

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056586.D
 Acq On : 3 Jul 2019 14:35
 Operator : JC/SP
 Sample : VN0703WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0703WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:24 AM

Quant Time: Jul 03 22:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	49221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	274166	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	238139	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	102421	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	12.40	95	107679	29.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.10%
63) Toluene-d8	10.09	98	336600	30.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	51620	20.913	ug/l 96
3) Chloromethane	2.06	50	71198	19.874	ug/l 99
4) Vinyl Chloride	2.18	62	69947	20.745	ug/l 99
5) Bromomethane	2.53	94	43923m	24.415	ug/l
6) Chloroethane	2.68	64	38606	20.675	ug/l 95
7) Trichlorofluoromethane	3.00	101	93804	21.674	ug/l 94
8) Diethyl Ether	3.41	74	38471	20.956	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	56466	20.591	ug/l 94
10) 1,1-Dichloroethene	3.73	96	55640	20.680	ug/l 96
11) Methyl Iodide	3.95	142	74868	19.459	ug/l 98
12) Methyl Acetate	4.33	43	73865	20.357	ug/l 96
13) Acrolein	3.61	56	33972	95.892	ug/l 94
14) Acrylonitrile	4.99	53	168145	105.539	ug/l 100
15) Acetone	3.82	58	44946	101.109	ug/l 94
16) Carbon Disulfide	4.05	76	124337	19.219	ug/l 100
17) Allyl chloride	4.32	41	94046	19.974	ug/l 97
18) Methylene Chloride	4.55	84	63561	19.981	ug/l 89
19) trans-1,2-Dichloroethene	5.04	96	59265	20.309	ug/l 94
20) Diisopropyl ether	5.95	45	203055	20.874	ug/l 98
21) 1,1-Dichloroethane	5.85	63	112954	20.584	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	69565	20.272	ug/l 94
23) tert-Butyl Alcohol	4.80	59	63426	106.423	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	181969	20.448	ug/l 98
25) Chloroform	7.37	83	110663	20.575	ug/l 99
26) Cyclohexane	7.65	56	103087	20.396	ug/l # 94
29) 1,1-Dichloropropene	7.79	75	81129	20.039	ug/l 98
30) 2-Butanone	6.84	43	222980	99.349	ug/l # 93
31) 2,2-Dichloropropane	6.82	77	70773	18.180	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	86429	20.025	ug/l 98
33) Carbon Tetrachloride	7.77	117	72429	19.796	ug/l 99
34) Benzene	8.04	78	260696	20.592	ug/l 99
35) Methacrylonitrile	7.18	41	39109	19.621	ug/l 96
36) 1,2-Dichloroethane	8.12	62	84638	20.570	ug/l 96
37) Trichloroethene	8.83	130	67502	20.444	ug/l 95
38) Methylcyclohexane	9.08	83	101660	20.037	ug/l 99
39) 1,2-Dichloropropane	9.12	63	71291	20.919	ug/l 97
40) Dibromomethane	9.21	93	43318	20.563	ug/l 93

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 Sample : VN0703WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0703WBSD01

Manual Integrations
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MMDadoda
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Quant Time: Jul 03 22:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	77161	19.763	ug/l	100
42) Vinyl Acetate	5.90	43	815406	102.033	ug/l	98
43) Ethyl Acetate	6.93	43	88450	20.372	ug/l	96
44) Isopropyl Acetate	8.17	43	136032	20.082	ug/l #	86
45) 1,4-Dioxane	9.20	88	28067	423.467	ug/l	87
46) Methyl methacrylate	9.20	41	67304	20.222	ug/l	94
47) n-amyl Acetate	12.07	43	110068	19.549	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	80340	19.199	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	94546	19.589	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	63814	20.563	ug/l	96
51) Ethyl methacrylate	10.43	69	99497	20.356	ug/l	94
52) 1,3-Dichloropropane	10.71	76	109060	20.681	ug/l	99
53) Dibromochloromethane	10.90	129	58317	19.172	ug/l	100
54) 1,2-Dibromoethane	11.00	107	65059	20.119	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	248947	99.953	ug/l	98
56) Bromoform	12.13	173	40353	18.257	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	445041	103.941	ug/l	97
59) 2-Hexanone	10.75	43	321239	101.107	ug/l	98
61) Tetrachloroethene	10.63	164	62769	21.000	ug/l	98
62) Toluene	10.16	91	275240	20.709	ug/l	100
64) Chlorobenzene	11.43	112	163223	20.385	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	59161	20.515	ug/l	98
66) Ethyl Benzene	11.51	91	289776	20.108	ug/l	98
67) m/p-Xylenes	11.62	106	218630	41.110	ug/l	95
68) o-Xylene	11.95	106	107750	20.487	ug/l	97
69) Styrene	11.96	104	175638	20.071	ug/l	98
70) Isopropylbenzene	12.25	105	281285	20.498	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	92315	20.348	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	75282m	19.732	ug/l	
73) Bromobenzene	12.53	156	71724	20.266	ug/l	90
74) n-propylbenzene	12.59	91	309571	19.884	ug/l	97
75) 2-Chlorotoluene	12.67	91	189249	20.329	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	236274	20.333	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	21834	17.867	ug/l	98
78) 4-Chlorotoluene	12.77	91	183576	20.276	ug/l	96
79) tert-butylbenzene	12.99	119	202622	20.409	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	231239	20.148	ug/l	98
81) sec-Butylbenzene	13.17	105	264485	20.089	ug/l	98
82) p-Isopropyltoluene	13.29	119	236191	19.954	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	116458	19.815	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	109496	19.313	ug/l	99
85) n-Butylbenzene	13.61	91	187707	18.870	ug/l	97
86) Hexachloroethane	13.87	117	32768	18.359	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	117494	19.686	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14937	18.374	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	56508	17.129	ug/l	99
90) Hexachlorobutadiene	15.01	225	40079	19.554	ug/l	98
91) Naphthalene	15.13	128	160303	17.316	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	62309	17.992	ug/l	99

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Acq On : 3 Jul 2019 14:35
Operator : JC/SP
Sample : VN0703WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Manual Integrations
APPROVED

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Quant Time: Jul 03 22:33:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

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

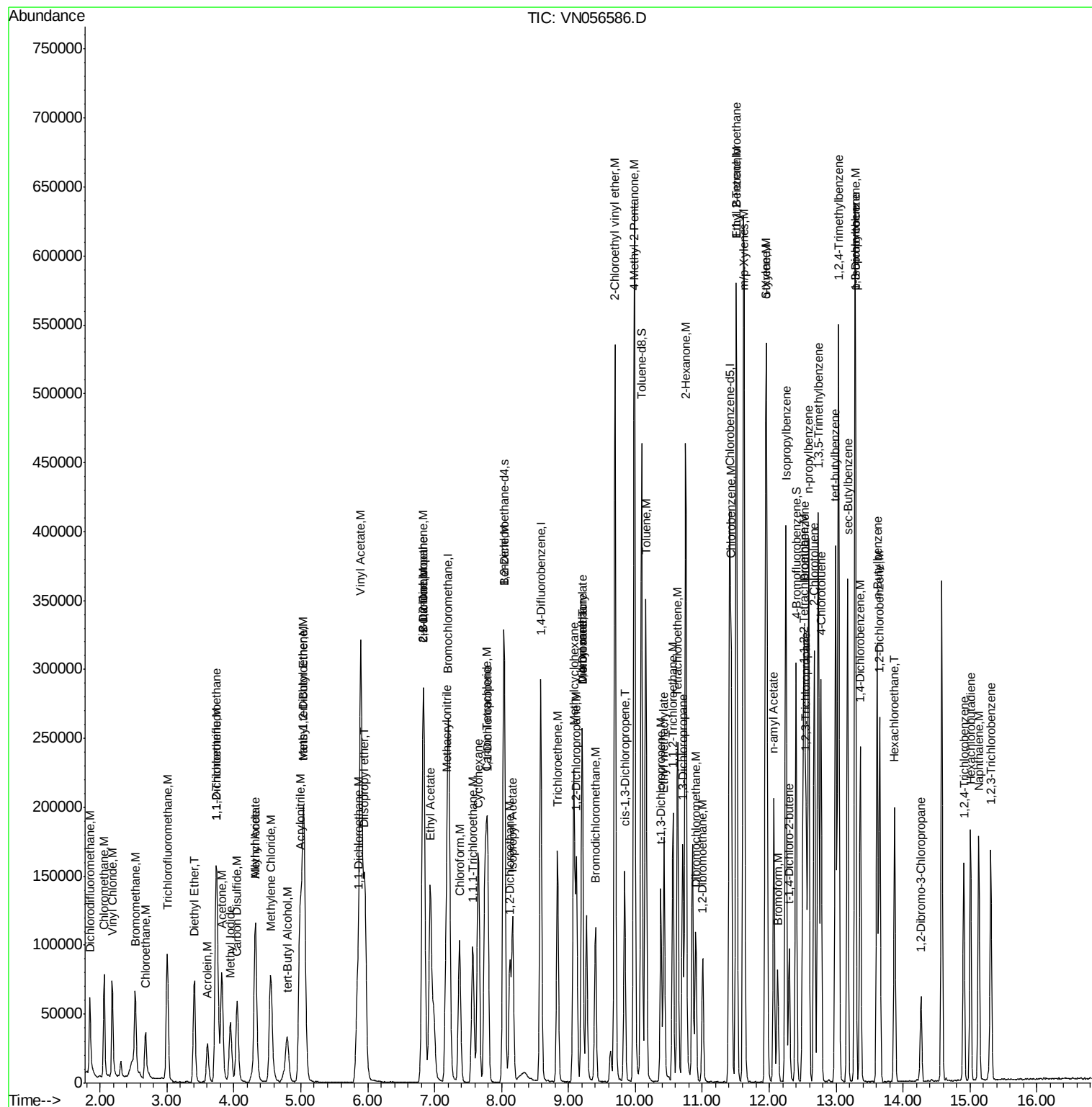
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Data File : VN056586.D
Acq On : 3 Jul 2019 14:35
Operator : JC/SP
Sample : VN0703WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

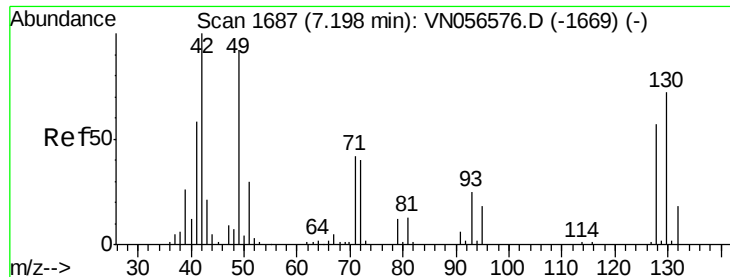
Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Manual Integrations
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Quant Time: Jul 03 22:33:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
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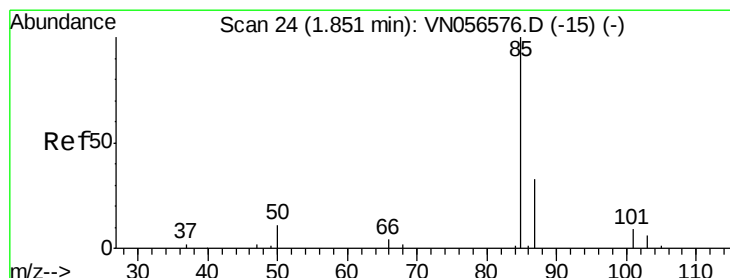
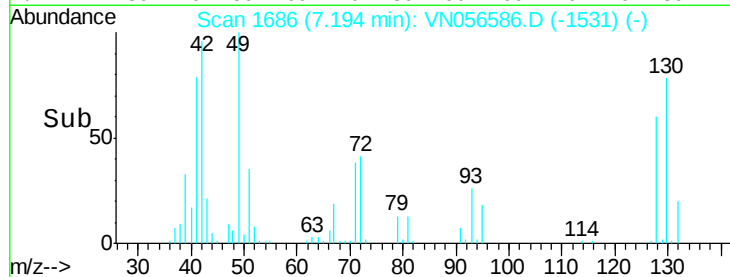
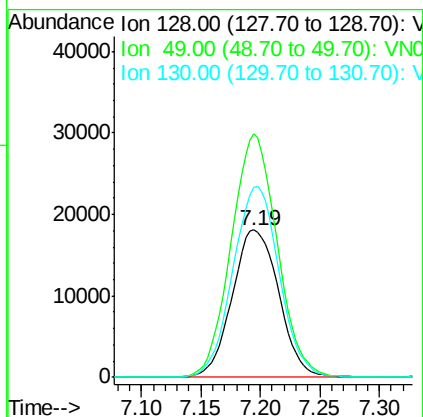
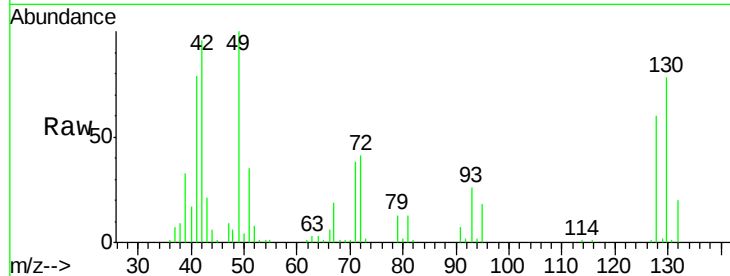
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	162.6	0.0	355.8
130	128.3	0.0	326.3

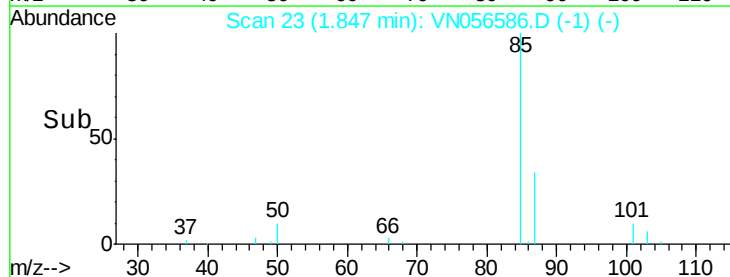
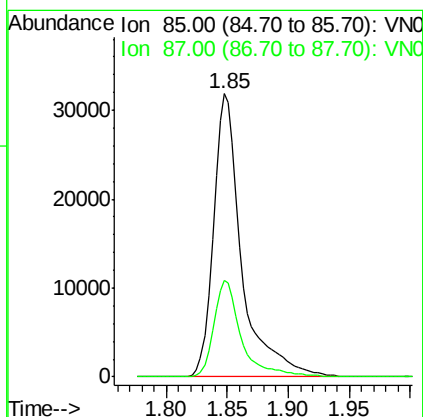
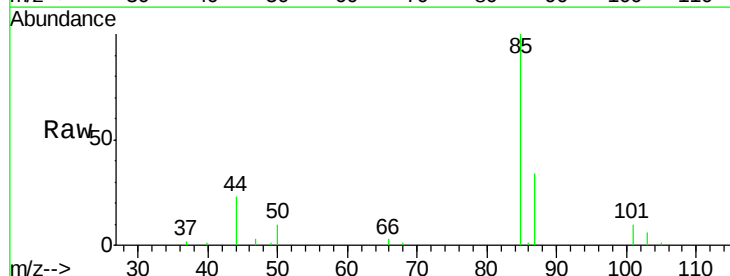
Manual Integrations
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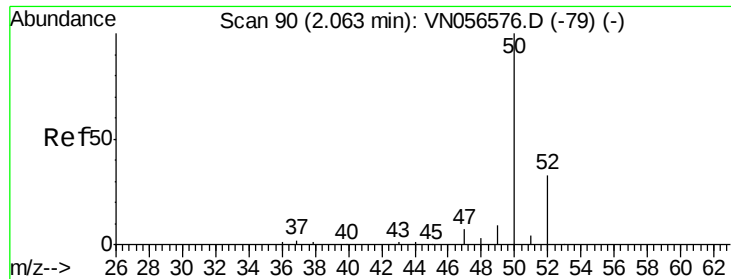
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#2
 Dichlorodifluoromethane
 Concen: 20.913 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.9	15.9	47.7





#3

Chloromethane

Concen: 19.874 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

VN0703WBSD01

Tot Ion: 50 Resp: 71198

Ion Ratio Lower Upper

50 100

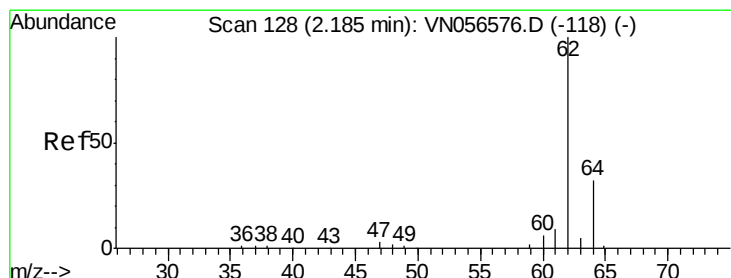
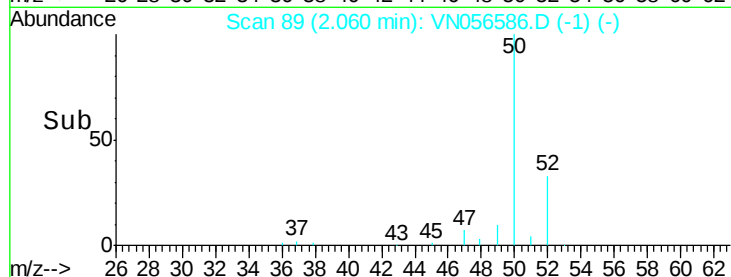
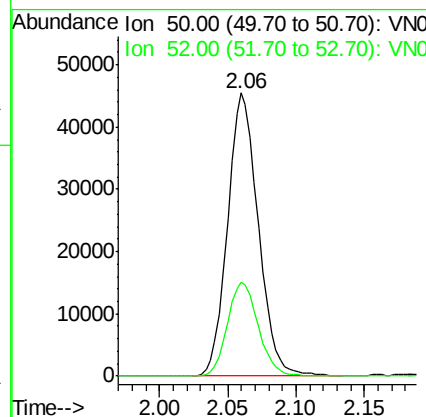
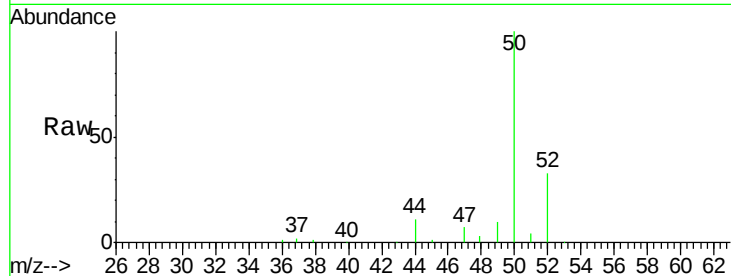
52 33.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.745 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056586.D

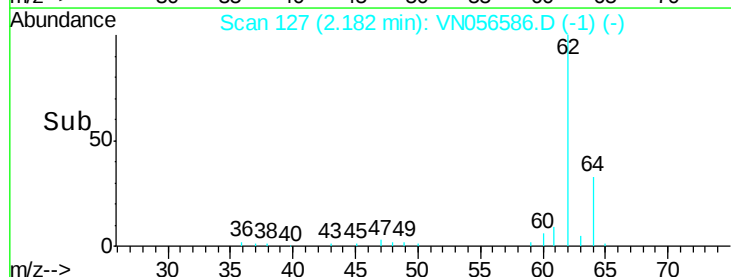
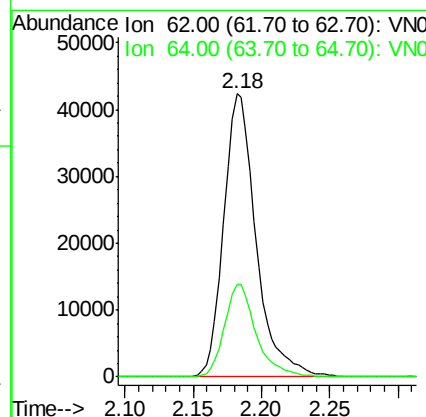
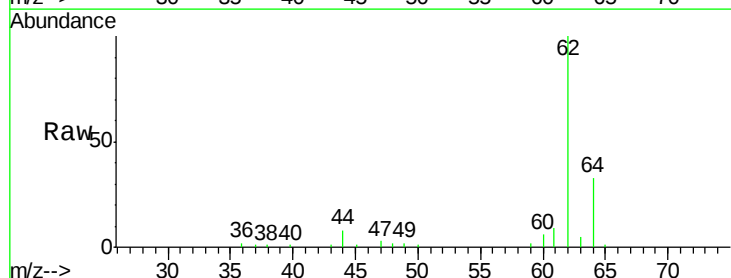
Acq: 3 Jul 2019 14:35

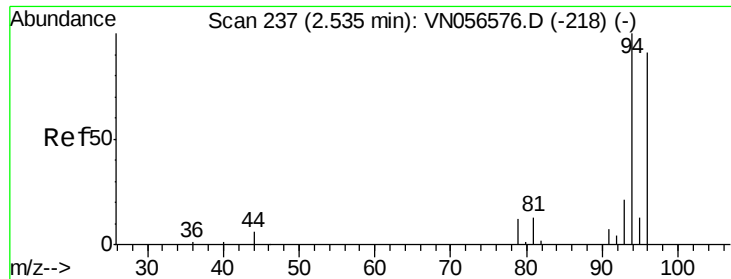
Tgt Ion: 62 Resp: 69947

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 24.415 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Tot Ion: 94 Resp: 43923

Ion Ratio Lower Upper

94 100

96 91.2 74.1 111.1

Instrument :

MSVOA_N

ClientSampleId :

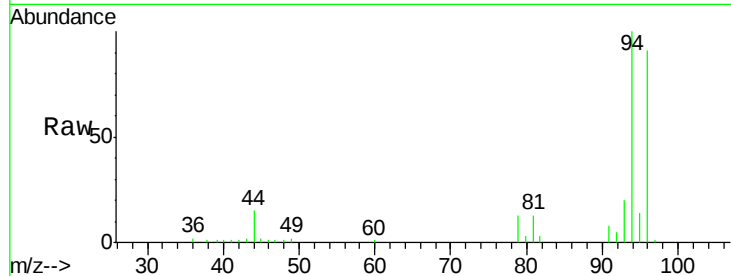
VN0703WBSD01

Manual Integrations

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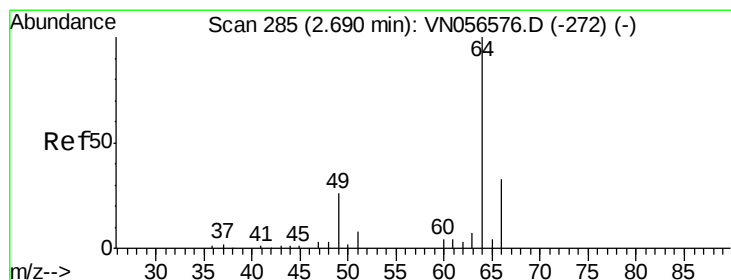
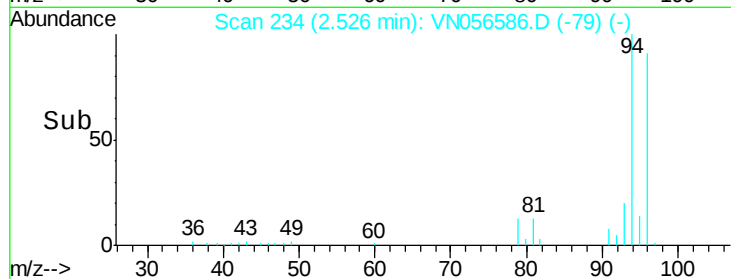
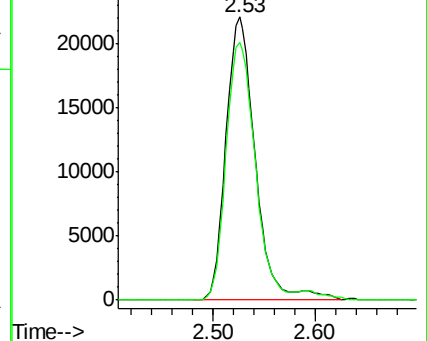
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.675 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN056586.D

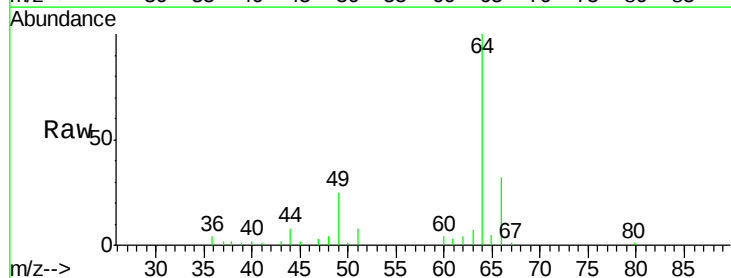
Acq: 3 Jul 2019 14:35

Tgt Ion: 64 Resp: 38606

Ion Ratio Lower Upper

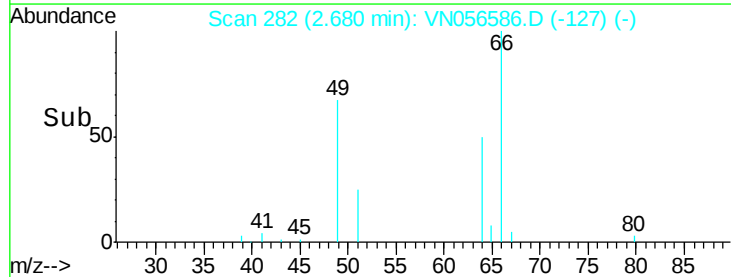
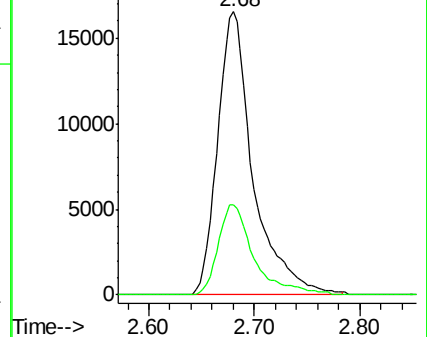
64 100

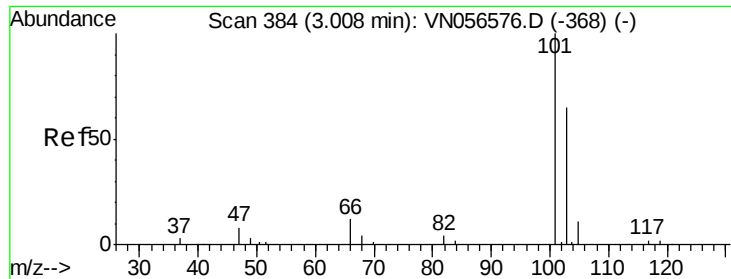
66 32.0 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

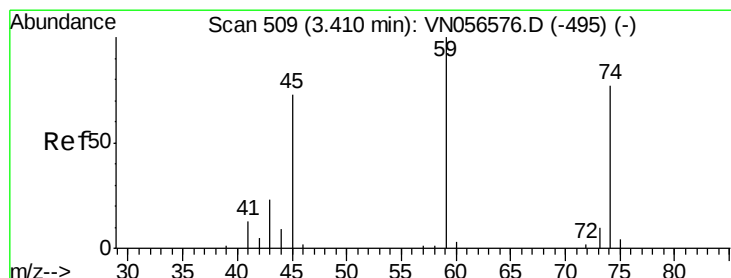
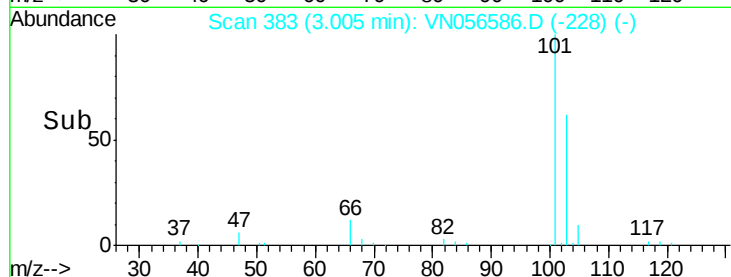
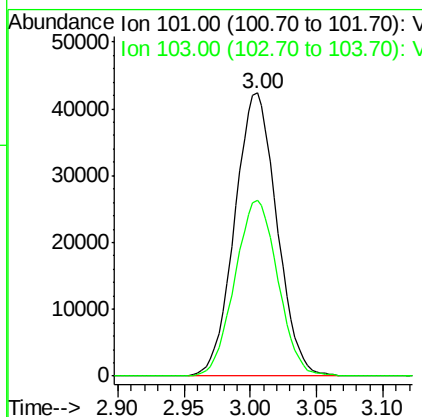
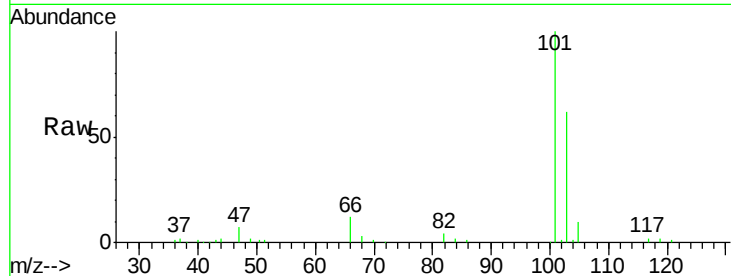
Trichlorofluoromethane
 Concen: 21.674 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Tot Ion:101 Resp: 93804
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.4 80.0

Manual Integrations
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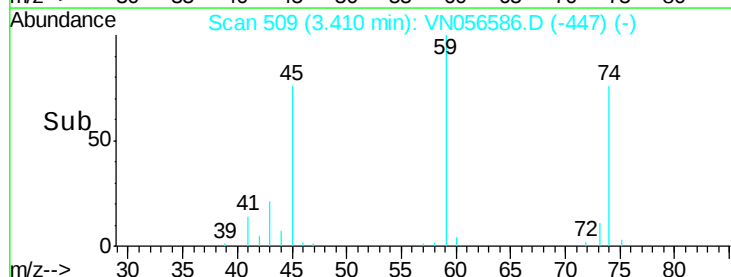
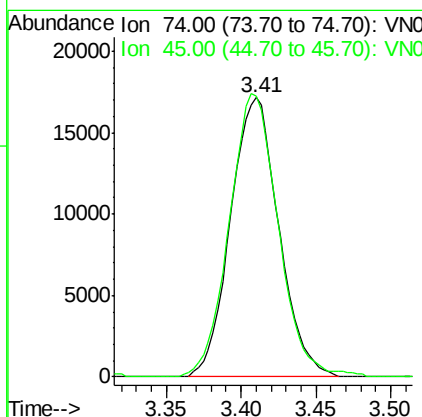
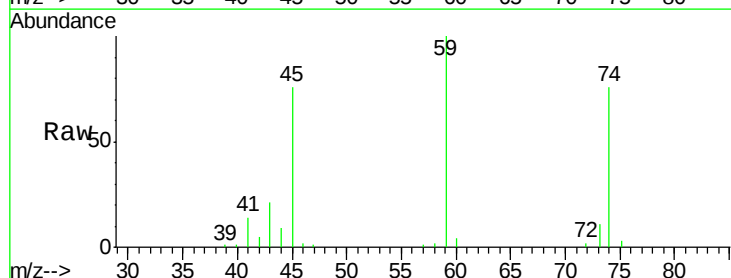
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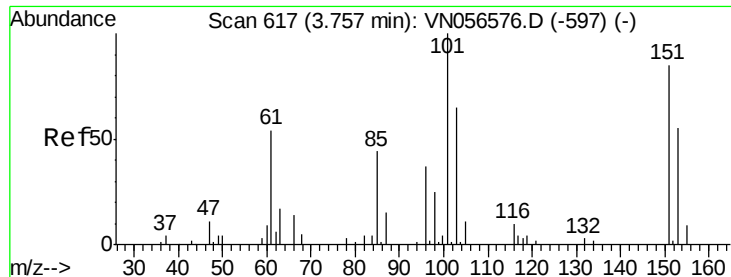


#8

Diethyl Ether
 Concen: 20.956 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion: 74 Resp: 38471
 Ion Ratio Lower Upper
 74 100
 45 102.4 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.591 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

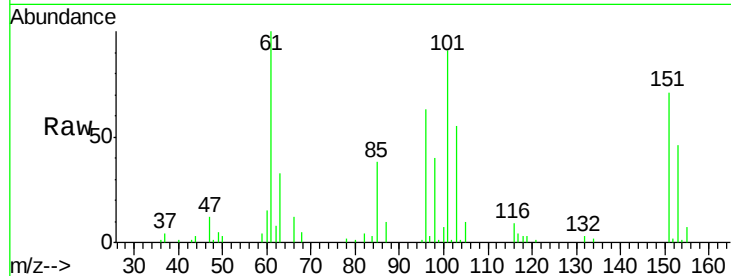
ClientSampleId :

VN0703WBSD01

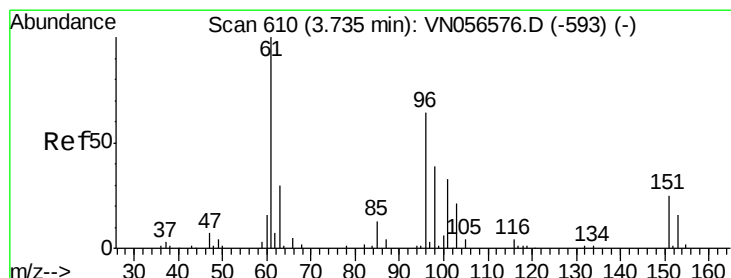
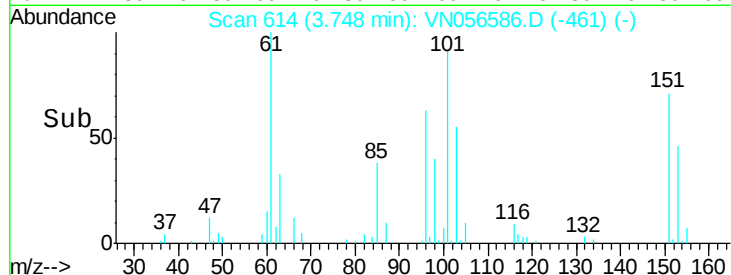
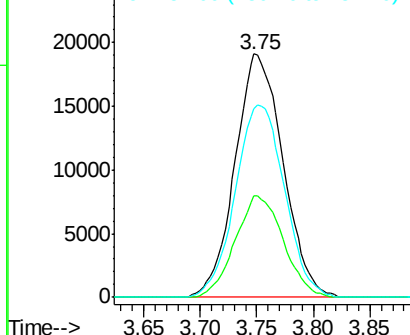
Tot Ion:	101	Resp:	56466
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	82.0
151	81.0	0.0	177.0

Manual Integrations
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7/8/2019 10:05:24 AM



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



#10

1,1-Dichloroethene

Concen: 20.680 ug/l

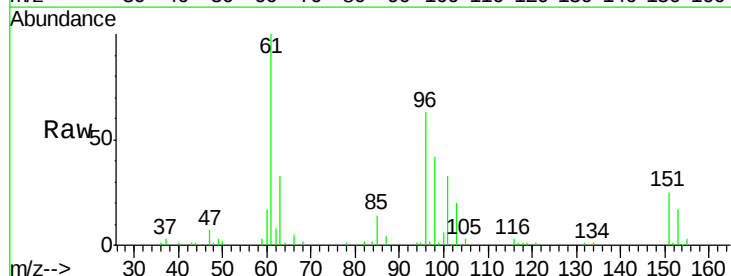
RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

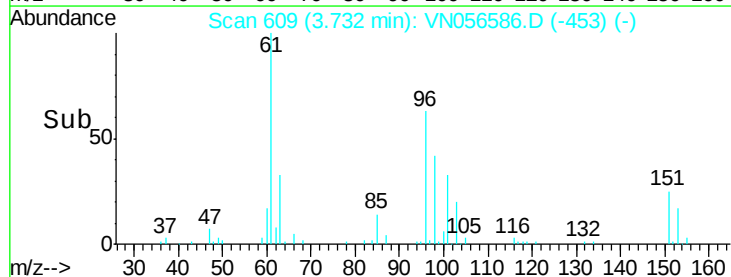
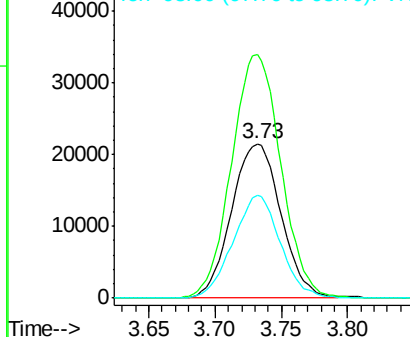
Lab File: VN056586.D

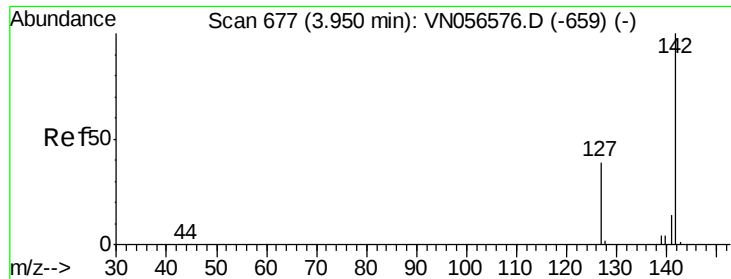
Acq: 3 Jul 2019 14:35

Tgt Ion:	96	Resp:	55640
Ion Ratio	Lower	Upper	
96	100		
61	156.7	119.7	179.5
98	66.9	52.3	78.5



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





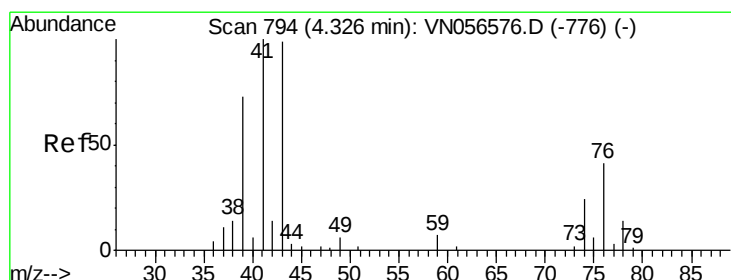
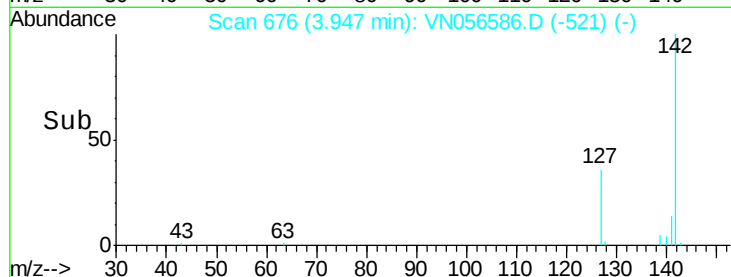
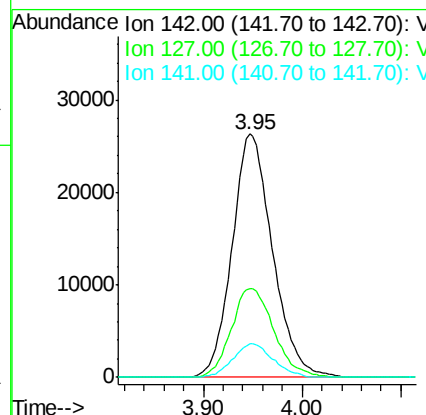
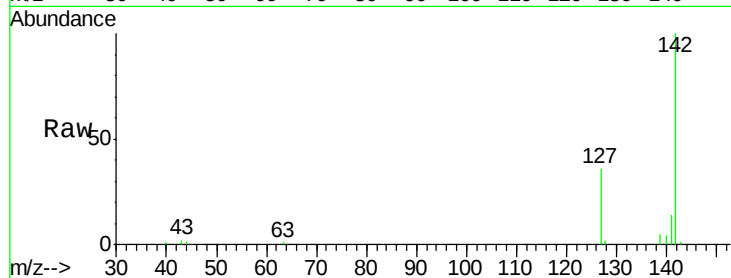
#11
Methyl Iodide
Concen: 19.459 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.4	19.0	57.0
141	13.7	6.7	20.0

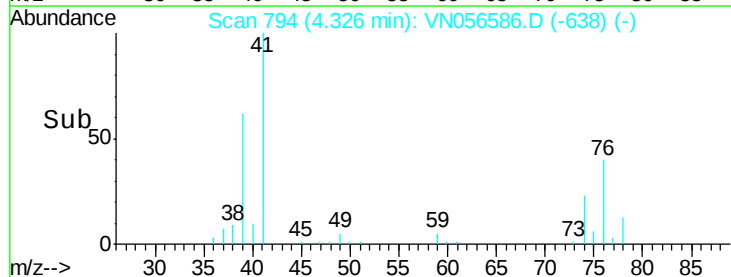
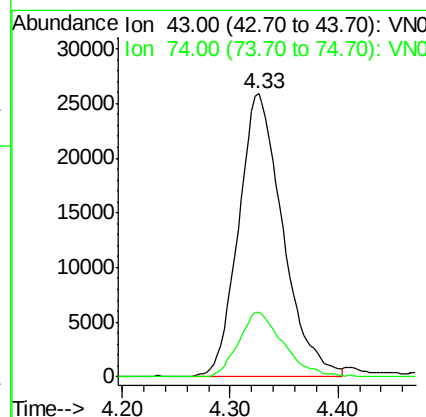
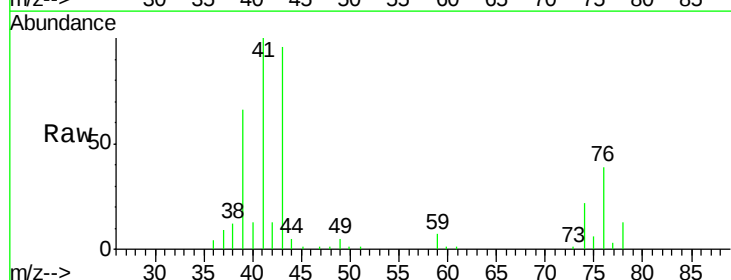
Manual Integrations
APPROVED

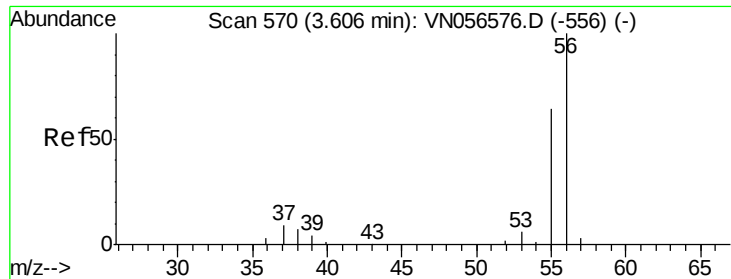
MMDadoda
7/8/2019 10:05:24 AM



#12
Methyl Acetate
Concen: 20.357 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.9	29.9





#13

Acrolein

Concen: 95.892 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0703WBSD01

Tot Ion: 56 Resp: 33972

Ion Ratio Lower Upper

56 100

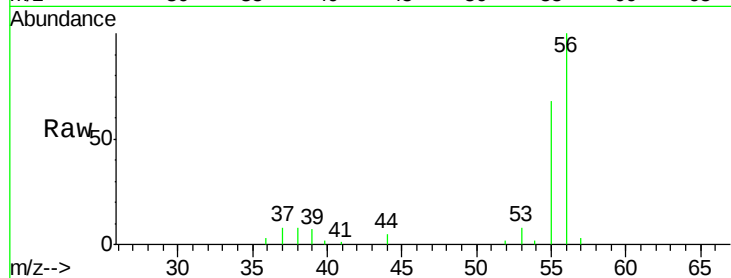
55 67.1 57.9 86.9

Manual Integrations

APPROVED

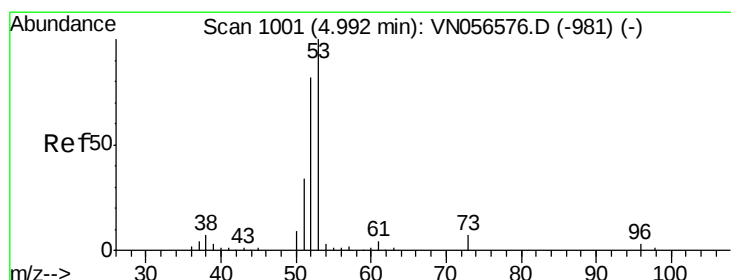
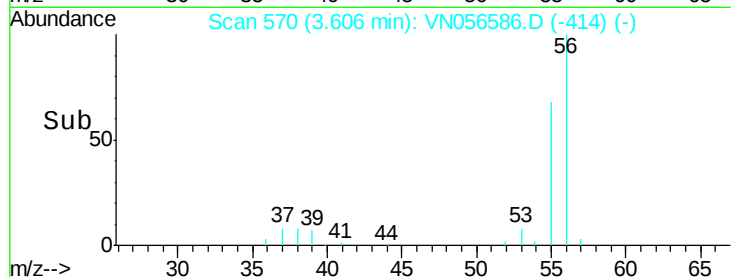
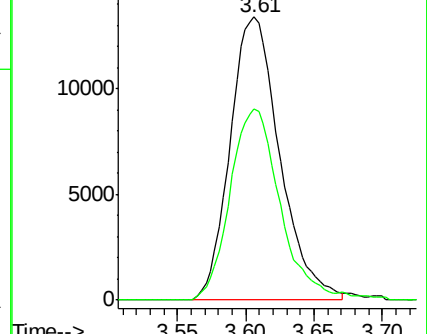
MMDadoda

7/8/2019 10:05:24 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 105.539 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

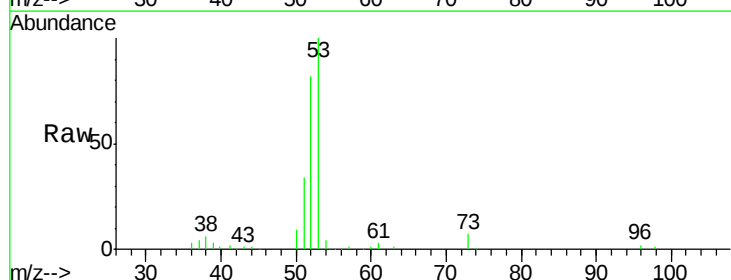
Tgt Ion: 53 Resp: 168145

Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.2

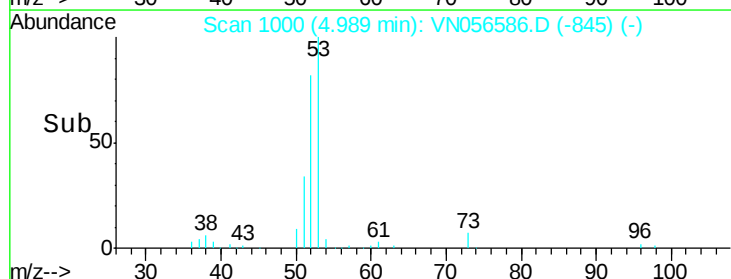
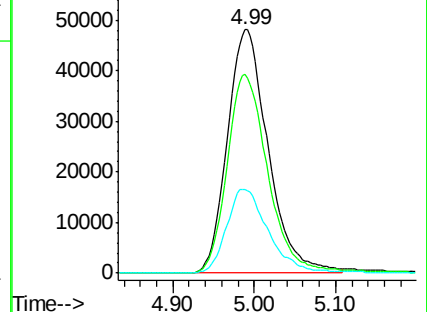
51 34.9 17.3 52.0

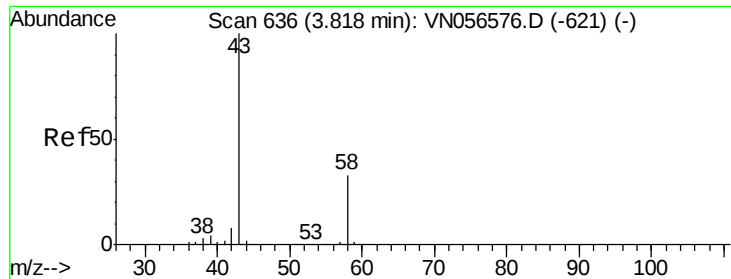


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 101.109 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0703WBSD01

Tot Ion: 58 Resp: 44946

Ion Ratio Lower Upper

58 100

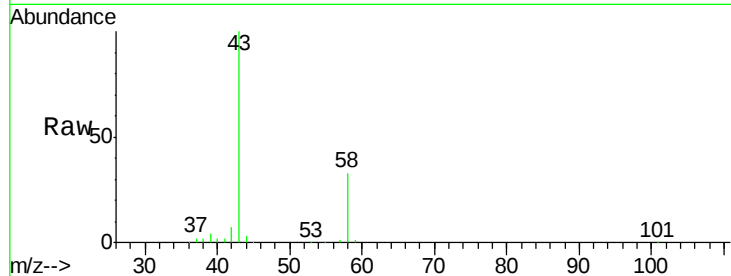
43 302.2 232.5 348.7

Manual Integrations

APPROVED

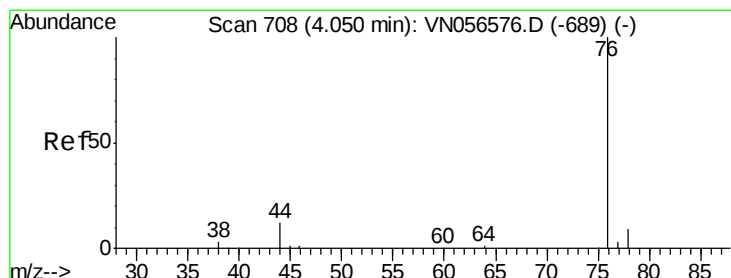
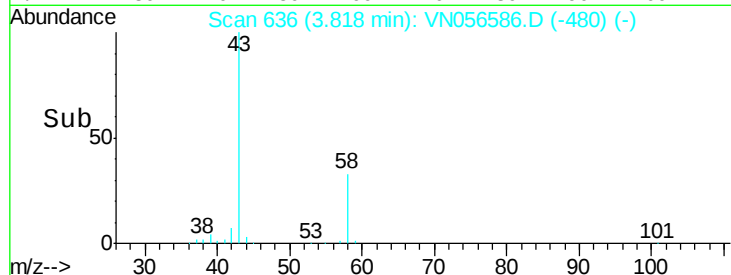
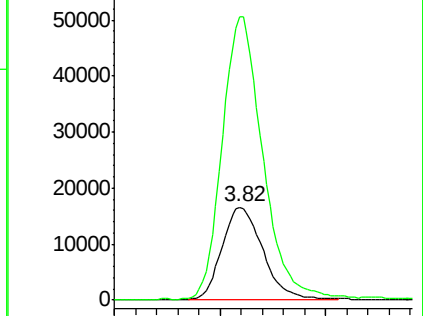
MMDadoda

7/8/2019 10:05:24 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.219 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056586.D

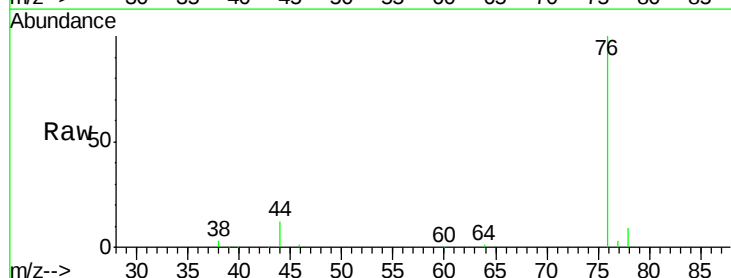
Acq: 3 Jul 2019 14:35

Tgt Ion: 76 Resp: 124337

Ion Ratio Lower Upper

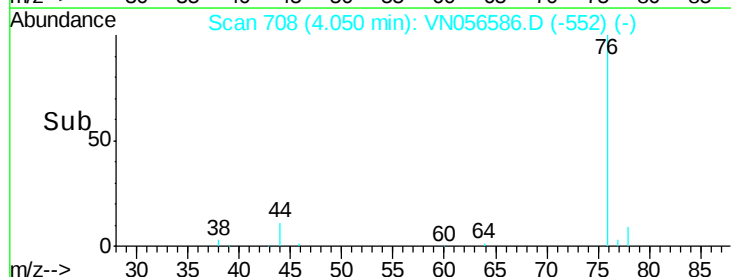
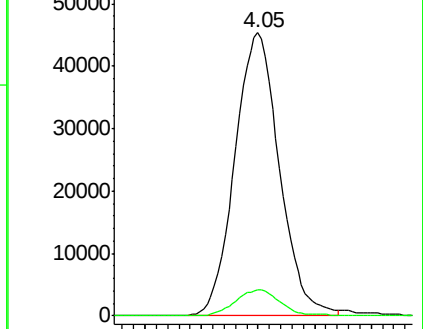
76 100

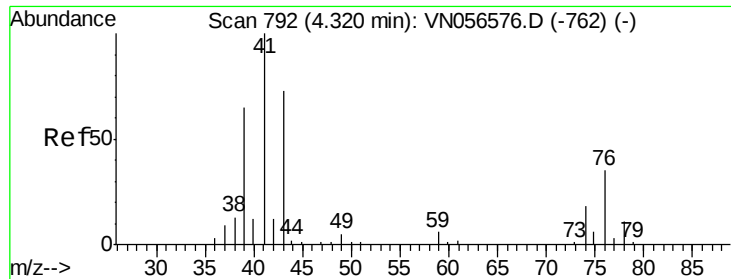
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





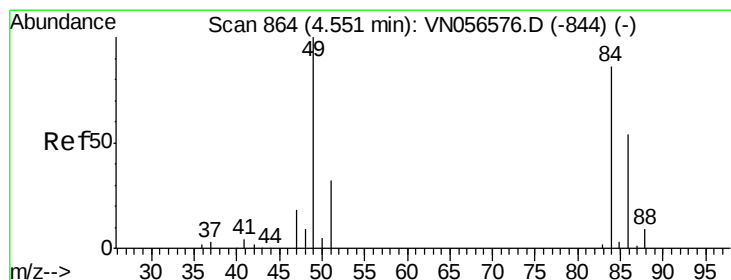
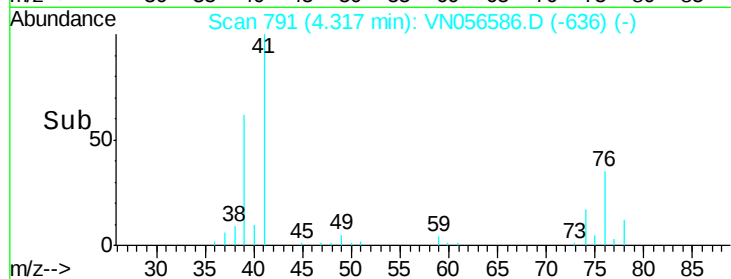
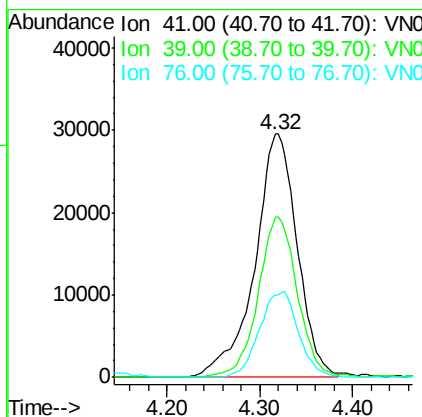
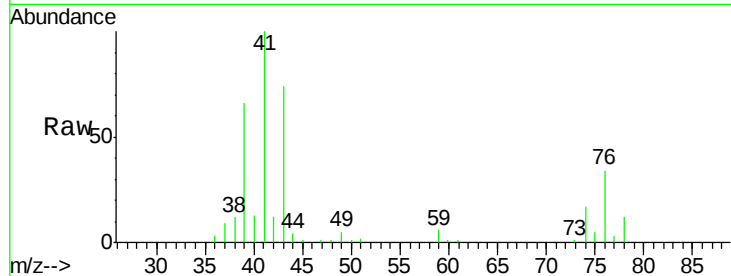
#17
Allvl chloride
Concen: 19.974 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion:	41	Resp:	94046
Ion Ratio	Lower	Upper	
41	100		
39	65.9	33.0	99.0
76	33.7	18.9	56.9

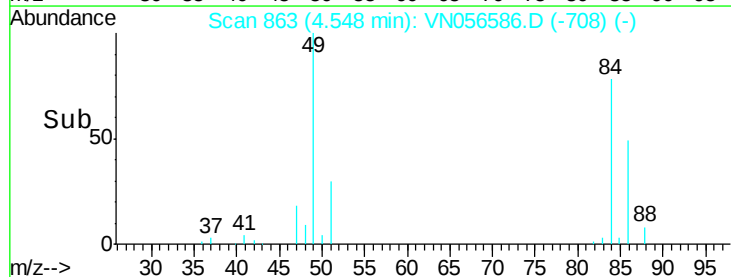
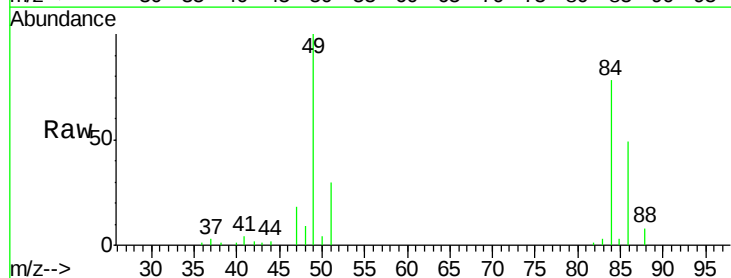
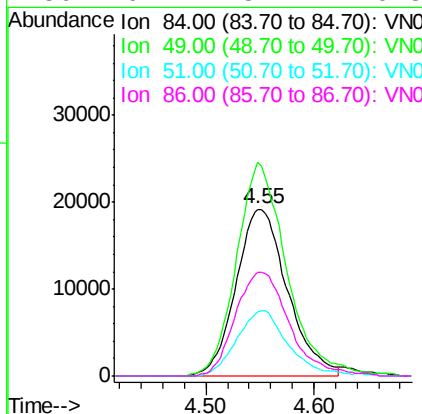
Manual Integrations
APPROVED

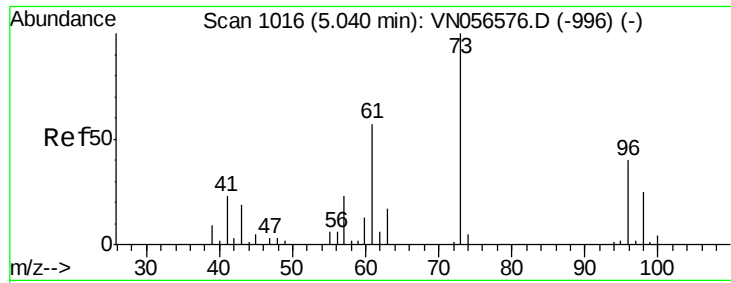
MMDadoda
7/8/2019 10:05:24 AM



#18
Methylene Chloride
Concen: 19.981 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion:	84	Resp:	63561
Ion Ratio	Lower	Upper	
84	100		
49	127.1	87.6	131.4
51	38.0	27.0	40.4
86	62.4	51.2	76.8





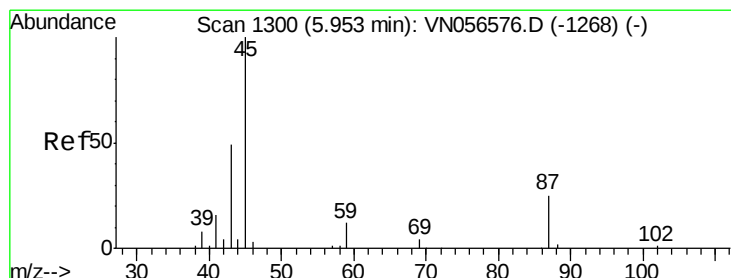
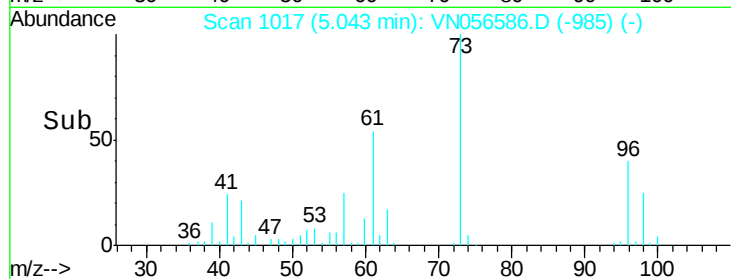
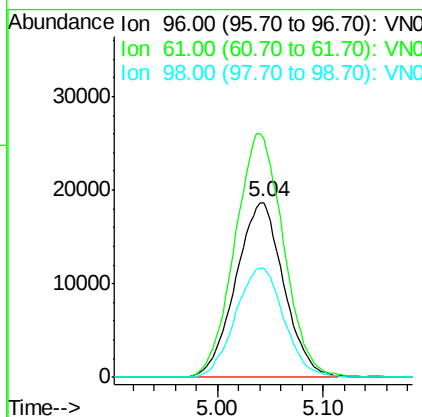
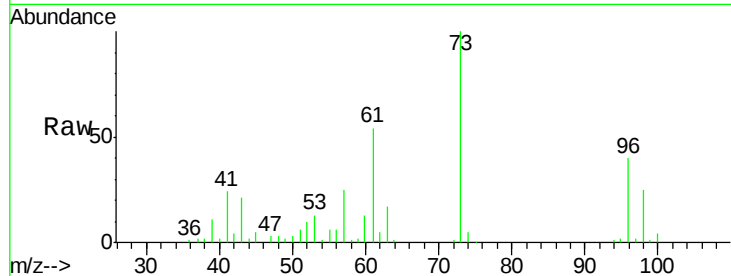
#19
trans-1,2-Dichloroethene
Concen: 20.309 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	102.5	153.7
98	62.3	46.9	70.3

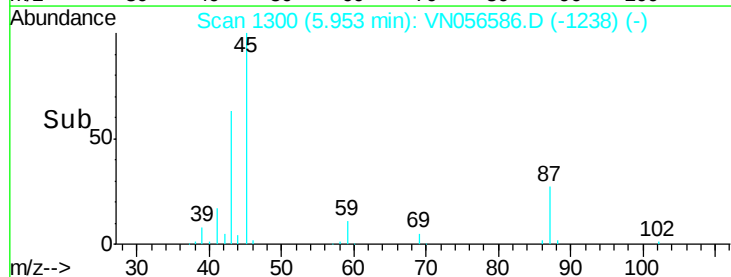
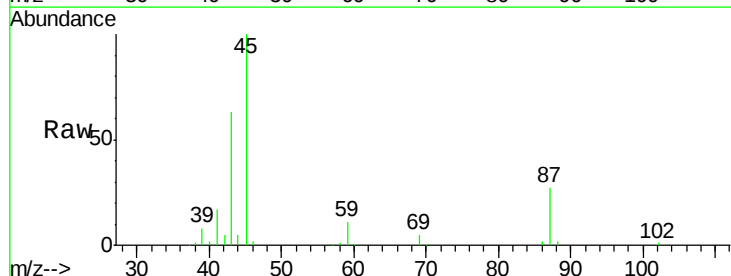
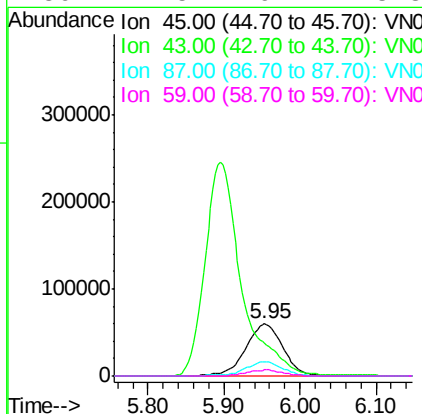
Manual Integrations
APPROVED

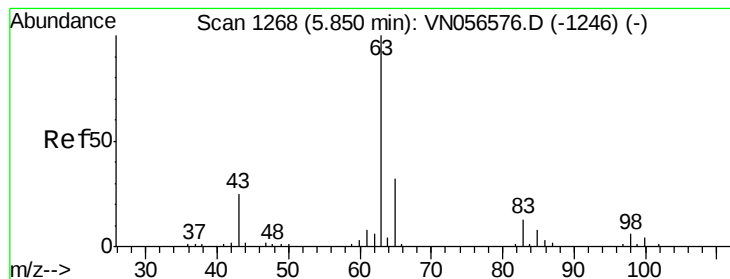
MMDadoda
7/8/2019 10:05:24 AM



#20
Diisopropyl ether
Concen: 20.874 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.0	72.0
87	27.3	23.4	35.2
59	11.5	9.2	13.8





#21

1,1-Dichloroethane

Concen: 20.584 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

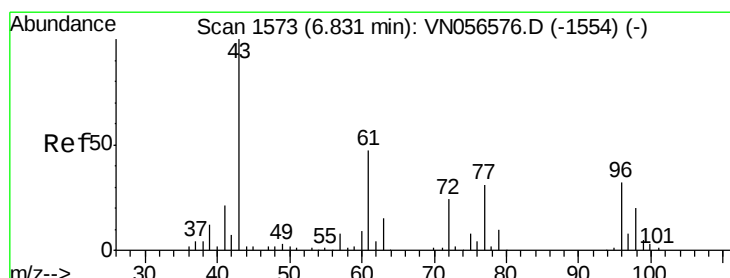
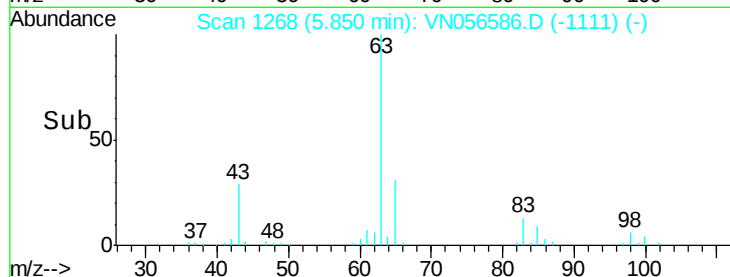
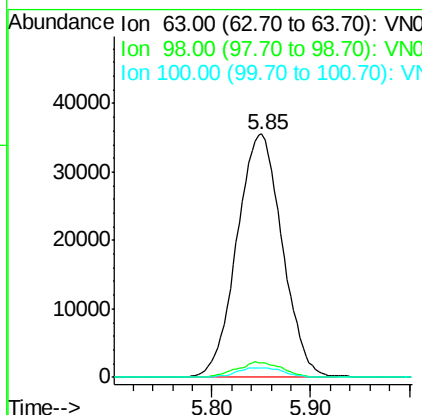
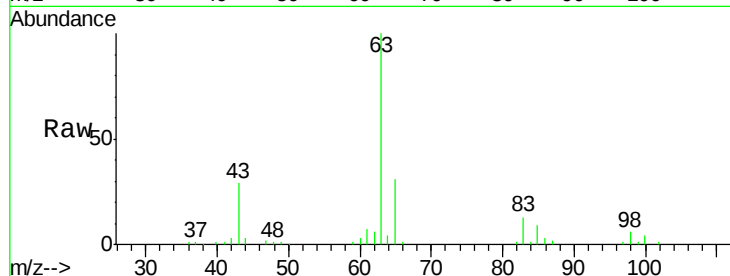
ClientSampleId :

VN0703WBSD01

Tot Ion:	63	Resp:	112954
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.5	10.5
100	4.0	2.3	6.9

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:24 AM



#22

cis-1,2-Dichloroethene

Concen: 20.272 ug/l

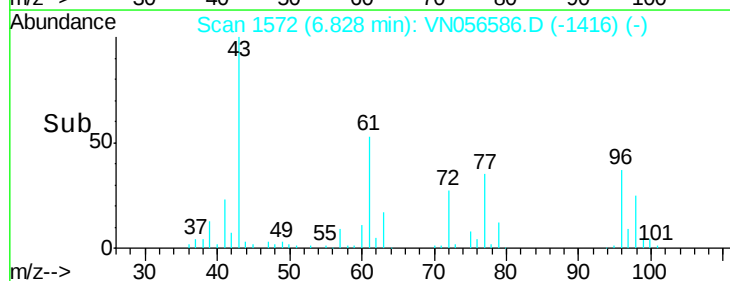
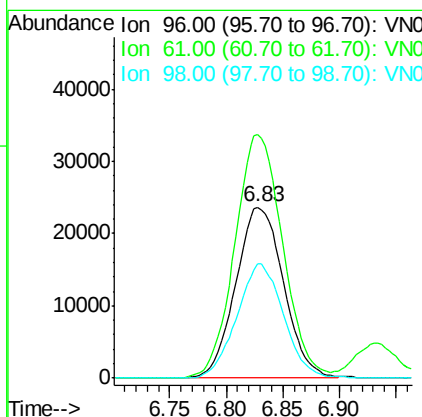
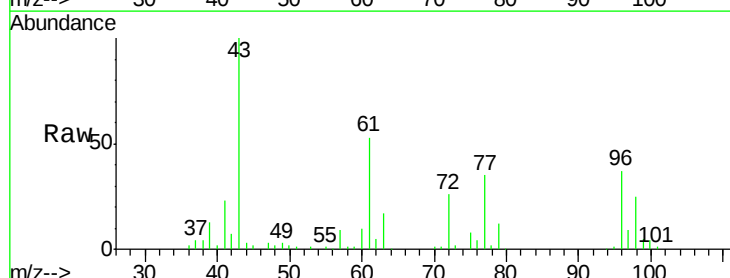
RT: 6.83 min Scan# 1572

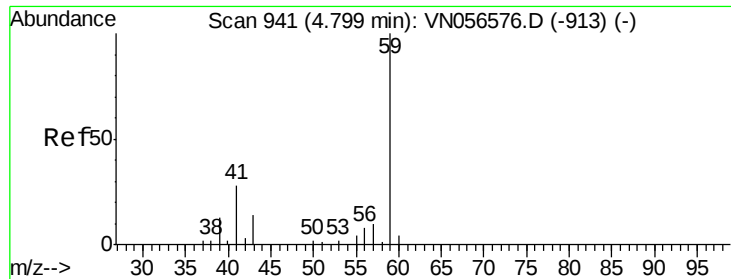
Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Tgt Ion:	96	Resp:	69565
Ion	Ratio	Lower	Upper
96	100		
61	142.2	105.7	158.5
98	65.0	52.0	78.0





#23

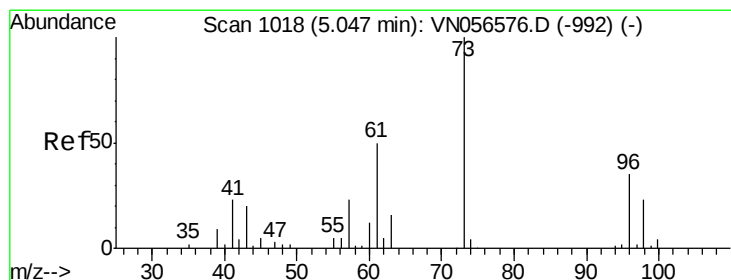
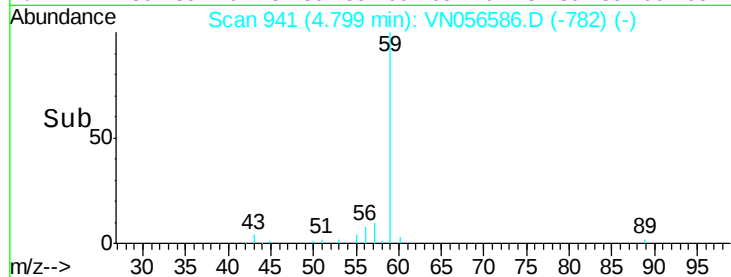
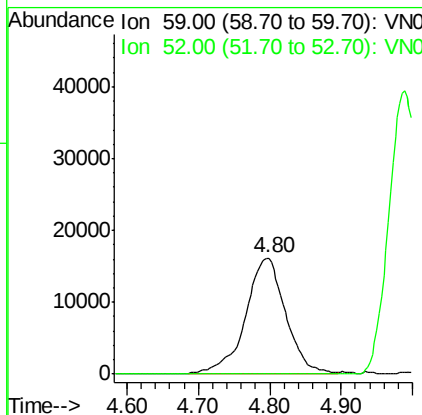
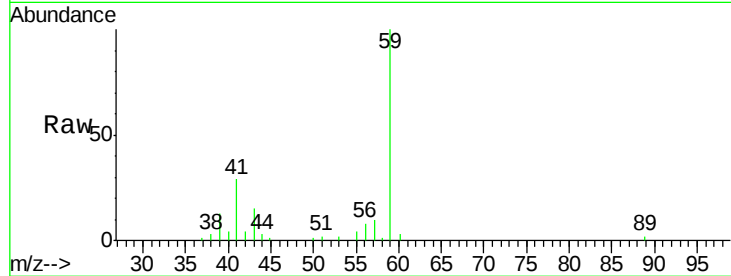
tert-Butyl Alcohol
 Concen: 106.423 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.0		0.0	0.0	0.0

Manual Integrations
 APPROVED

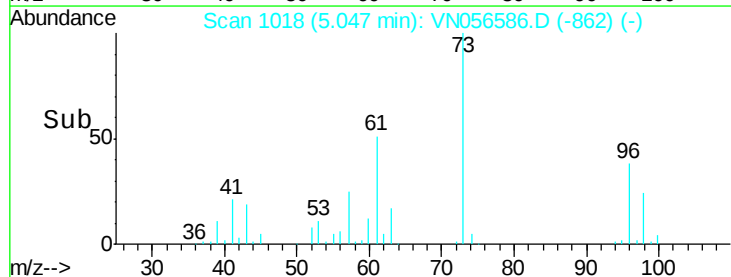
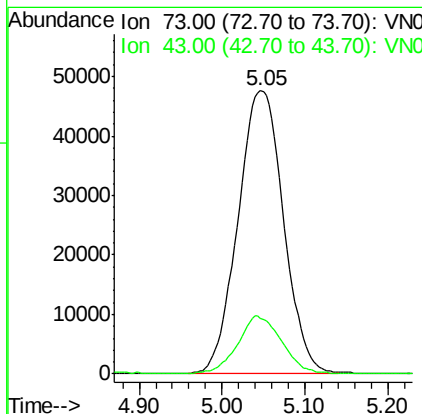
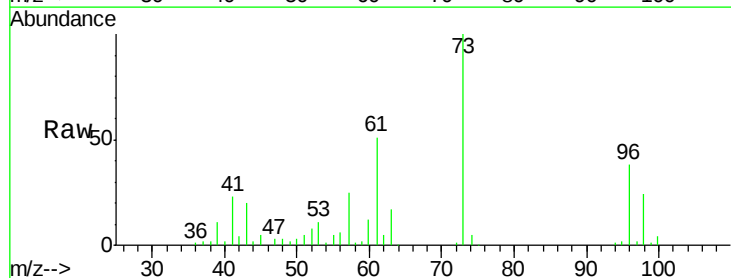
MMDadoda
 7/8/2019 10:05:24 AM

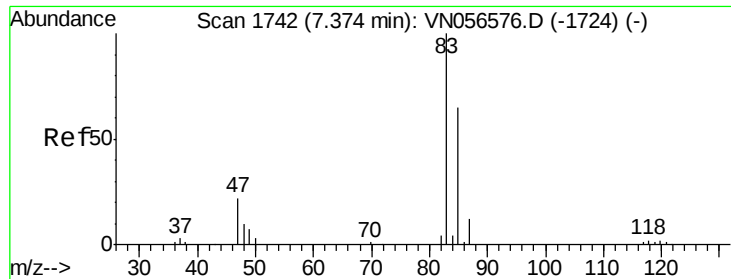


#24

Methyl tert-Butyl Ether
 Concen: 20.448 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	19.9		15.4	23.0	





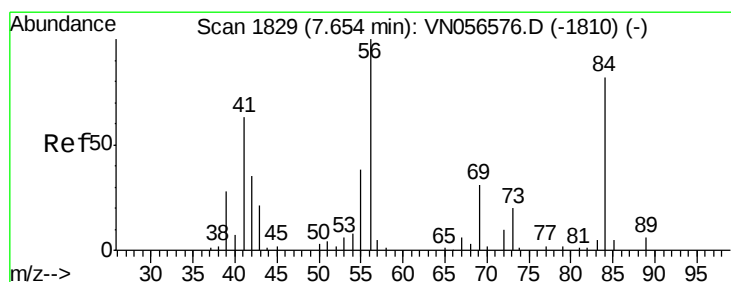
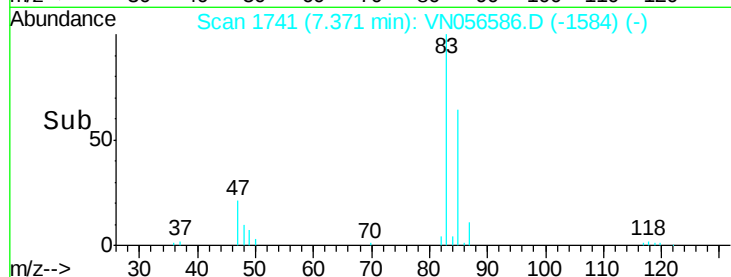
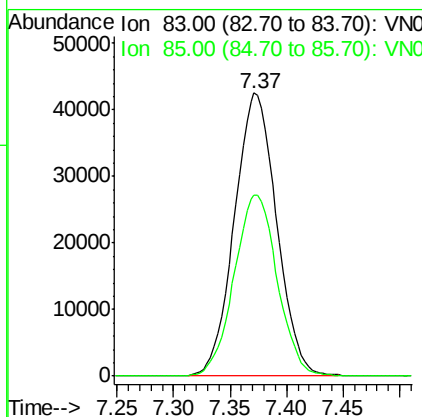
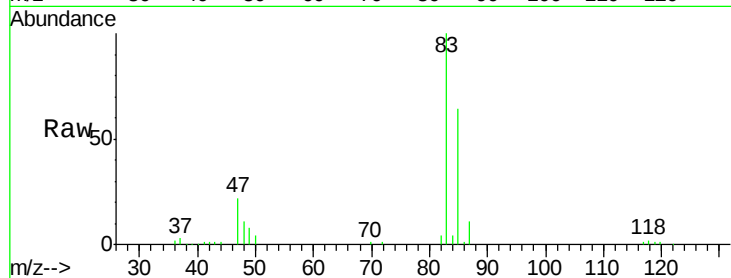
#25
Chloroform
Concen: 20.575 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion: 83 Resp: 110663
Ion Ratio Lower Upper
83 100
85 64.1 52.0 78.0

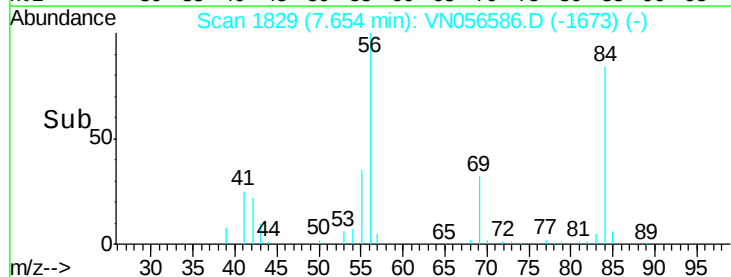
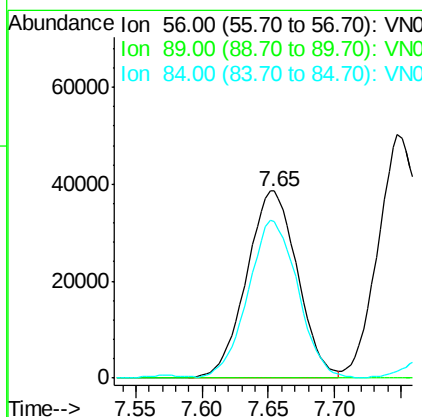
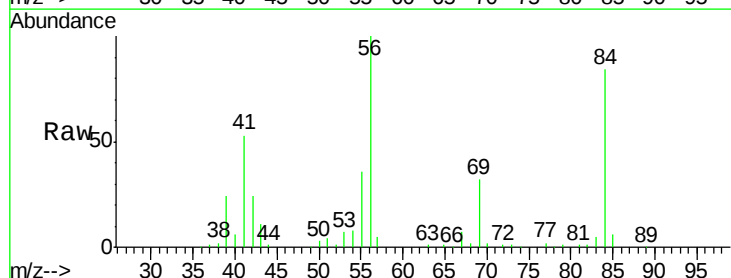
Manual Integrations
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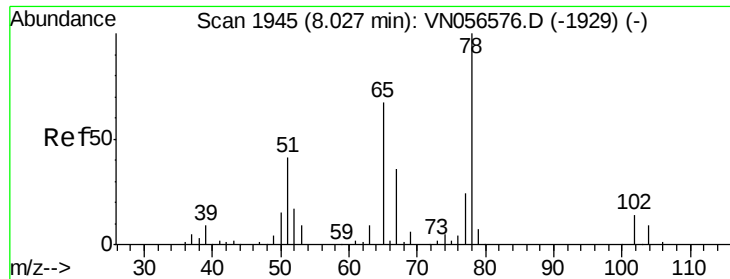
MMDadoda
7/8/2019 10:05:24 AM



#26
Cyclohexane
Concen: 20.396 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion: 56 Resp: 103087
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 81.9 70.1 105.1





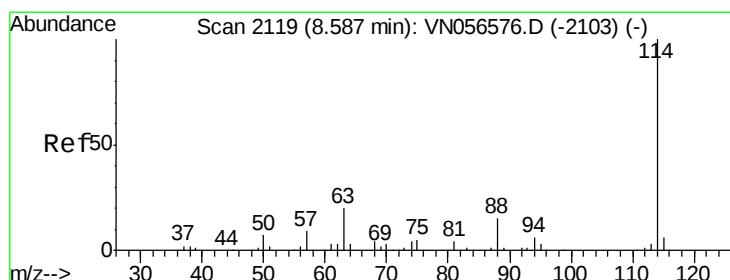
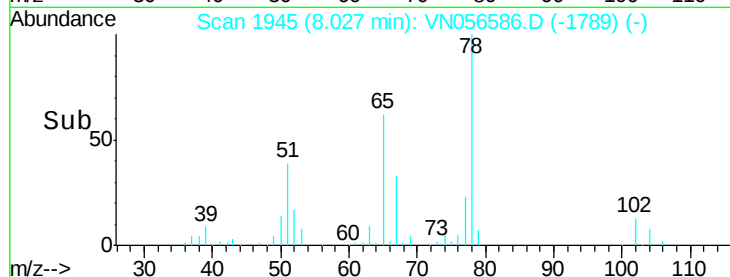
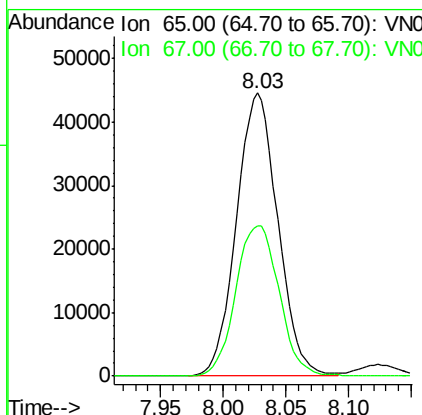
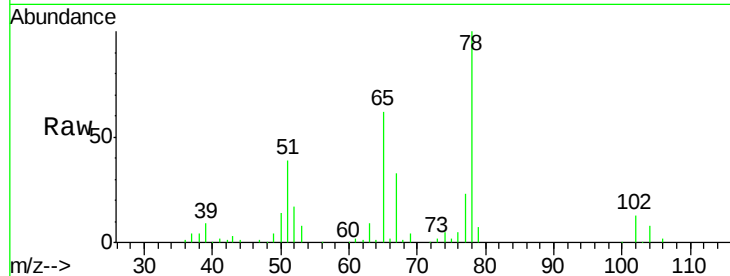
#27
 1,2-Dichloroethane-d4
 Concen: 30.184 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	43.4	65.2

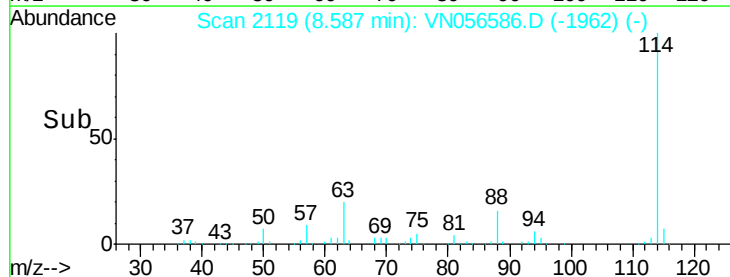
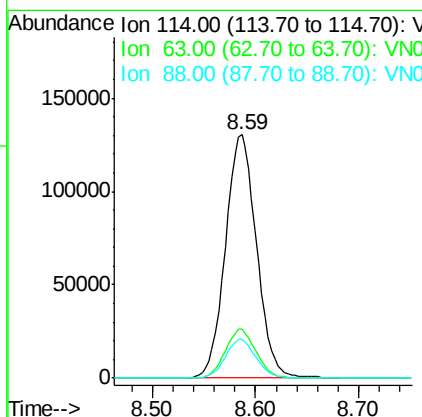
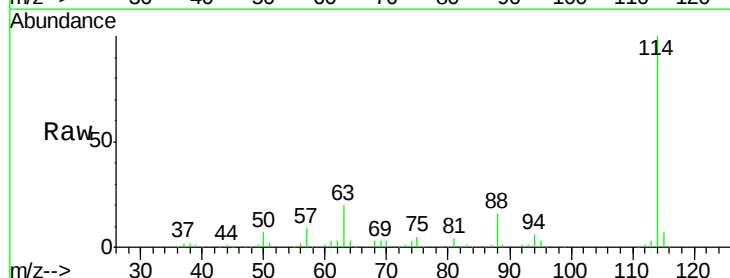
Manual Integrations
 APPROVED

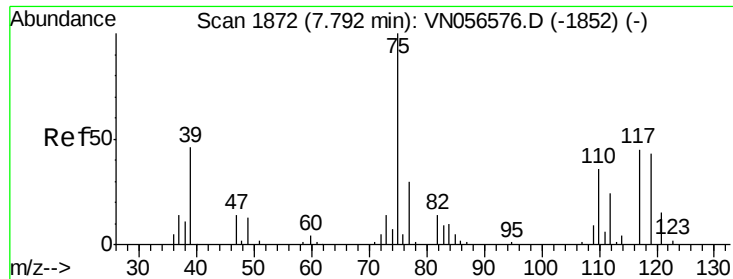
MMDadoda
 7/8/2019 10:05:24 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	14.7	22.1
88	15.6	11.9	17.9





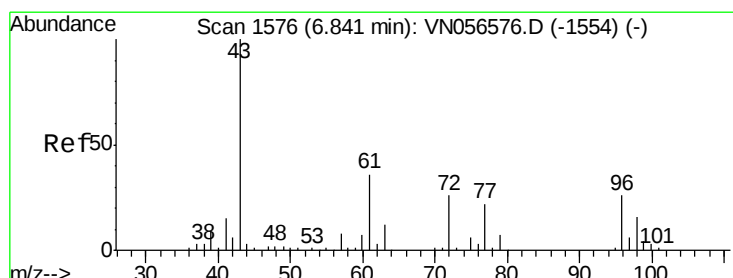
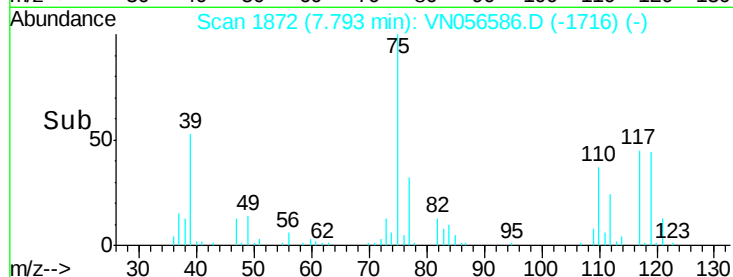
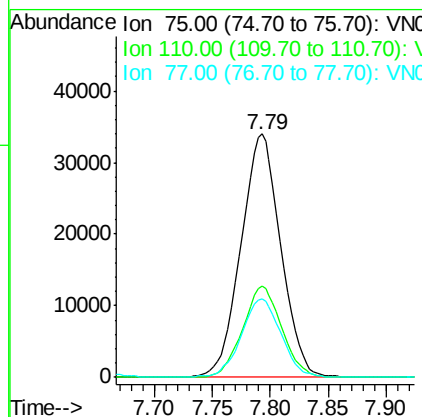
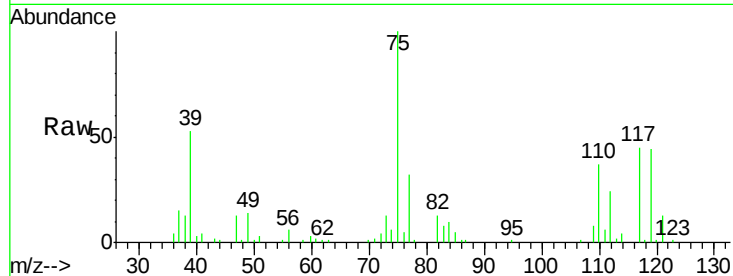
#29
 1,1-Dichloropropene
 Concen: 20.039 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	77.0
77	32.1	0.0	62.4

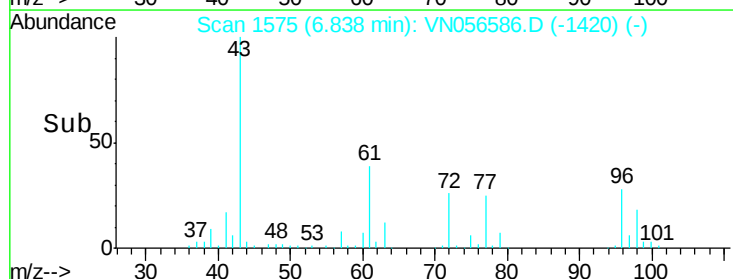
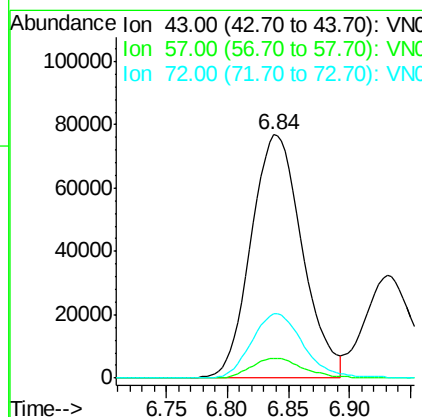
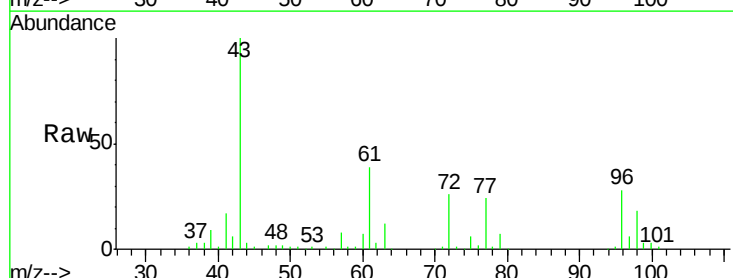
Manual Integrations
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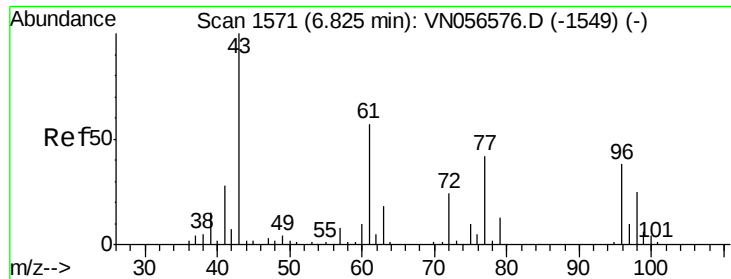
MMDadoda
 7/8/2019 10:05:24 AM



#30
 2-Butanone
 Concen: 99.349 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.7	10.1#
72	26.9	22.4	33.6





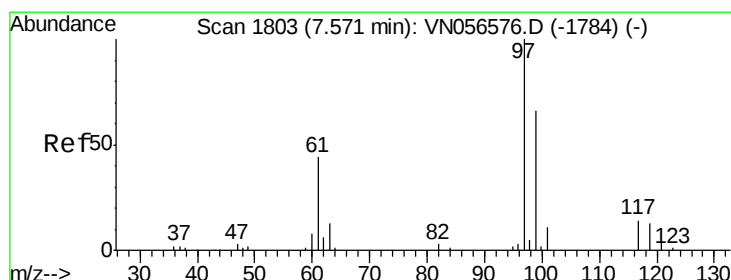
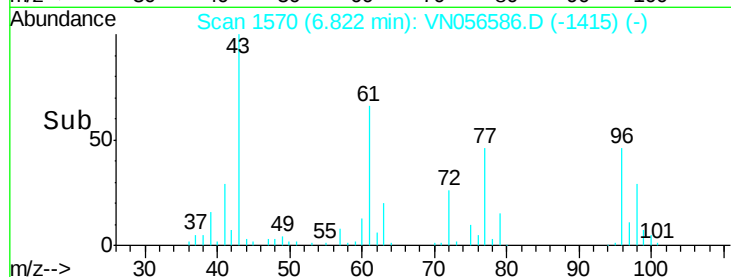
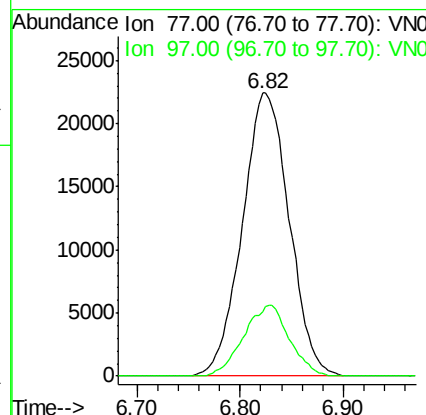
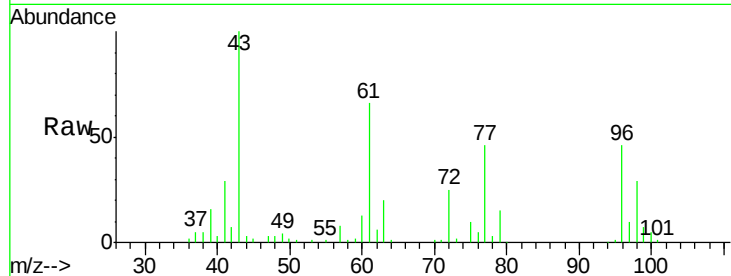
#31
 2,2-Dichloropropane
 Concen: 18.180 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

Tot Ion: 77 Resp: 70773
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.8 31.2

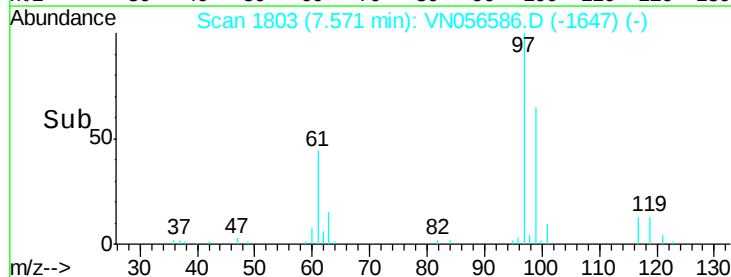
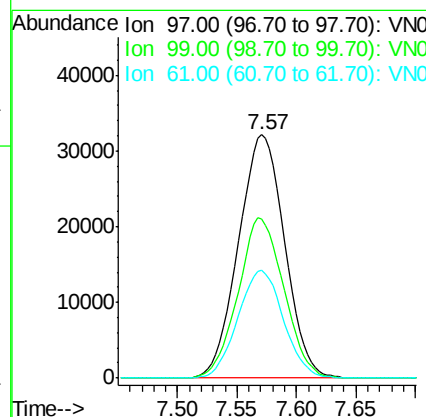
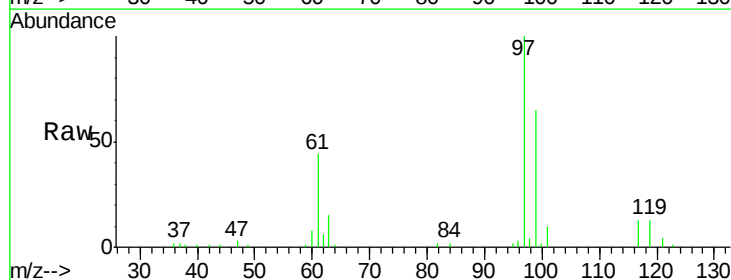
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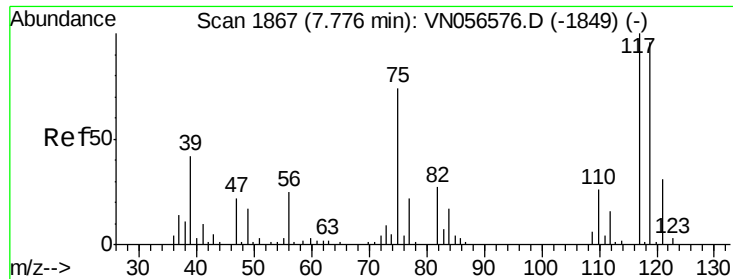
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.025 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion: 97 Resp: 86429
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.5 77.3
 61 43.5 32.9 49.3





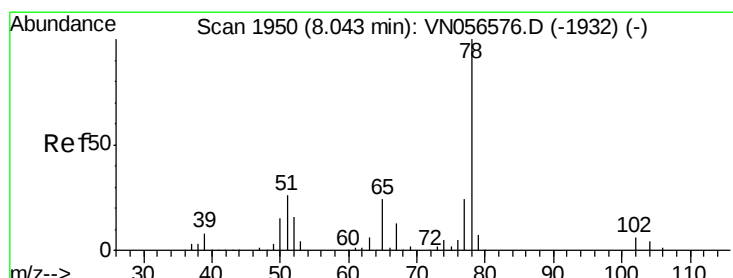
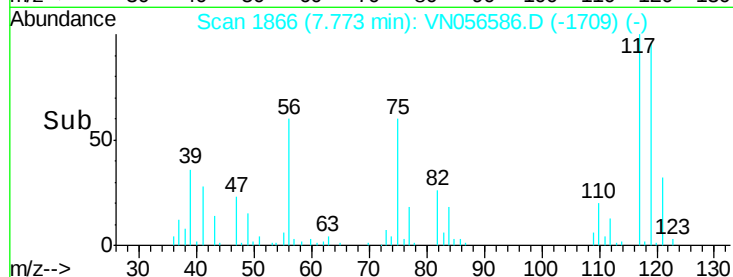
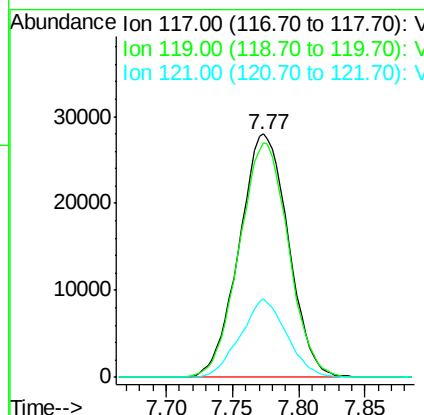
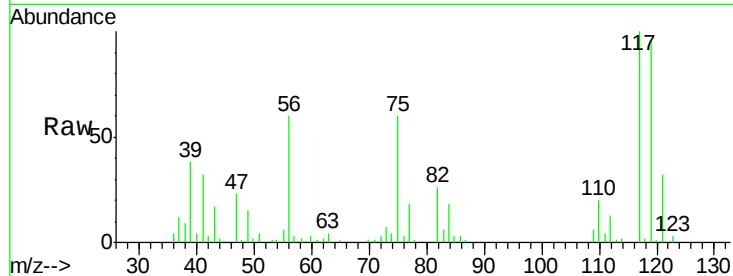
#33
Carbon Tetrachloride
Concen: 19.796 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.3	115.9
121	32.2	25.0	37.4

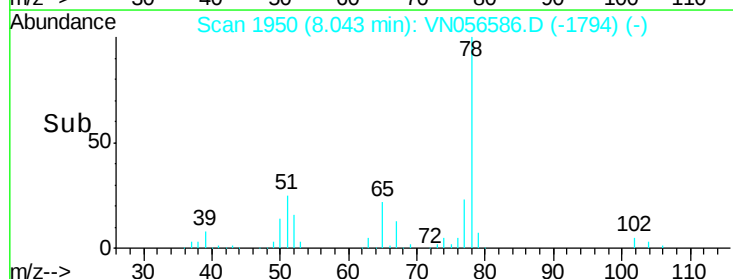
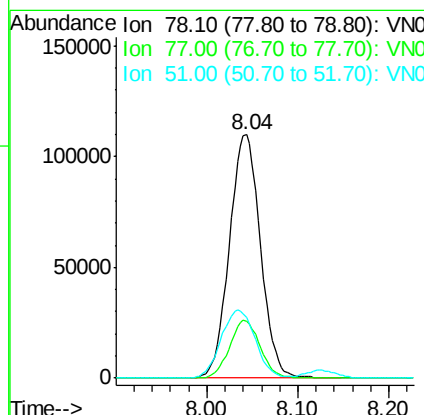
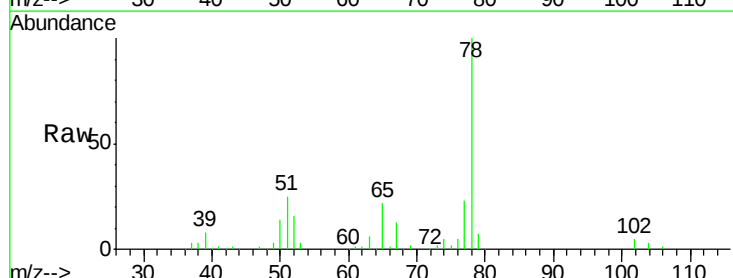
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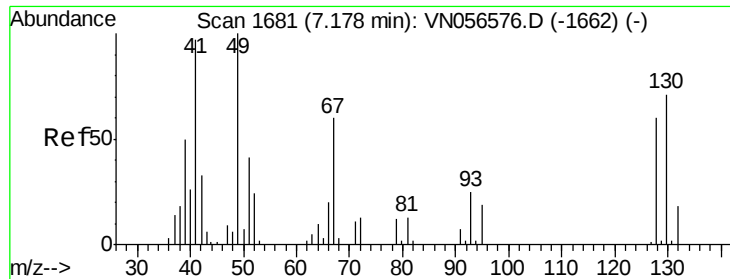
MMDadoda
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#34
Benzene
Concen: 20.592 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9
51	24.7	19.8	29.8





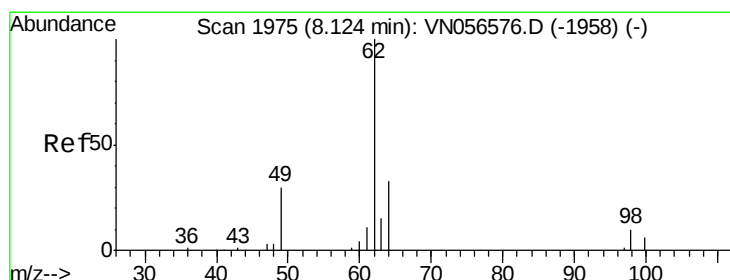
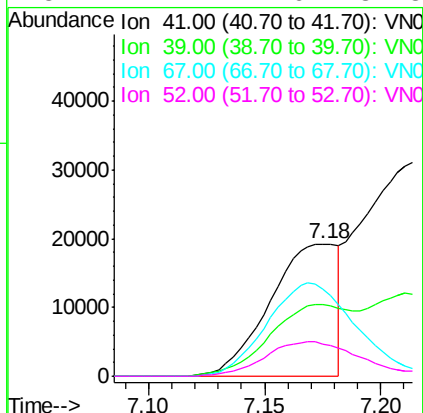
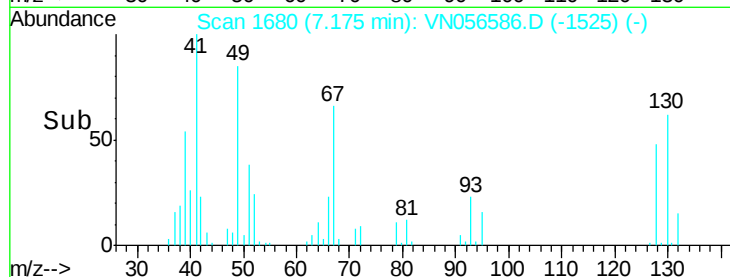
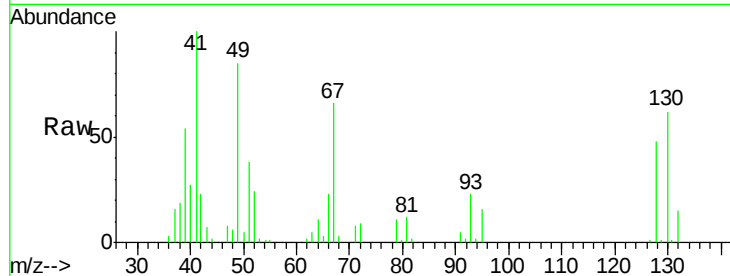
#35
Methacrylonitrile
Concen: 19.621 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion	41	Resp	39109
Ion Ratio	Lower	Upper	
41	100		
39	53.8	24.8	74.3
67	65.9	34.3	102.9
52	24.4	12.6	37.8

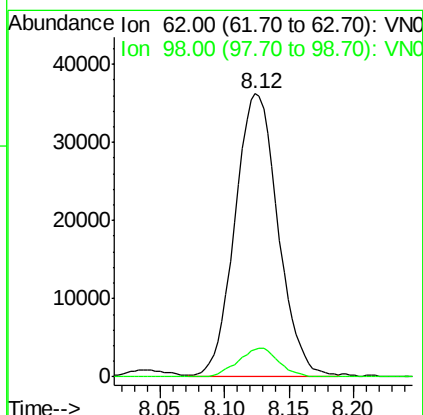
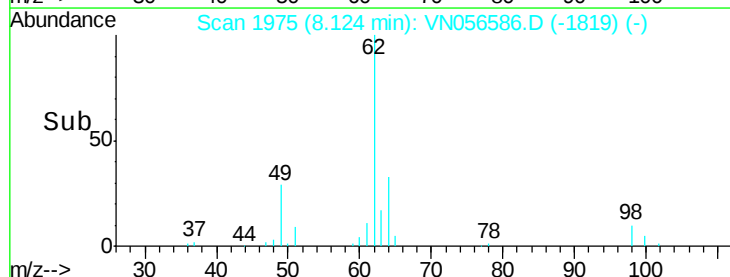
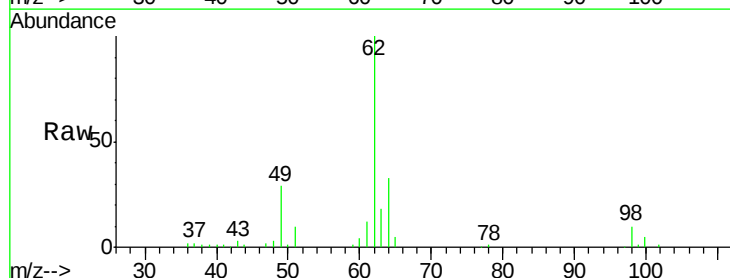
Manual Integrations
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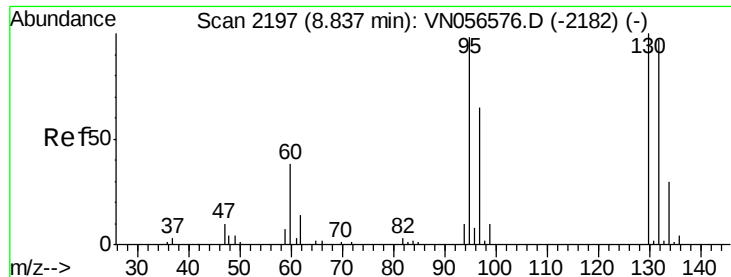
MMDadoda
7/8/2019 10:05:24 AM



#36
1,2-Dichloroethane
Concen: 20.570 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	62	Resp	84638
Ion Ratio	Lower	Upper	
62	100		
98	9.4	8.6	13.0





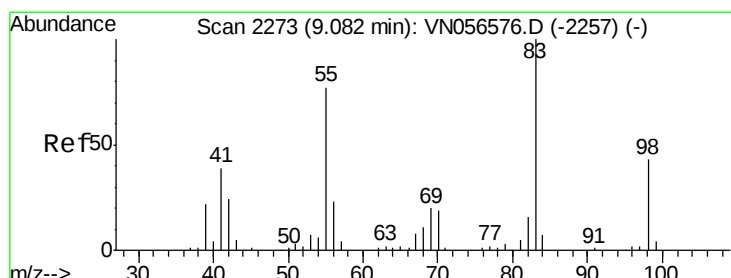
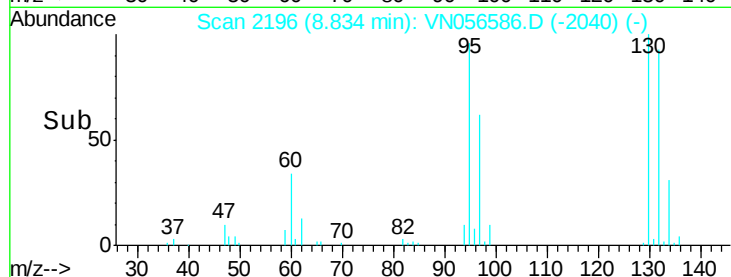
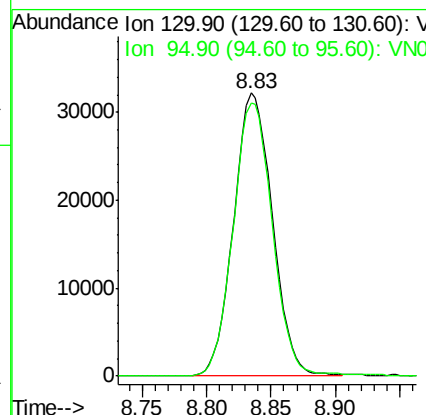
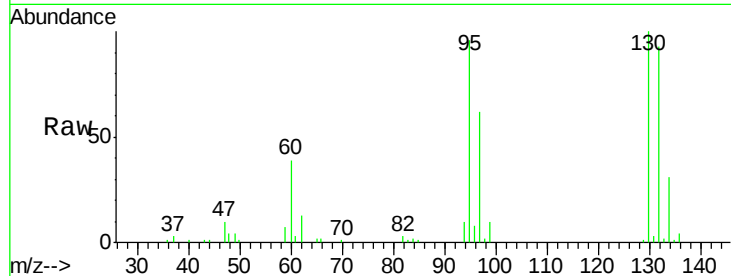
#37
 Trichloroethene
 Concen: 20.444 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Tot Ion:130 Resp: 67502
 Ion Ratio Lower Upper
 130 100
 95 96.3 73.0 109.6

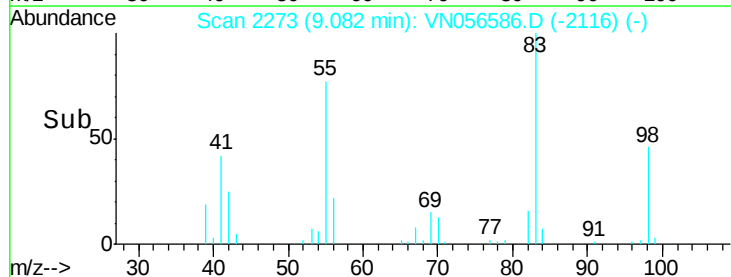
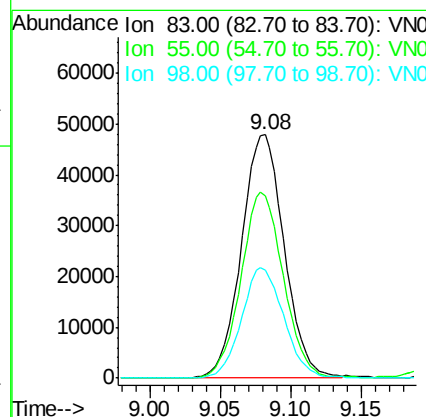
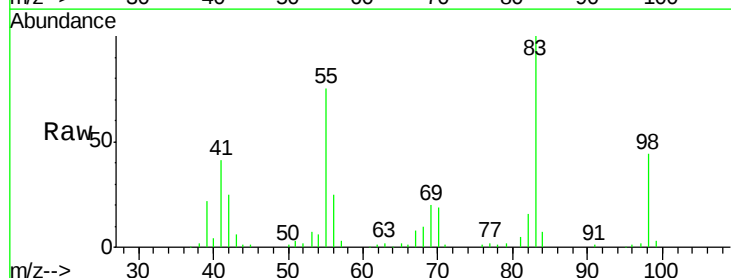
Manual Integrations
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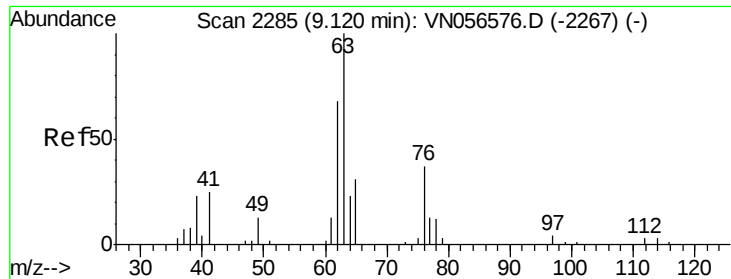
MMDadoda
 7/8/2019 10:05:24 AM



#38
 Methylcyclohexane
 Concen: 20.037 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion: 83 Resp: 101660
 Ion Ratio Lower Upper
 83 100
 55 75.7 37.5 112.7
 98 44.9 23.1 69.3





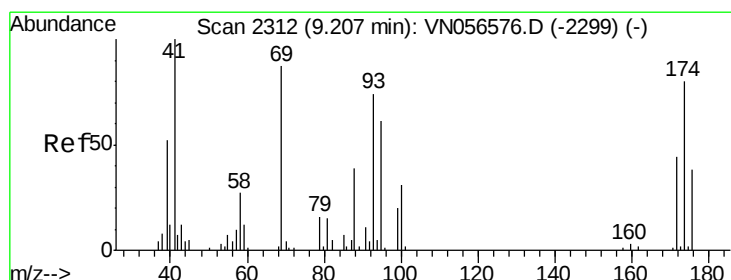
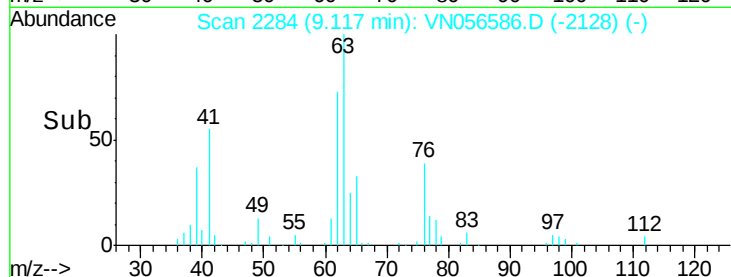
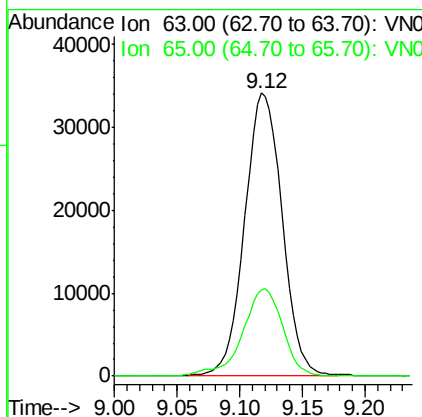
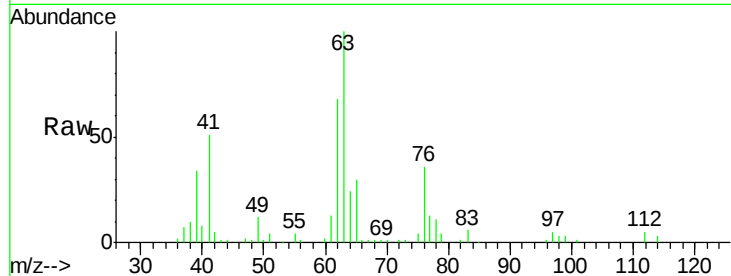
#39
 1,2-Dichloropropane
 Concen: 20.919 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

Tot Ion: 63 Resp: 71291
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.1 34.7

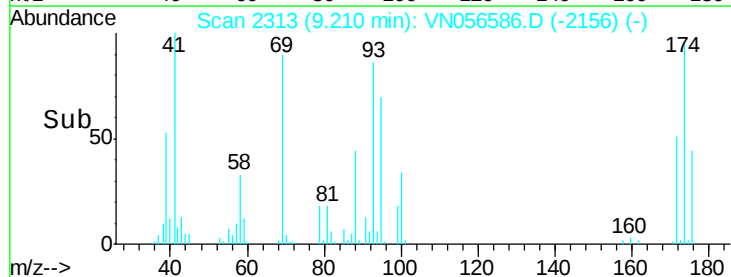
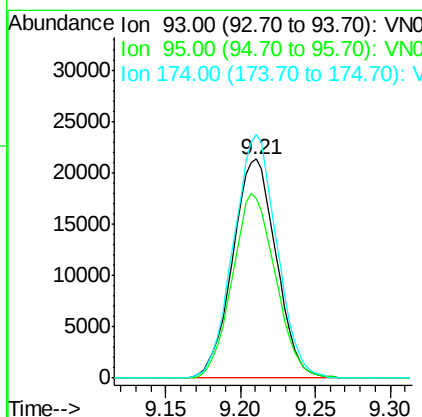
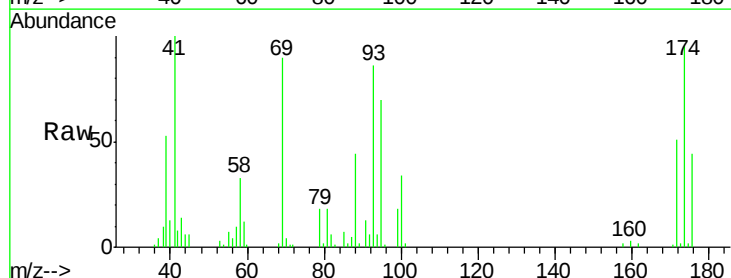
Manual Integrations
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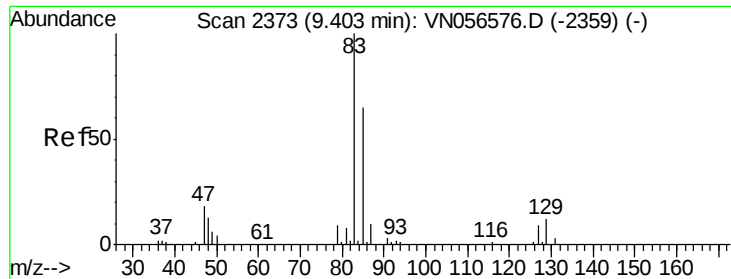
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#40
 Dibromomethane
 Concen: 20.563 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion: 93 Resp: 43318
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 169.0
 174 110.4 0.0 246.4





#41

Bromodichloromethane

Concen: 19.763 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

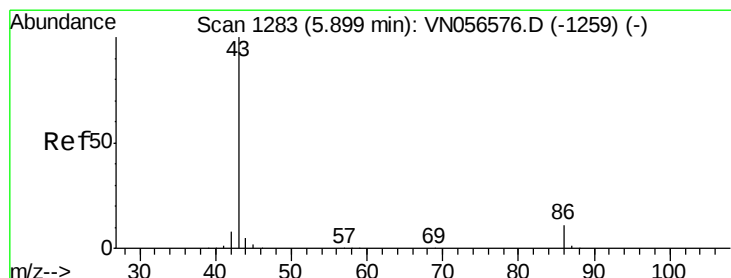
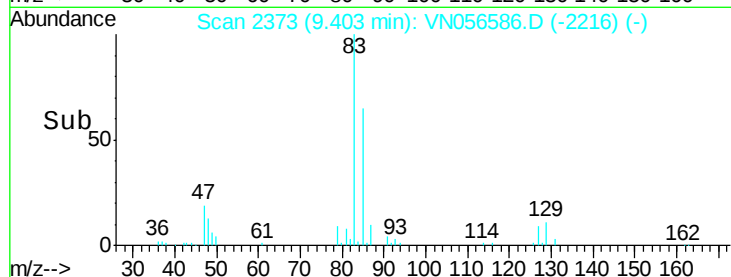
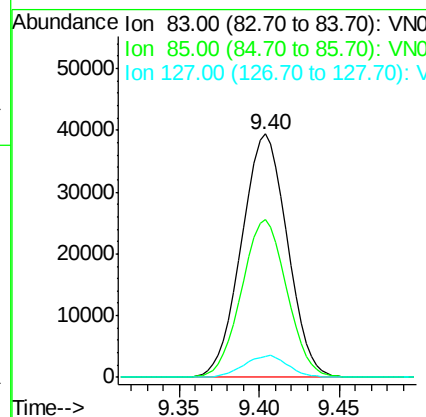
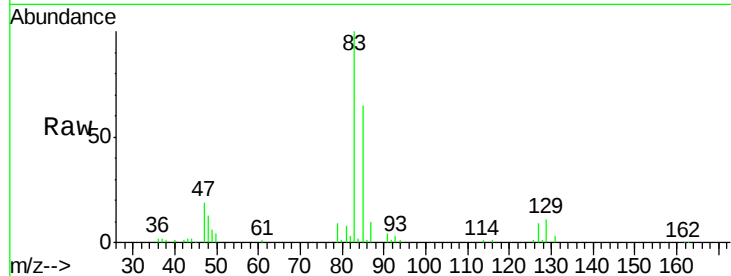
ClientSampled :

VN0703WBSD01

Tot Ion:	83	Resp:	77161
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.8	77.6
127	8.8	7.3	10.9

Manual Integrations
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7/8/2019 10:05:24 AM



#42

Vinyl Acetate

Concen: 102.033 ug/l

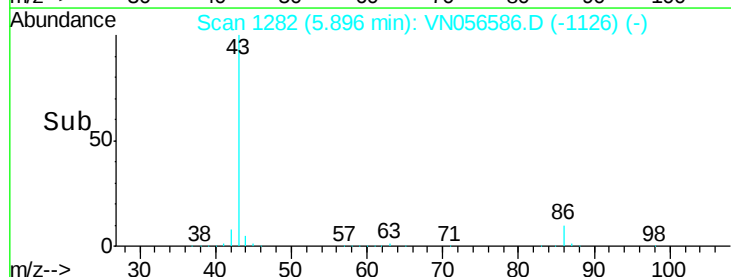
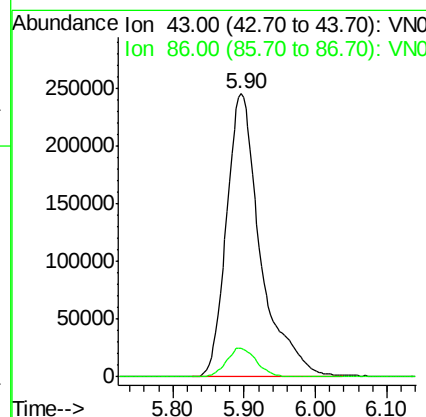
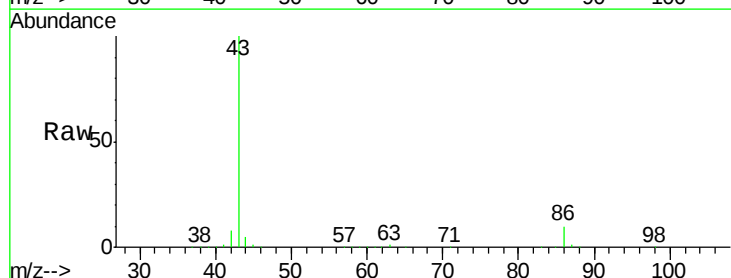
RT: 5.90 min Scan# 1282

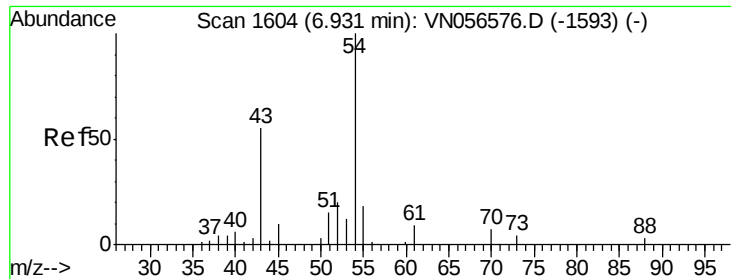
Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Tgt Ion:	43	Resp:	815406
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.9	11.9





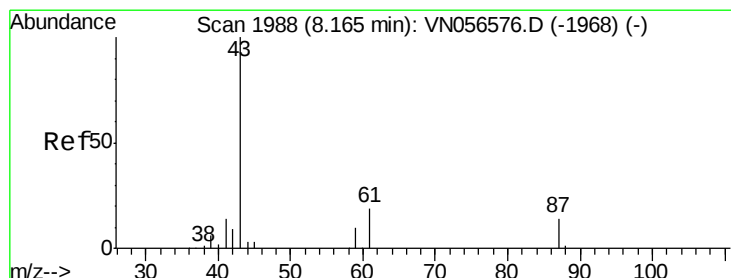
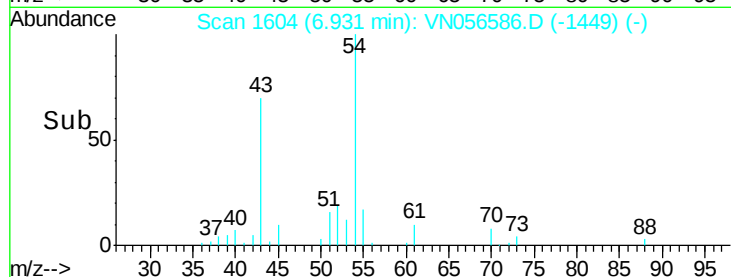
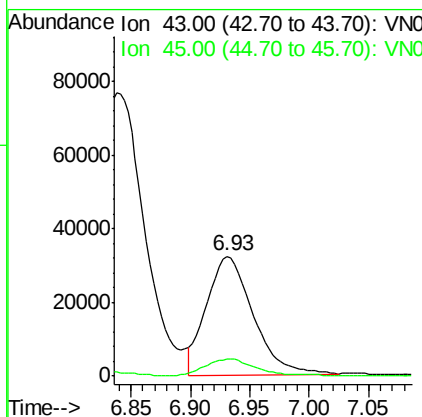
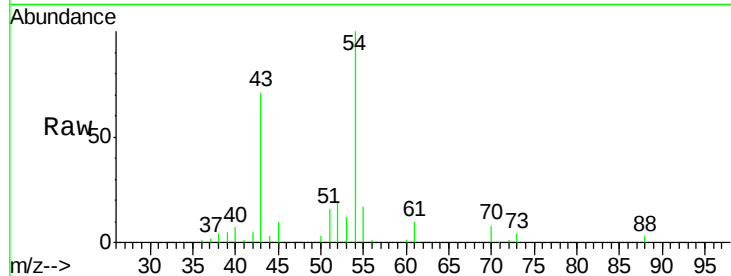
#43
Ethyl Acetate
Concen: 20.372 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0703WBSD01

Tot Ion	43	45	Ratio	100	13.9	Resp	88450	Lower	12.3	Upper	18.5
Ion	43	45	Ratio	100	13.9	Resp	88450	Lower	12.3	Upper	18.5

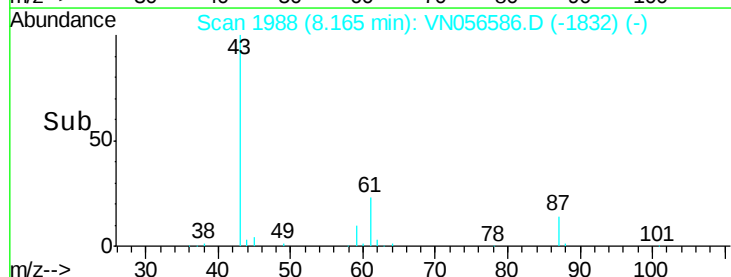
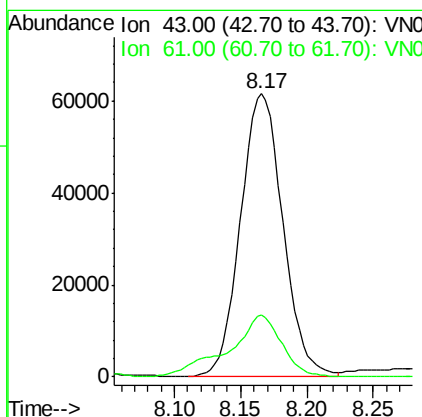
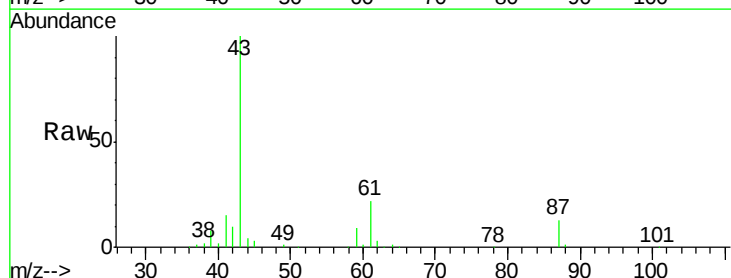
Manual Integrations
APPROVED

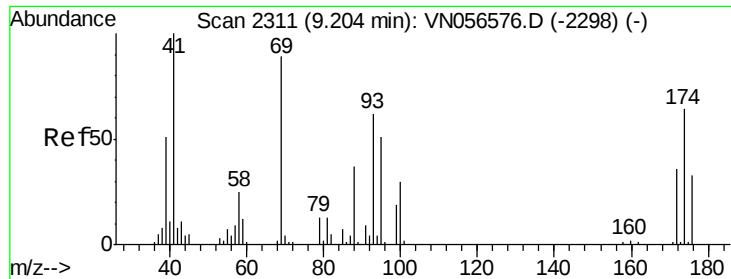
MMDadoda
7/8/2019 10:05:24 AM



#44
Isopropyl Acetate
Concen: 20.082 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	43	61	Ratio	100	27.6	Resp	136032	Lower	16.9	Upper	25.3#
Ion	43	61	Ratio	100	27.6	Resp	136032	Lower	16.9	Upper	25.3#





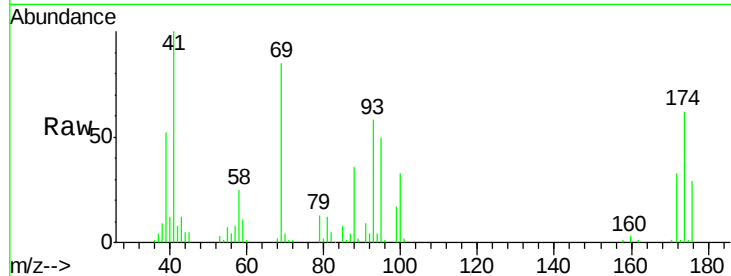
#45
 1,4-Dioxane
 Concen: 423.467 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	19.8	29.6
58	71.6	48.5	72.7

Manual Integrations
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MMDadoda
 7/8/2019 10:05:24 AM

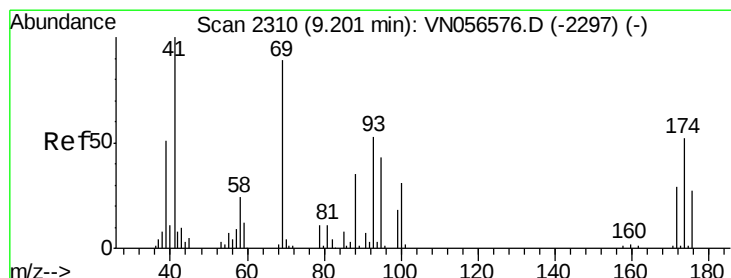
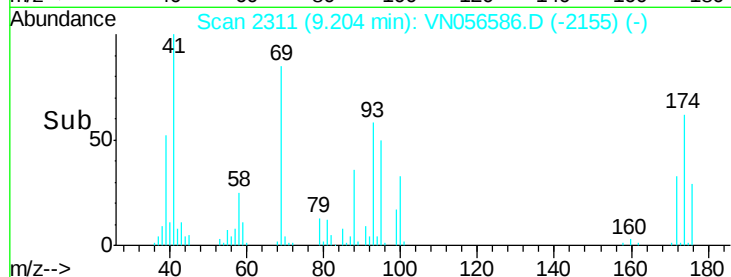
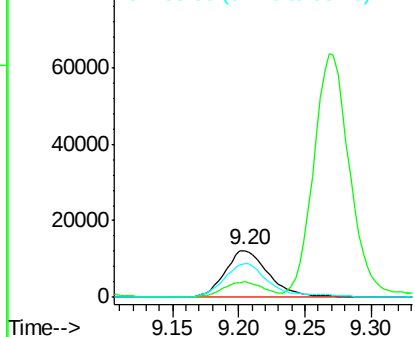


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 20.222 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

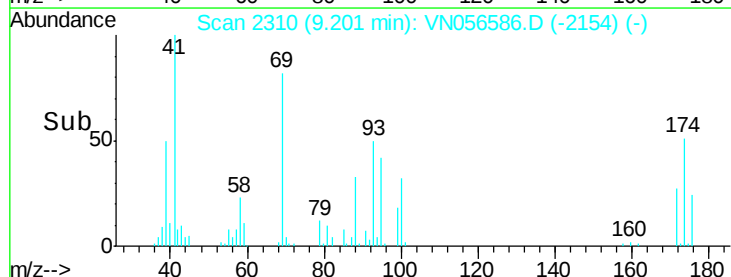
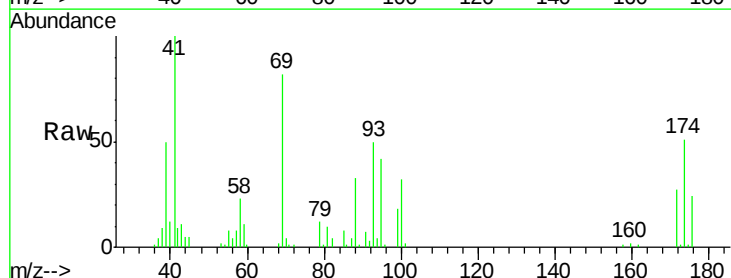
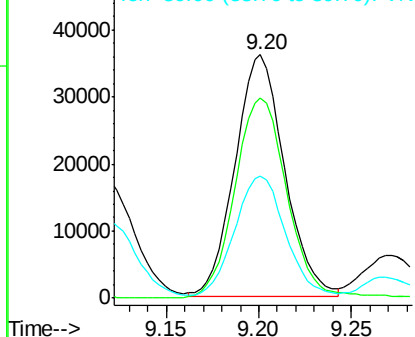
Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.3	46.0	137.8
39	50.4	24.6	73.8

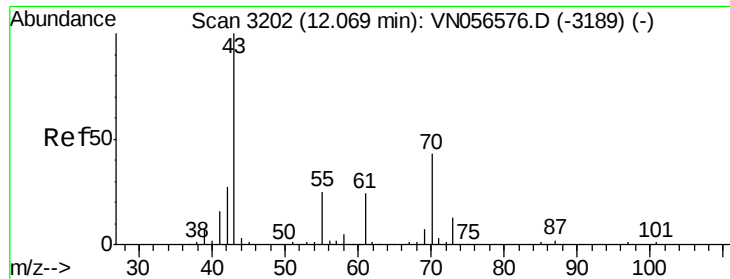
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 19.549 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

VN0703WBSD01

Tot Ion: 43 Resp: 110068

Ion Ratio Lower Upper

43 100

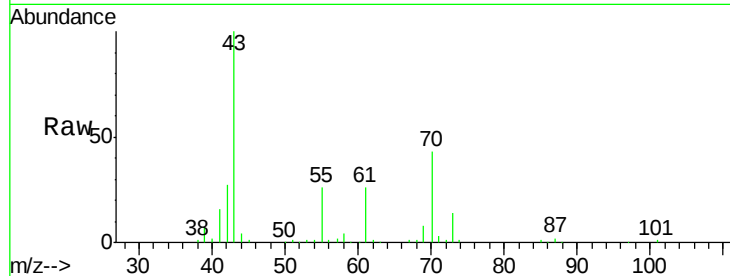
55 25.8 19.0 28.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

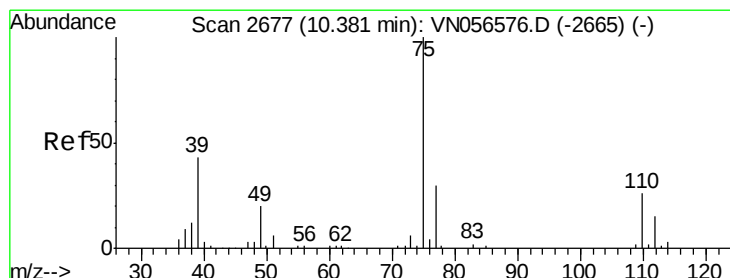
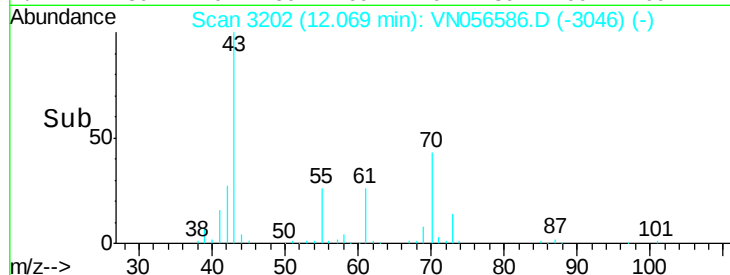
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.199 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056586.D

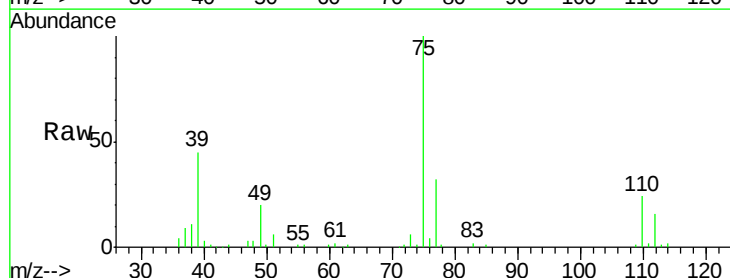
Acq: 3 Jul 2019 14:35

Tgt Ion: 75 Resp: 80340

Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

50000

40000

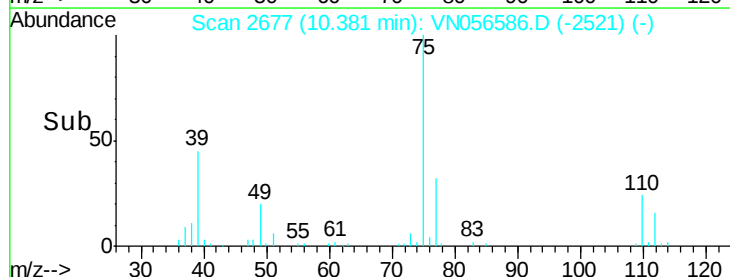
30000

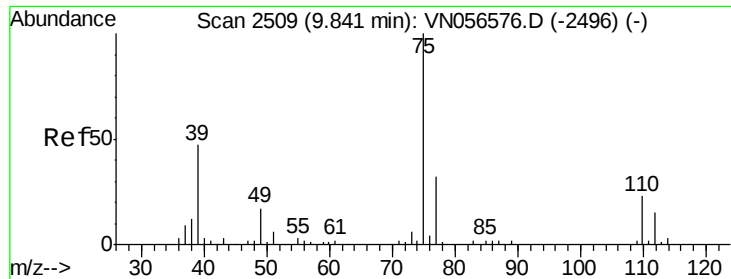
20000

10000

0

Time-->





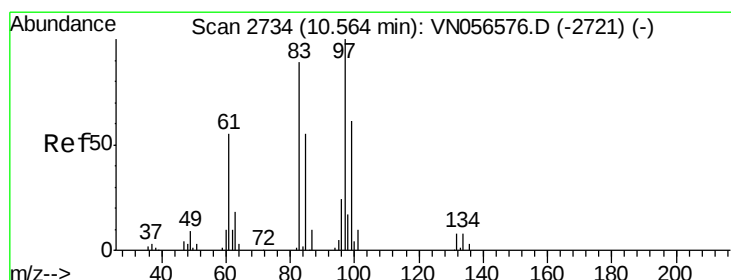
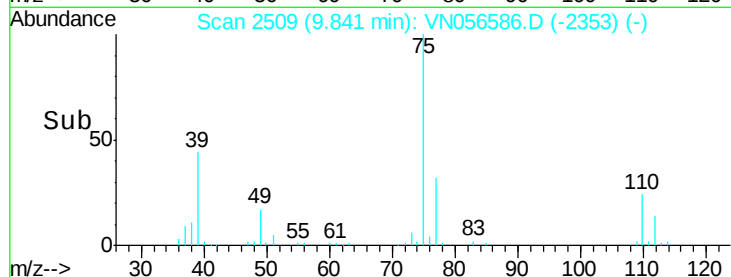
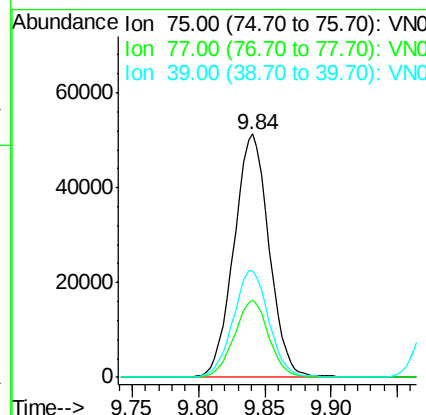
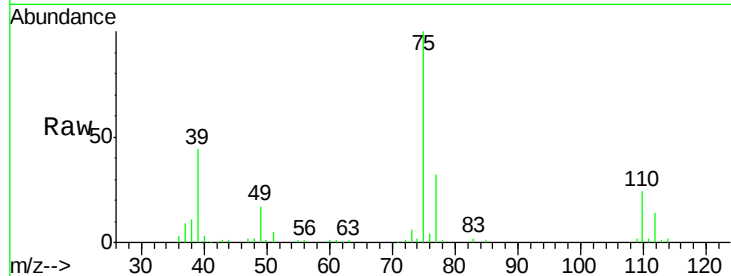
#49
 cis-1,3-Dichloropropene
 Concen: 19.589 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7
39	44.0	34.3	51.5

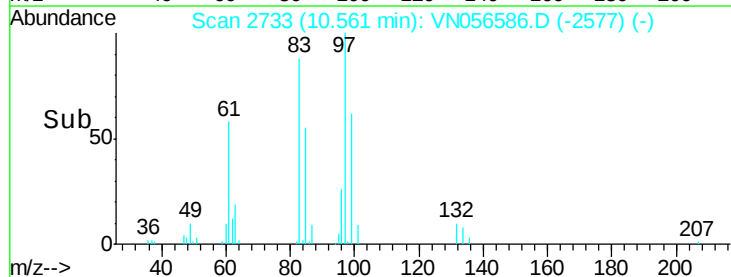
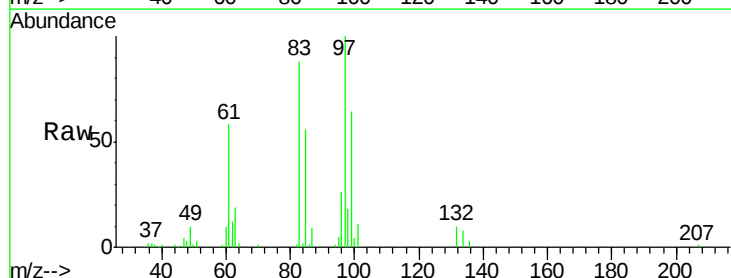
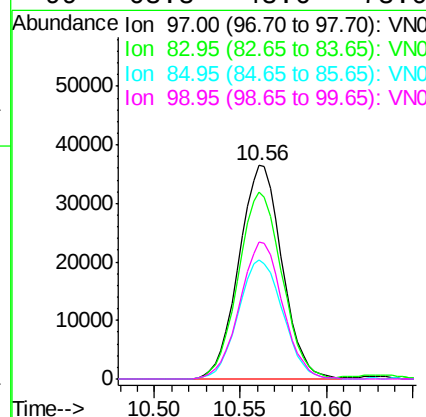
Manual Integrations
 APPROVED

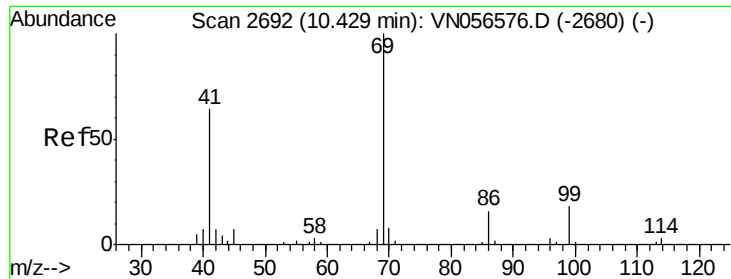
MMDadoda
 7/8/2019 10:05:24 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.563 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	66.9	100.3
85	55.8	43.3	64.9
99	63.8	48.6	73.0





#51

Ethyl methacrylate

Concen: 20.356 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

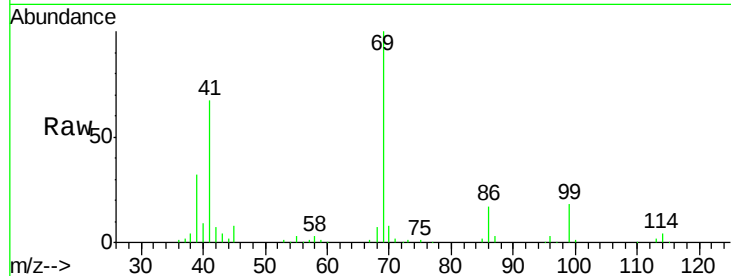
ClientSampled :

VN0703WBSD01

Tot Ion:	69	Resp:	99497
Ion Ratio	Lower	Upper	
69	100		
41	66.2	30.8	92.3
39	31.7	14.5	43.6

Manual Integrations
APPROVED

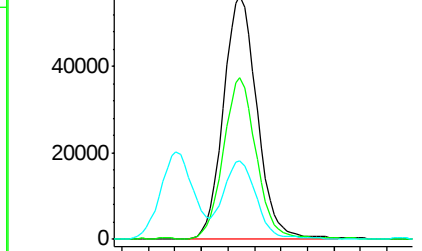
MMDadoda
7/8/2019 10:05:24 AM



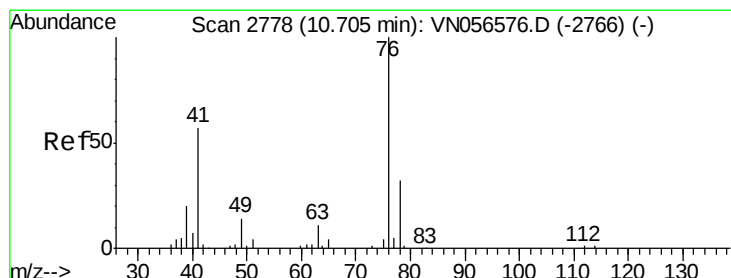
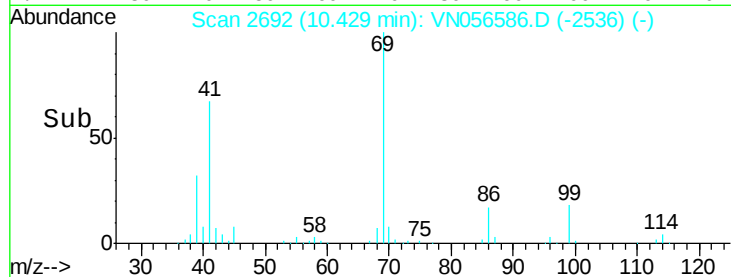
Abundance Ion 69.00 (68.70 to 69.70): VN056586.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN056586.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN056586.D (-2536) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 20.681 ug/l

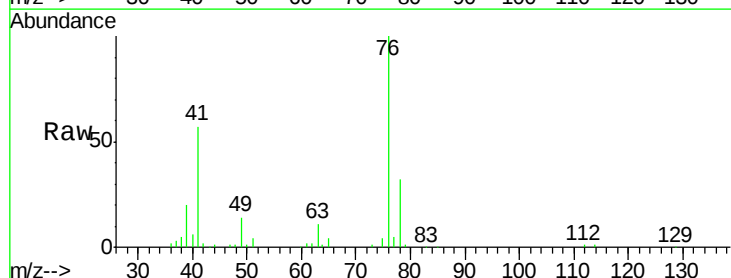
RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056586.D

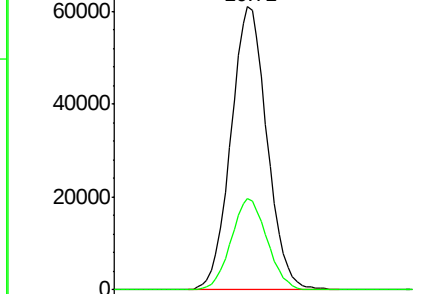
Acq: 3 Jul 2019 14:35

Tgt Ion:	76	Resp:	109060
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	63.4

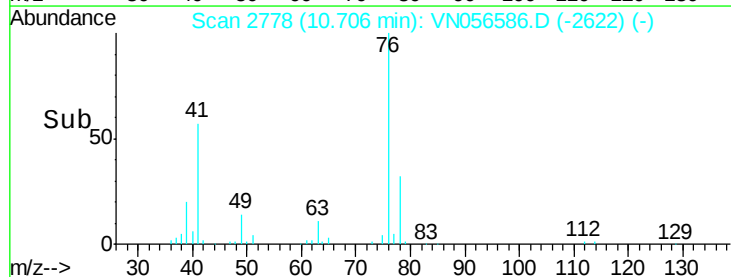


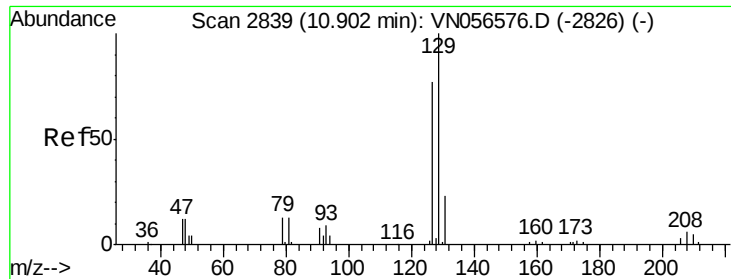
Abundance Ion 76.00 (75.70 to 76.70): VN056586.D (-2622) (-)

Ion 78.00 (77.70 to 78.70): VN056586.D (-2622) (-)



Time-->





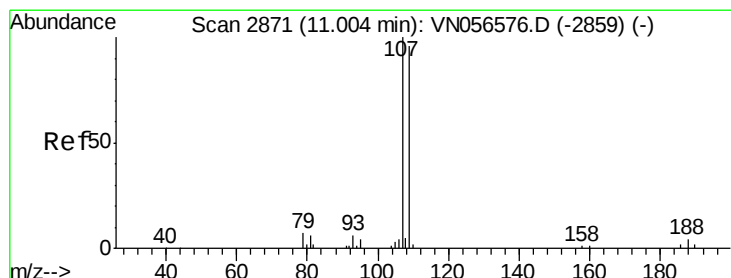
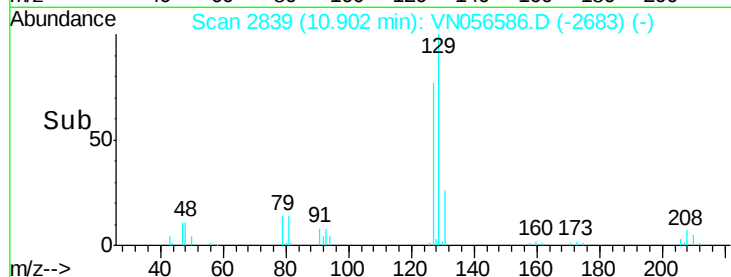
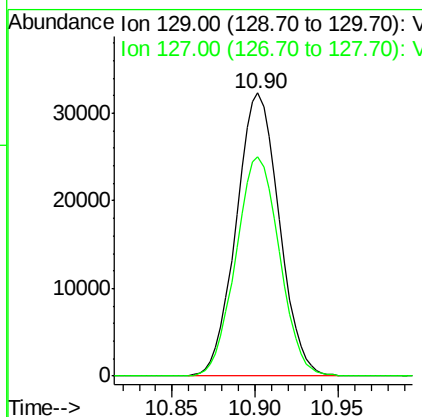
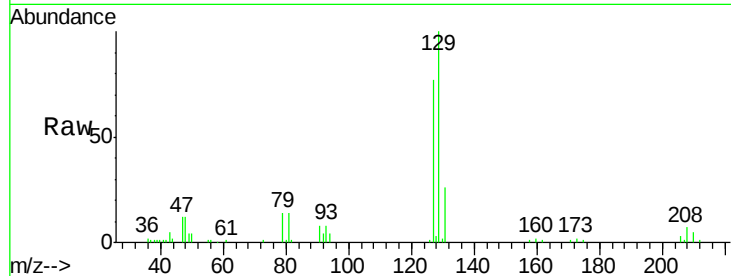
#53
 Dibromochloromethane
 Concen: 19.172 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

Tot Ion:129 Resp: 58317
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.5

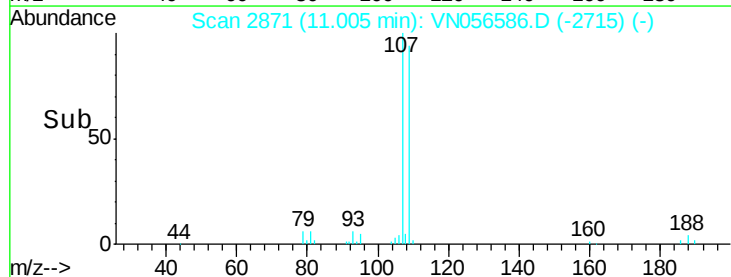
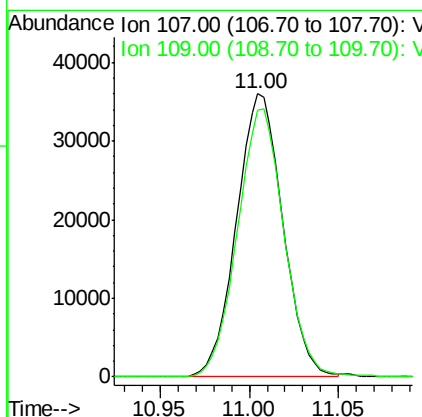
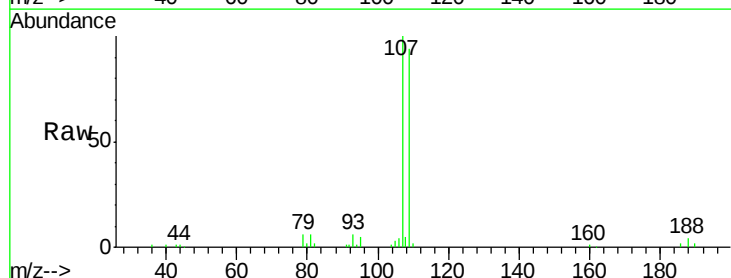
Manual Integrations
 APPROVED

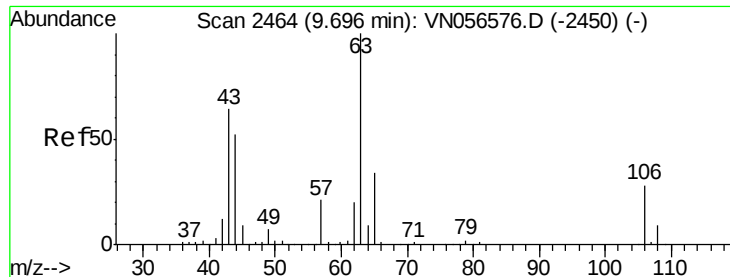
MMDadoda
 7/8/2019 10:05:24 AM



#54
 1,2-Dibromoethane
 Concen: 20.119 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion:107 Resp: 65059
 Ion Ratio Lower Upper
 107 100
 109 95.6 76.8 115.2





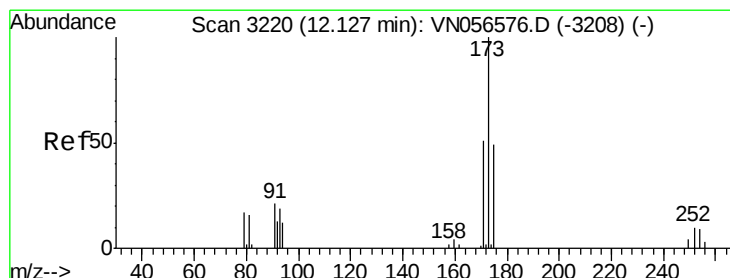
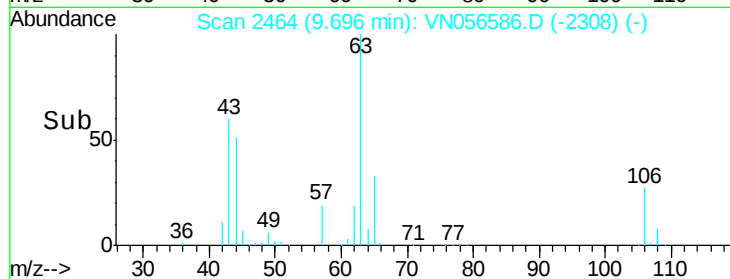
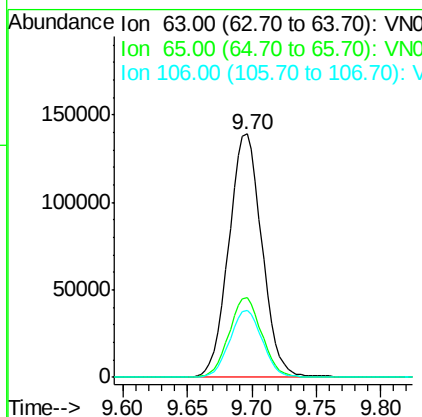
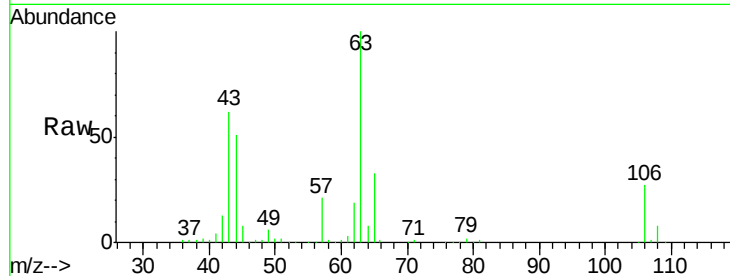
#55
 2-Chloroethyl vinyl ether
 Concen: 99.953 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	27.2	23.0	34.4

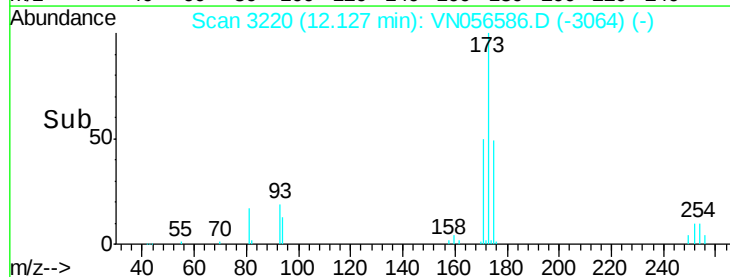
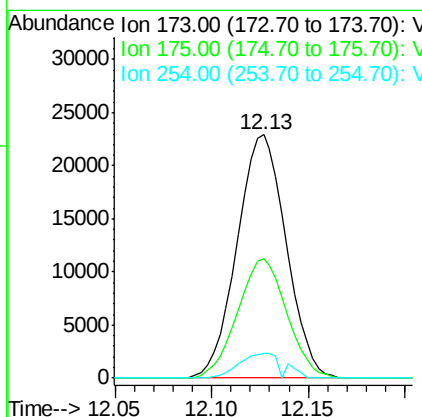
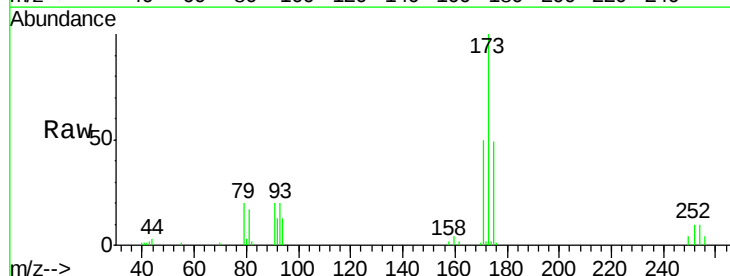
Manual Integrations
 APPROVED

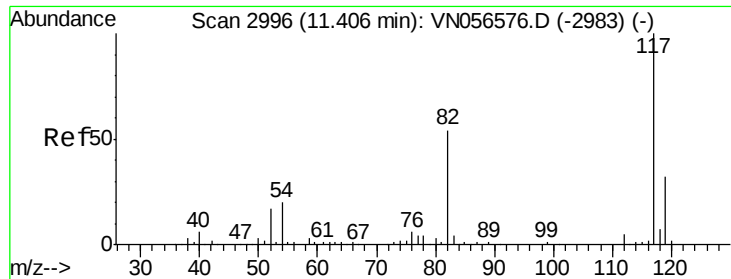
MMDadoda
 7/8/2019 10:05:24 AM



#56
 Bromoform
 Concen: 18.257 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.7	58.1
254	7.6	6.6	9.8





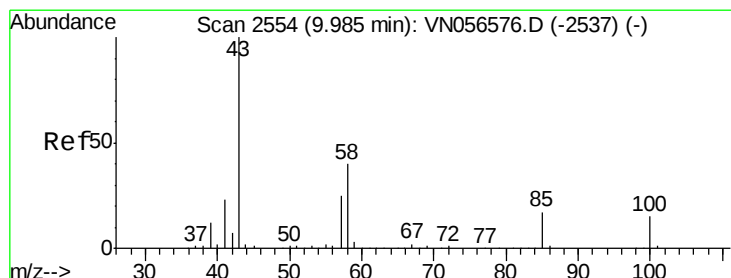
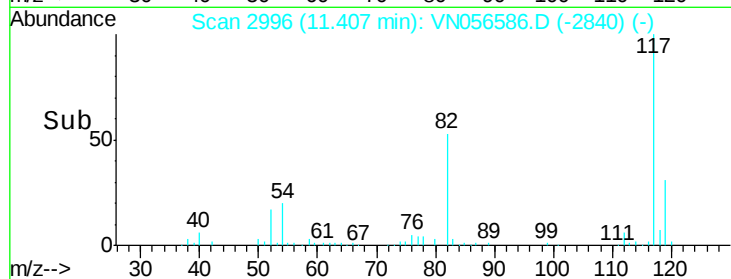
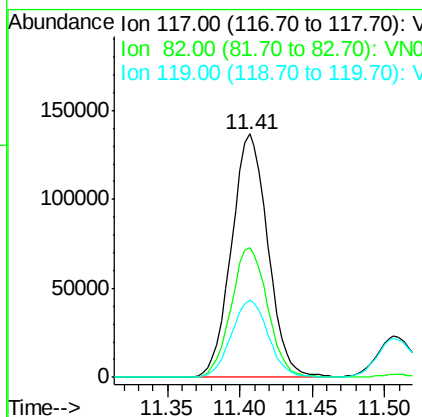
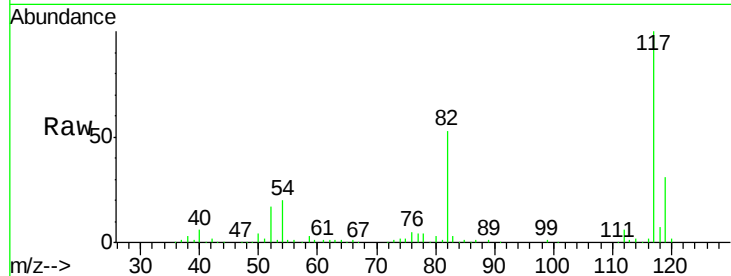
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.2	61.8
119	32.2	26.2	39.2

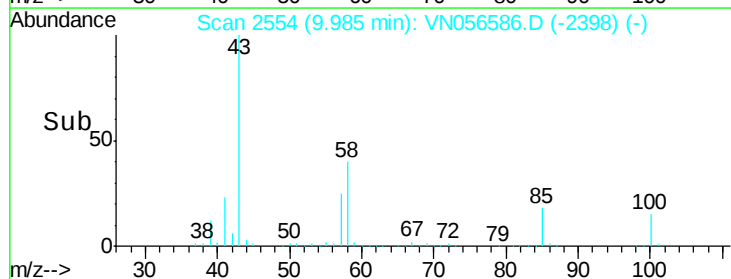
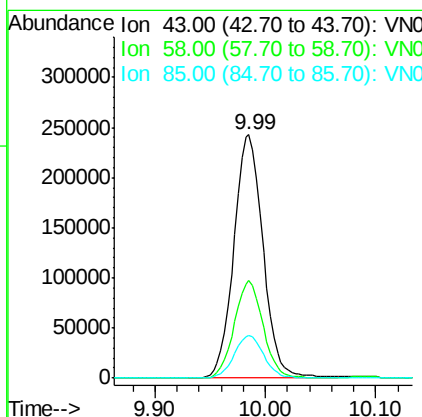
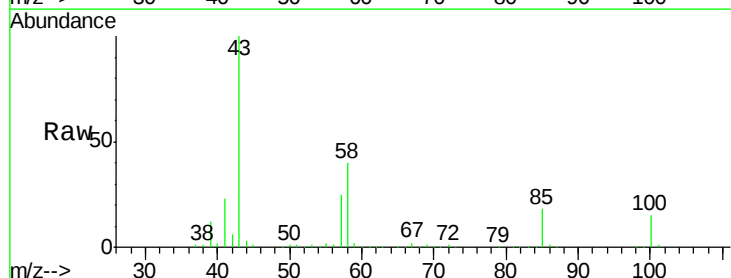
Manual Integrations
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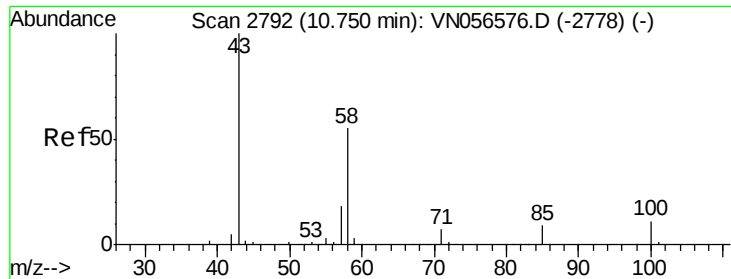
MMDadoda
7/8/2019 10:05:24 AM



#58
4-Methyl-2-Pentanone
Concen: 103.941 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	33.1	49.7
85	17.7	15.5	23.3





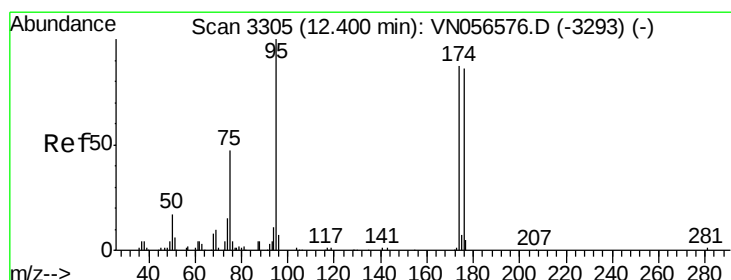
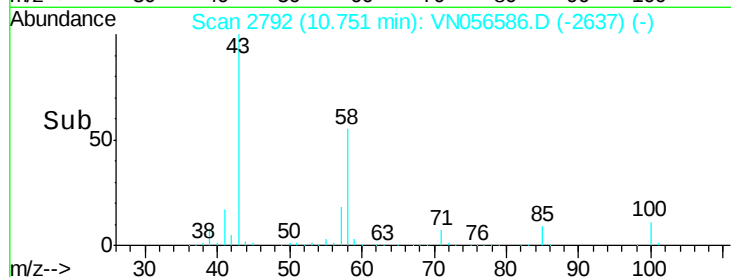
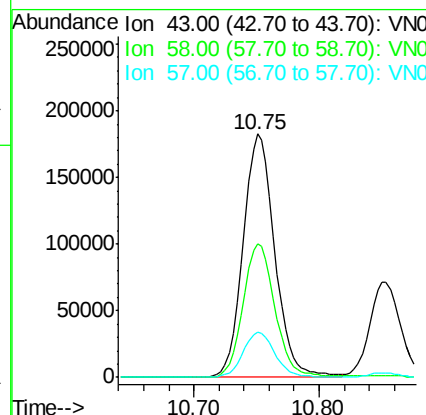
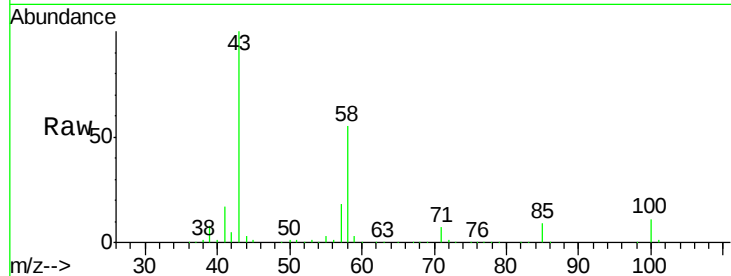
#59
2-Hexanone
Concen: 101.107 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	45.3	67.9
57	18.9	15.6	23.4

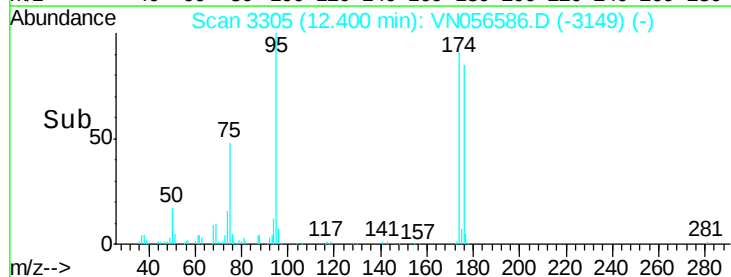
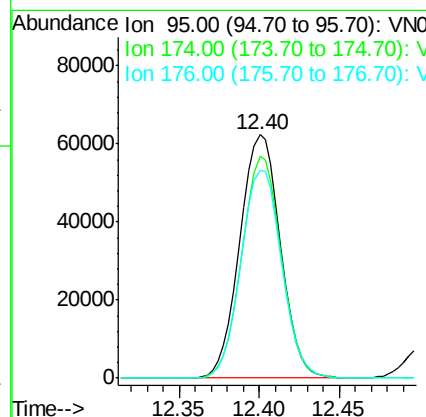
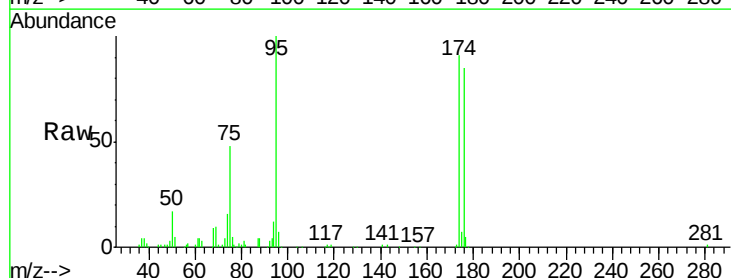
Manual Integrations
APPROVED

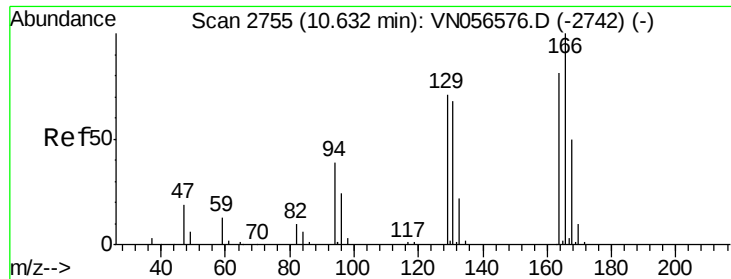
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.426 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	75.4	113.0
176	85.6	73.9	110.9





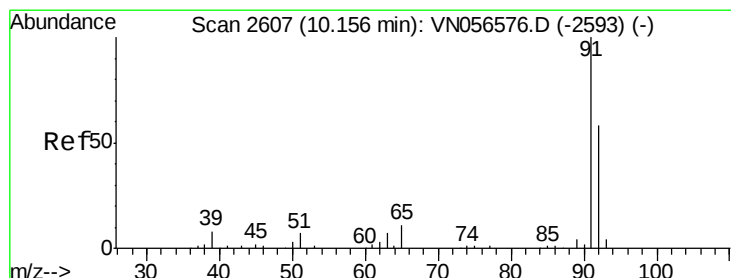
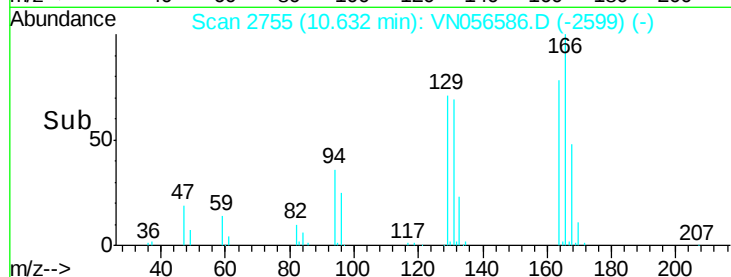
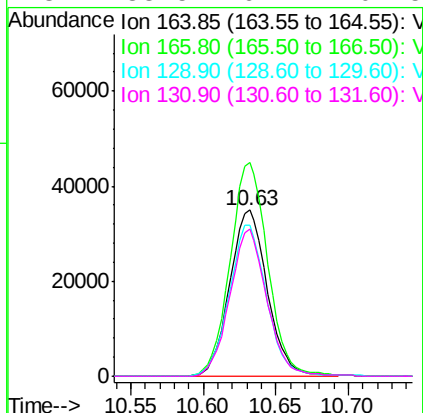
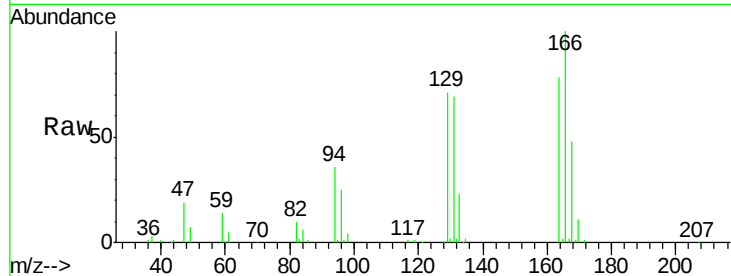
#61
Tetrachloroethene
Concen: 21.000 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.3	156.5
129	91.1	71.5	107.3
131	88.5	67.7	101.5

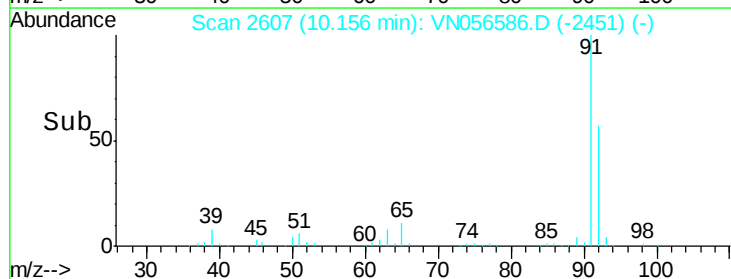
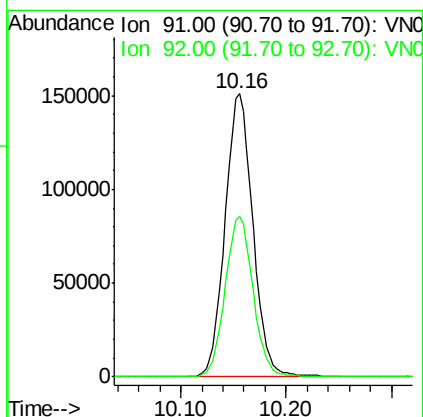
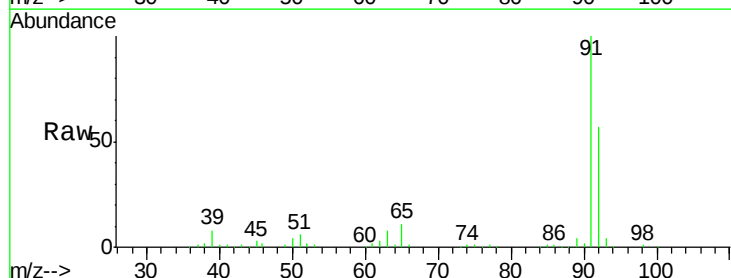
Manual Integrations
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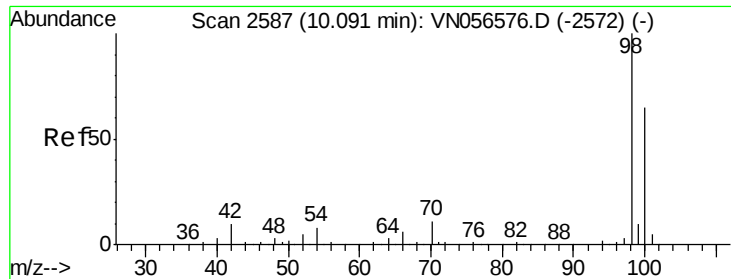
MMDadoda
7/8/2019 10:05:24 AM



#62
Toluene
Concen: 20.709 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.5	68.3





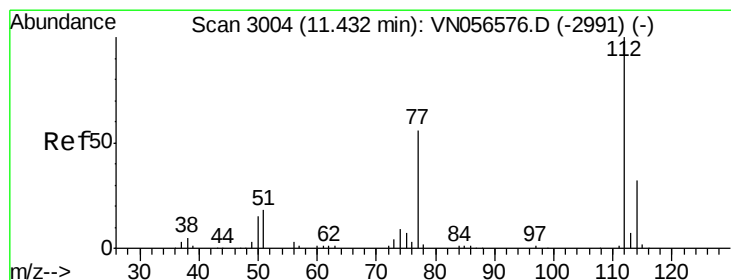
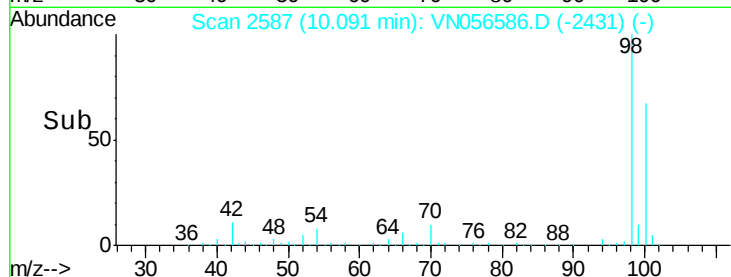
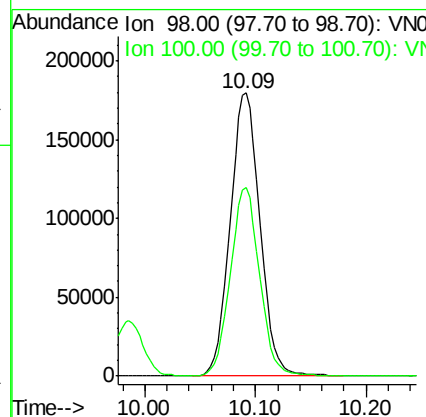
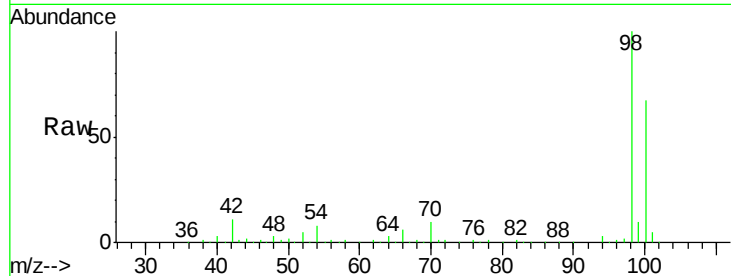
#63
Toluene-d8
Concen: 30.417 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion: 98 Resp: 336600
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

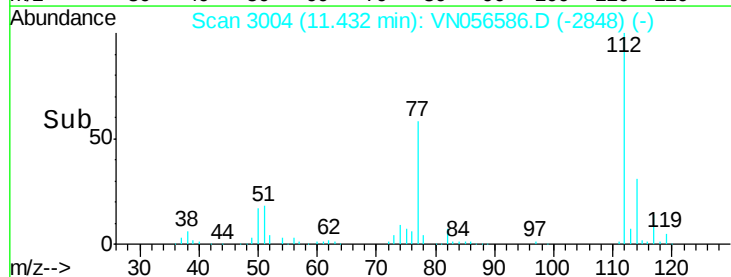
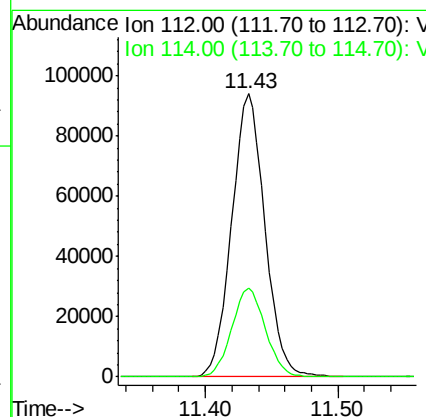
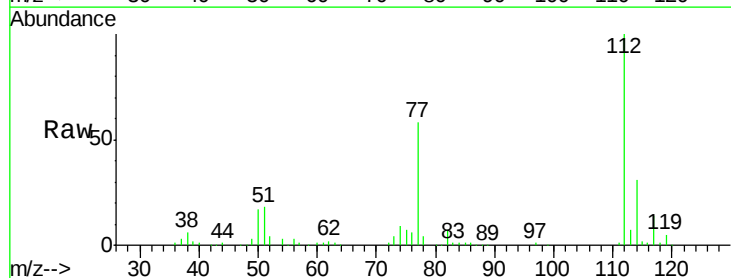
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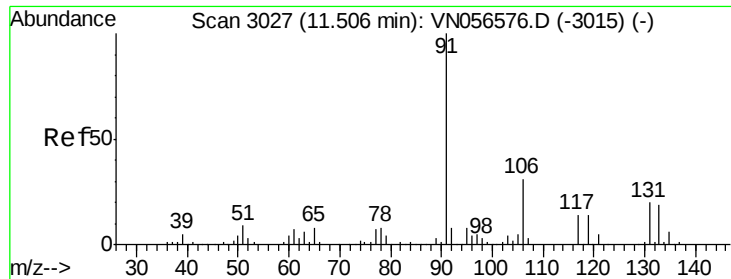
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#64
Chlorobenzene
Concen: 20.385 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion: 112 Resp: 163223
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1





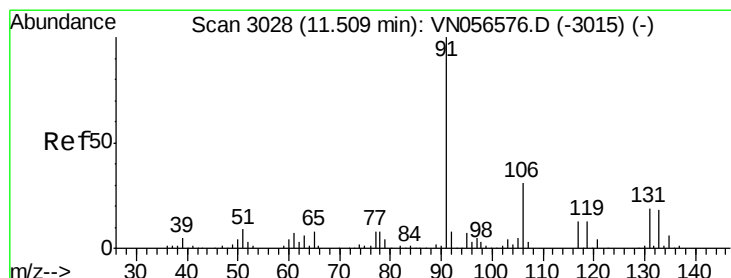
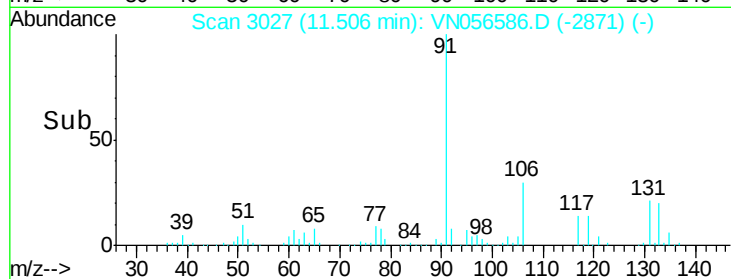
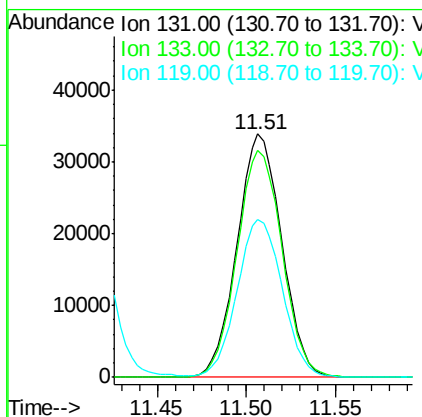
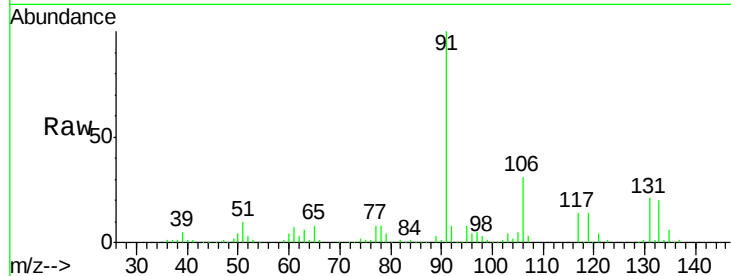
#65
1,1,1,2-Tetrachloroethane
Concen: 20.515 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	59161		
133	94.2	0.0	193.8	
119	65.9	0.0	134.4	

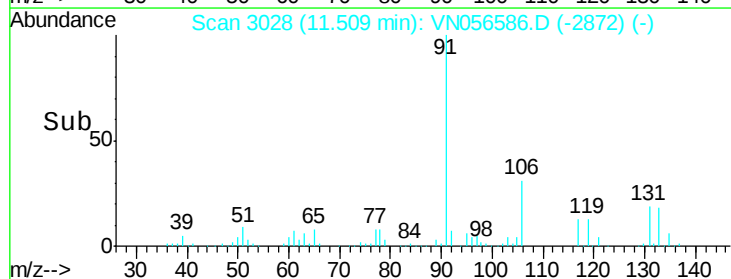
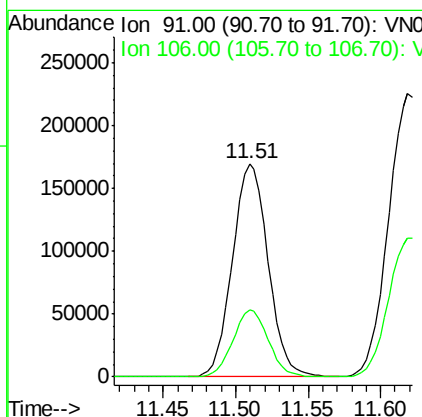
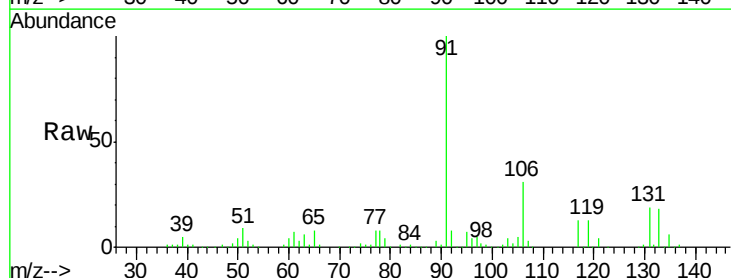
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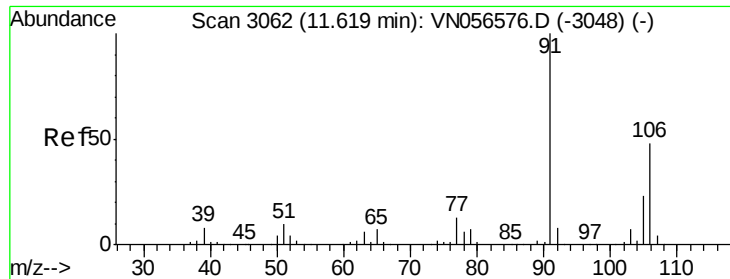
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#66
Ethyl Benzene
Concen: 20.108 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	289776		
106	31.2	25.7	38.5	





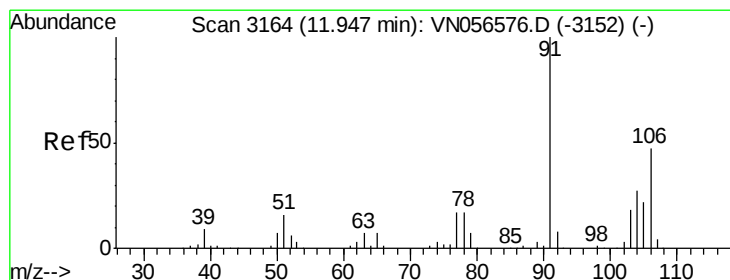
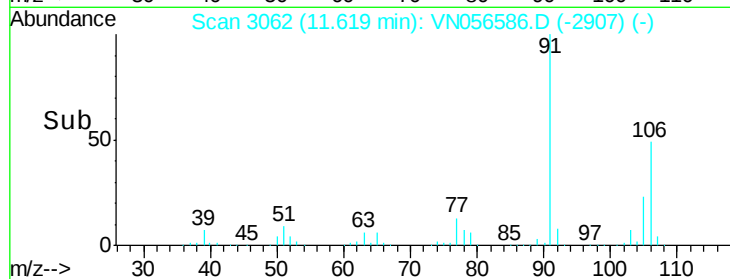
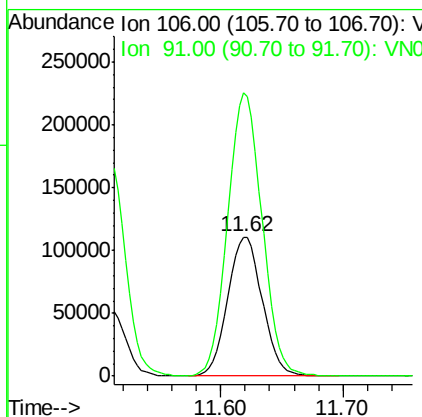
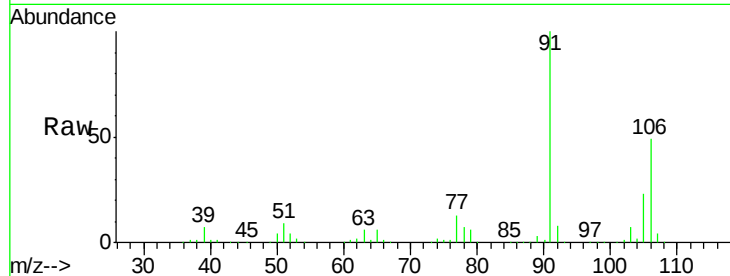
#67
m/p-Xvlenes
Concen: 41.110 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0703WBSD01

Tot Ion:106 Resp: 218630
Ion Ratio Lower Upper
106 100
91 202.3 155.7 233.5

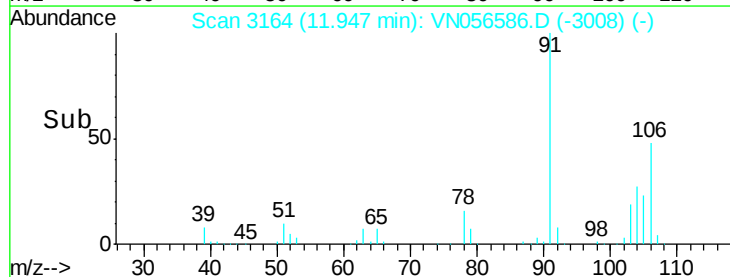
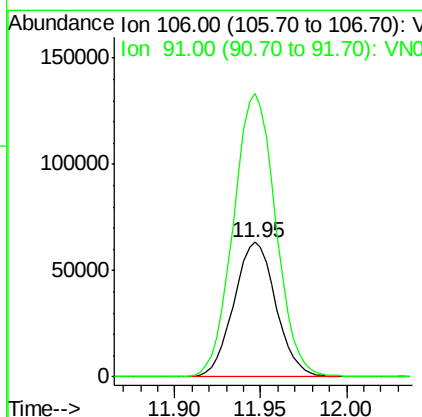
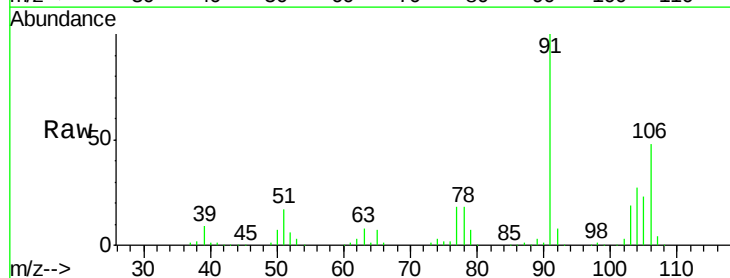
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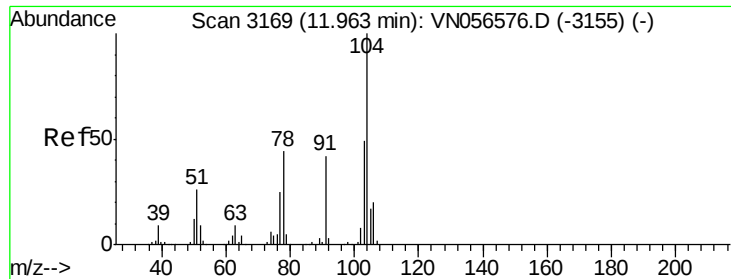
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#68
o-Xylene
Concen: 20.487 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion:106 Resp: 107750
Ion Ratio Lower Upper
106 100
91 211.8 103.9 311.7





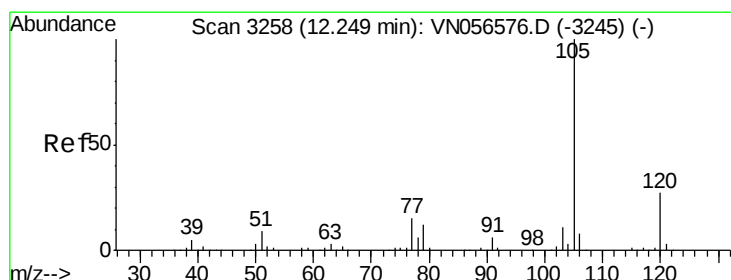
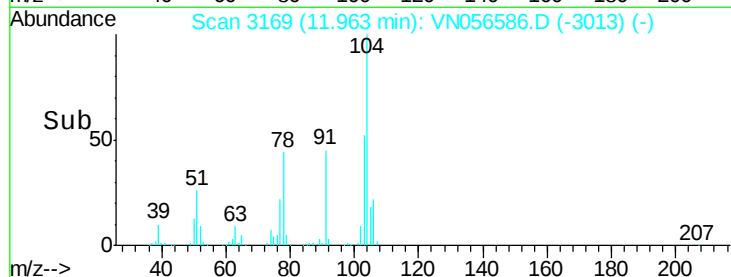
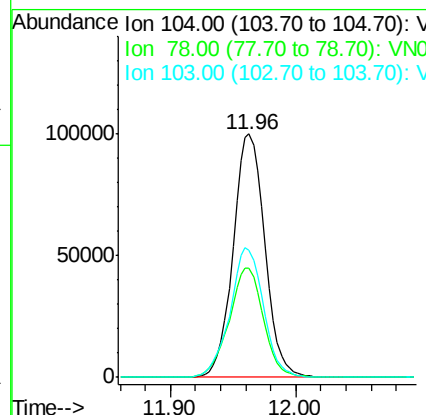
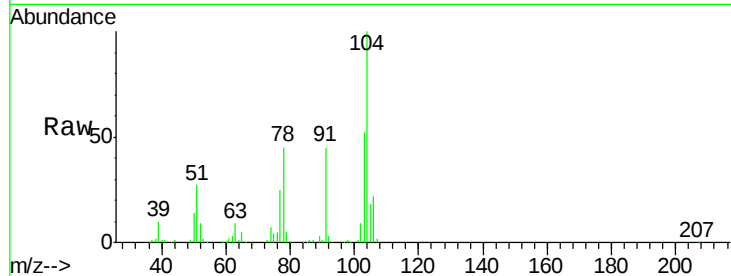
#69
Stvrene
Concen: 20.071 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	37.0	55.6
103	56.2	44.4	66.6

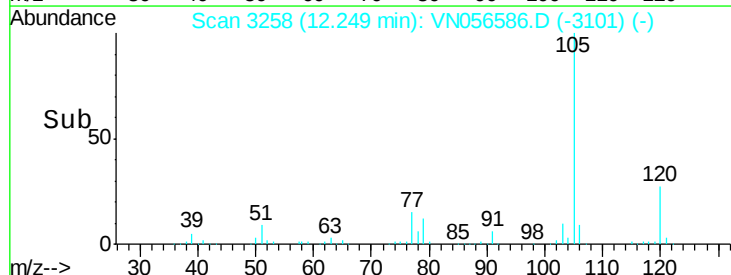
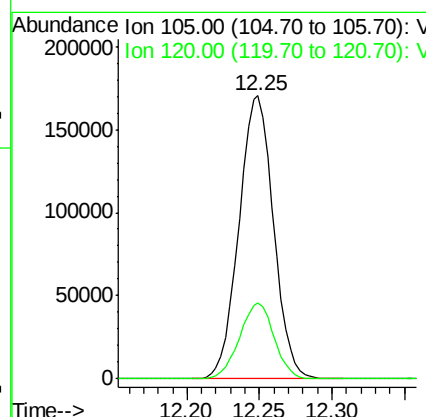
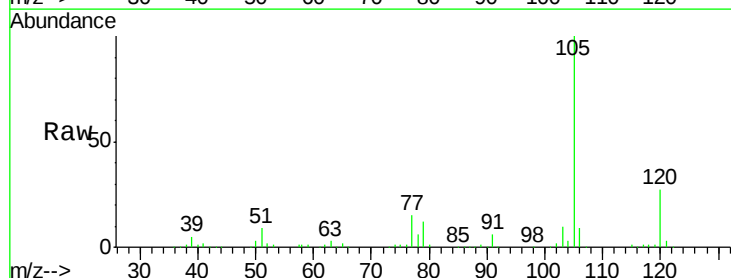
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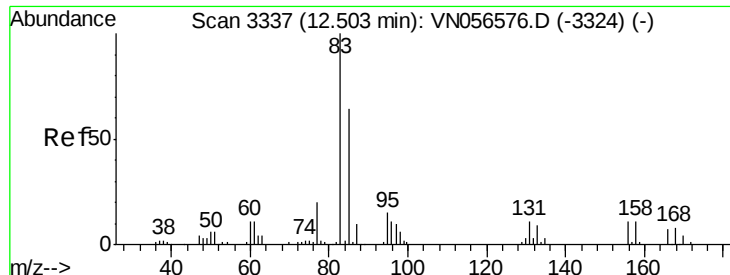
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#70
Isopropylbenzene
Concen: 20.498 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.3	35.8





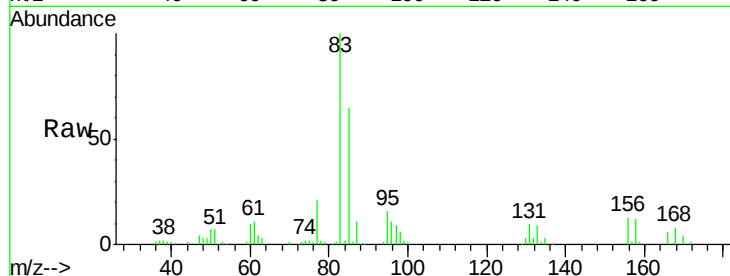
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.348 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

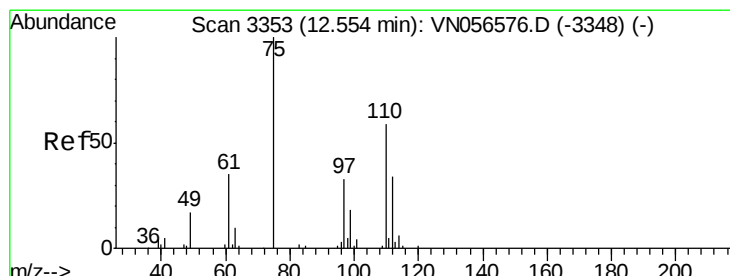
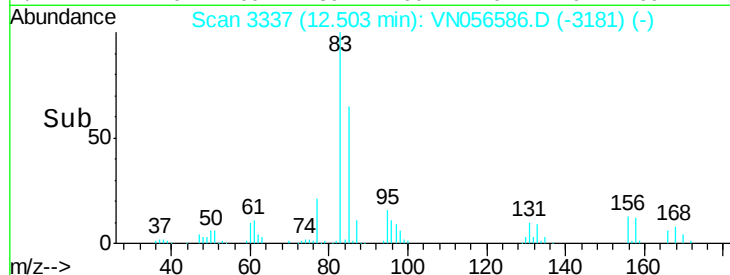
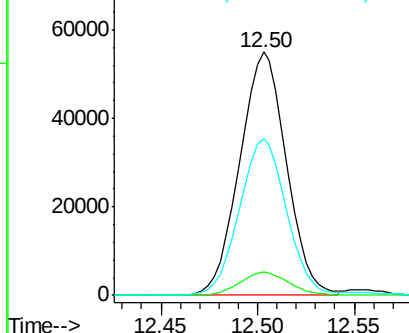
Tot Ion	83	Resp	92315
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.2	15.6
85	64.7	31.6	94.7

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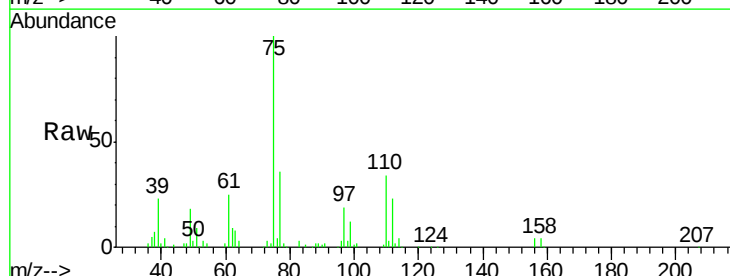


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

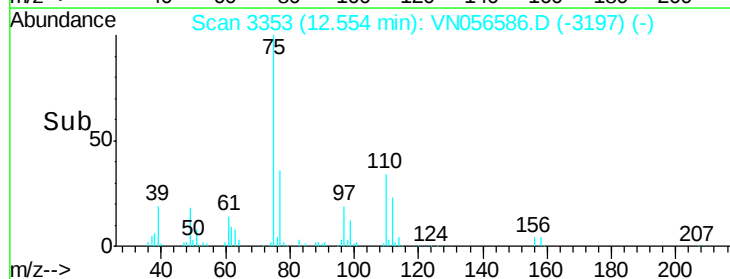
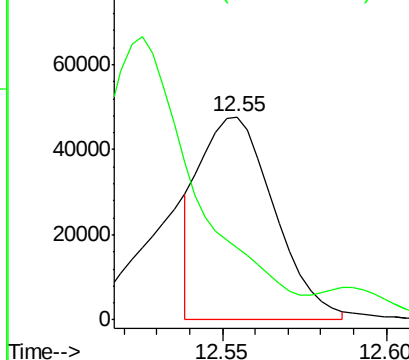


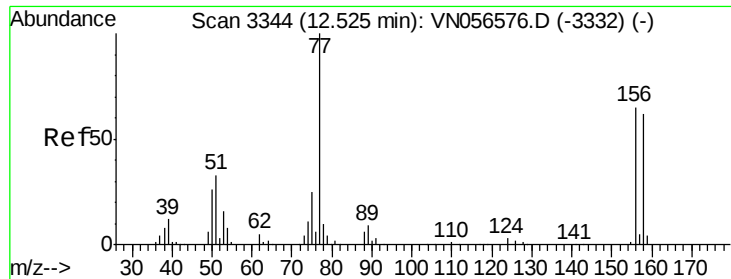
#72
 1,2,3-Trichloropropane
 Concen: 19.732 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	75	Resp	75282
Ion Ratio	100	Lower	Upper
75	100		
77	186.1	0.0	350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.266 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

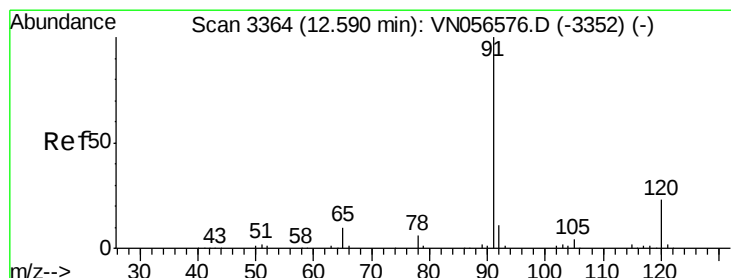
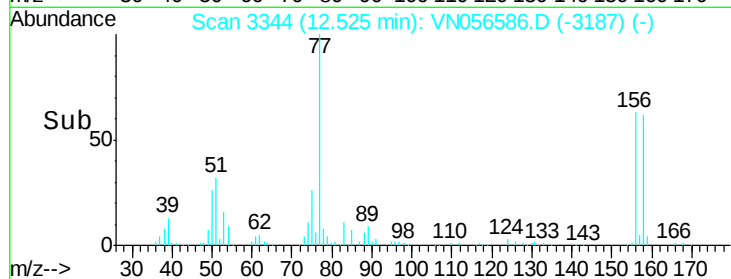
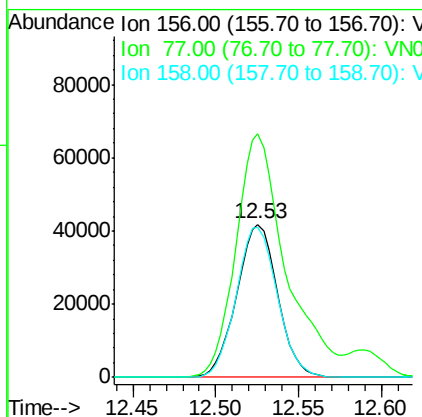
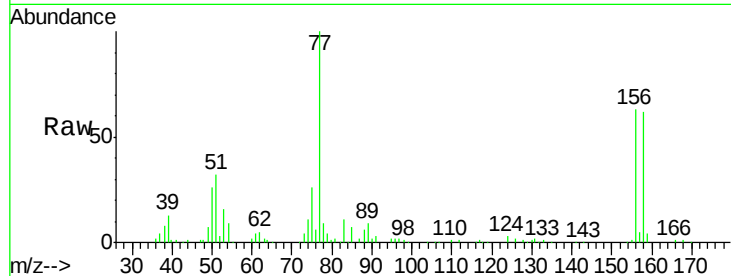
ClientSampled :

VN0703WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	195.4	0.0	350.8	
158	99.0	0.0	193.2	

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#74

n-propylbenzene

Concen: 19.884 ug/l

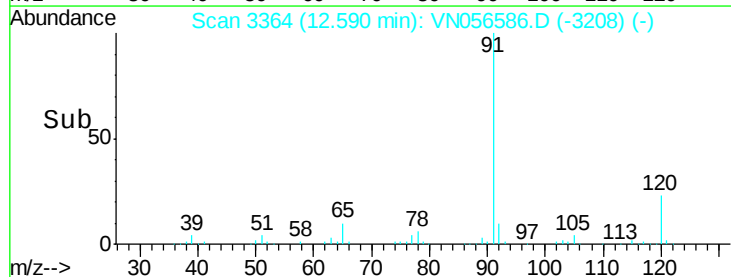
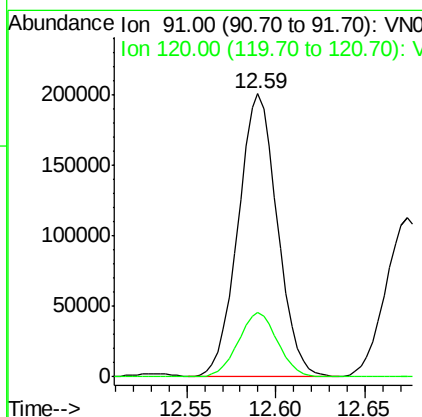
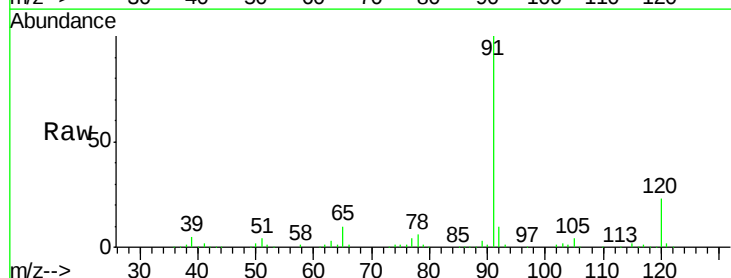
RT: 12.59 min Scan# 3364

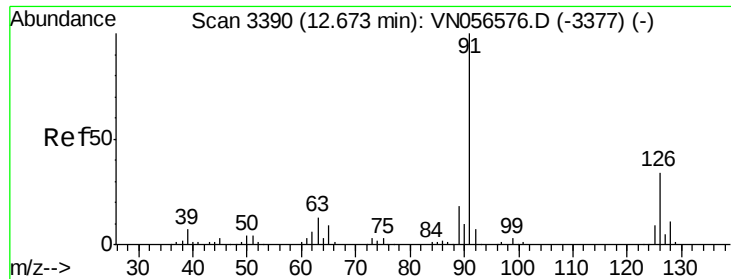
Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	0.0	48.6	





#75

2-Chlorotoluene

Concen: 20.329 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

VN0703WBSD01

Tot Ion: 91 Resp: 189249

Ion Ratio Lower Upper

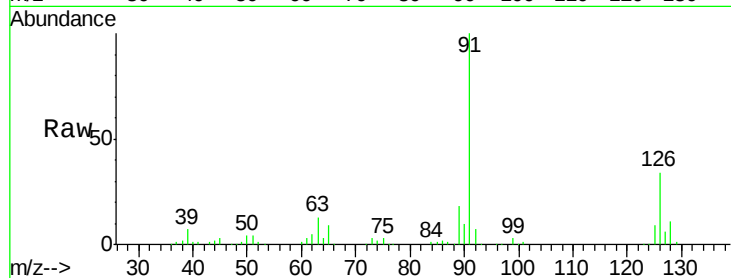
91 100

126 35.1 0.0 72.4

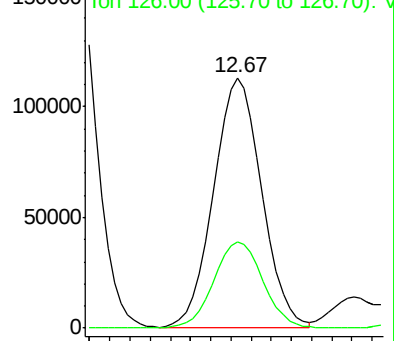
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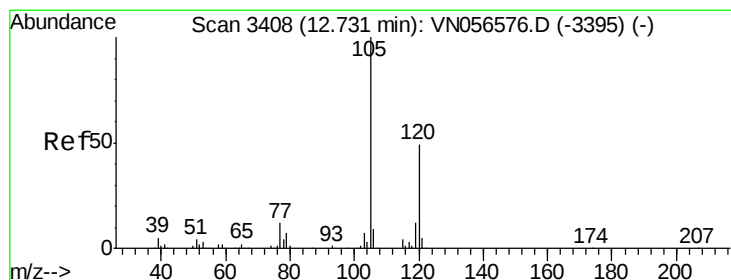
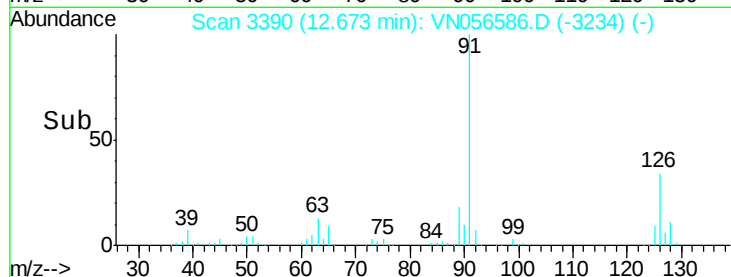
7/8/2019 10:05:24 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056586.D (-3234) (-)



Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 20.333 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056586.D

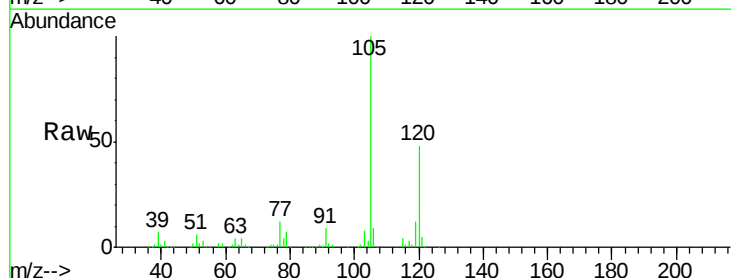
Acq: 3 Jul 2019 14:35

Tgt Ion: 105 Resp: 236274

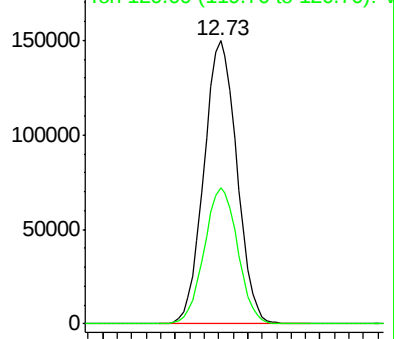
Ion Ratio Lower Upper

105 100

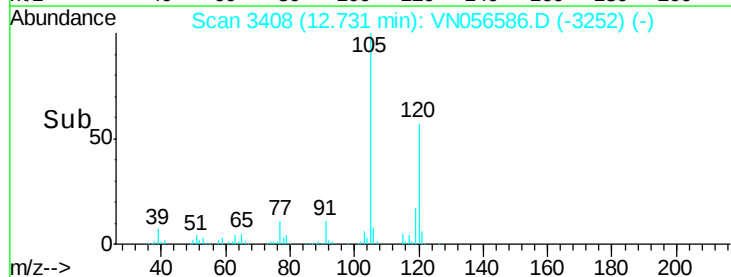
120 48.7 0.0 100.6

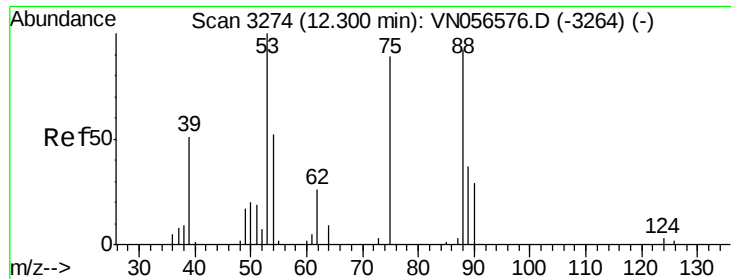


Abundance Ion 105.00 (104.70 to 105.70): VN056586.D (-3252) (-)



Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 17.867 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

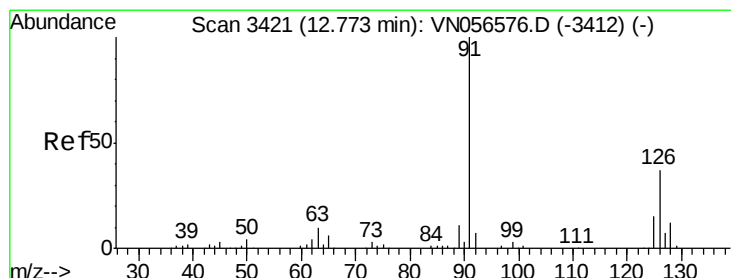
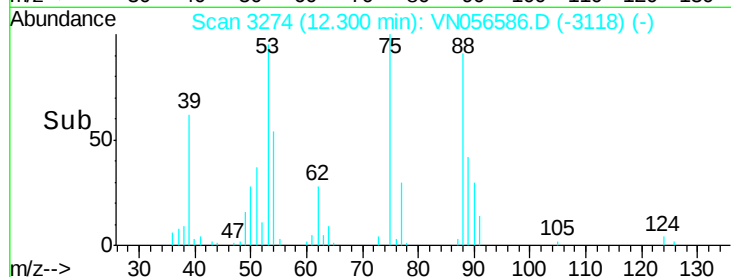
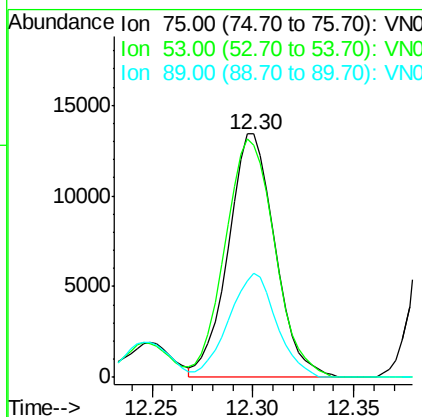
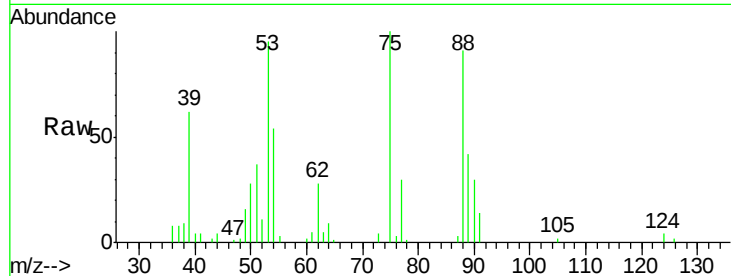
ClientSampled :

VN0703WBSD01

Tot Ion:	75	Resp:	21834
Ion	Ratio	Lower	Upper
75	100		
53	95.2	48.0	144.0
89	42.5	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.276 ug/l

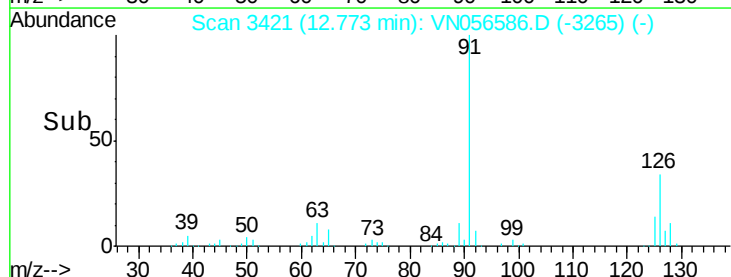
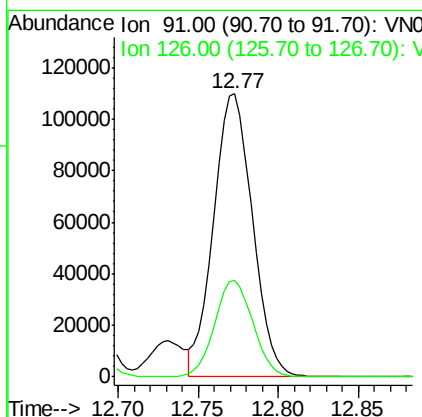
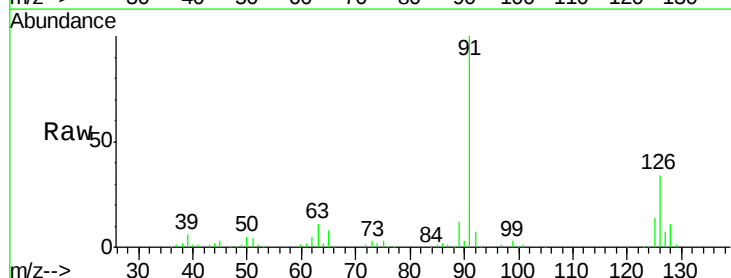
RT: 12.77 min Scan# 3421

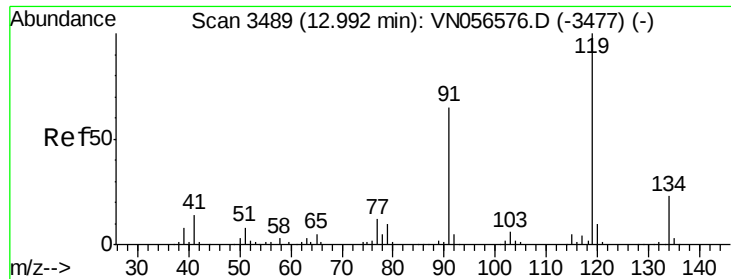
Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Tgt Ion:	91	Resp:	183576
Ion	Ratio	Lower	Upper
91	100		
126	33.4	0.0	71.8





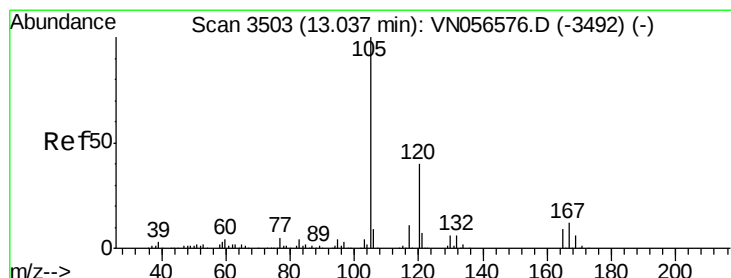
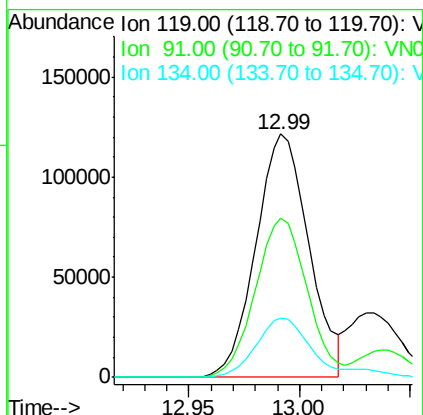
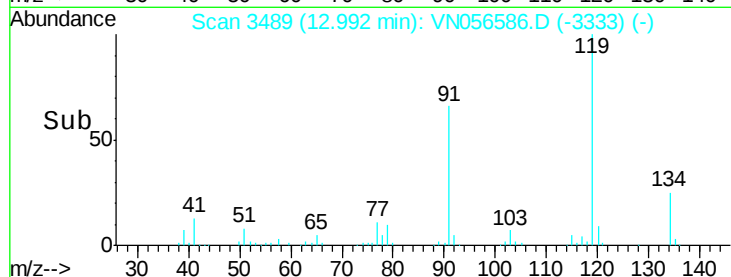
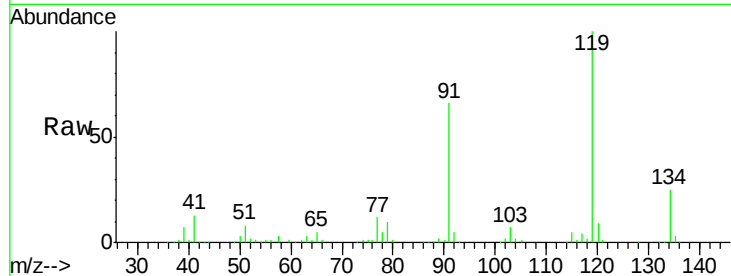
#79
tert-butylbenzene
Concen: 20.409 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202622		
91	64.2	0.0	122.8	
134	24.9	0.0	50.2	

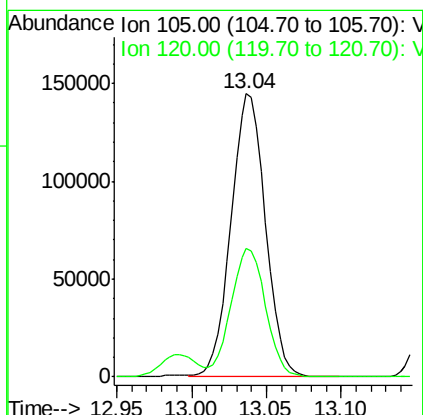
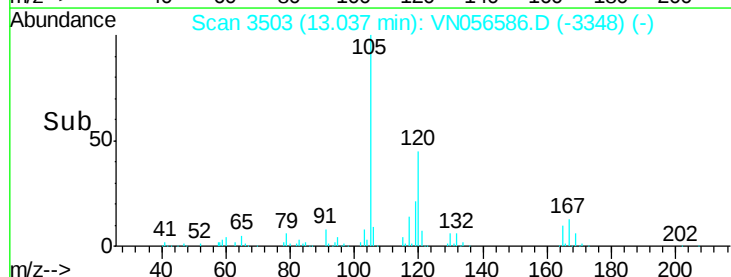
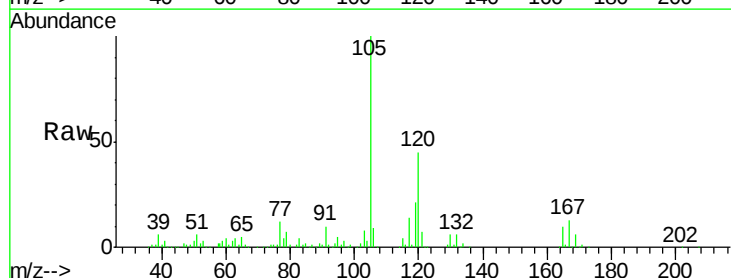
Manual Integrations
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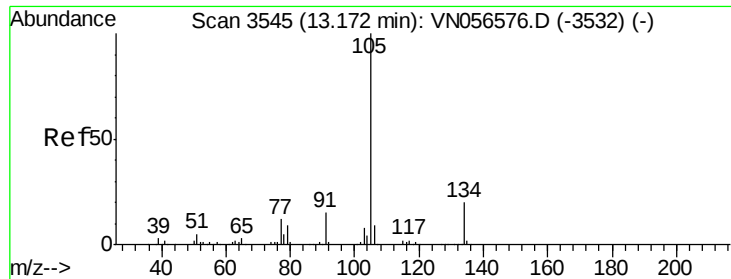
MMDadoda
7/8/2019 10:05:24 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.148 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231239		
120	45.7	0.0	93.4	





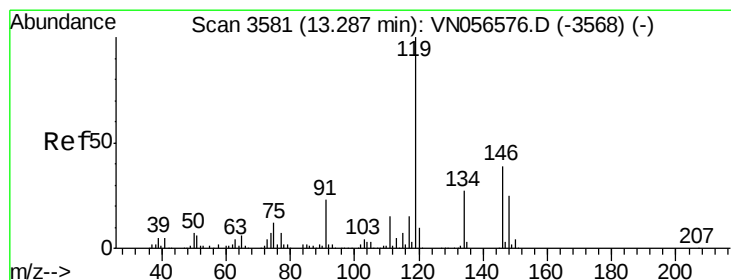
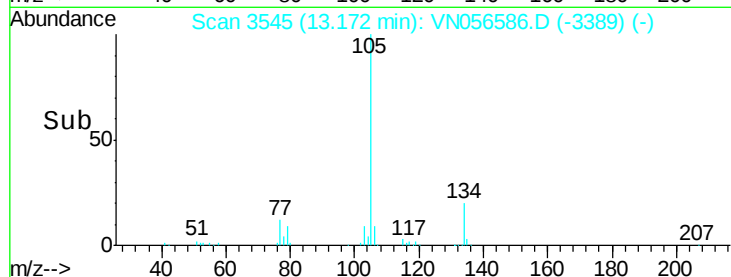
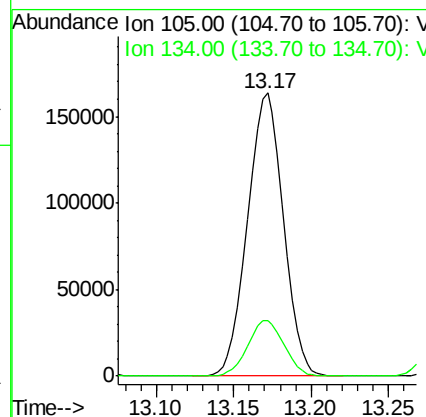
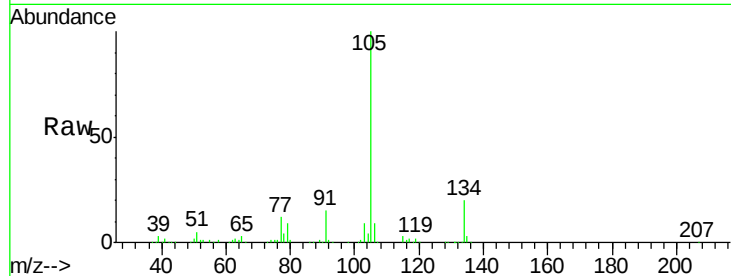
#81
 sec-Butylbenzene
 Concen: 20.089 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	264485		
134	19.8	0.0	41.8	

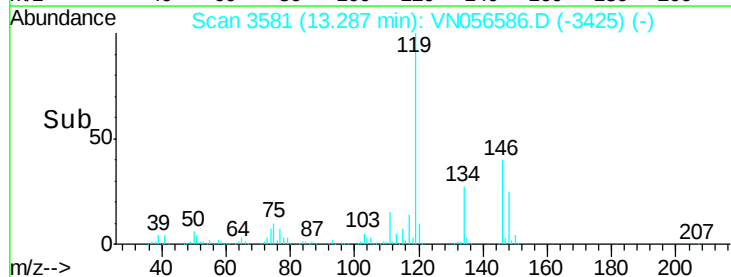
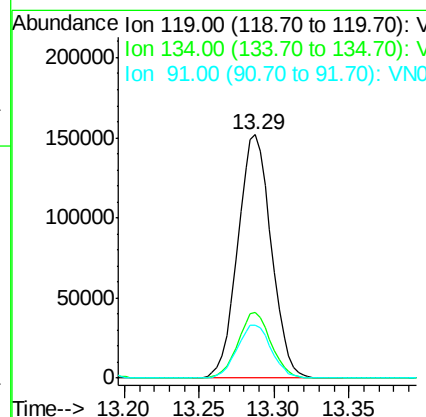
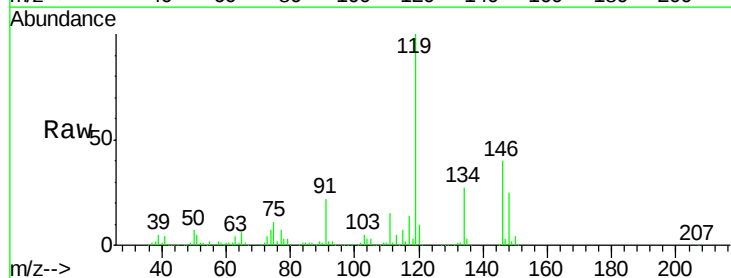
Manual Integrations
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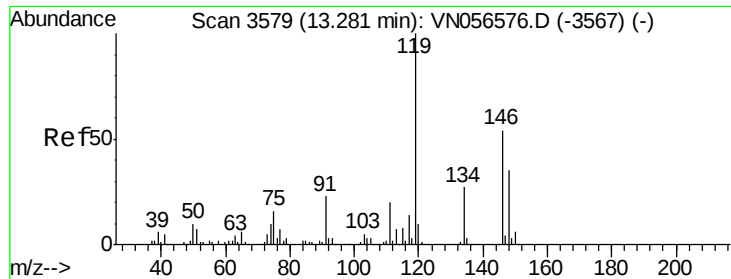
MMDadoda
 7/8/2019 10:05:24 AM



#82
 p-Isopropyltoluene
 Concen: 19.954 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	236191		
134	26.5	0.0	53.4	
91	22.3	0.0	43.0	





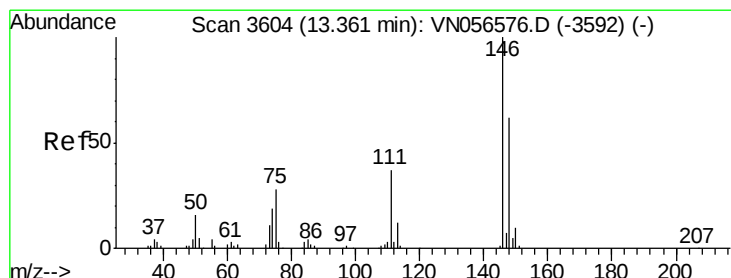
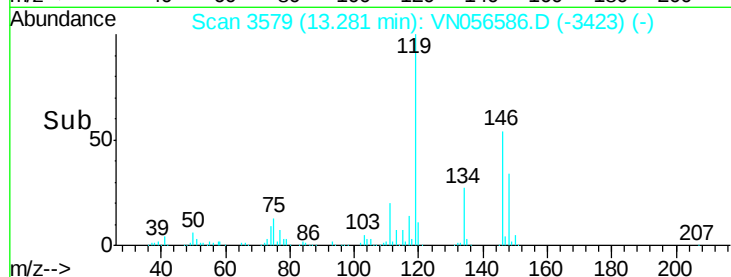
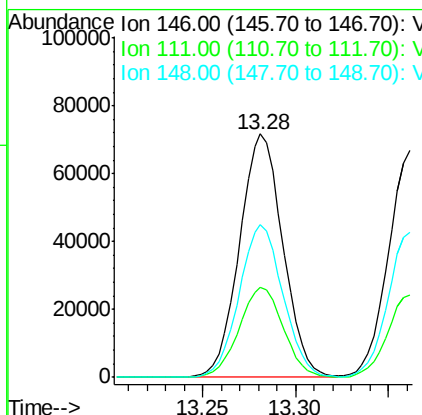
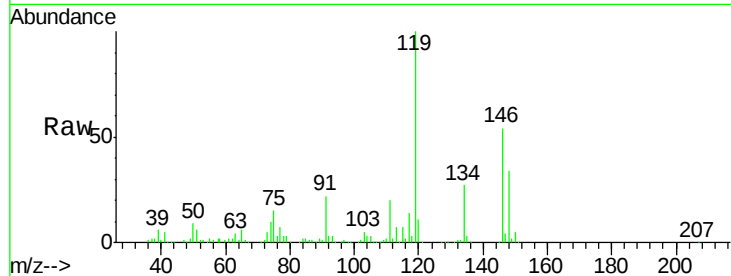
#83
1,3-Dichlorobenzene
Concen: 19.815 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.2	54.6
148	63.2	31.9	95.9

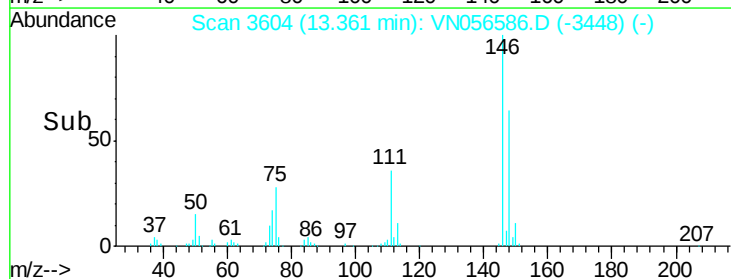
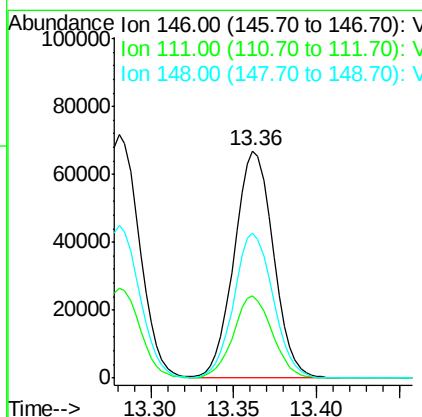
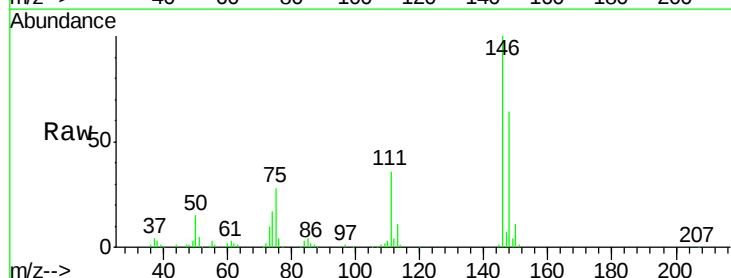
Manual Integrations
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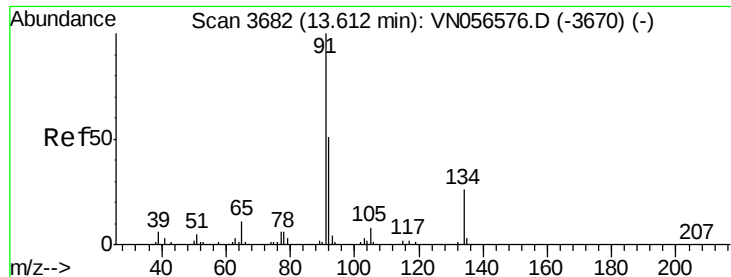
MMDadoda
7/8/2019 10:05:24 AM



#84
1,4-Dichlorobenzene
Concen: 19.313 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN056586.D
Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.6	52.9
148	64.4	32.1	96.3





#85

n-Butylbenzene

Concen: 18.870 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

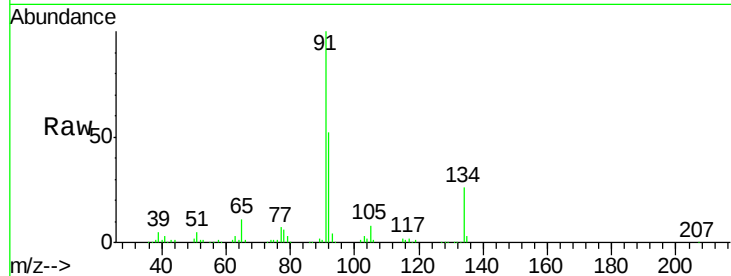
ClientSampleId :

VN0703WBSD01

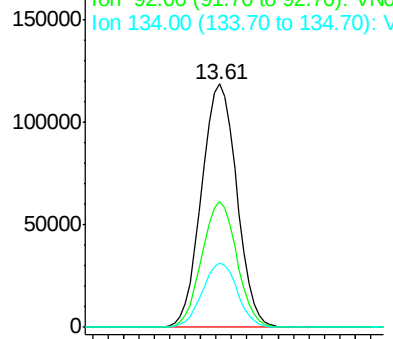
Tot Ion:	91	Resp:	187707
Ion Ratio	Lower	Upper	
91	100		
92	51.2	0.0	107.2
134	26.1	0.0	55.8

Manual Integrations
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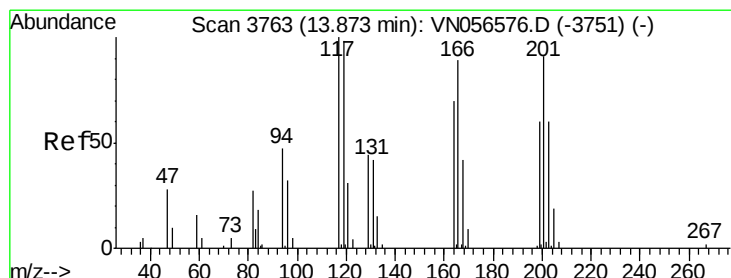
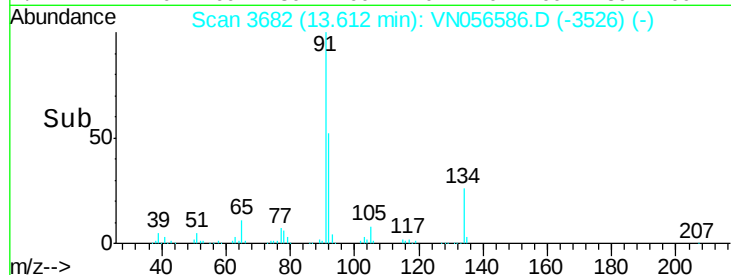
MMDadoda
7/8/2019 10:05:24 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3670) (-)



Time-->



#86

Hexachloroethane

Concen: 18.359 ug/l

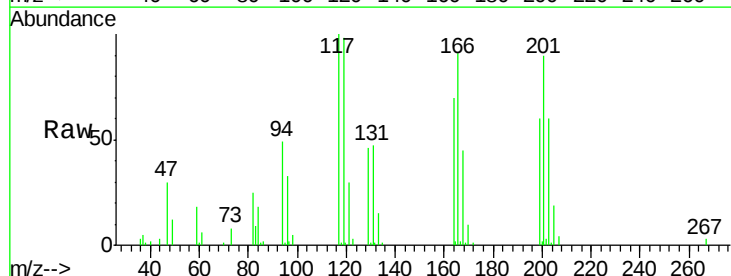
RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

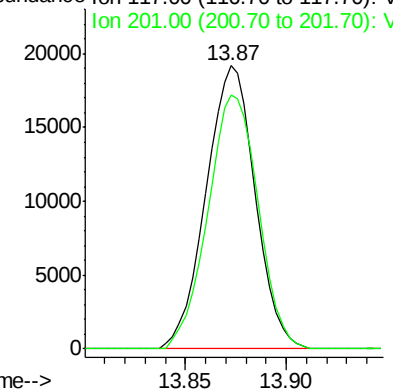
Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

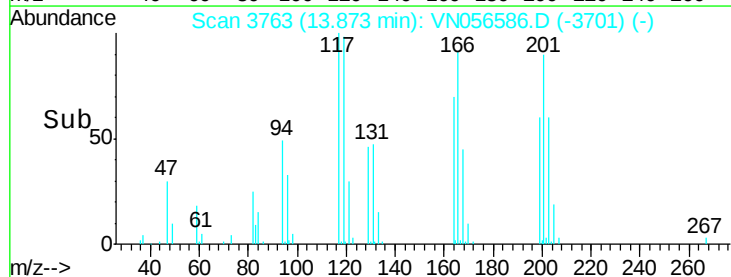
Tgt Ion:	117	Resp:	32768
Ion Ratio	Lower	Upper	
117	100		
201	91.6	48.1	144.4

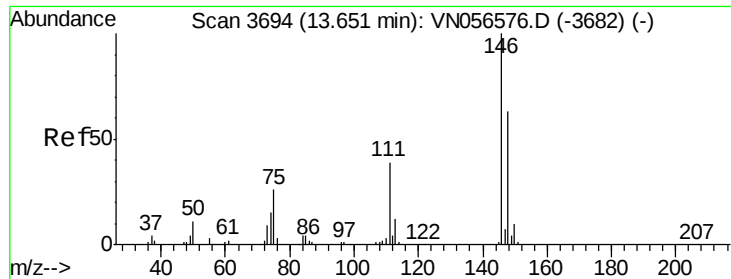


Abundance Ion 117.00 (116.70 to 117.70): VN056576.D (-3751) (-)



Time-->





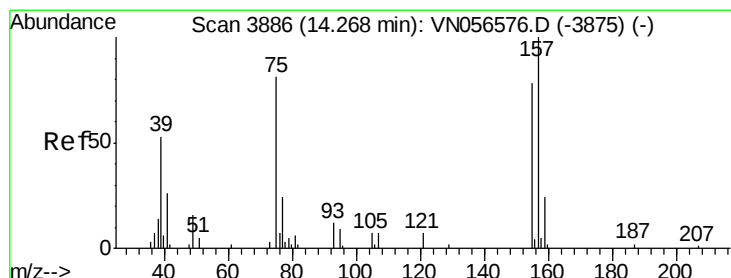
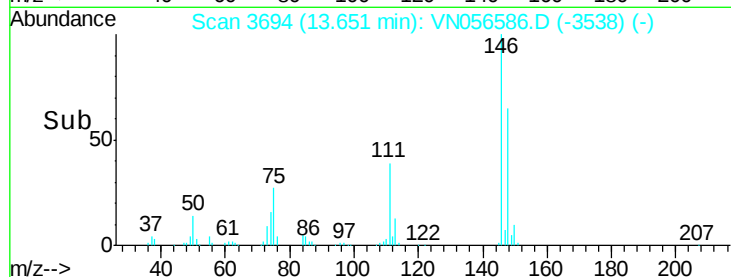
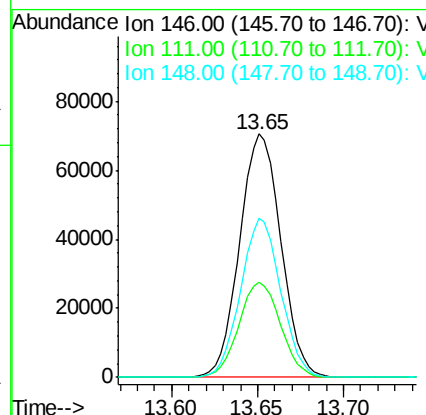
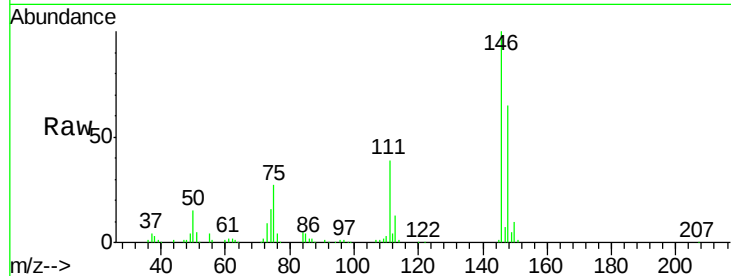
#87
 1,2-Dichlorobenzene
 Concen: 19.686 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	63.7	32.6	97.8

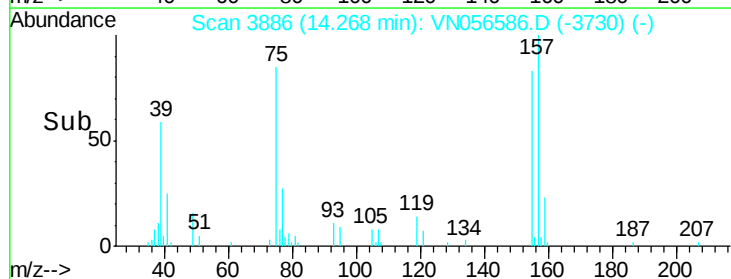
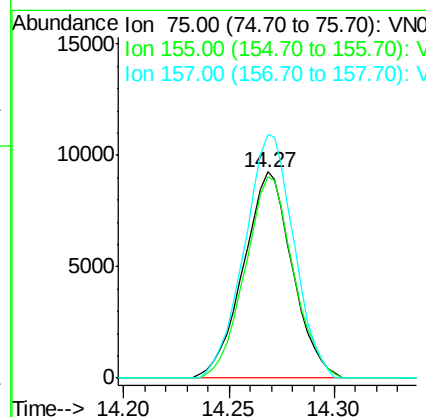
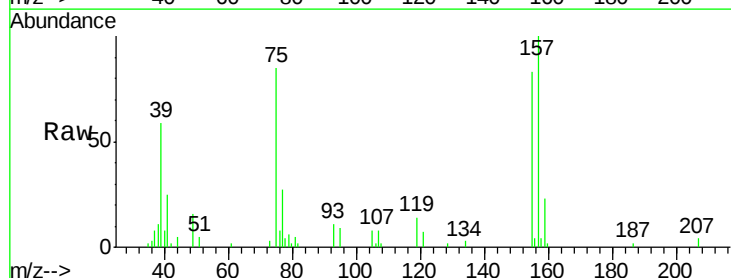
Manual Integrations
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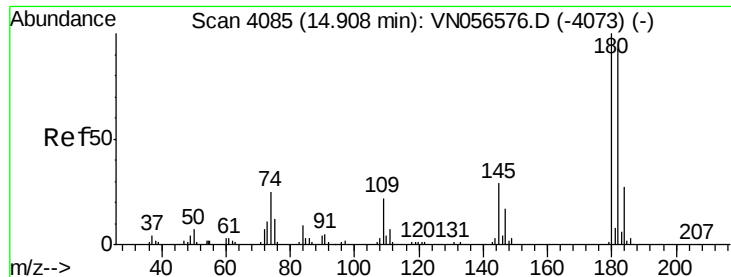
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.374 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056586.D
 Acq: 3 Jul 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	82.5	123.7
157	119.1	105.1	157.7





#89

1,2,4-Trichlorobenzene

Concen: 17.129 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

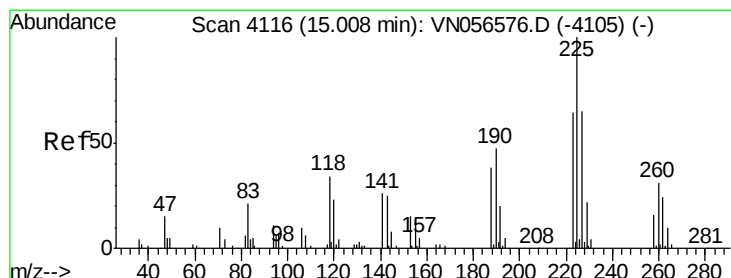
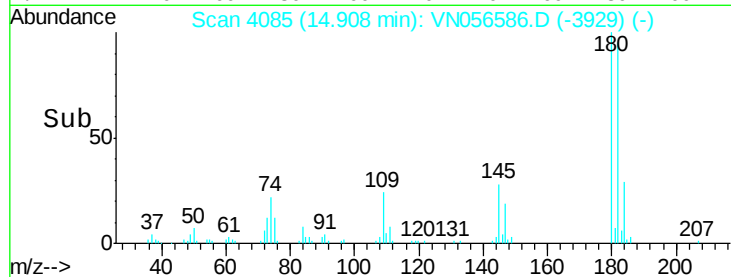
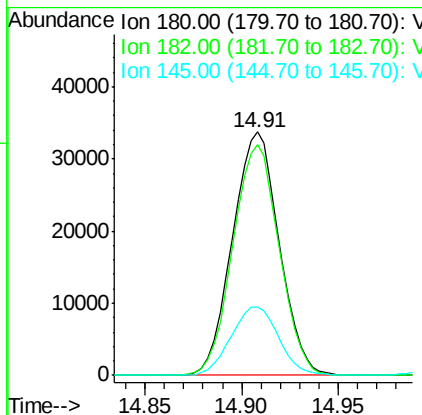
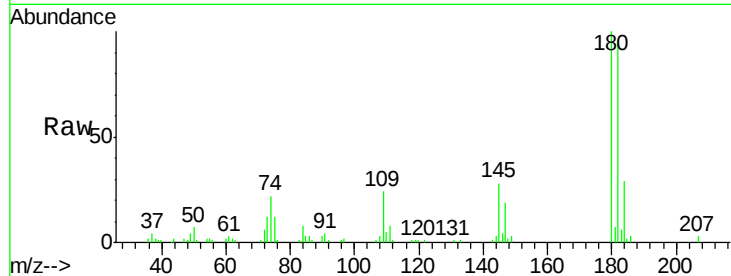
ClientSampleId :

VN0703WBSD01

Tot Ion:	180	Resp:	56508
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.0	112.6
145	28.7	22.1	33.1

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 19.554 ug/l

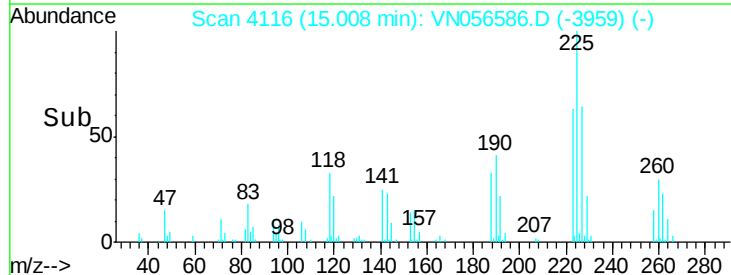
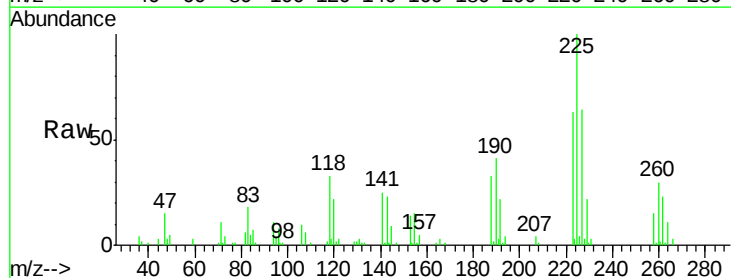
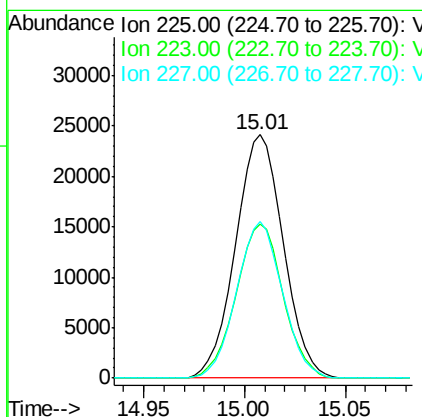
RT: 15.01 min Scan# 4116

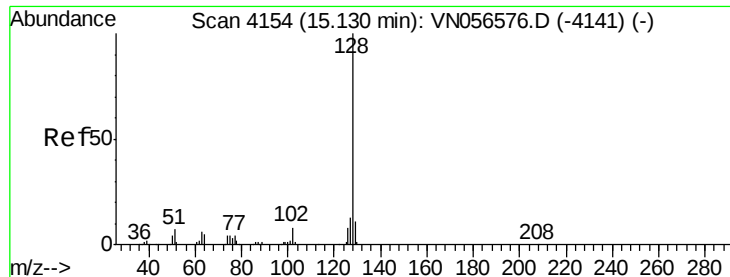
Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Tgt Ion:	225	Resp:	40079
Ion Ratio	Lower	Upper	
225	100		
223	62.3	0.0	125.6
227	61.7	0.0	128.6





#91

Naphthalene

Concen: 17.316 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Instrument :

MSVOA_N

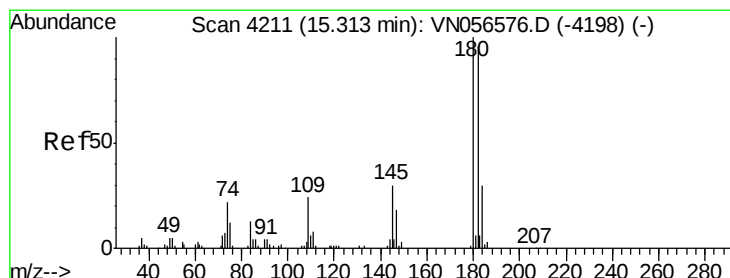
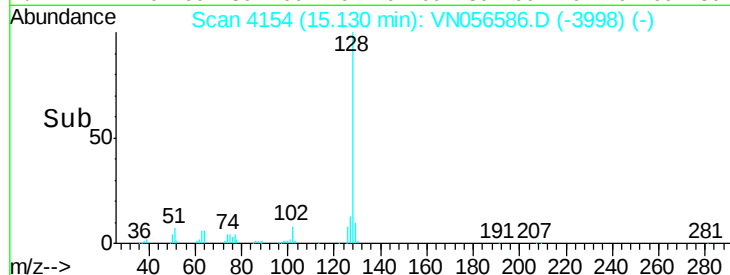
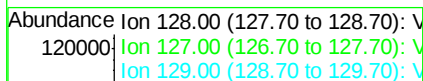
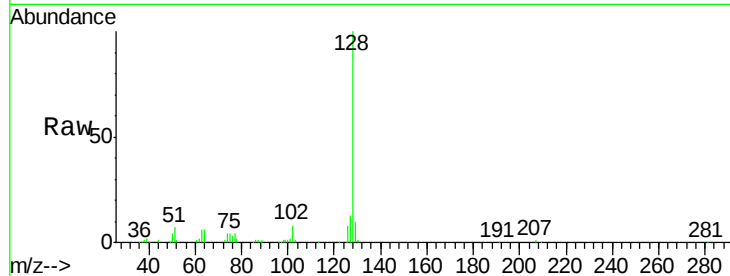
ClientSampleId :

VN0703WBSD01

Tot Ion:	128	Resp:	160303
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:24 AM



#92

1,2,3-Trichlorobenzene

Concen: 17.992 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056586.D

Acq: 3 Jul 2019 14:35

Tgt Ion:	180	Resp:	62309
Ion Ratio	Lower	Upper	
180	100		
182	95.5	0.0	193.4
145	31.1	0.0	59.8

