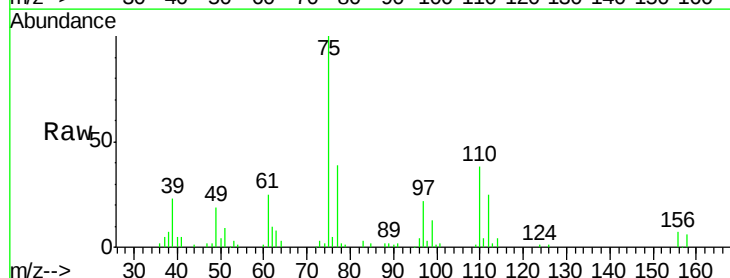
Acq: 11 Jun 2019 00:09

Tgt Ion: 75 Resp: 66998

Ion Ratio Lower Upper

75 100

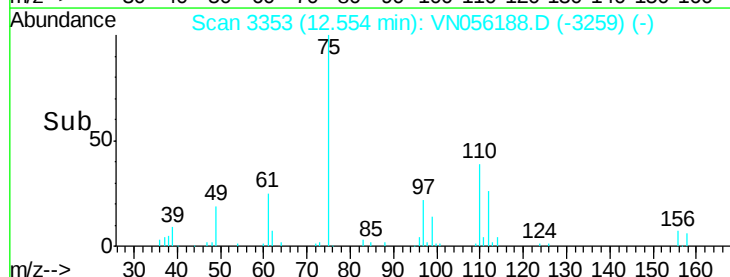
77 0.0 0.0 0.0



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

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

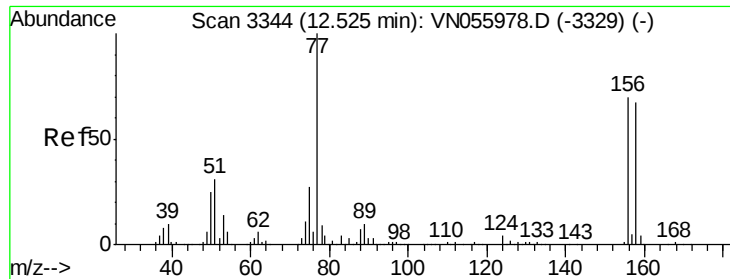
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN056188.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056188.D (-3259) (-)

Time-->



#77

Bromobenzene

Concen: 21.551 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

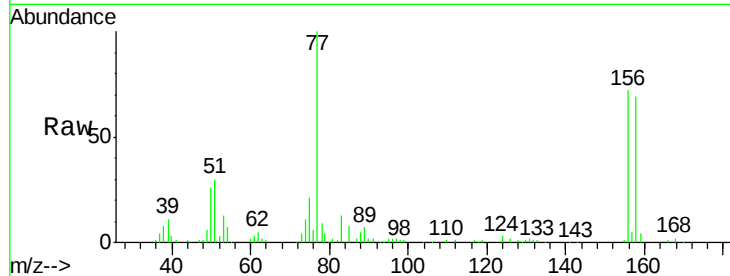
ClientSampled :

VN0610WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.2	90.8	272.5
158	96.8	49.3	147.8

Manual Integrations
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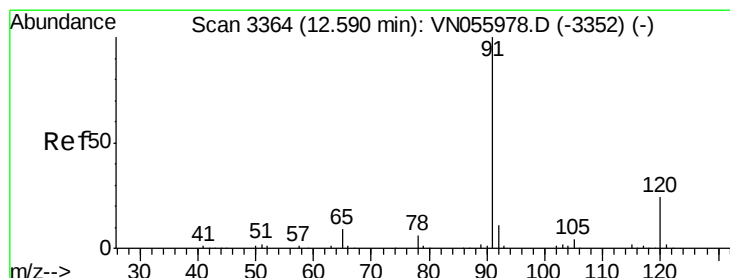
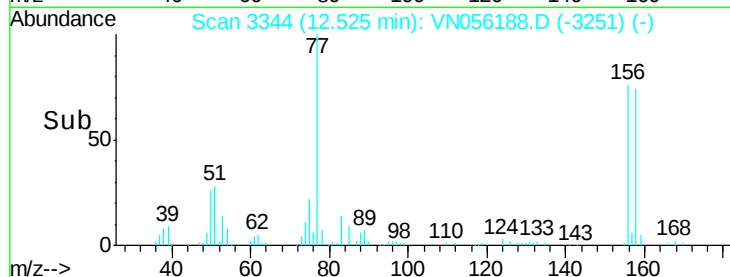
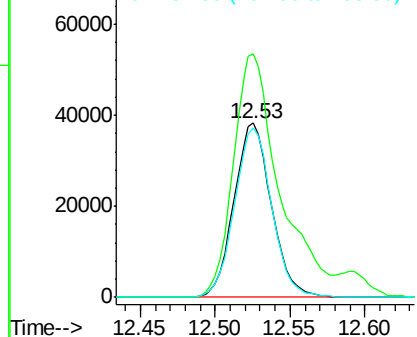
MMDadoda
6/11/2019 11:59:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.525 ug/l

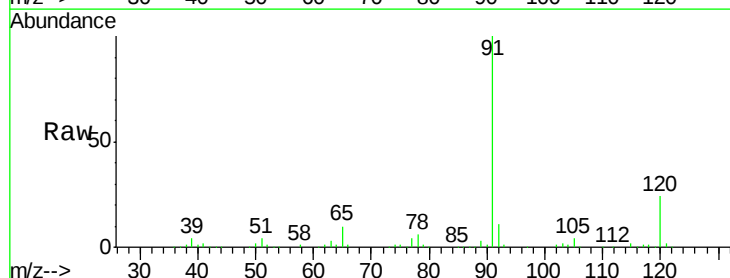
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056188.D

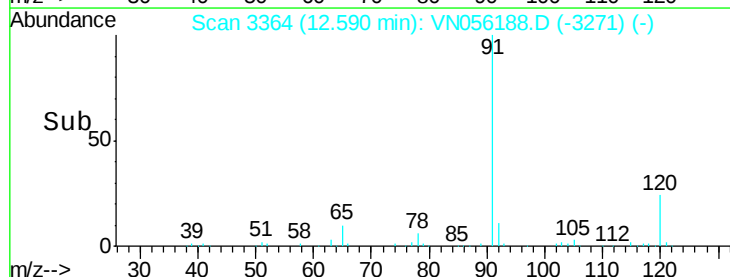
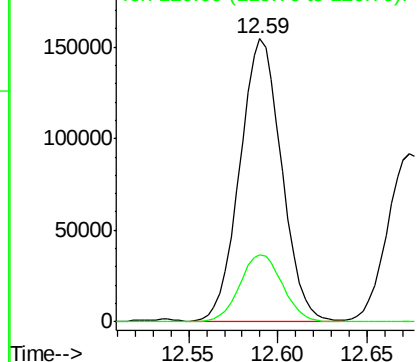
Acq: 11 Jun 2019 00:09

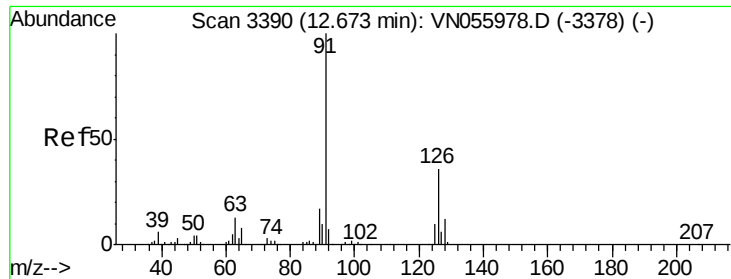
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





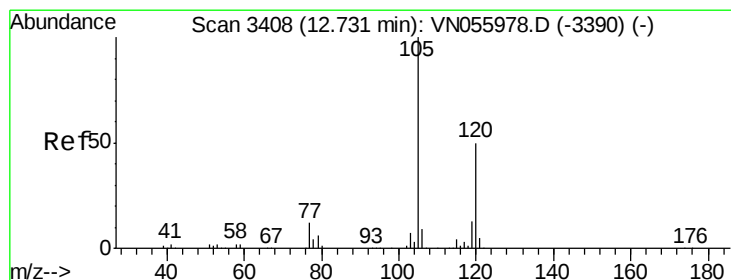
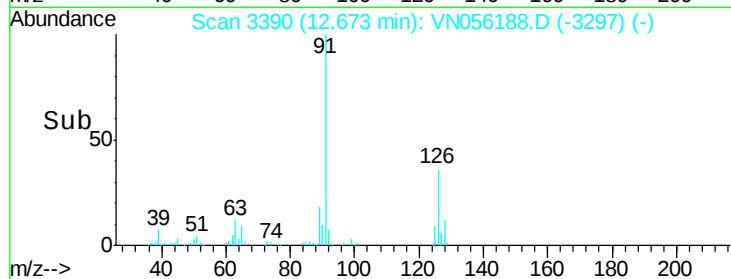
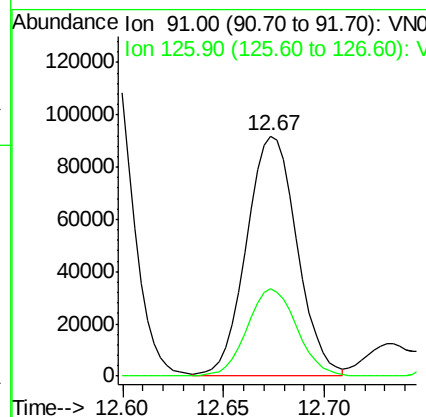
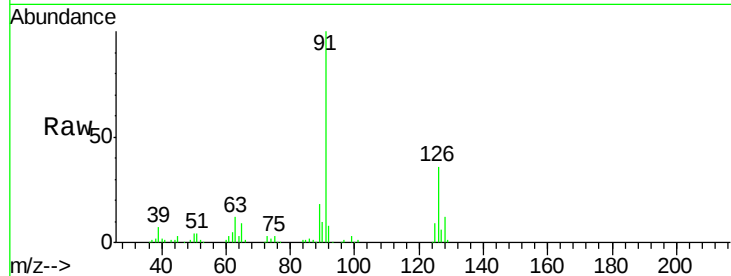
#79
 2-Chlorotoluene
 Concen: 22.314 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.1	54.4

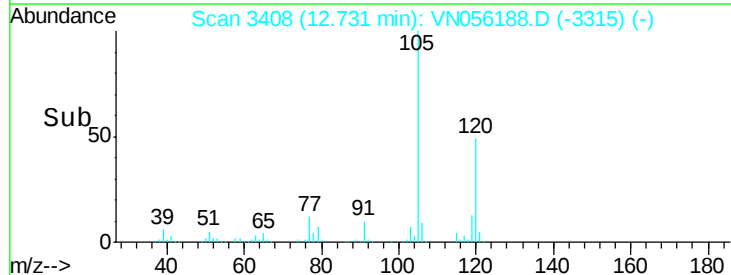
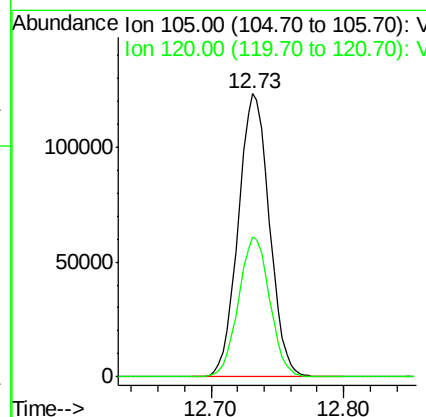
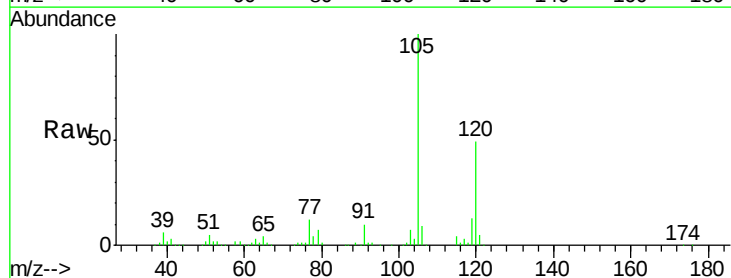
Manual Integrations
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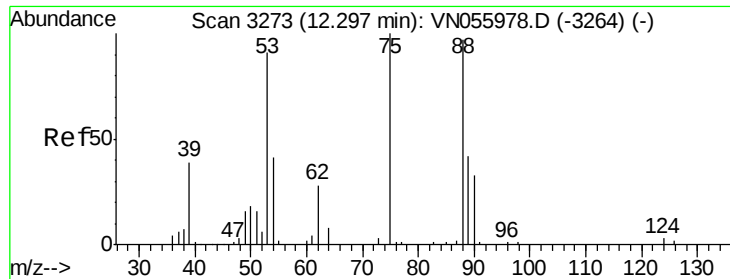
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 6/11/2019 11:59:34 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.629 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.7	74.1





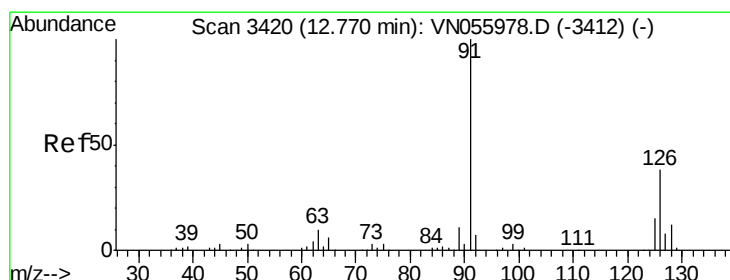
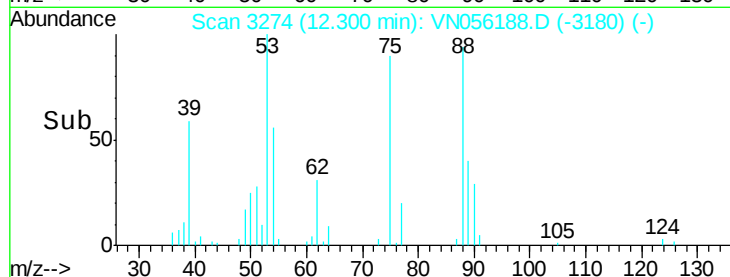
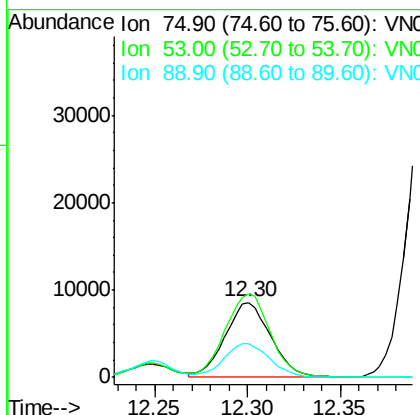
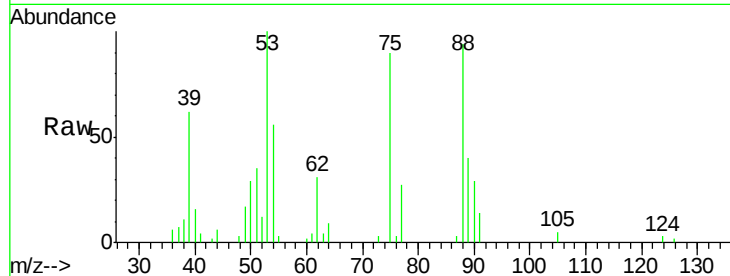
#81
trans-1,4-Dichloro-2-butene
Concen: 18.361 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion: 75 Resp: 14669
Ion Ratio Lower Upper
75 100
53 110.8 68.1 102.1#
89 45.5 36.9 55.3

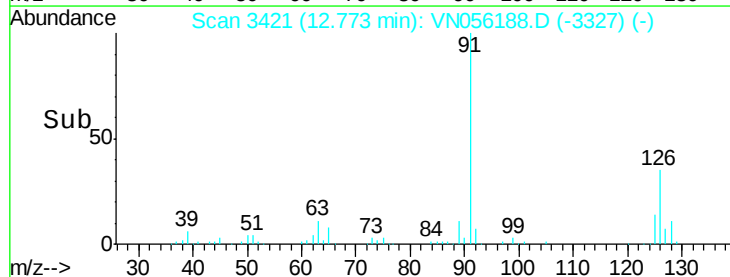
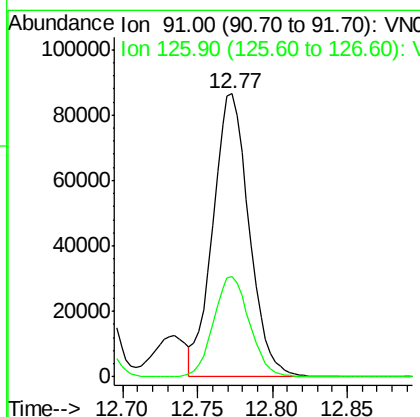
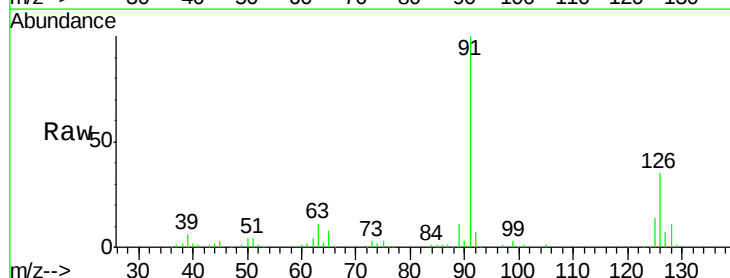
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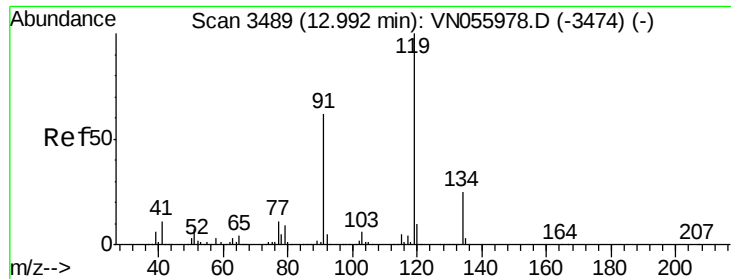
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#82
4-Chlorotoluene
Concen: 20.392 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion: 91 Resp: 145934
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.3





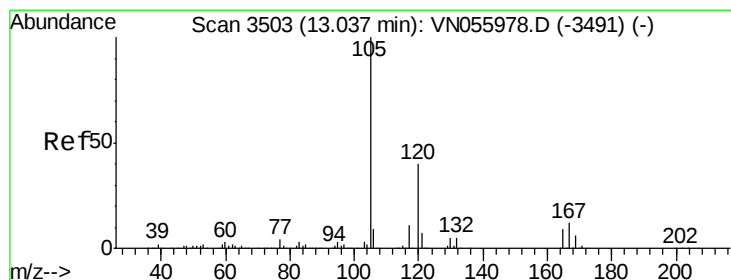
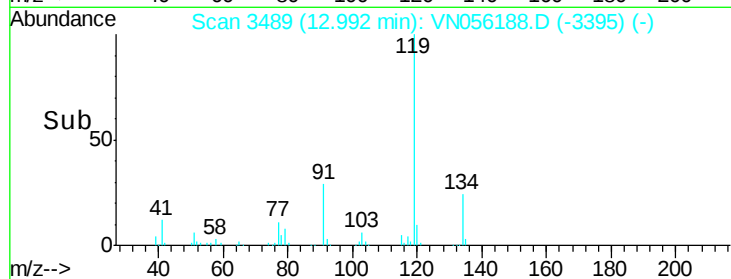
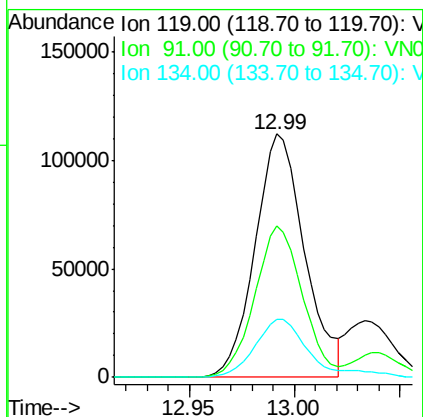
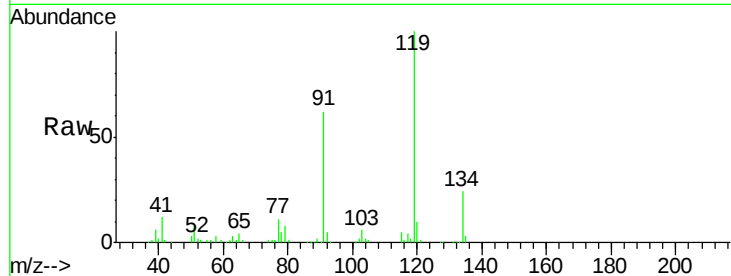
#83
 tert-Butylbenzene
 Concen: 22.841 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.9	92.8
134	26.2	13.3	39.8

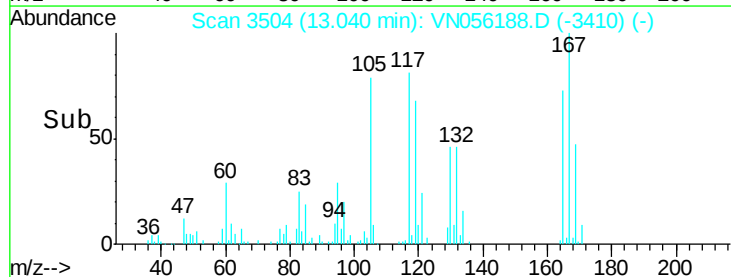
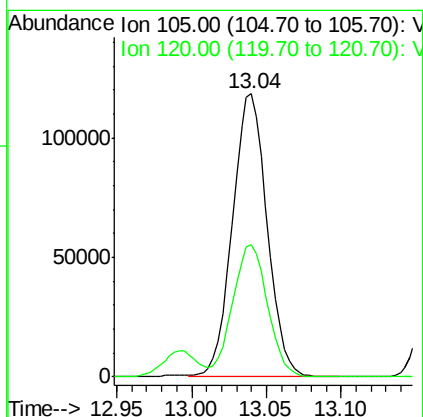
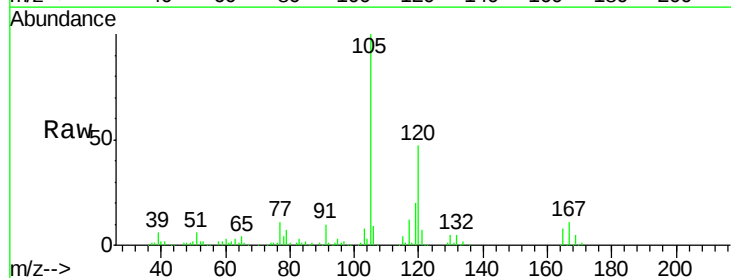
Manual Integrations
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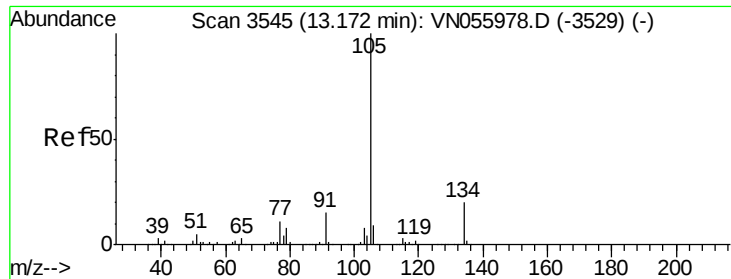
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.702 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.0	69.0





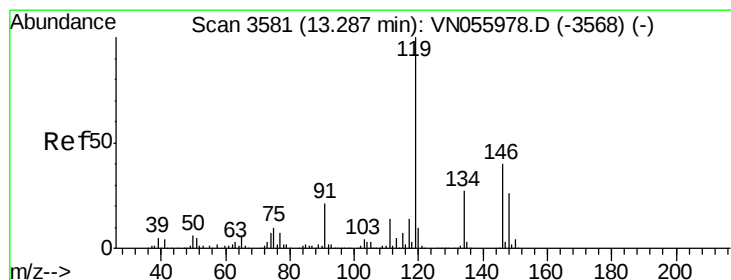
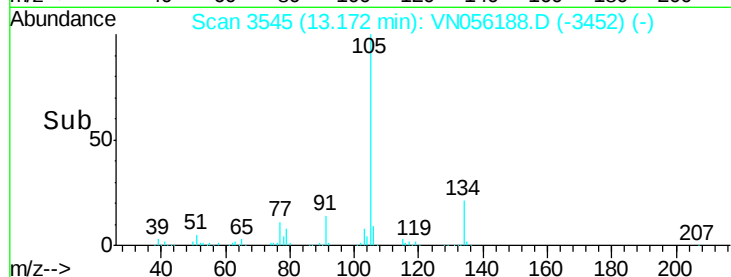
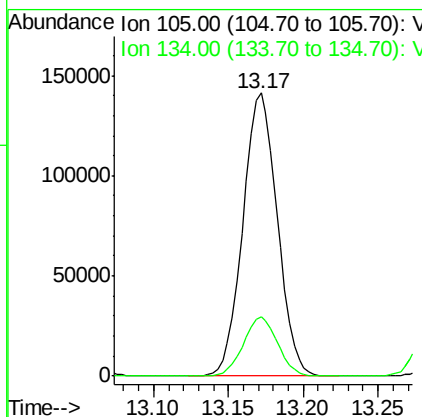
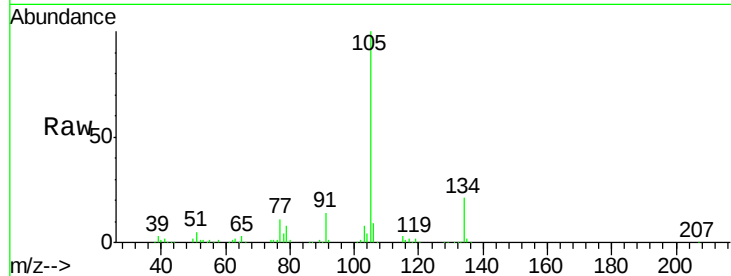
#85
 sec-Butylbenzene
 Concen: 20.916 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.2

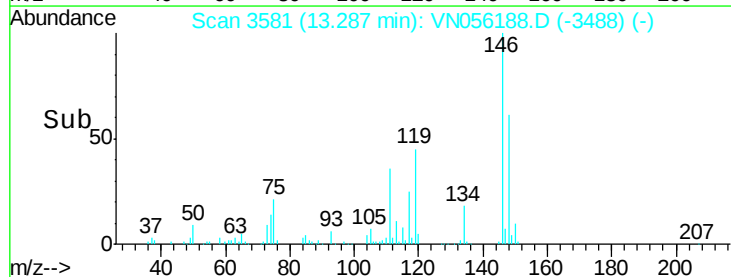
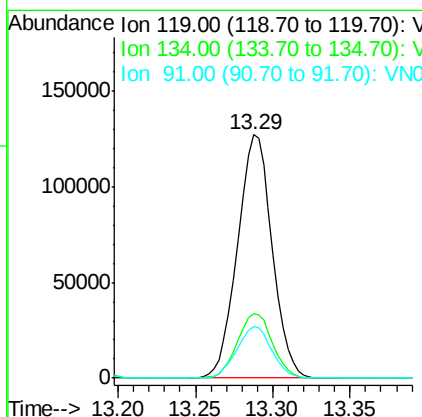
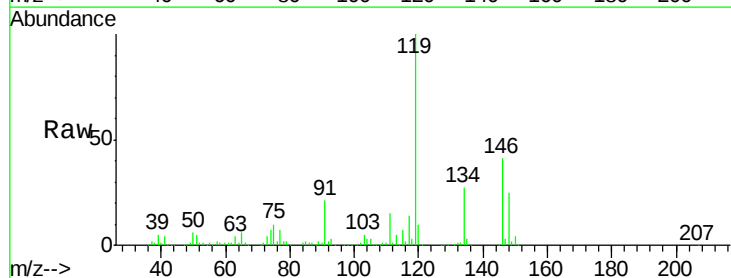
Manual Integrations
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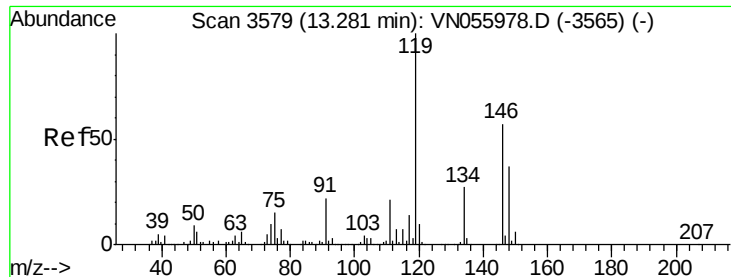
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 6/11/2019 11:59:34 AM



#86
 p-Isopropyltoluene
 Concen: 20.375 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	21.5	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 20.472 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

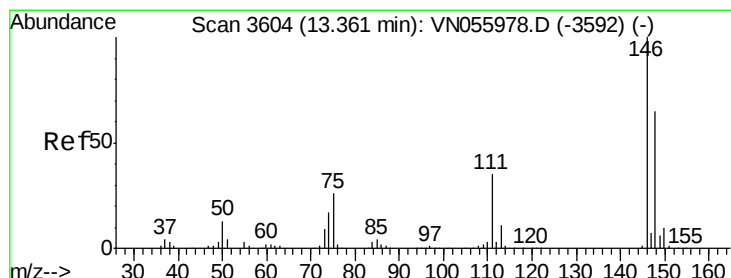
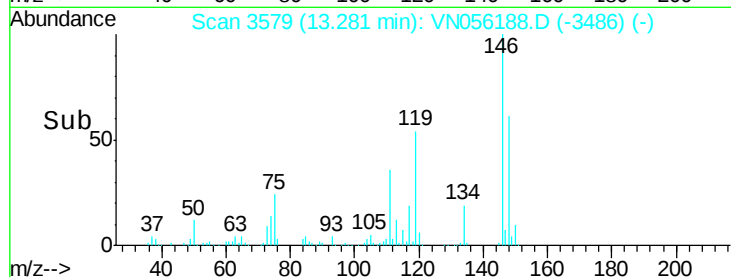
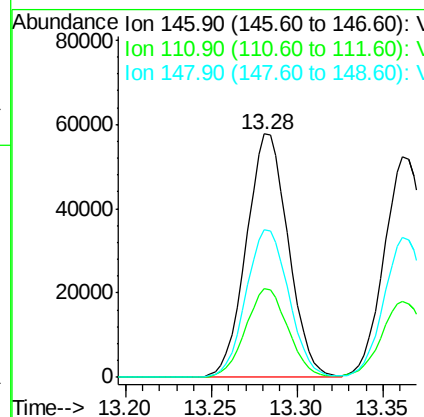
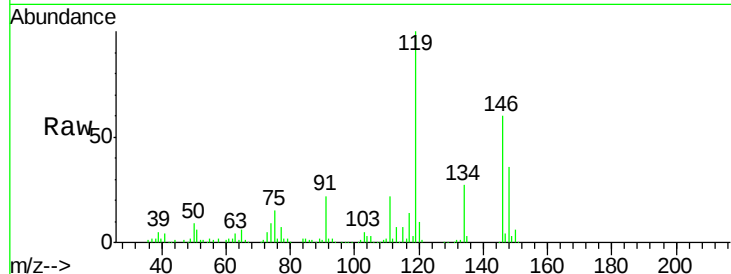
ClientSampled :

VN0610WBS02

Tot Ion:	146	Resp:	98088
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.5	55.5
148	61.9	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.674 ug/l

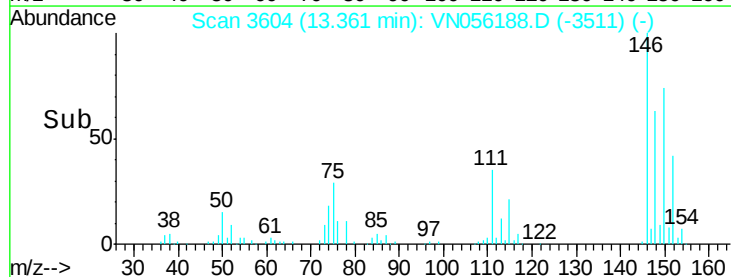
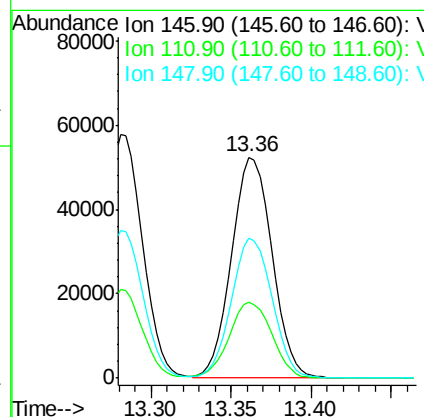
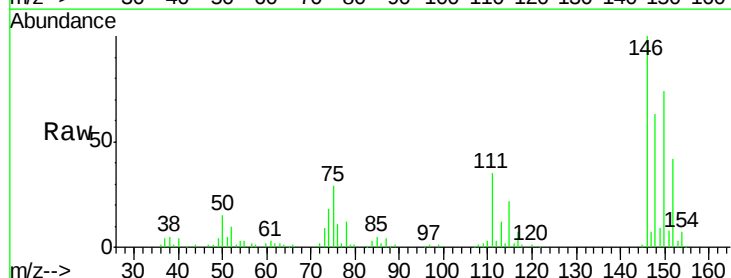
RT: 13.36 min Scan# 3604

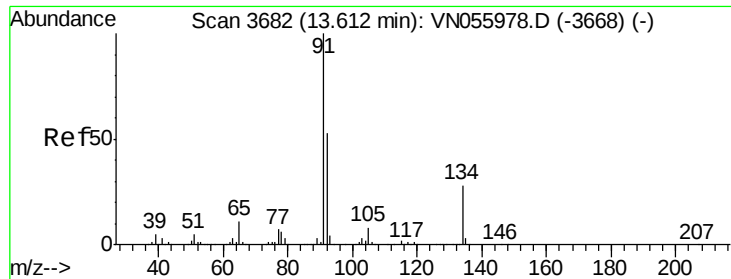
Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion:	146	Resp:	90678
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.1	54.4
148	63.7	32.1	96.5





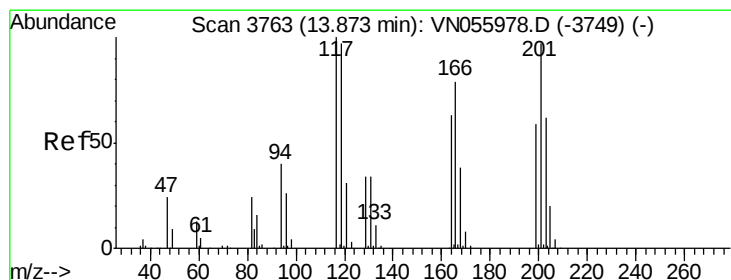
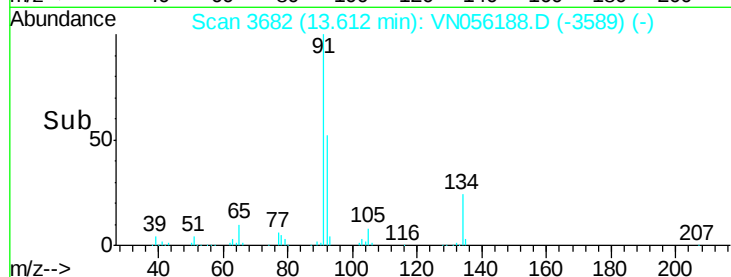
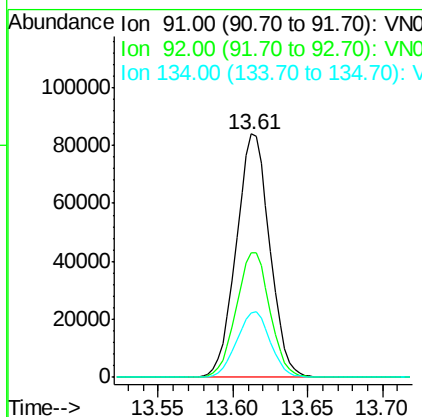
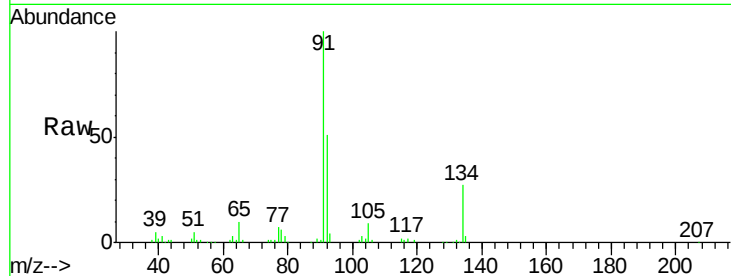
#89
n-Butylbenzene
Concen: 18.190 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.4	79.0
134	27.1	13.9	41.7

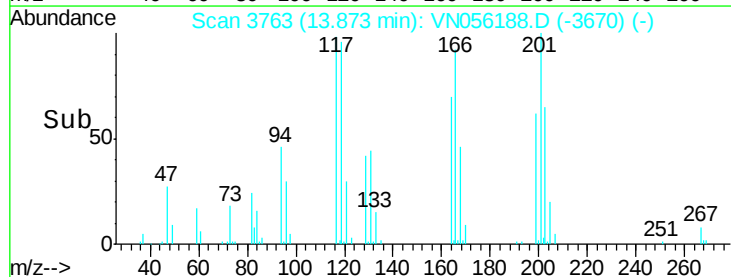
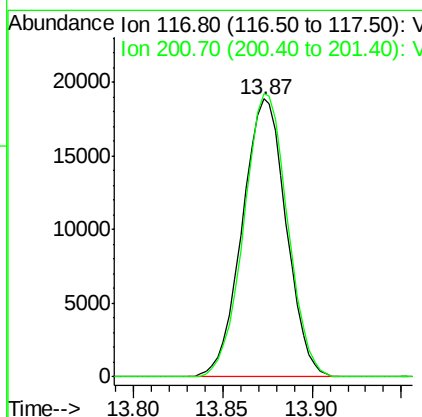
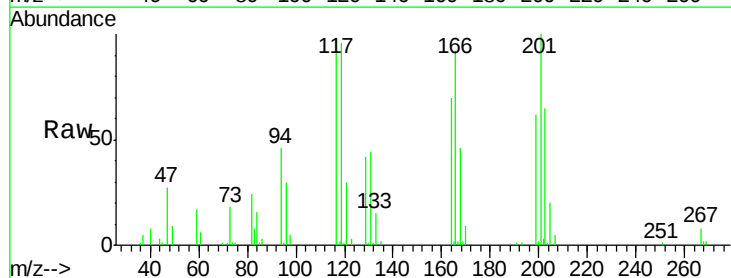
Manual Integrations
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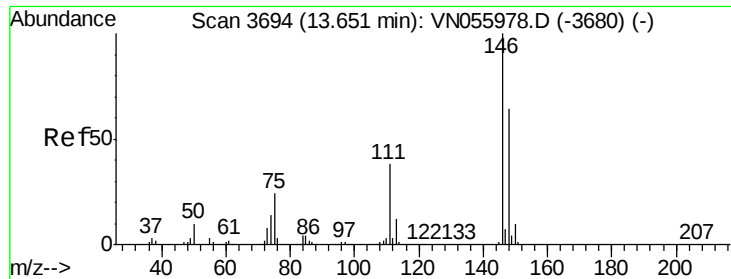
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#90
Hexachloroethane
Concen: 22.204 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056188.D
Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.8	50.0	150.0





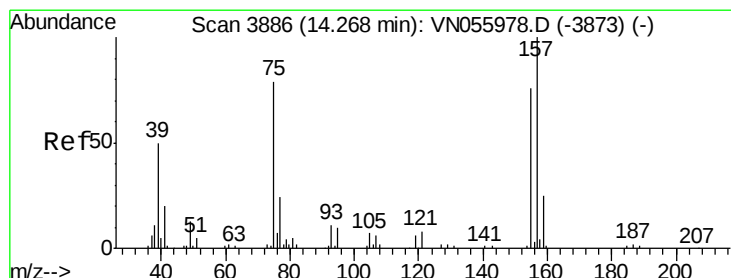
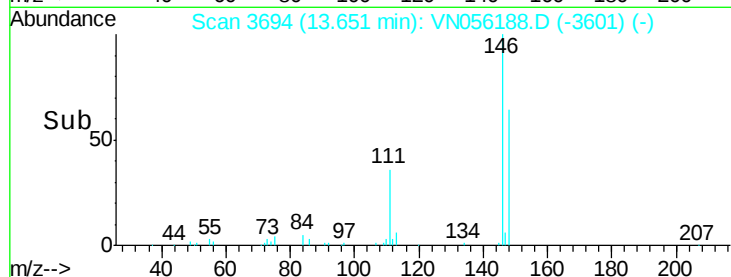
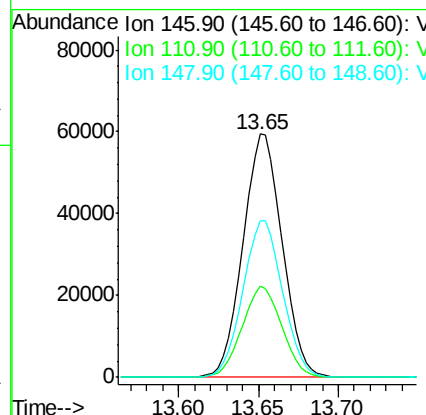
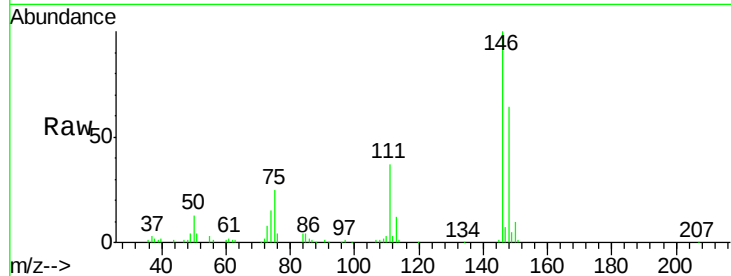
#91
 1,2-Dichlorobenzene
 Concen: 20.542 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	65.1	31.9	95.9

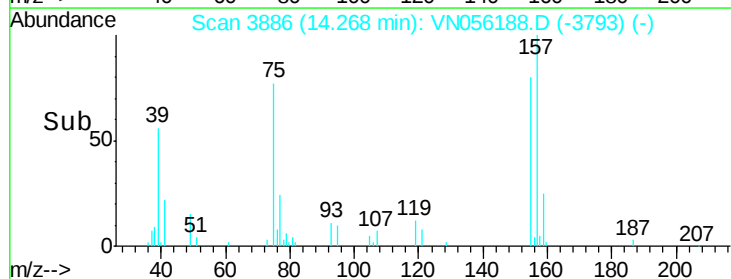
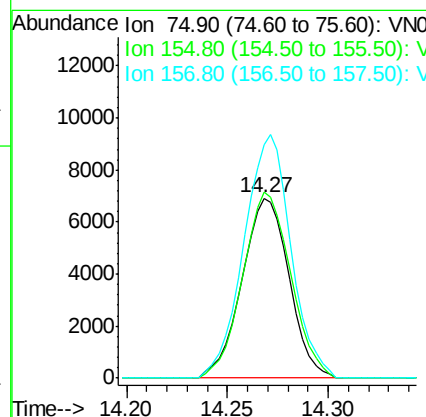
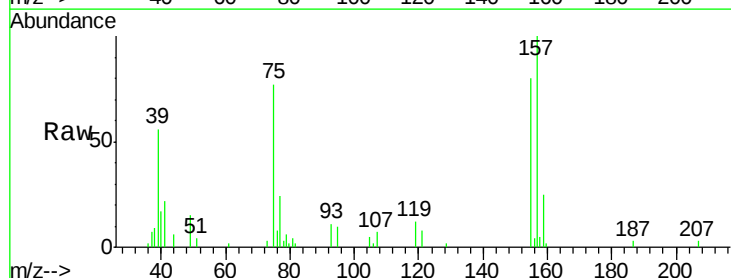
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.520 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.3	50.0	150.1
157	135.3	64.8	194.3





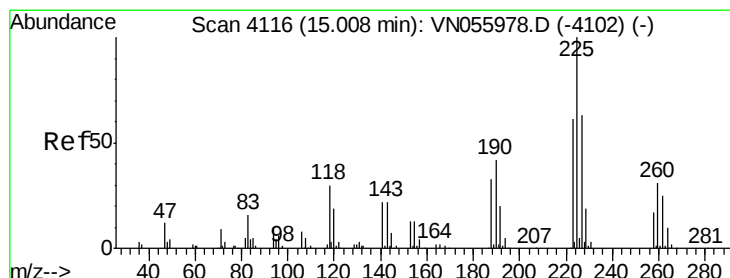
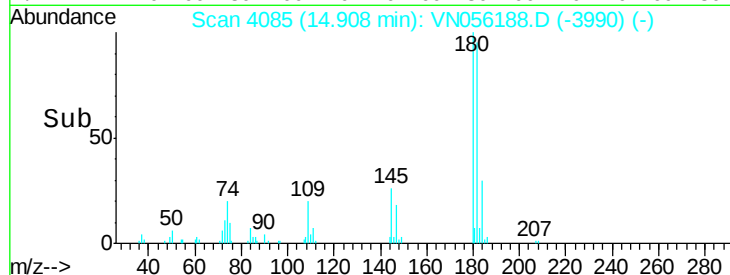
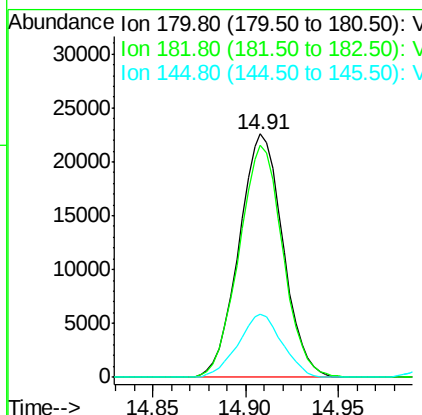
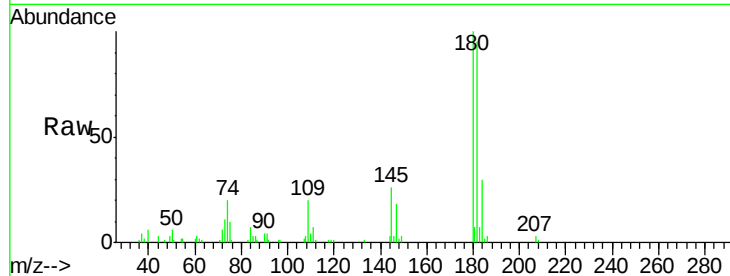
#93
 1,2,4-Trichlorobenzene
 Concen: 17.066 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	25.8	14.0	41.9

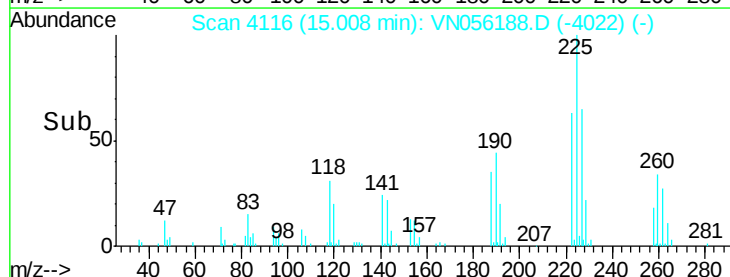
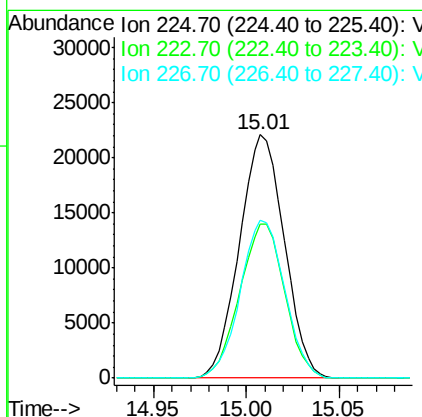
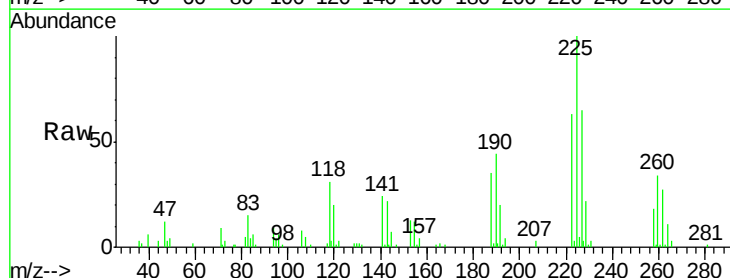
Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:59:34 AM



#94
 Hexachlorobutadiene
 Concen: 21.140 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056188.D
 Acq: 11 Jun 2019 00:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.9	92.7
227	64.2	31.6	94.7





#95

Naphthalene

Concen: 17.369 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Instrument :

MSVOA_N

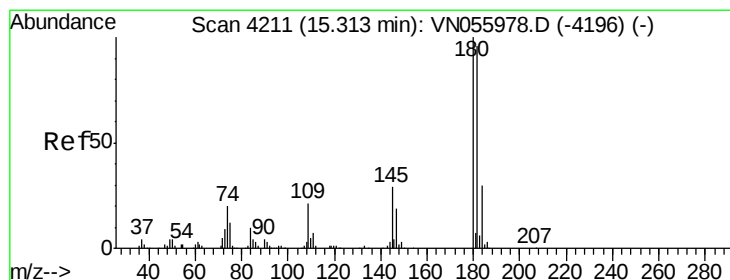
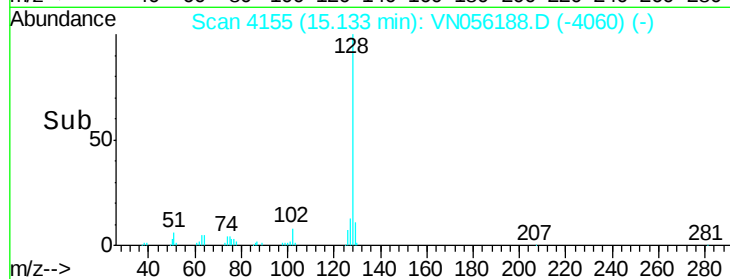
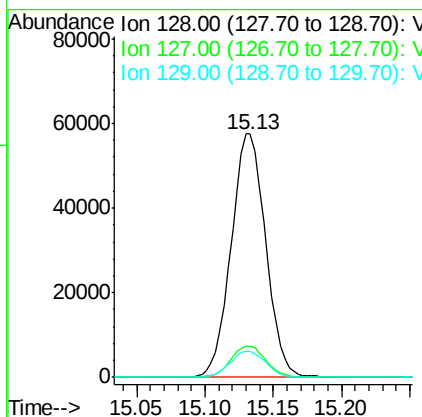
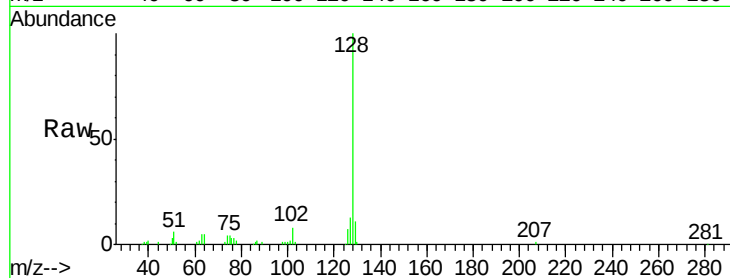
ClientSampleId :

VN0610WBS02

Tot Ion:	128	Resp:	101291
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 11:59:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.612 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056188.D

Acq: 11 Jun 2019 00:09

Tgt Ion:	180	Resp:	45059
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	28.7	14.9	44.7

