

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056579.D
 Acq On : 3 Jul 2019 10:42
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:00 AM

Quant Time: Jul 03 11:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:49:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	48528	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	277988	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	252027	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	100713	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	12.40	95	119356	31.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.43%
63) Toluene-d8	10.09	98	341061	28.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	378044	156.741	ug/l 99
3) Chloromethane	2.06	50	542489	154.519	ug/l 98
4) Vinyl Chloride	2.18	62	509492	154.103	ug/l 99
5) Bromomethane	2.52	94	243420m	134.384	ug/l
6) Chloroethane	2.67	64	280439m	152.929	ug/l
7) Trichlorofluoromethane	3.00	101	647848	152.293	ug/l 98
8) Diethyl Ether	3.41	74	280877	156.536	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	404928	149.711	ug/l 96
10) 1,1-Dichloroethene	3.73	96	412021	156.715	ug/l 95
11) Methyl Iodide	3.95	142	641999	174.850	ug/l 99
12) Methyl Acetate	4.32	43	518988	143.891	ug/l 97
13) Acrolein	3.60	56	262419	751.631	ug/l 98
14) Acrylonitrile	4.99	53	1239775	799.745	ug/l 99
15) Acetone	3.82	58	324519	738.101	ug/l 93
16) Carbon Disulfide	4.05	76	1080069	174.967	ug/l 100
17) Allyl chloride	4.32	41	747534	164.047	ug/l 98
18) Methylene Chloride	4.54	84	473454	151.198	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	443734	155.322	ug/l 91
20) Diisopropyl ether	5.95	45	1467903	153.839	ug/l 96
21) 1,1-Dichloroethane	5.85	63	830177	154.336	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	521263	155.119	ug/l 94
23) tert-Butyl Alcohol	4.80	59	447835	765.261	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1364186	156.920	ug/l 99
25) Chloroform	7.37	83	802039	151.562	ug/l 98
26) Cyclohexane	7.65	56	777790	157.683	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	629742	154.287	ug/l 98
30) 2-Butanone	6.84	43	1689833	740.719	ug/l 98
31) 2,2-Dichloropropane	6.82	77	610444	155.867	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	667122	153.070	ug/l 98
33) Carbon Tetrachloride	7.77	117	583888	159.356	ug/l 99
34) Benzene	8.04	78	1905844	148.096	ug/l # 91
35) Methacrylonitrile	7.18	41	313045	156.172	ug/l 95
36) 1,2-Dichloroethane	8.12	62	613074	146.203	ug/l 97
37) Trichloroethene	8.83	130	506393	151.583	ug/l 93
38) Methylcyclohexane	9.08	83	794542	155.600	ug/l 99
39) 1,2-Dichloropropane	9.12	63	517243	149.610	ug/l 95
40) Dibromomethane	9.21	93	321637	150.726	ug/l 94

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

41) Bromodichloromethane	9.40	83	626234	160.377	ug/l	99
42) Vinyl Acetate	5.90	43	6285762	782.446	ug/l	98
43) Ethyl Acetate	6.93	43	659809	149.852	ug/l	99
44) Isopropyl Acetate	8.17	43	1066048	156.574	ug/l #	86
45) 1,4-Dioxane	9.20	88	207139	3103.568	ug/l	94
46) Methyl methacrylate	9.20	41	519097	154.806	ug/l	96
47) n-amyl Acetate	12.07	43	934663	167.556	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	711550	172.804	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	790151	164.605	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	471905	149.962	ug/l	96
51) Ethyl methacrylate	10.43	69	780191	159.399	ug/l	96
52) 1,3-Dichloropropane	10.71	76	802189	150.031	ug/l	99
53) Dibromochloromethane	10.90	129	503440	166.913	ug/l	98
54) 1,2-Dibromoethane	11.00	107	504905	155.026	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2000775	803.597	ug/l	98
56) Bromoform	12.13	173	383986	177.662	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	3301631	723.458	ug/l	97
59) 2-Hexanone	10.75	43	2486344	736.833	ug/l	99
61) Tetrachloroethene	10.63	164	453232	141.692	ug/l	99
62) Toluene	10.16	91	2050219	144.736	ug/l	100
64) Chlorobenzene	11.43	112	1258523	148.147	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	466688	153.664	ug/l	99
66) Ethyl Benzene	11.51	91	2298306	150.874	ug/l	97
67) m/p-Xylenes	11.62	106	1707137	304.149	ug/l	94
68) o-Xylene	11.95	106	828143	148.481	ug/l	97
69) Styrene	11.96	104	1441203	157.092	ug/l	98
70) Isopropylbenzene	12.25	105	2183488	150.435	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	704834	146.020	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	583931m	143.337	ug/l	
73) Bromobenzene	12.53	156	574084	154.109	ug/l	90
74) n-propylbenzene	12.59	91	2554477	156.349	ug/l	97
75) 2-Chlorotoluene	12.67	91	1479792	150.247	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	1863569	151.927	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	235894	192.808	ug/l	92
78) 4-Chlorotoluene	12.77	91	1510492	159.674	ug/l	98
79) tert-butylbenzene	12.99	119	1569327	149.196	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1876959	155.708	ug/l	98
81) sec-Butylbenzene	13.17	105	2130461	153.649	ug/l	98
82) p-Isopropyltoluene	13.29	119	1963476	158.515	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1003509	164.440	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	990949	169.432	ug/l	99
85) n-Butylbenzene	13.61	91	1746148	170.368	ug/l	98
86) Hexachloroethane	13.87	117	321583	176.193	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	991169	158.746	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	145894	175.295	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	675024	208.397	ug/l	99
90) Hexachlorobutadiene	15.01	225	338593	157.698	ug/l	99
91) Naphthalene	15.13	128	1866715	204.329	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	666466	192.035	ug/l	99

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ClientSampleId :
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QLast Update : Wed Jul 03 10:49:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

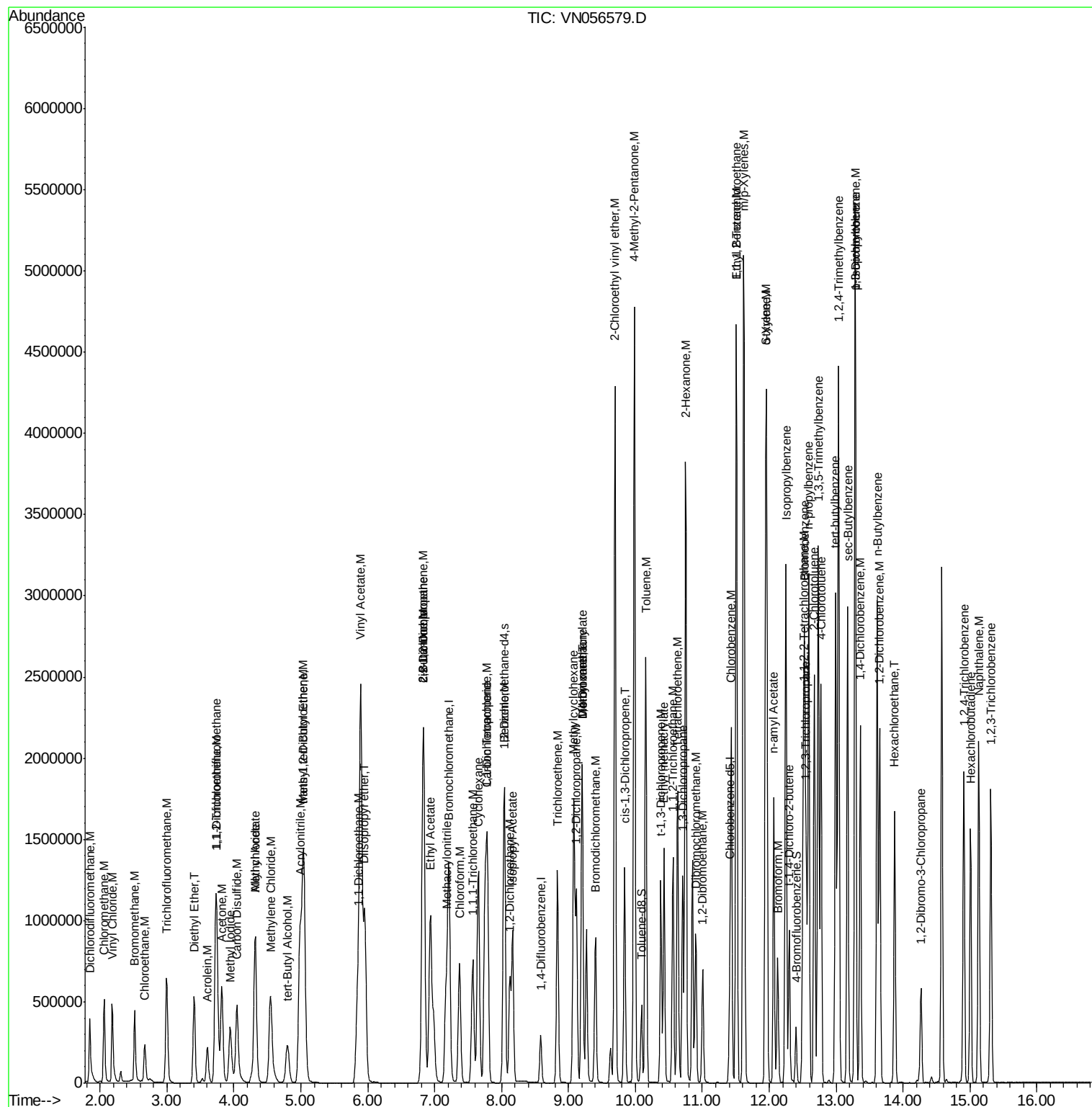
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
Data File : VN056579.D
Acq On : 3 Jul 2019 10:42
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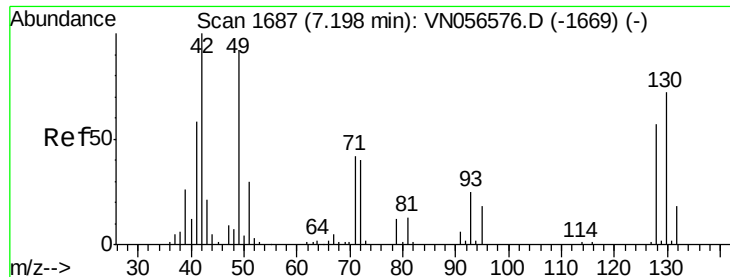
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
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QLast Update : Wed Jul 03 10:49:18 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

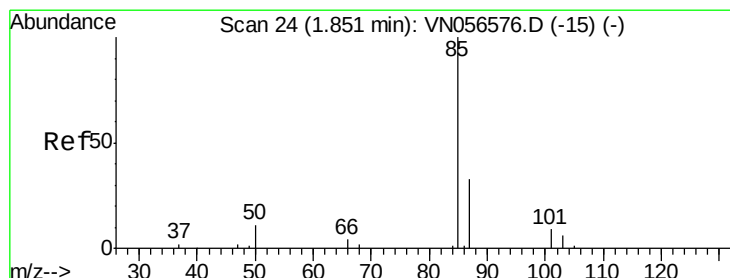
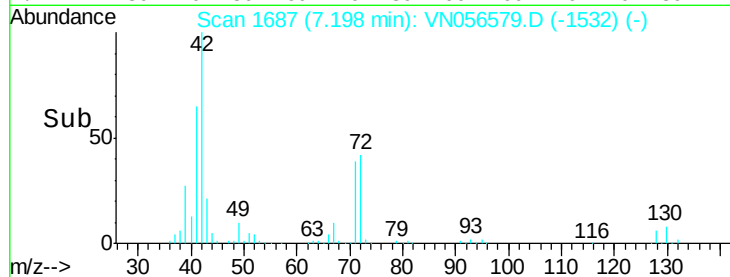
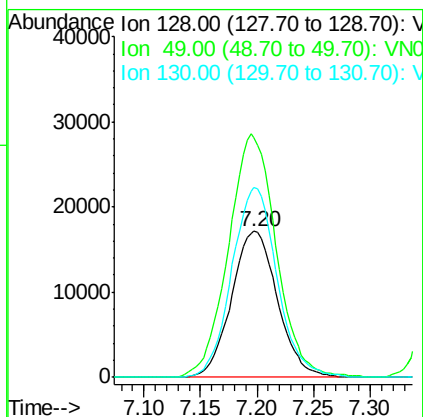
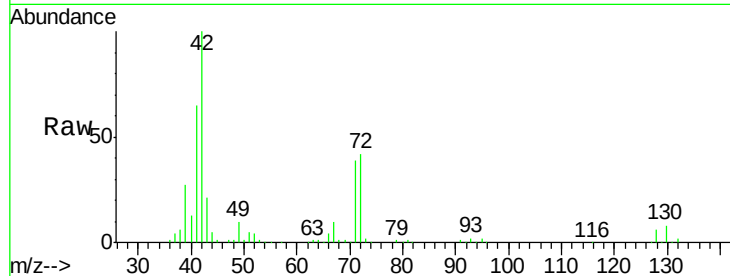
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	48528
Ion	Ratio	Lower	Upper
128	100		
49	173.1	0.0	355.8
130	128.3	0.0	326.3

Manual Integrations
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7/8/2019 10:05:00 AM



#2

Dichlorodifluoromethane

Concen: 156.741 ug/l

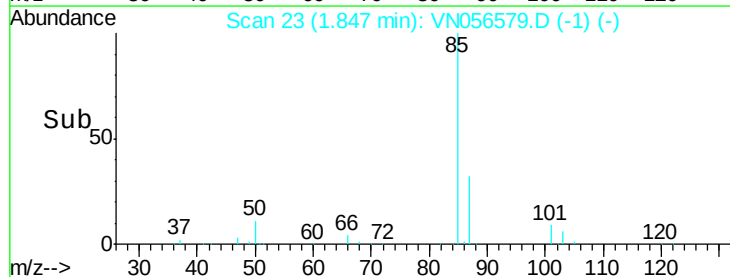
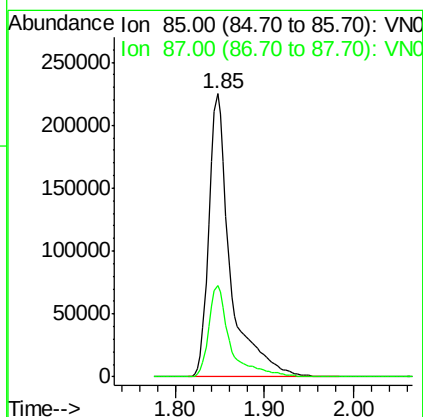
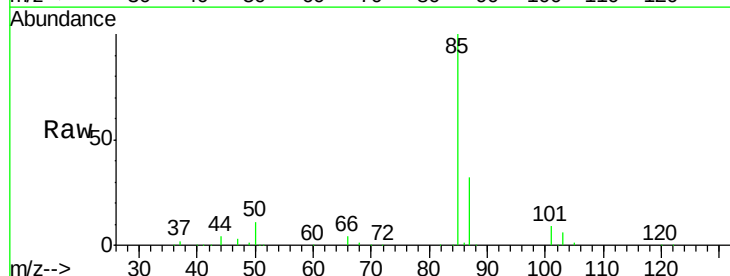
RT: 1.85 min Scan# 23

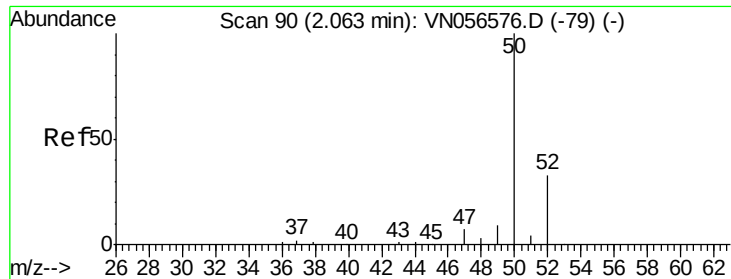
Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Tgt Ion:	85	Resp:	378044
Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.9	47.7





#3

Chloromethane

Concen: 154.519 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 542489

Ion Ratio Lower Upper

50 100

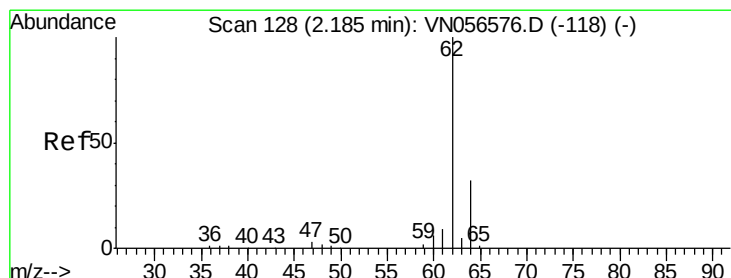
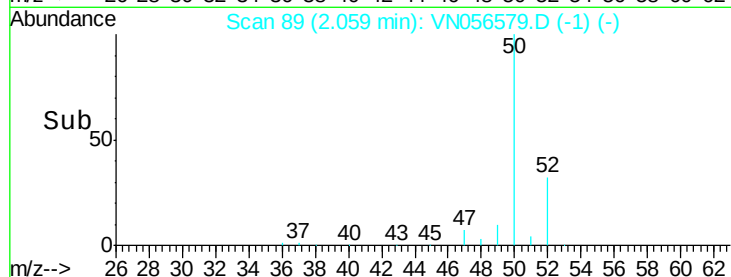
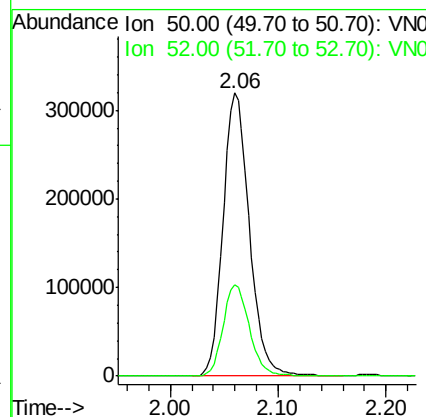
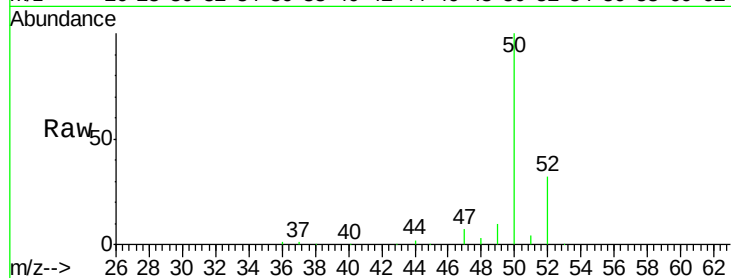
52 32.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 154.103 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056579.D

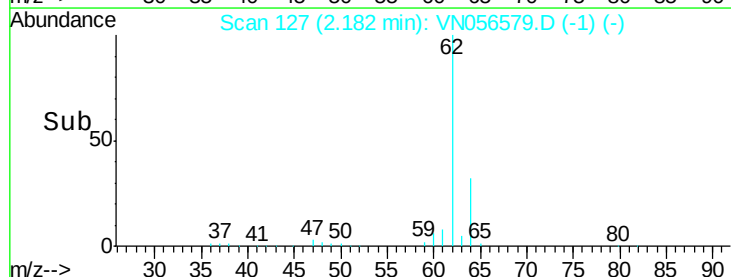
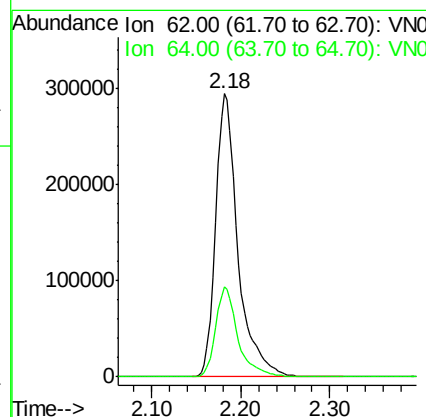
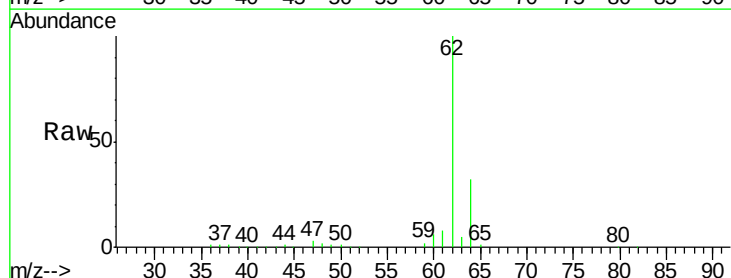
Acq: 3 Jul 2019 10:42

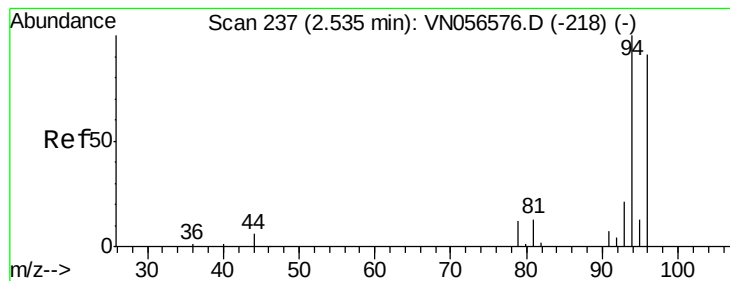
Tgt Ion: 62 Resp: 509492

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 134.384 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Tot Ion: 94 Resp: 243420

Ion Ratio Lower Upper

94 100

96 94.1 74.1 111.1

Instrument :

MSVOA_N

ClientSampleId :

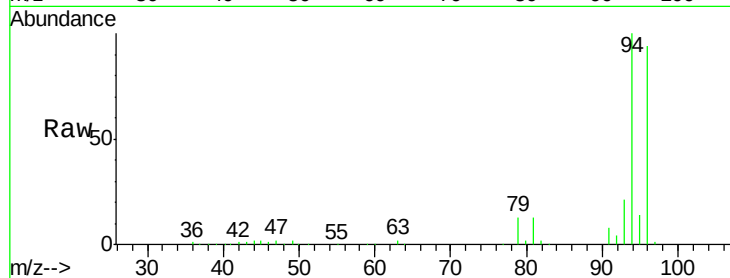
VSTDIC150

Manual Integrations

APPROVED

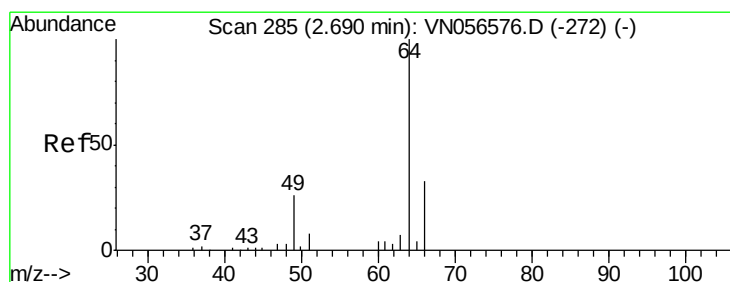
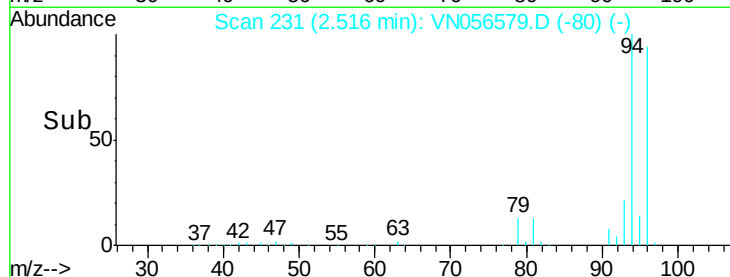
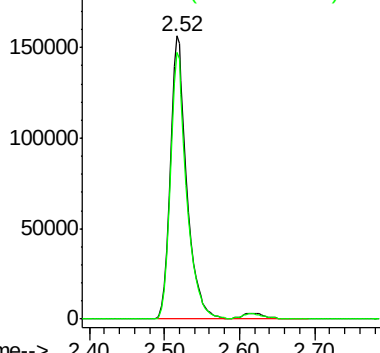
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7/8/2019 10:05:00 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 152.929 ug/l m

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN056579.D

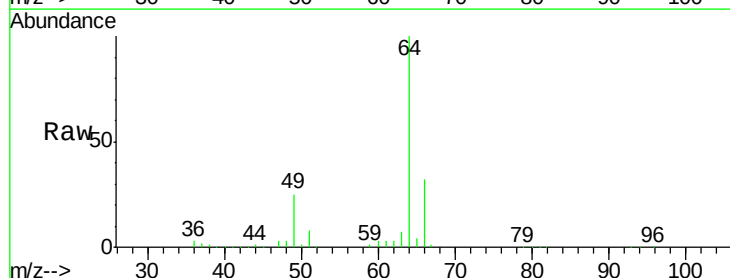
Acq: 3 Jul 2019 10:42

Tgt Ion: 64 Resp: 280439

Ion Ratio Lower Upper

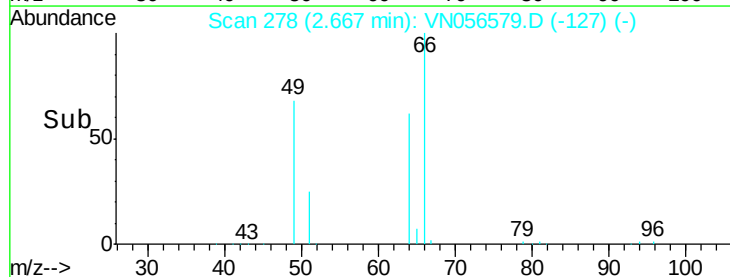
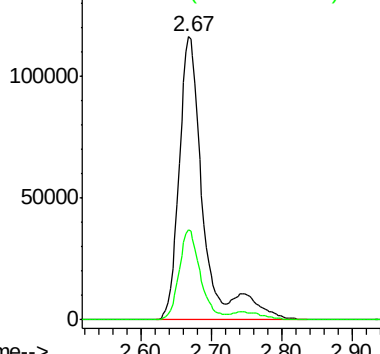
64 100

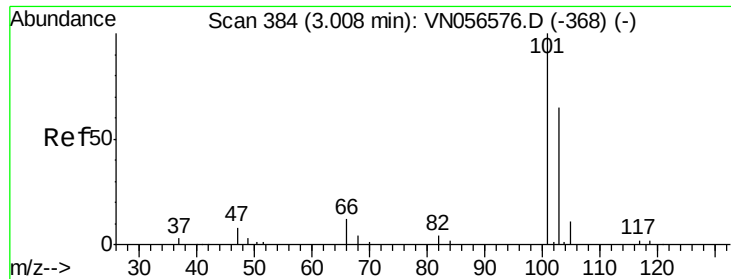
66 32.0 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

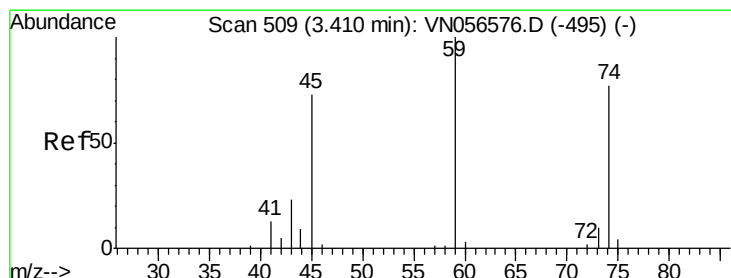
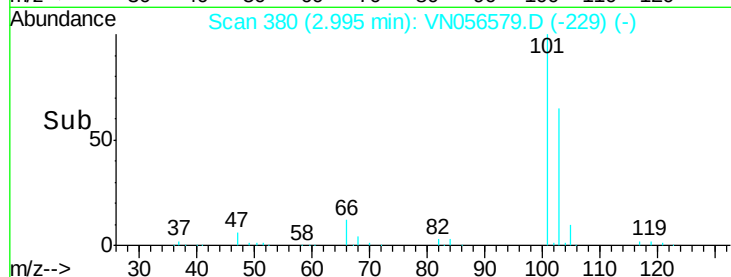
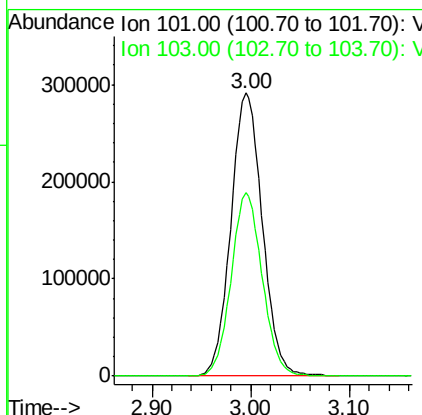
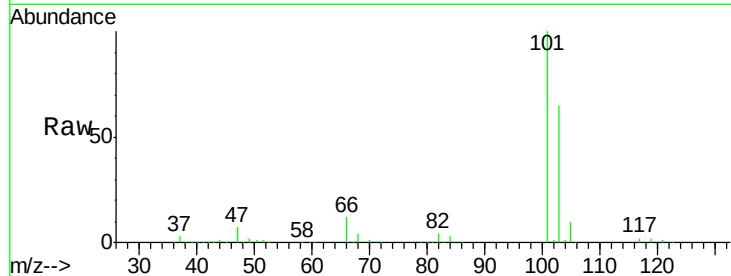
Trichlorofluoromethane
Concen: 152.293 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.4	80.0

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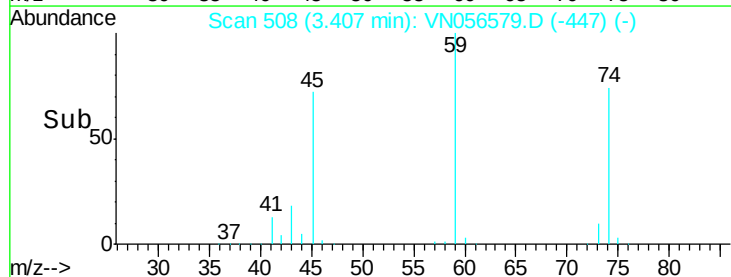
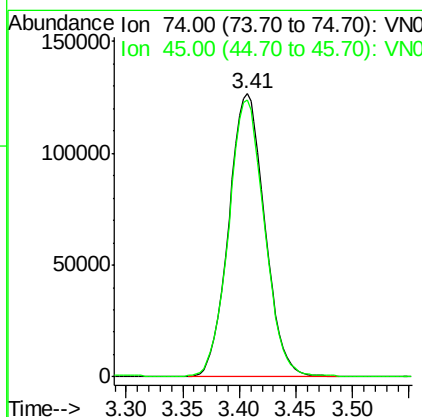
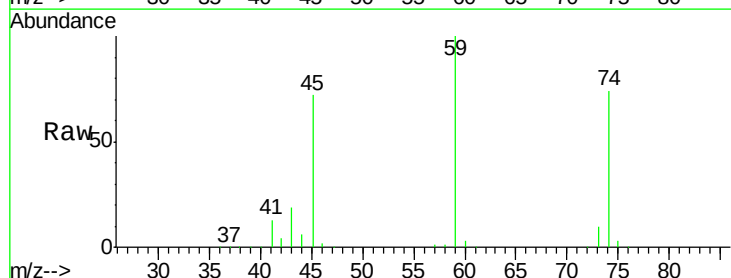
MMDadoda
7/8/2019 10:05:00 AM

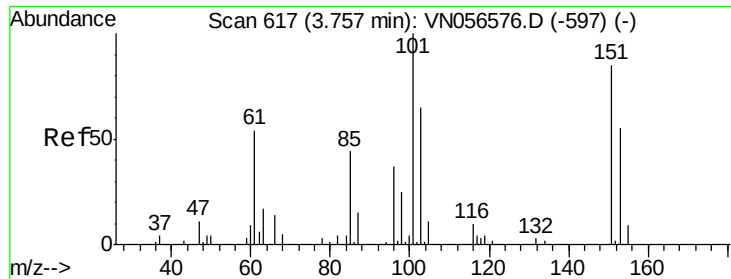


#8

Diethyl Ether
Concen: 156.536 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.711 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

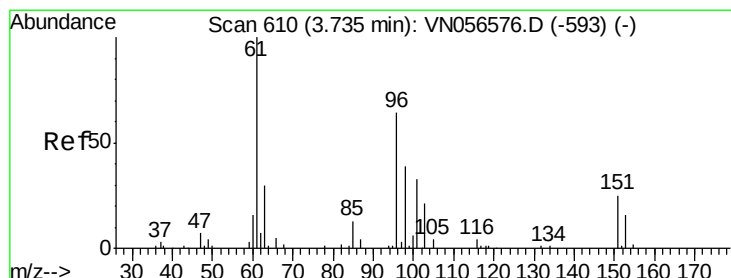
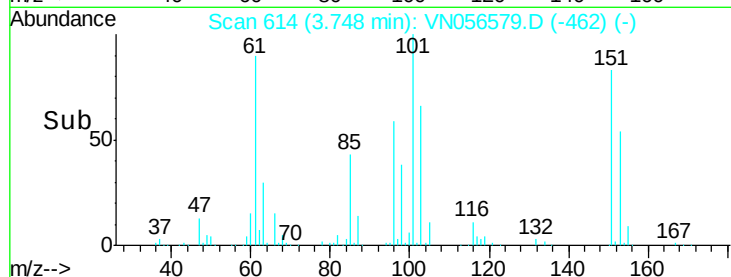
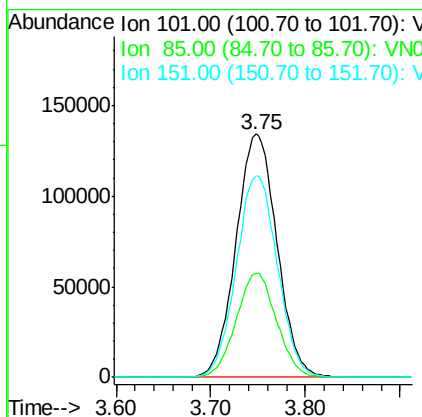
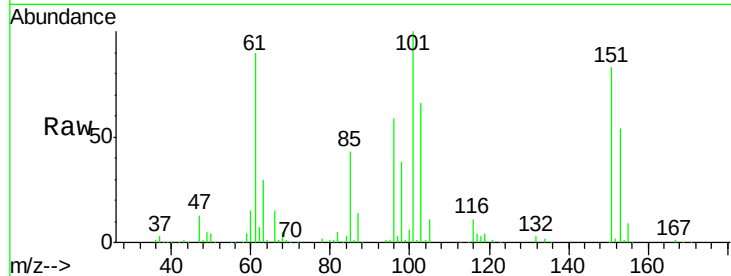
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	404928
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	82.0
151	83.3	0.0	177.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 156.715 ug/l

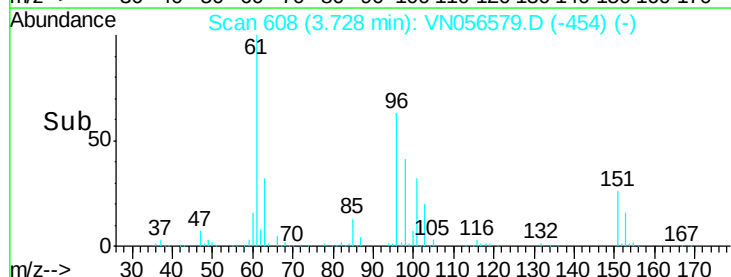
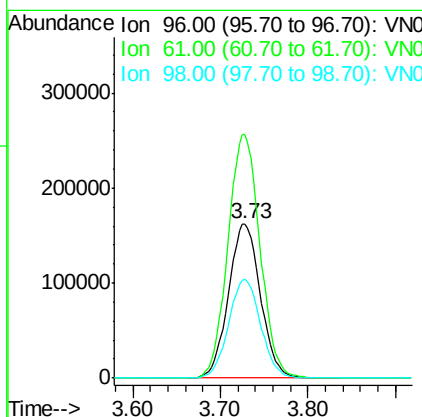
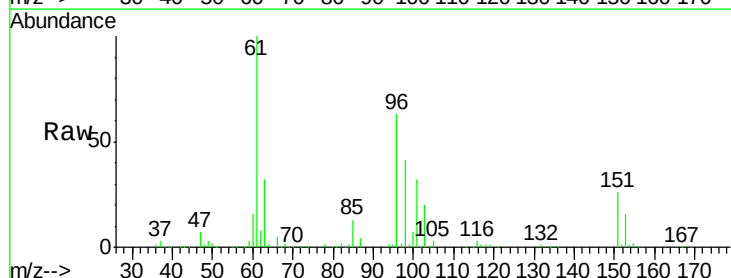
RT: 3.73 min Scan# 608

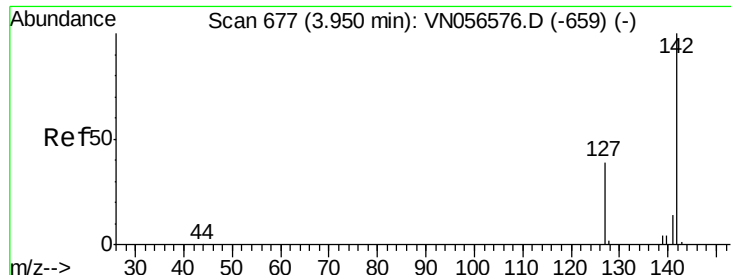
Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Tgt Ion:	96	Resp:	412021
Ion Ratio	Lower	Upper	
96	100		
61	157.7	119.7	179.5
98	64.1	52.3	78.5





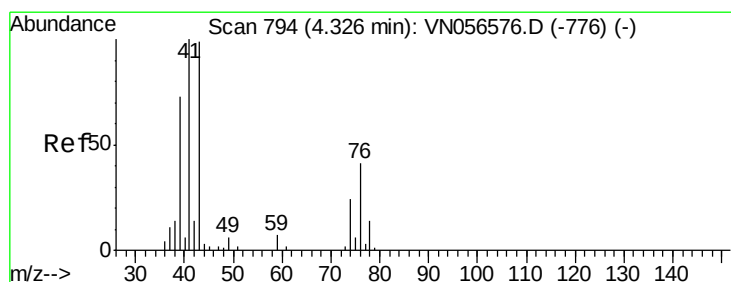
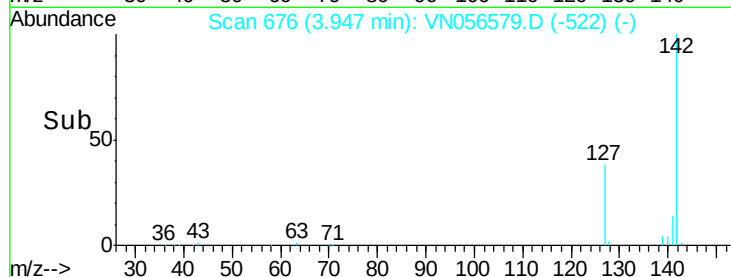
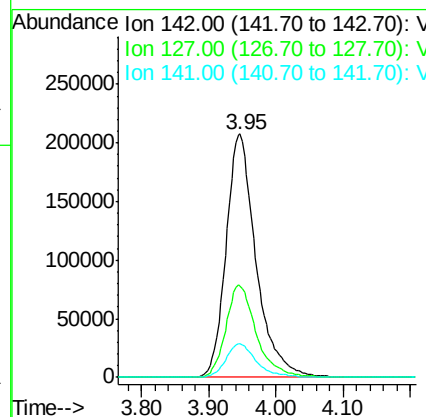
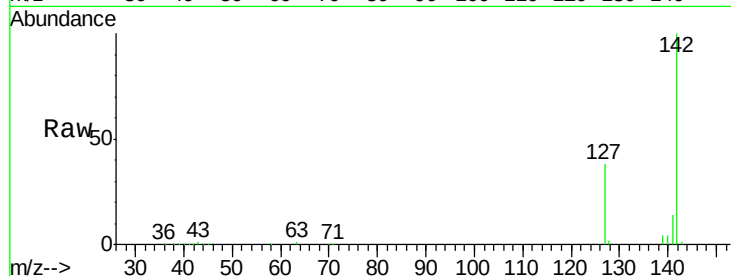
#11
Methvl Iodide
Concen: 174.850 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.7	19.0	57.0
141	13.8	6.7	20.0

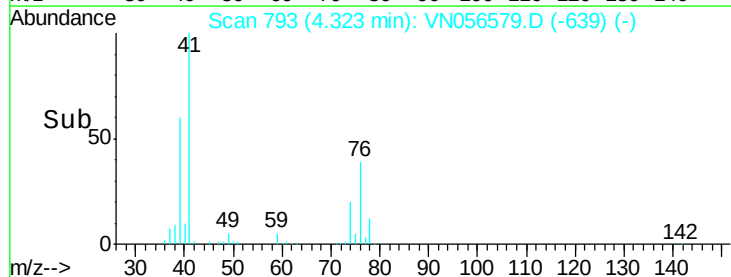
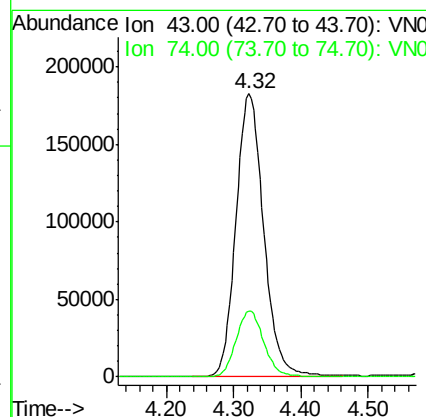
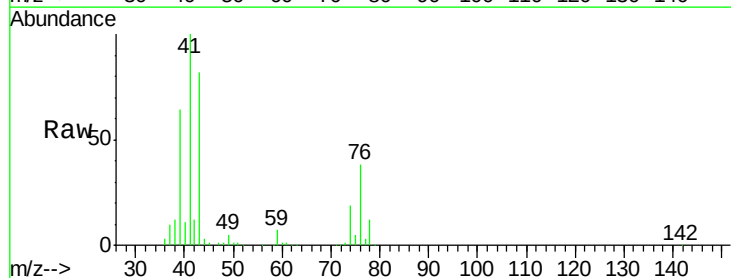
Manual Integrations
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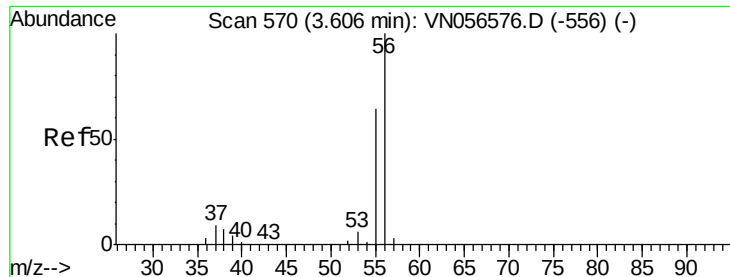
MMDadoda
7/8/2019 10:05:00 AM



#12
Methyl Acetate
Concen: 143.891 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.9	29.9





#13

Acrolein

Concen: 751.631 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 262419

Ion Ratio Lower Upper

56 100

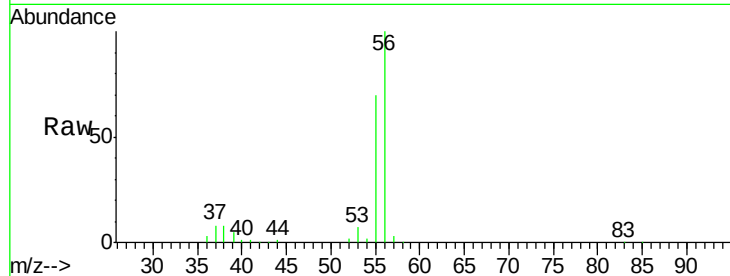
55 70.3 57.9 86.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

100000

80000

60000

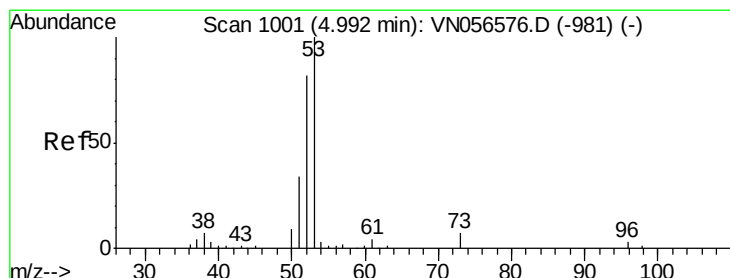
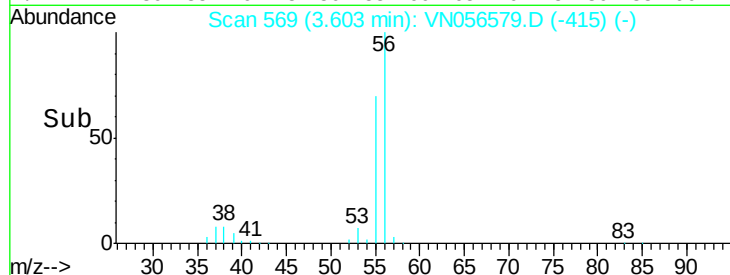
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Acrylonitrile

Concen: 799.745 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

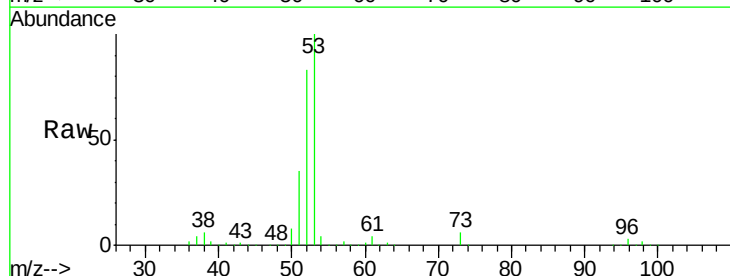
Tgt Ion: 53 Resp: 1239775

Ion Ratio Lower Upper

53 100

52 82.9 40.8 122.2

51 35.2 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

4.99

500000

400000

300000

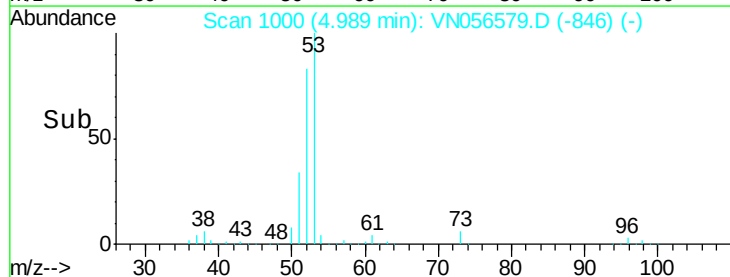
200000

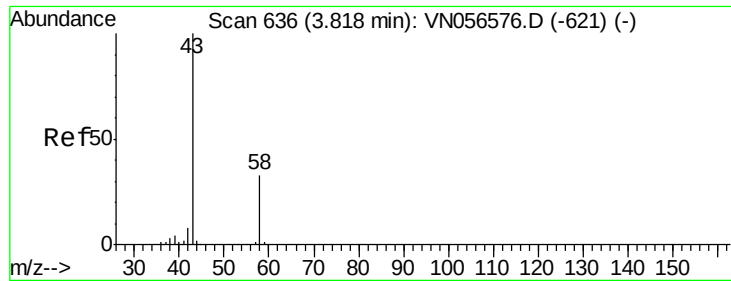
100000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#15

Acetone

Concen: 738.101 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 324519

Ion Ratio Lower Upper

58 100

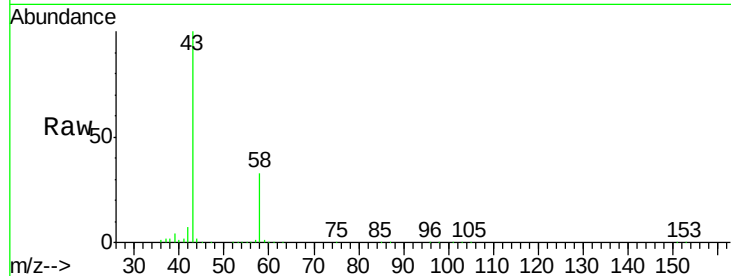
43 303.1 232.5 348.7

Manual Integrations

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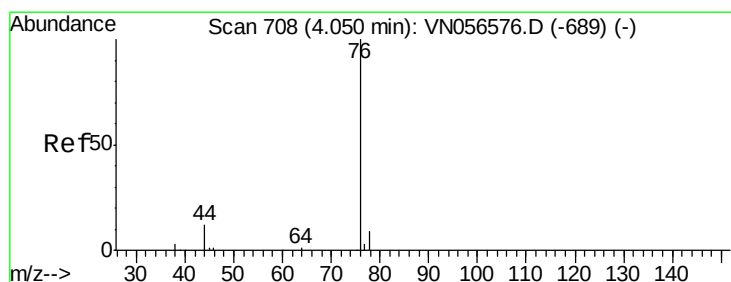
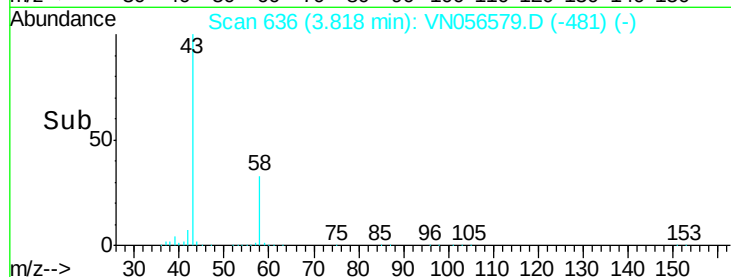
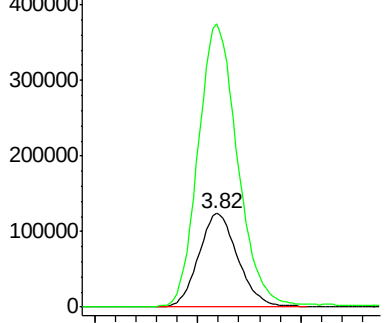
MMDadoda

7/8/2019 10:05:00 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 174.967 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056579.D

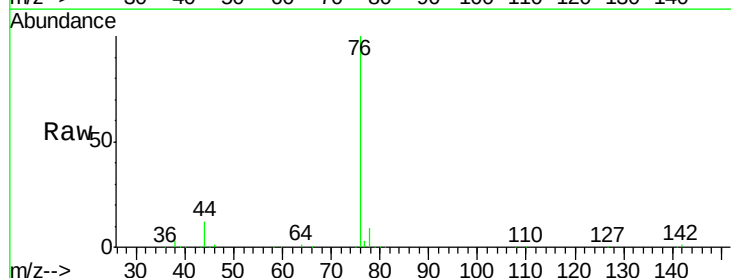
Acq: 3 Jul 2019 10:42

Tgt Ion: 76 Resp: 1080069

Ion Ratio Lower Upper

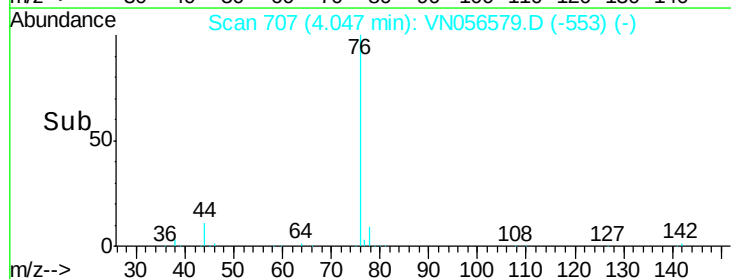
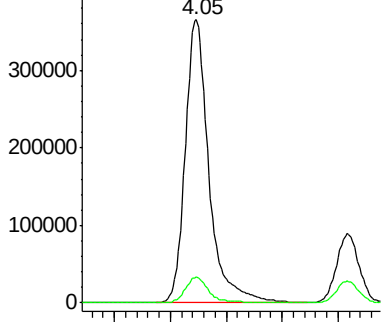
76 100

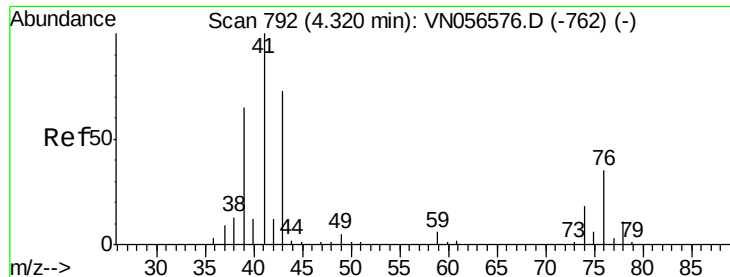
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 164.047 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

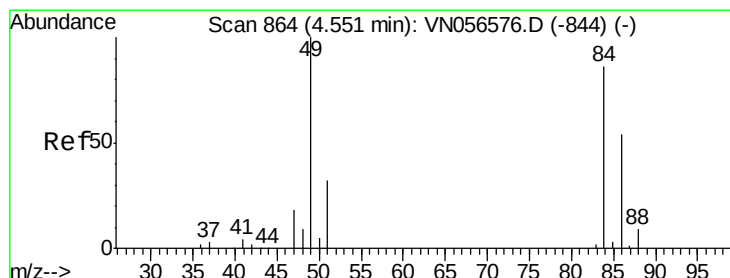
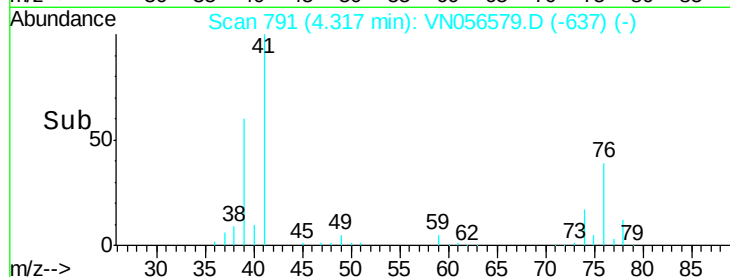
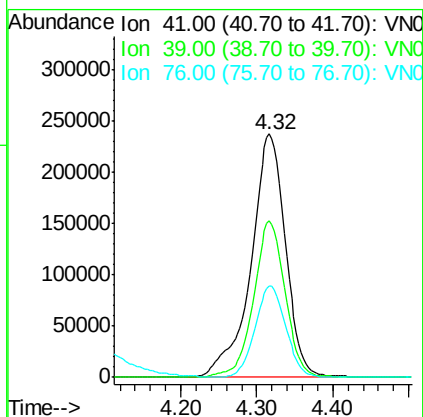
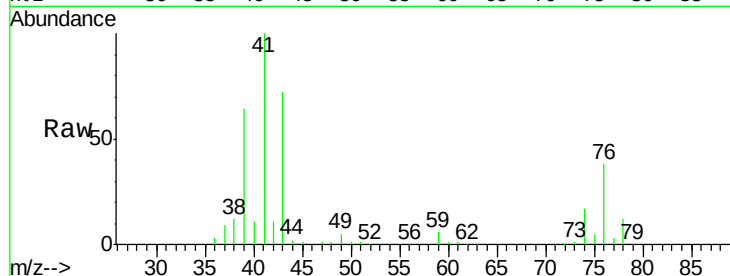
ClientSampleId :

VSTDIC150

Tot Ion:	41	Resp:	747534
Ion	Ratio	Lower	Upper
41	100		
39	64.3	33.0	99.0
76	37.5	18.9	56.9

Manual Integrations
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#18

Methylene Chloride

Concen: 151.198 ug/l

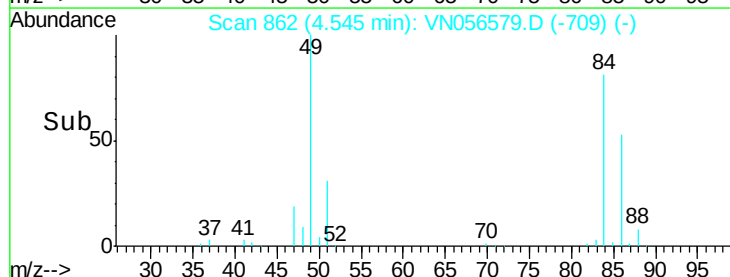
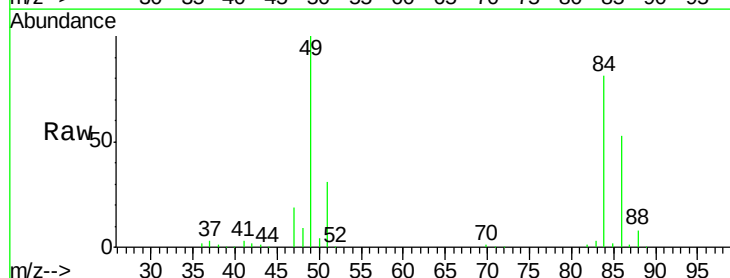
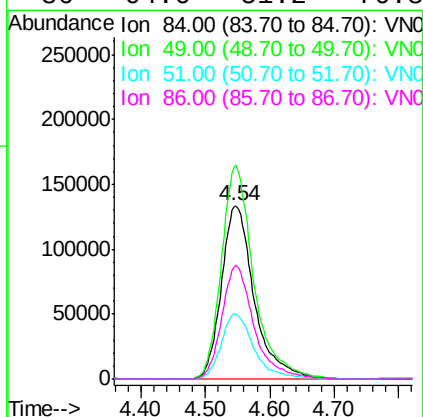
RT: 4.54 min Scan# 862

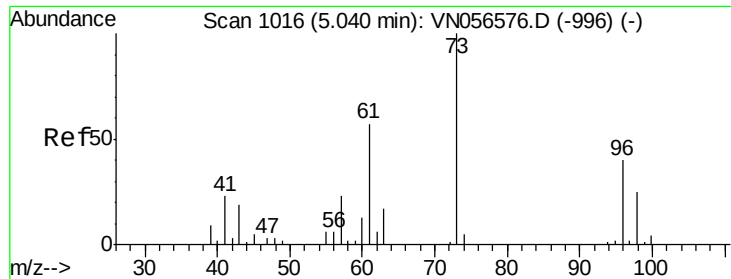
Delta R.T. -0.01 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Tgt Ion:	84	Resp:	473454
Ion	Ratio	Lower	Upper
84	100		
49	122.7	87.6	131.4
51	38.0	27.0	40.4
86	64.6	51.2	76.8





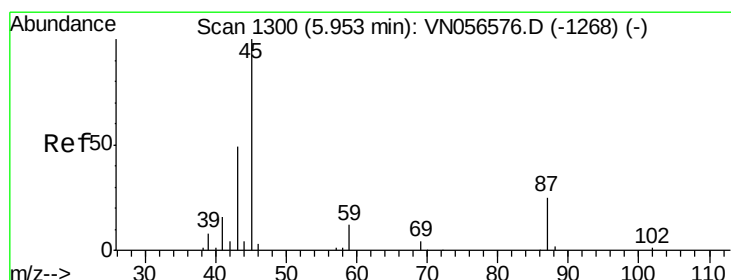
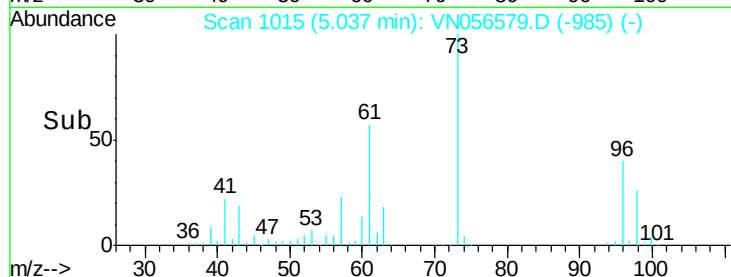
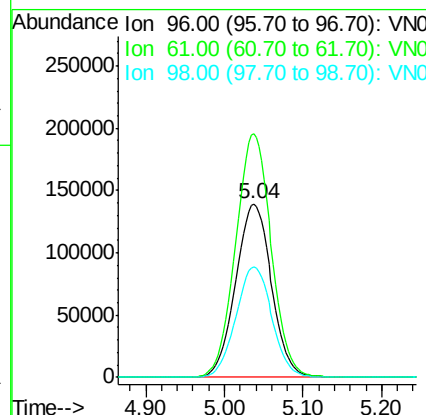
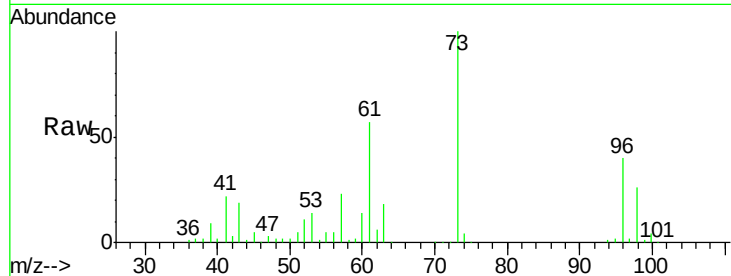
#19
trans-1,2-Dichloroethene
Concen: 155.322 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	140.2	102.5	153.7	
98	63.3	46.9	70.3	

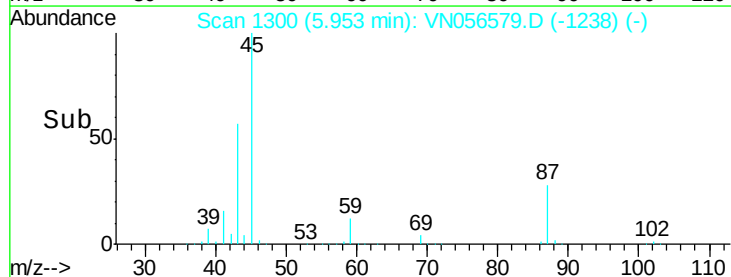
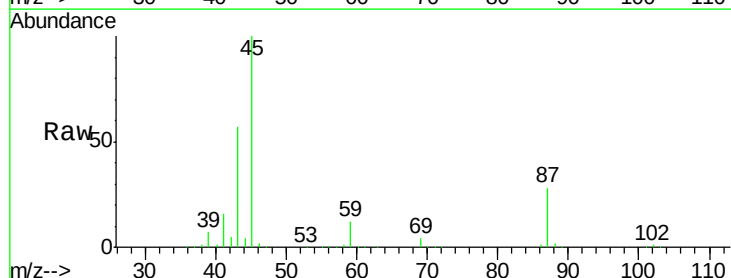
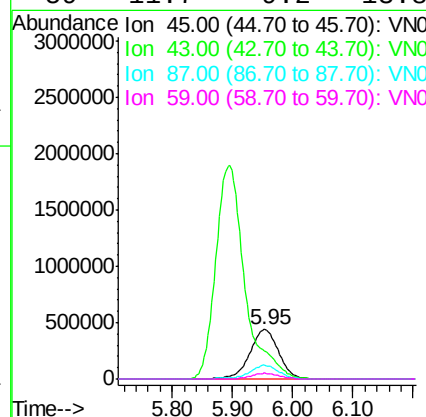
Manual Integrations
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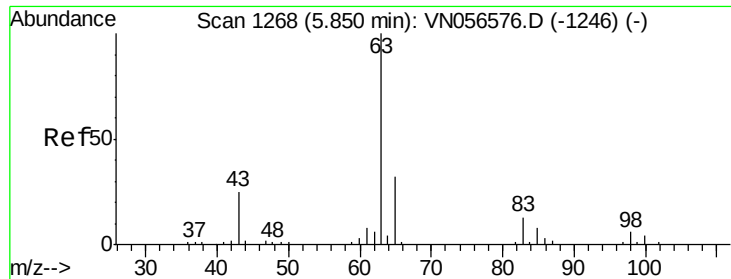
MMDadoda
7/8/2019 10:05:00 AM



#20
Diisopropyl ether
Concen: 153.839 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	56.0	48.0	72.0	
87	27.8	23.4	35.2	
59	11.7	9.2	13.8	





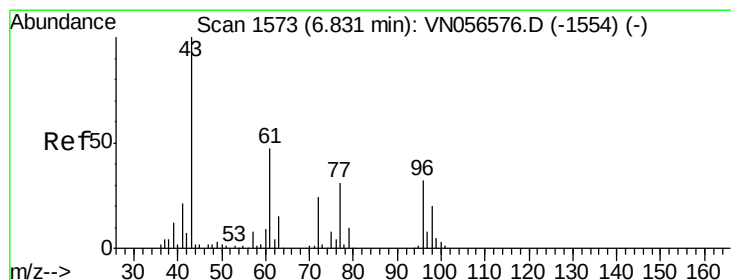
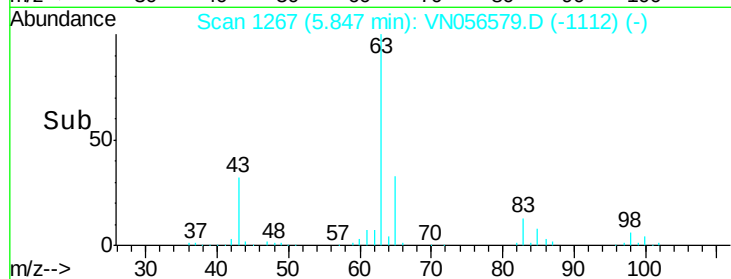
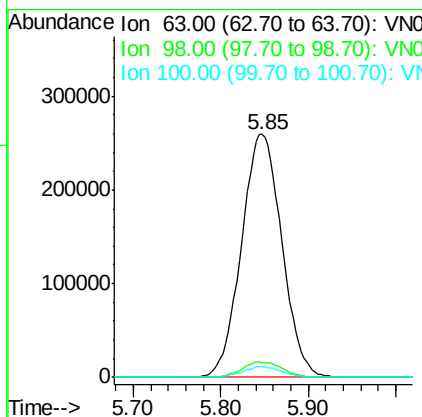
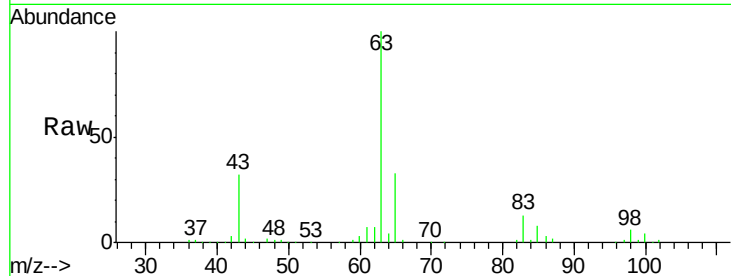
#21
 1,1-Dichloroethane
 Concen: 154.336 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100	830177		
98	6.1		3.5	10.5
100	4.2		2.3	6.9

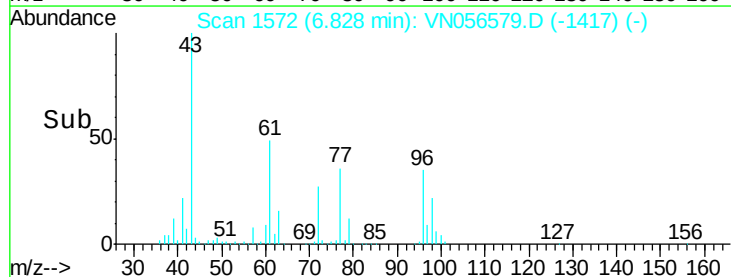
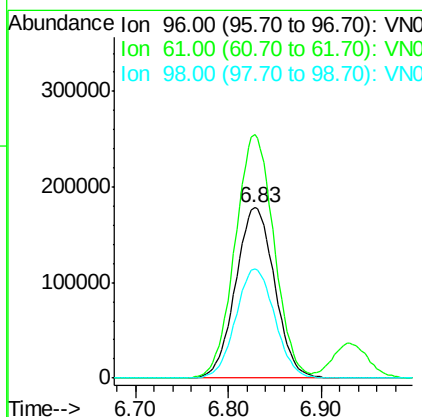
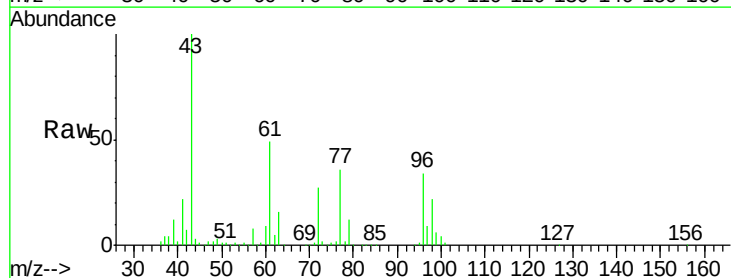
Manual Integrations
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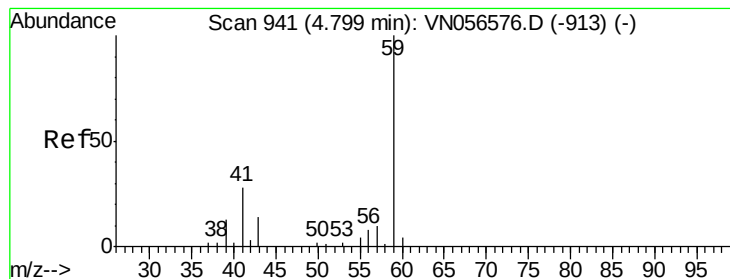
MMDadoda
 7/8/2019 10:05:00 AM



#22
 cis-1,2-Dichloroethene
 Concen: 155.119 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	521263		
61	142.5		105.7	158.5
98	64.1		52.0	78.0





#23

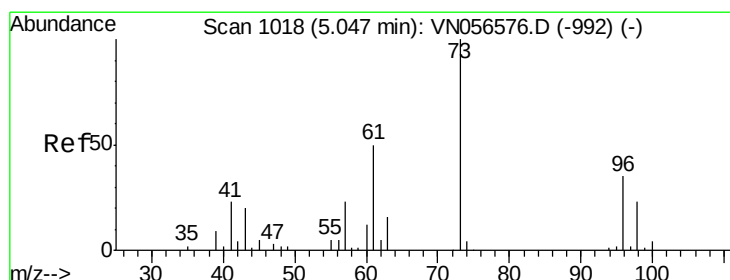
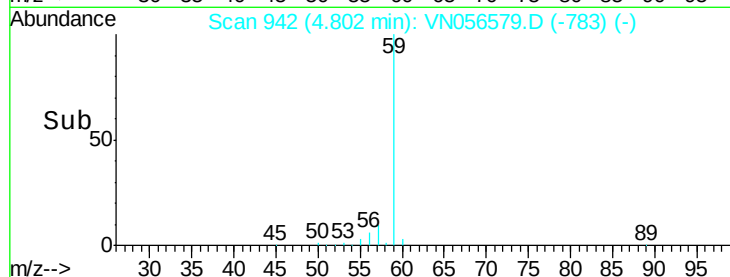
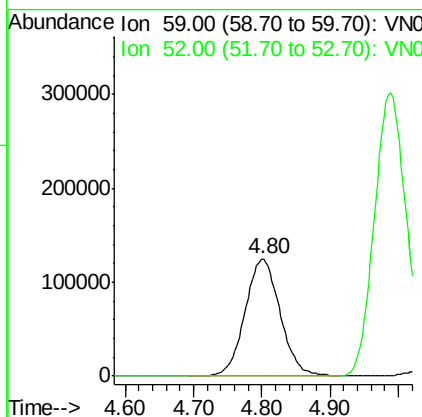
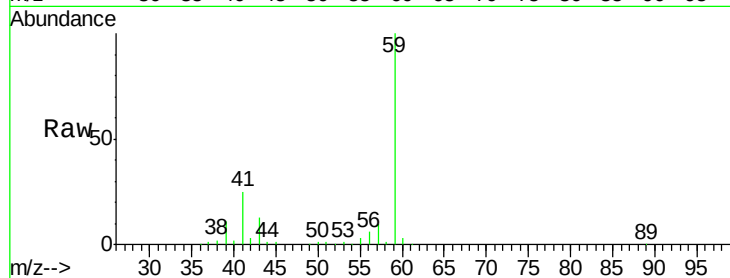
tert-Butyl Alcohol
Concen: 765.261 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 447835
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0#

Manual Integrations
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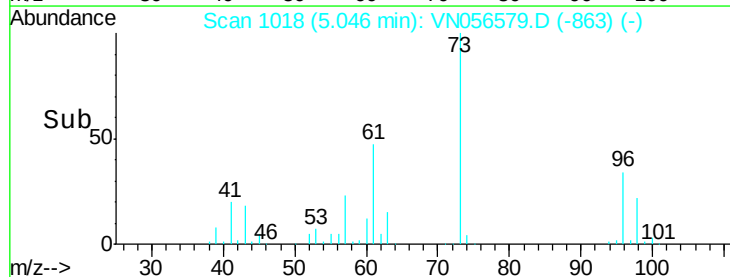
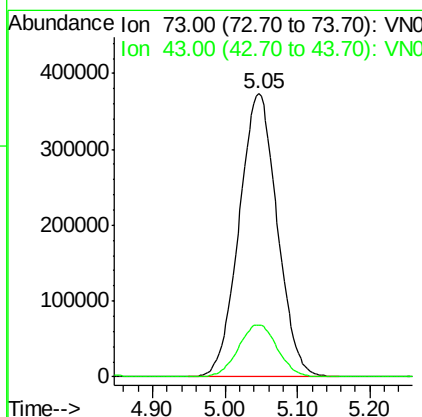
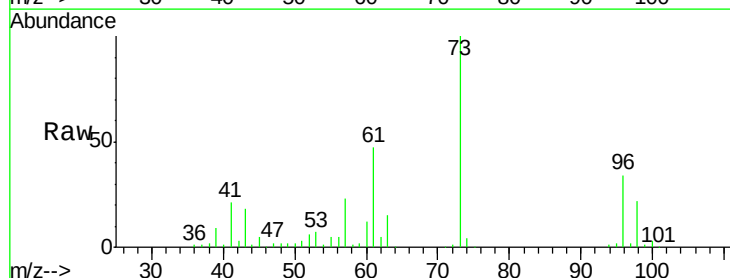
MMDadoda
7/8/2019 10:05:00 AM

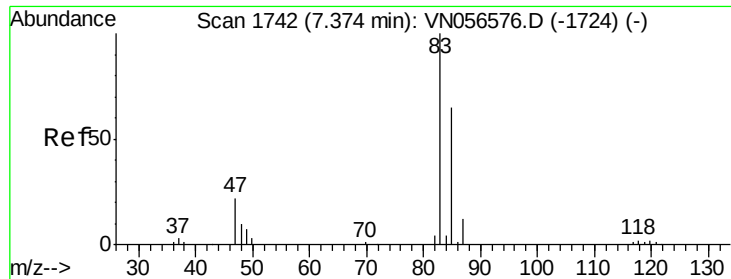


#24

Methyl tert-Butyl Ether
Concen: 156.920 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion: 73 Resp: 1364186
Ion Ratio Lower Upper
73 100
43 18.6 15.4 23.0





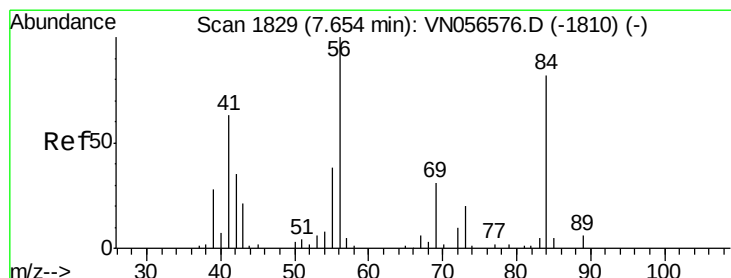
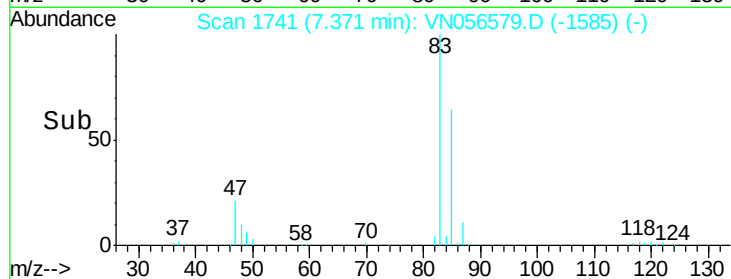
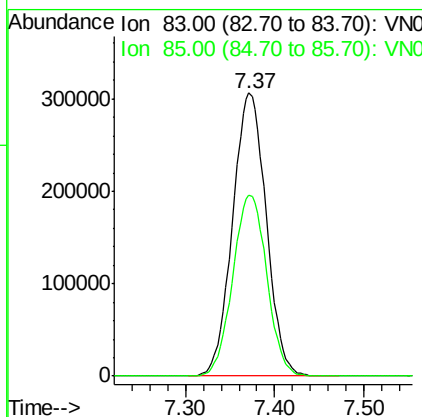
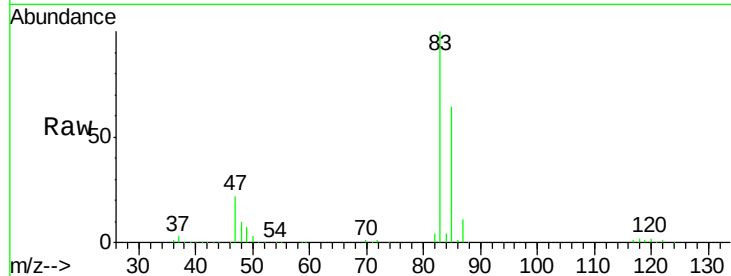
#25
Chloroform
Concen: 151.562 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 802039
Ion Ratio Lower Upper
83 100
85 63.8 52.0 78.0

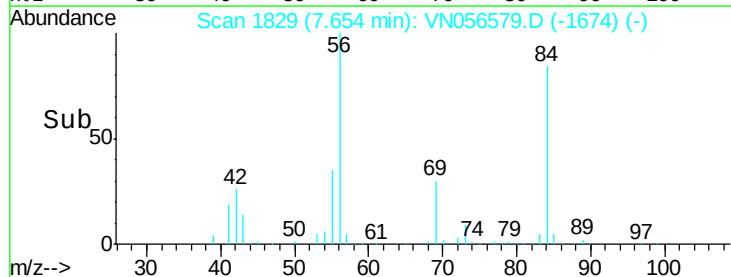
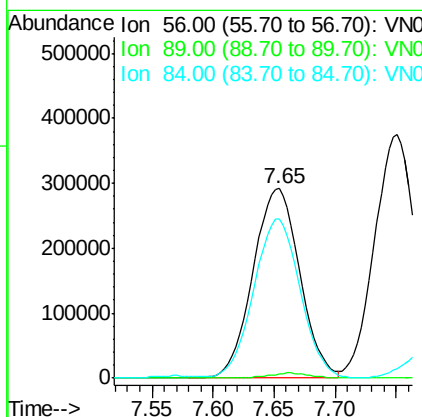
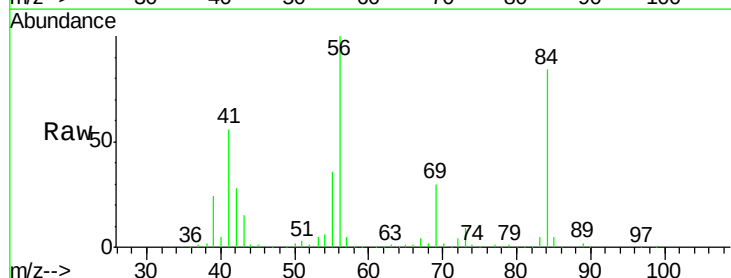
Manual Integrations
APPROVED

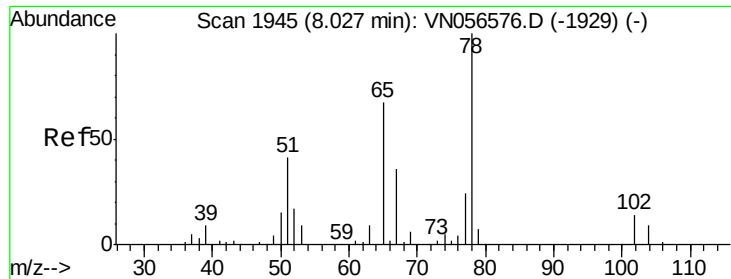
MMDadoda
7/8/2019 10:05:00 AM



#26
Cyclohexane
Concen: 157.683 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion: 56 Resp: 777790
Ion Ratio Lower Upper
56 100
89 2.4 0.0 0.0#
84 83.6 70.1 105.1





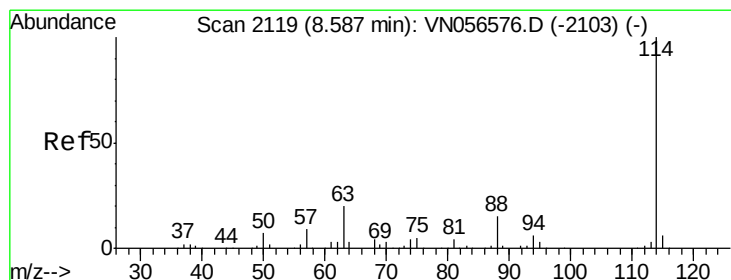
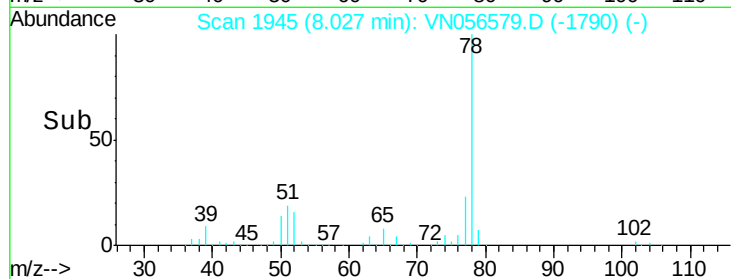
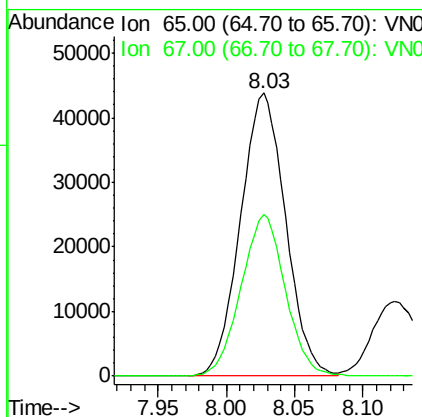
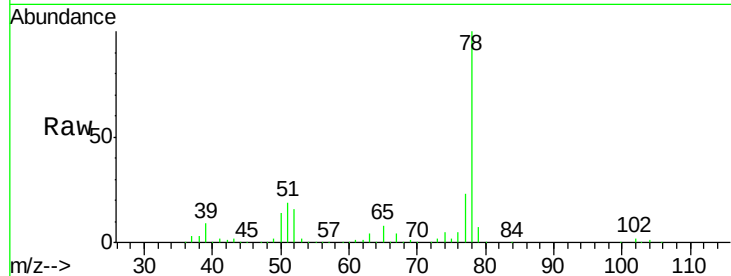
#27
 1,2-Dichloroethane-d4
 Concen: 30.130 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 100713
 Ion Ratio Lower Upper
 65 100
 67 55.9 43.4 65.2

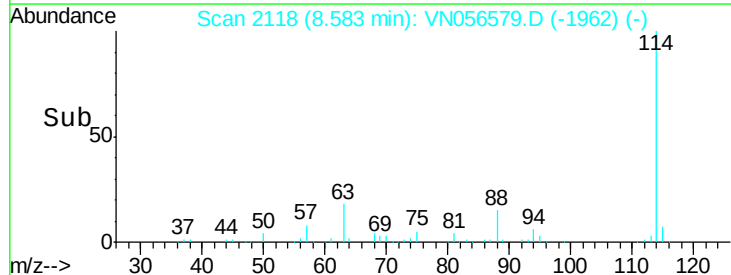
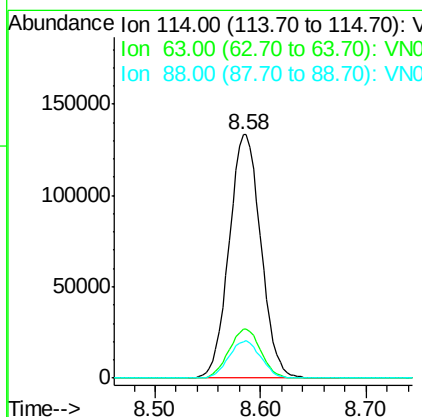
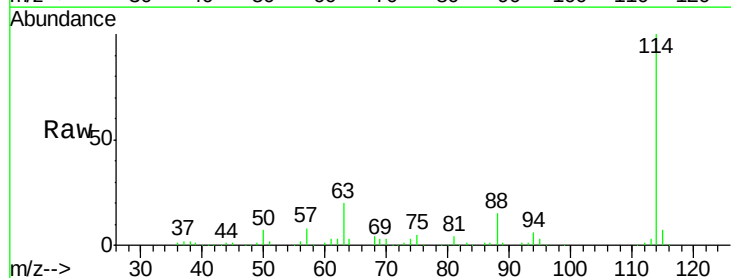
Manual Integrations
 APPROVED

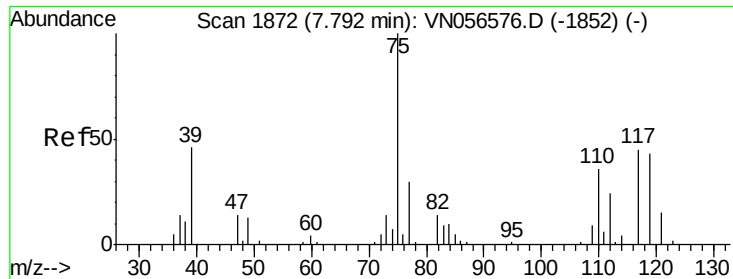
MMDadoda
 7/8/2019 10:05:00 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion: 114 Resp: 277988
 Ion Ratio Lower Upper
 114 100
 63 20.2 14.7 22.1
 88 15.4 11.9 17.9





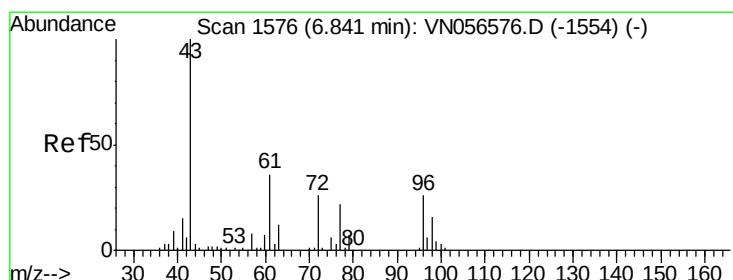
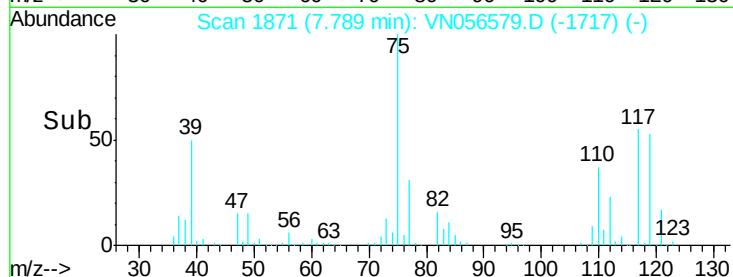
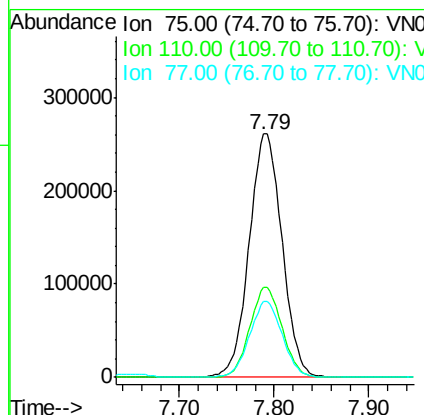
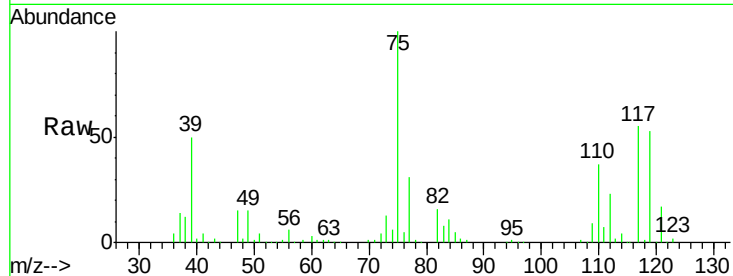
#29
 1,1-Dichloropropene
 Concen: 154.287 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	77.0
77	31.1	0.0	62.4

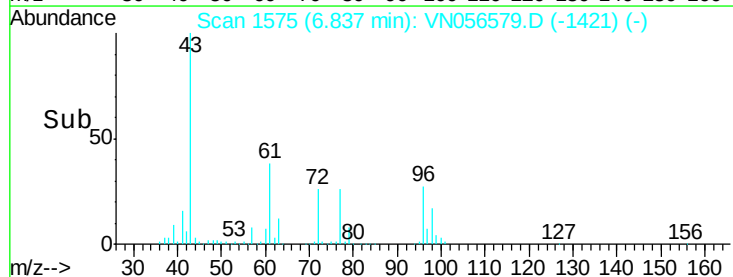
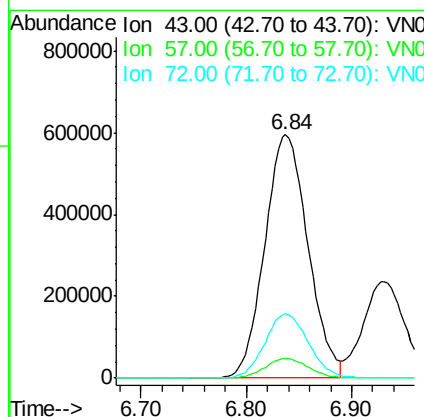
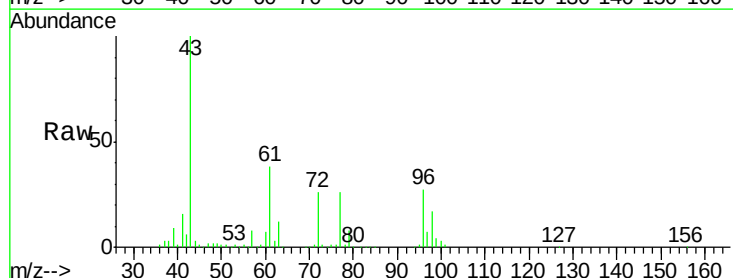
Manual Integrations
 APPROVED

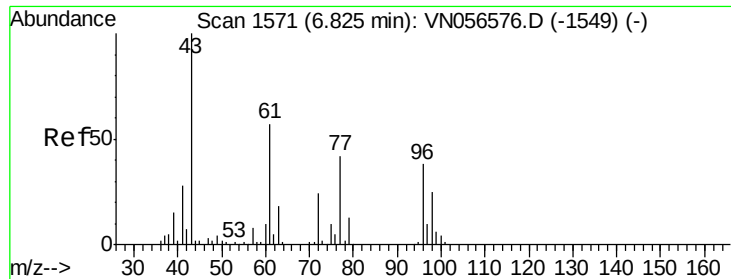
MMDadoda
 7/8/2019 10:05:00 AM



#30
 2-Butanone
 Concen: 740.719 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.7	10.1
72	26.7	22.4	33.6





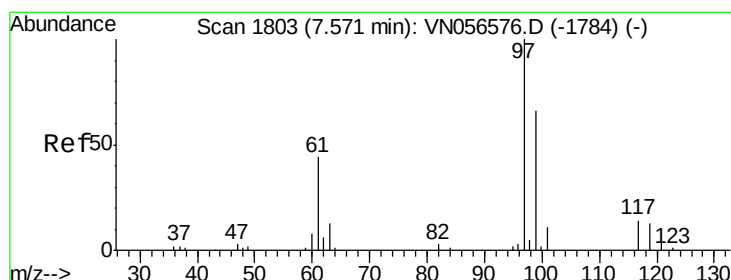
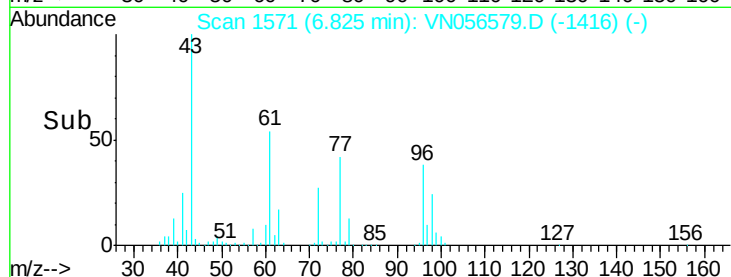
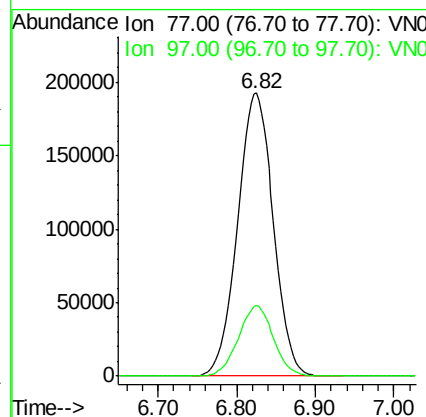
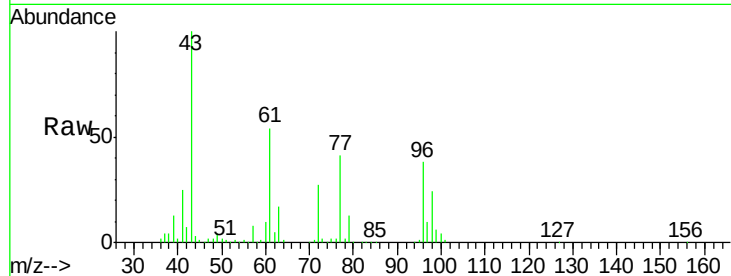
#31
 2,2-Dichloropropane
 Concen: 155.867 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 77 Resp: 610444
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.8 31.2

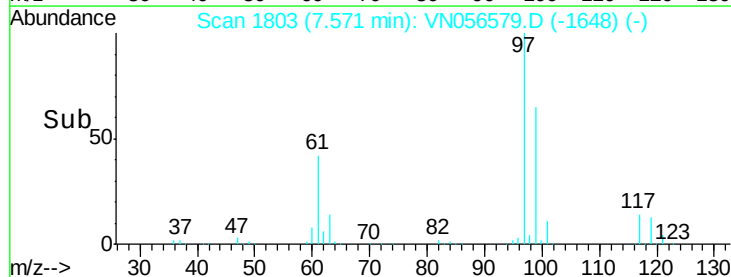
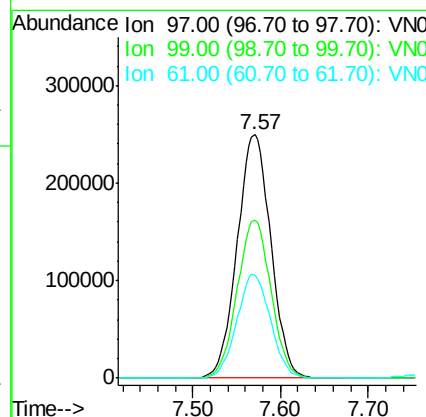
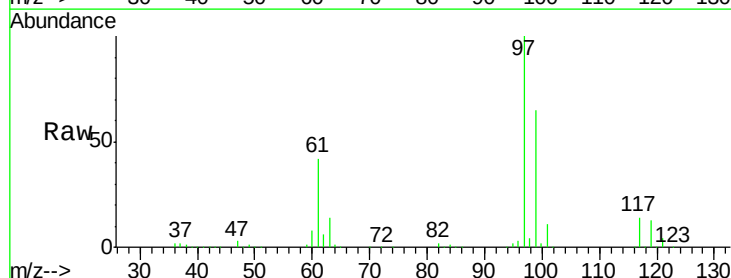
Manual Integrations
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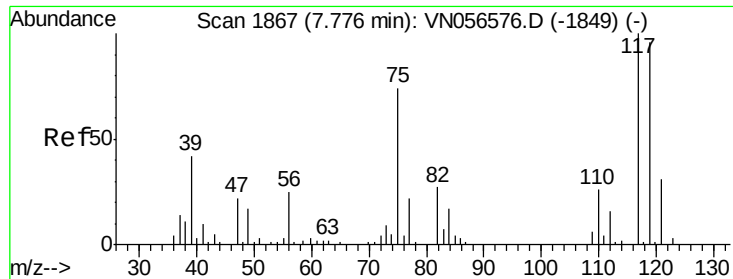
MMDadoda
 7/8/2019 10:05:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 153.070 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion: 97 Resp: 667122
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.5 77.3
 61 42.7 32.9 49.3





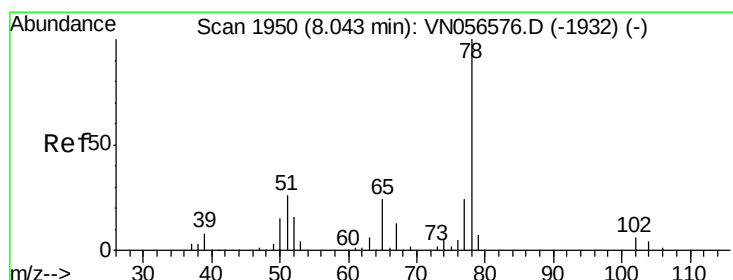
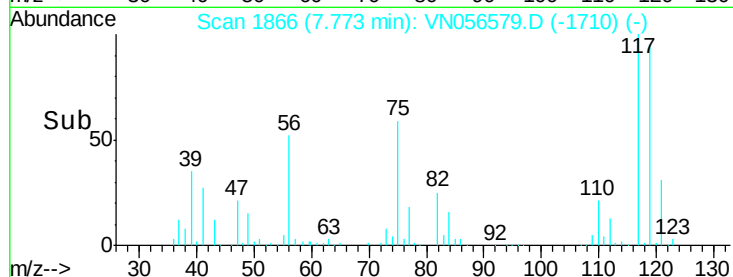
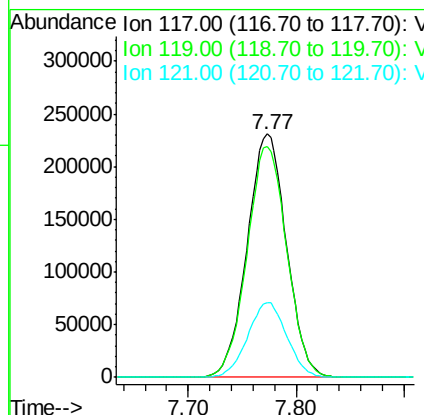
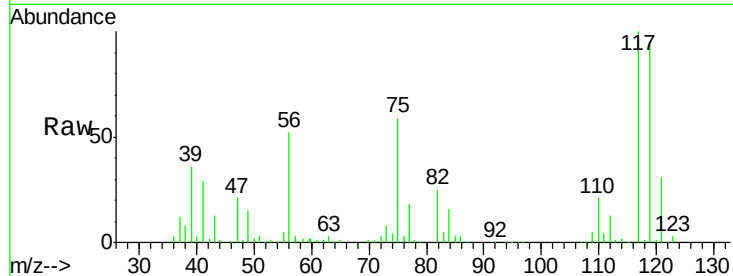
#33
Carbon Tetrachloride
Concen: 159.356 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		583888		
119	94.9	77.3		115.9	
121	30.9	25.0		37.4	

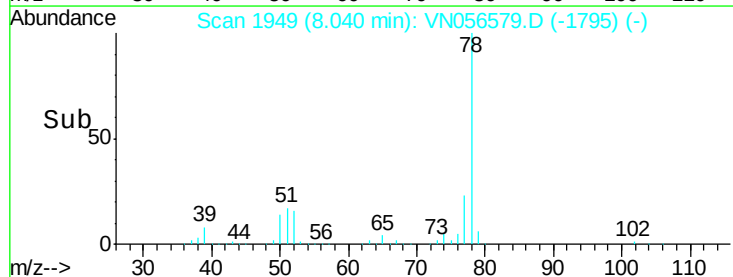
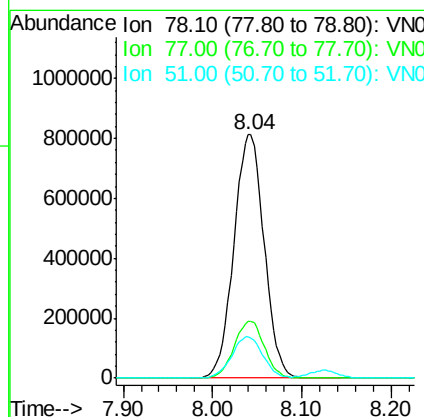
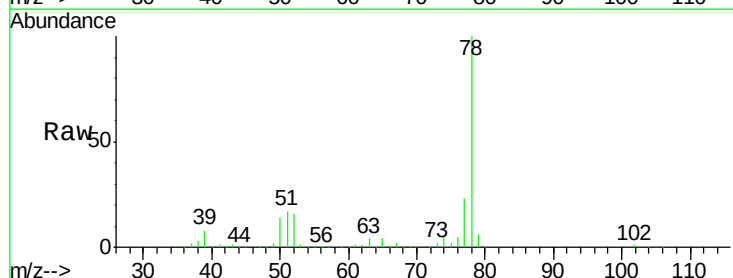
Manual Integrations
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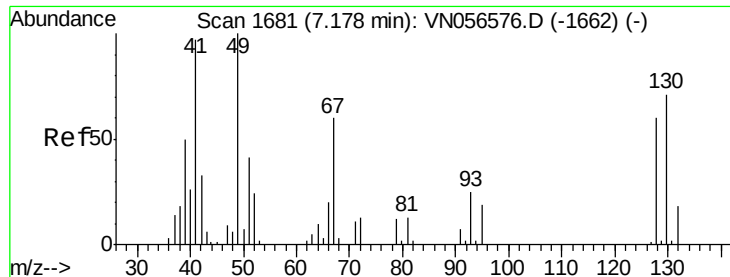
MMDadoda
7/8/2019 10:05:00 AM



#34
Benzene
Concen: 148.096 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
78	100			
77	23.2	19.3		28.9
51	17.0	19.8		29.8#





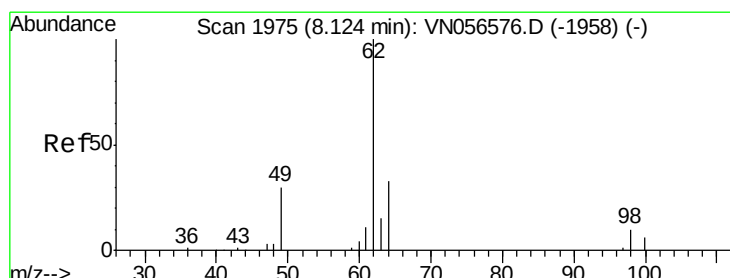
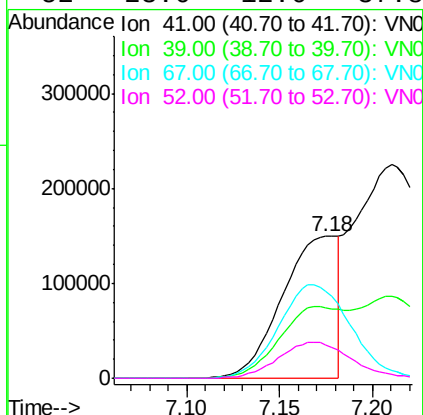
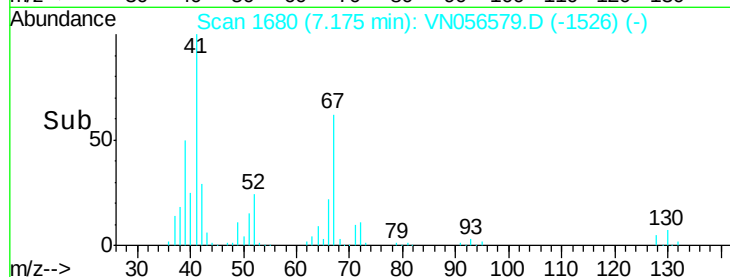
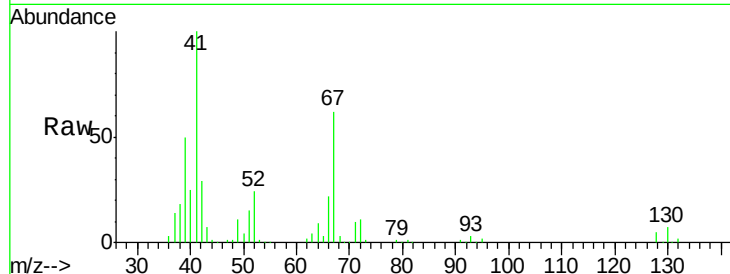
#35
Methacrylonitrile
Concen: 156.172 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	41	Resp	313045
Ion Ratio	Lower	Upper	
41	100		
39	49.6	24.8	74.3
67	61.8	34.3	102.9
52	23.6	12.6	37.8

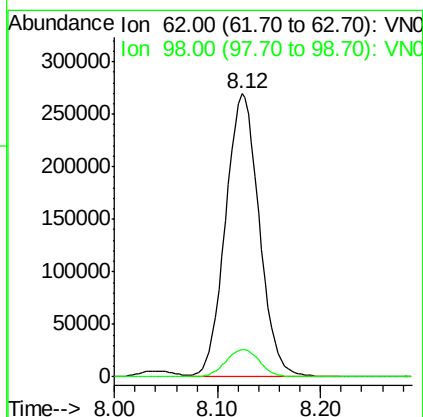
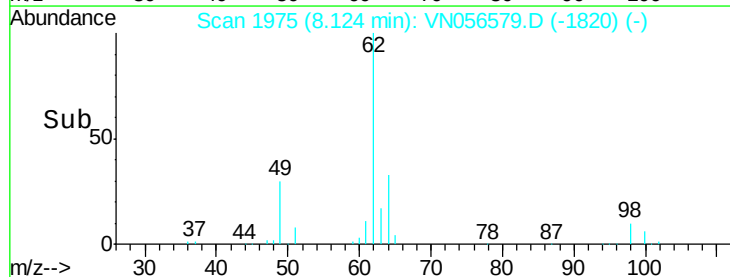
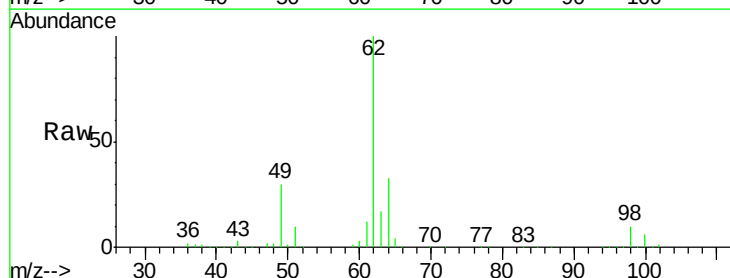
Manual Integrations
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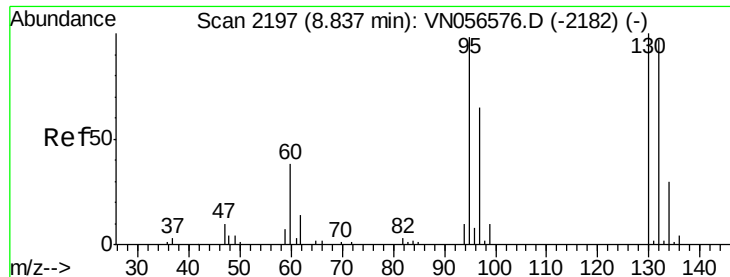
MMDadoda
7/8/2019 10:05:00 AM



#36
1,2-Dichloroethane
Concen: 146.203 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	62	Resp	613074
Ion Ratio	Lower	Upper	
62	100		
98	9.8	8.6	13.0





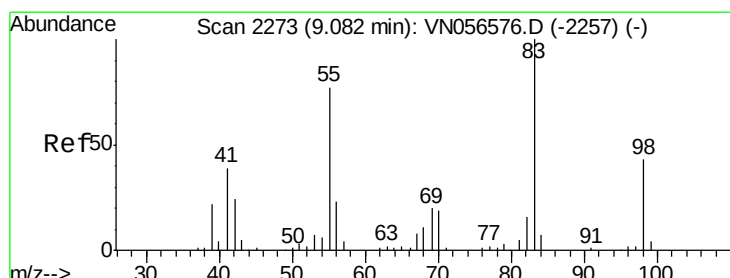
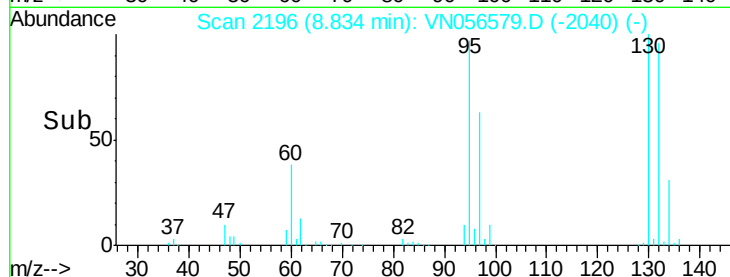
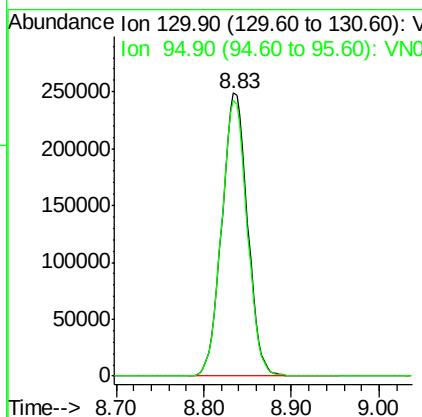
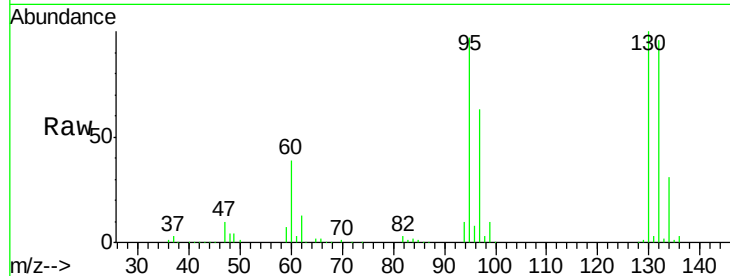
#37
 Trichloroethene
 Concen: 151.583 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:130 Resp: 506393
 Ion Ratio Lower Upper
 130 100
 95 97.5 73.0 109.6

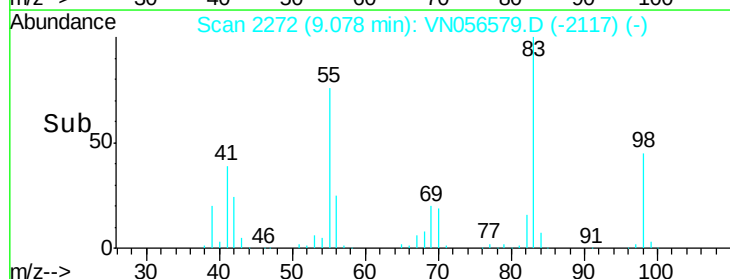
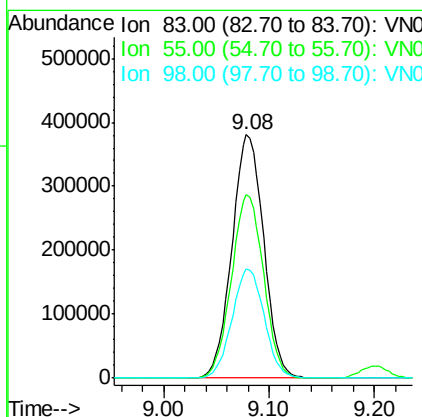
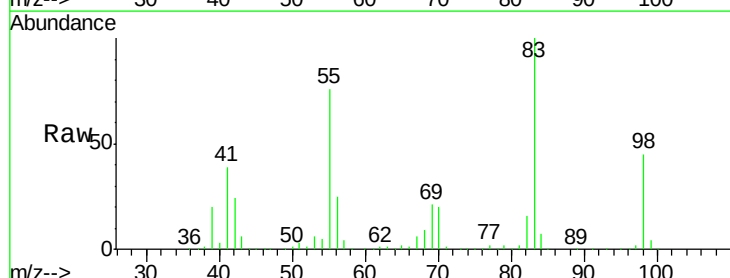
Manual Integrations
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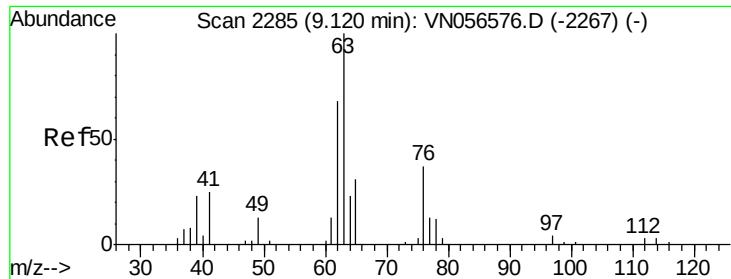
MMDadoda
 7/8/2019 10:05:00 AM



#38
 Methylcyclohexane
 Concen: 155.600 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion: 83 Resp: 794542
 Ion Ratio Lower Upper
 83 100
 55 76.0 37.5 112.7
 98 45.5 23.1 69.3





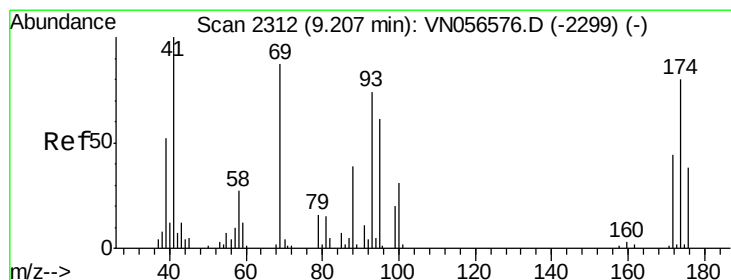
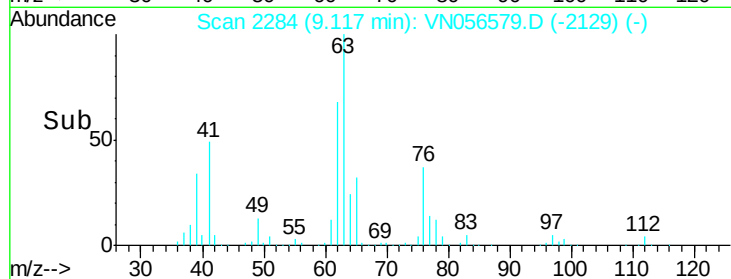
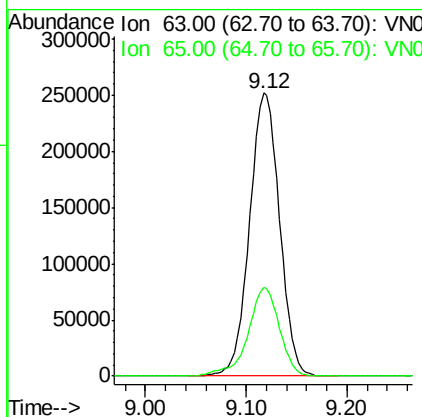
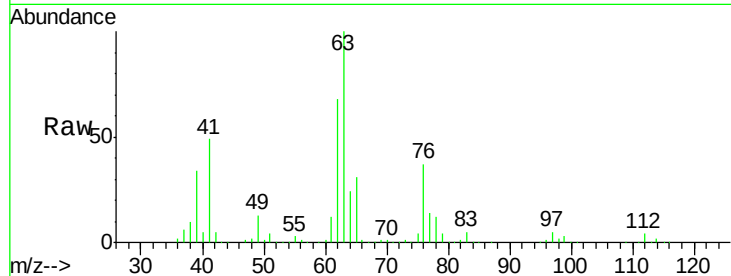
#39
 1,2-Dichloropropane
 Concen: 149.610 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.1	34.7

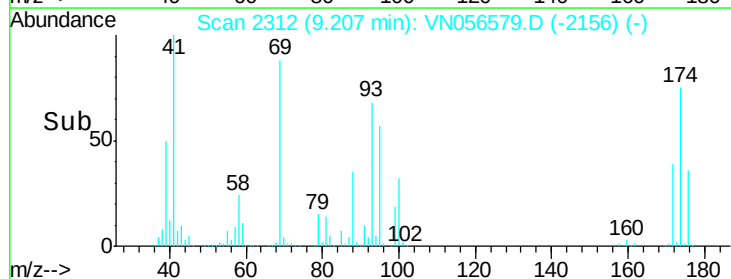
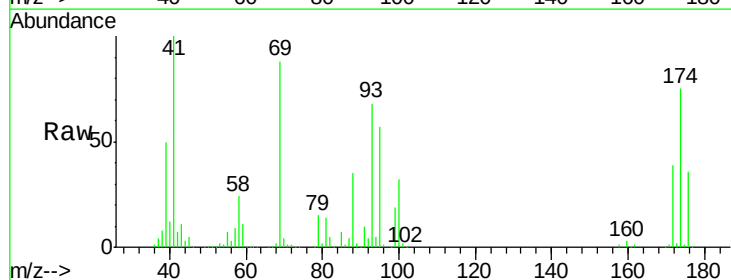
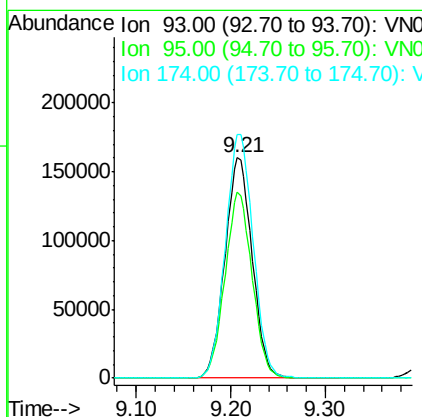
Manual Integrations
 APPROVED

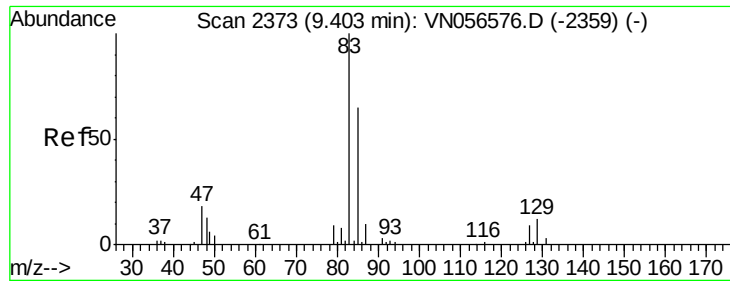
MMDadoda
 7/8/2019 10:05:00 AM



#40
 Dibromomethane
 Concen: 150.726 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	0.0	169.0
174	112.2	0.0	246.4





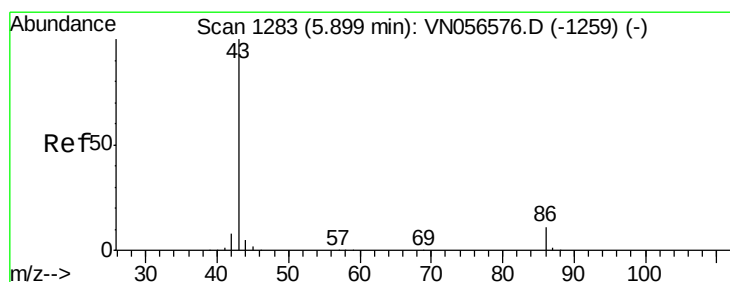
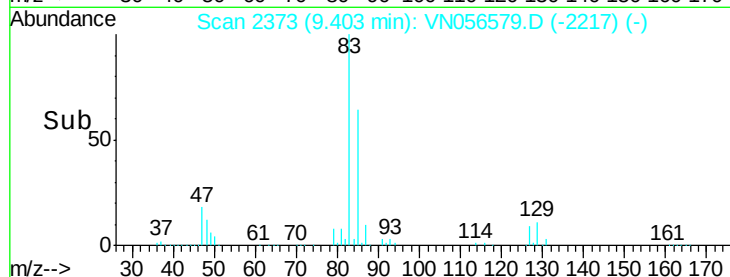
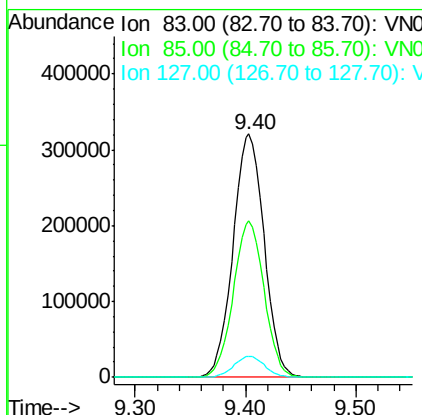
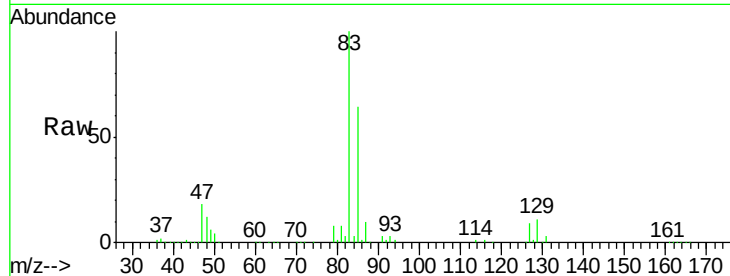
#41
Bromodichloromethane
Concen: 160.377 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	626234
Ion Ratio	100		
Lower	51.8		
Upper	77.6		
85	64.4		
127	8.6		

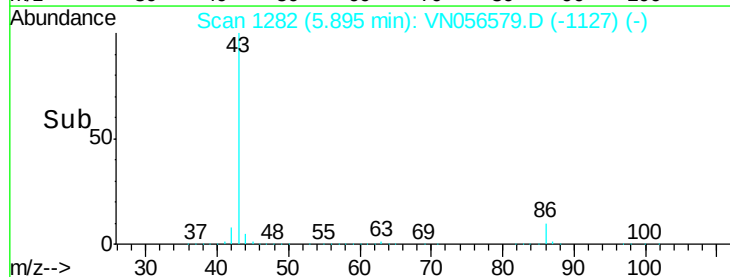
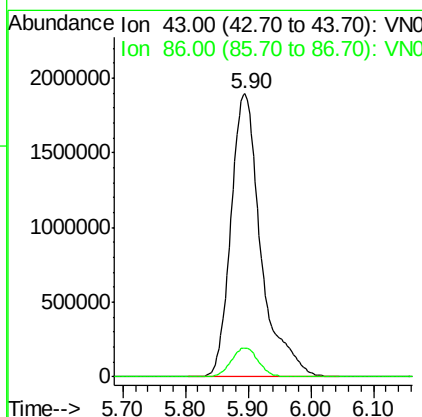
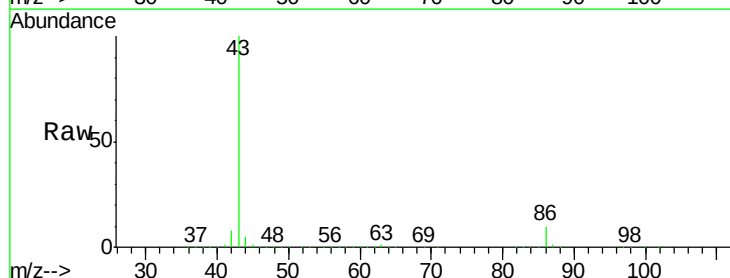
Manual Integrations
APPROVED

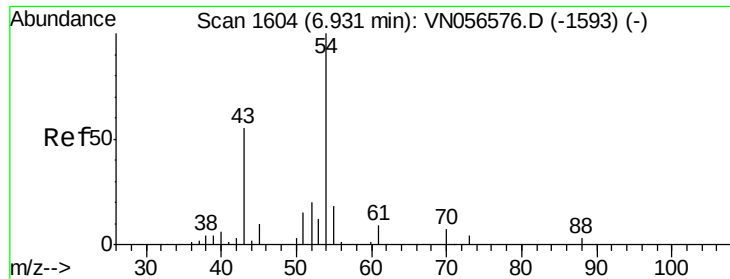
MMDadoda
7/8/2019 10:05:00 AM



#42
Vinyl Acetate
Concen: 782.446 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	43	Resp	6285762
Ion Ratio	100		
Lower	7.9		
Upper	11.9		
86	9.2		





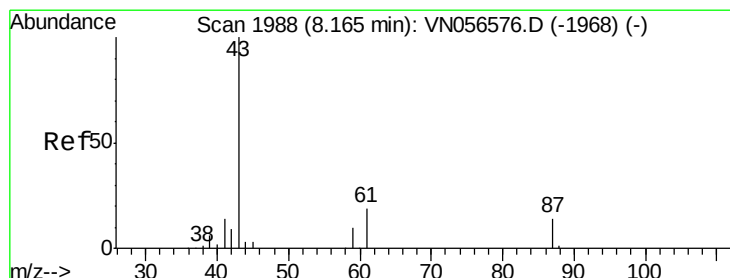
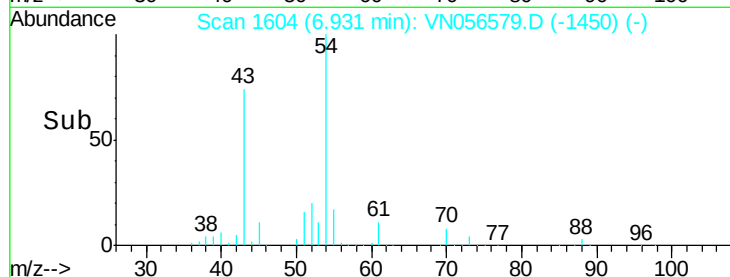
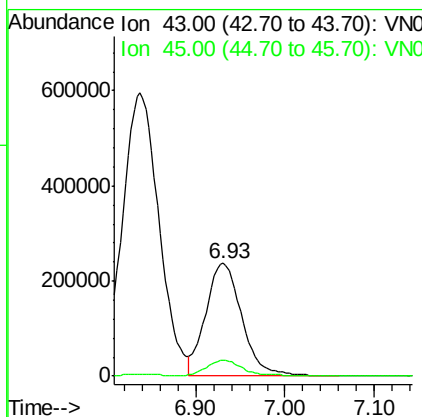
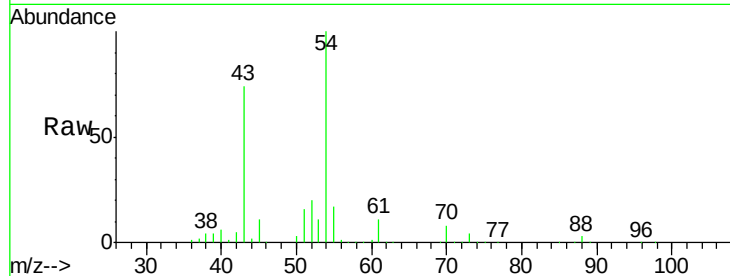
#43
Ethyl Acetate
Concen: 149.852 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	43	45	Ratio	Lower	Upper
659809	100	14.9		12.3	18.5

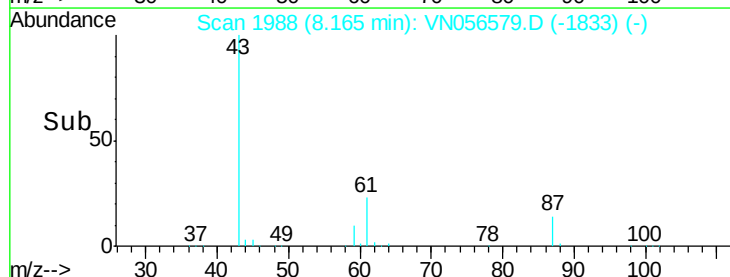
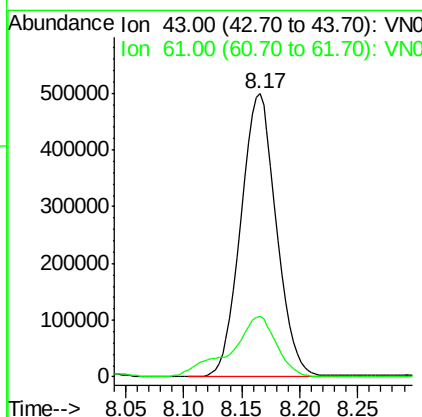
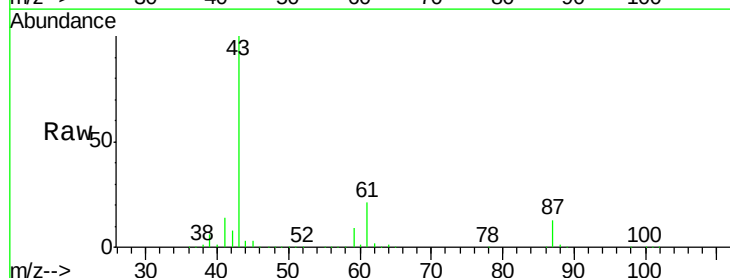
Manual Integrations
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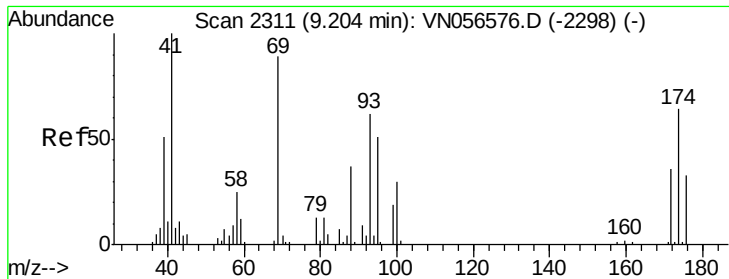
MMDadoda
7/8/2019 10:05:00 AM



#44
Isopropyl Acetate
Concen: 156.574 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	43	61	Ratio	Lower	Upper
1066048	100	27.4		16.9	25.3#





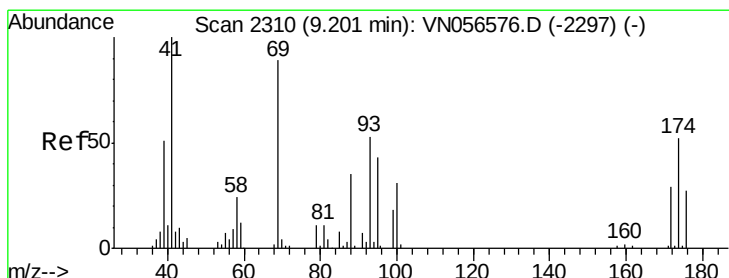
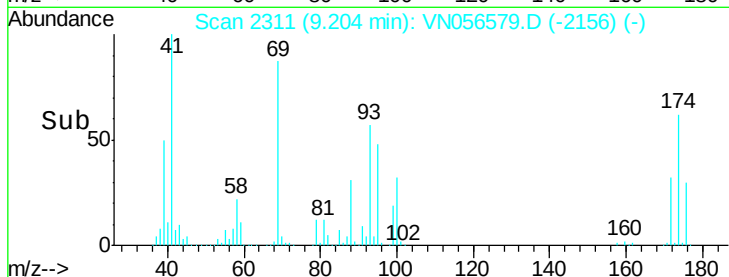
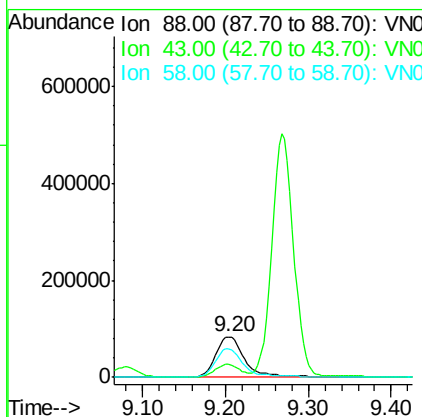
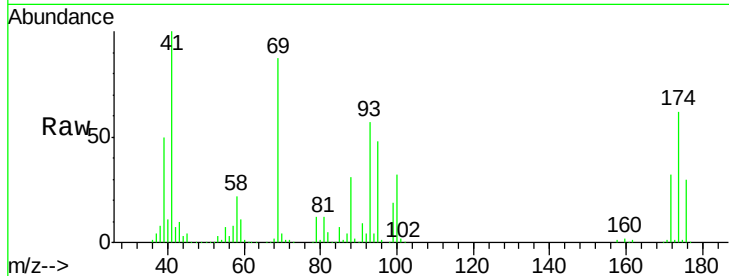
#45
 1,4-Dioxane
 Concen: 3103.568 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	88	Resp	207139
Ion Ratio	100	Lower	Upper
88	100		
43	26.6	19.8	29.6
58	66.3	48.5	72.7

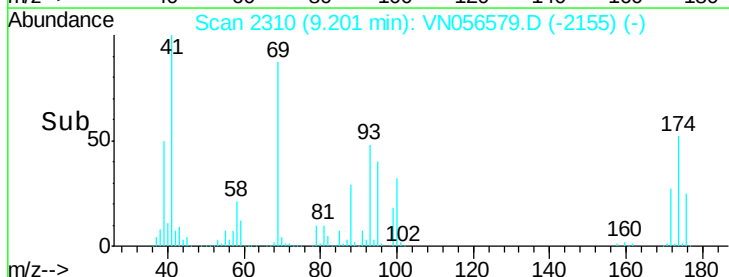
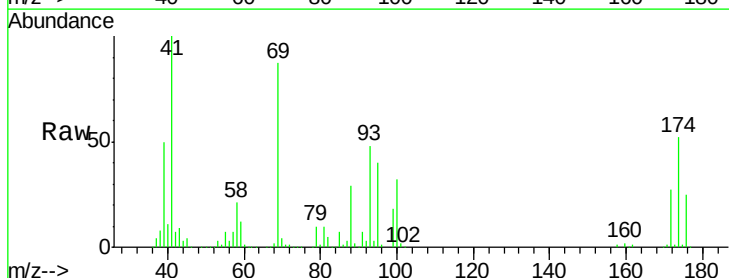
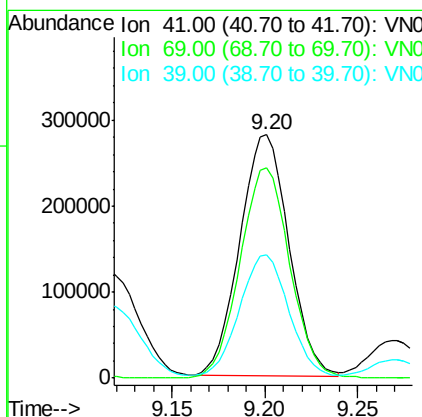
Manual Integrations
 APPROVED

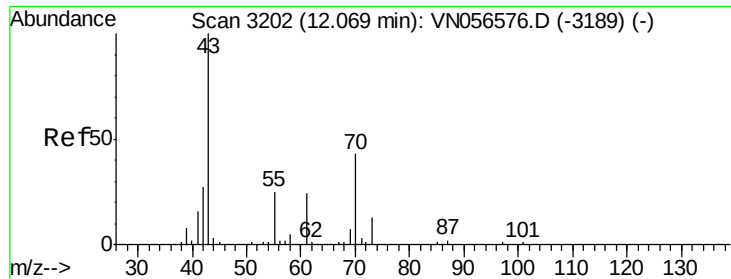
MMDadoda
 7/8/2019 10:05:00 AM



#46
 Methyl methacrylate
 Concen: 154.806 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	41	Resp	519097
Ion Ratio	100	Lower	Upper
41	100		
69	87.3	46.0	137.8
39	50.0	24.6	73.8





#47

n-amvl Acetate

Concen: 167.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 934663

Ion Ratio Lower Upper

43 100

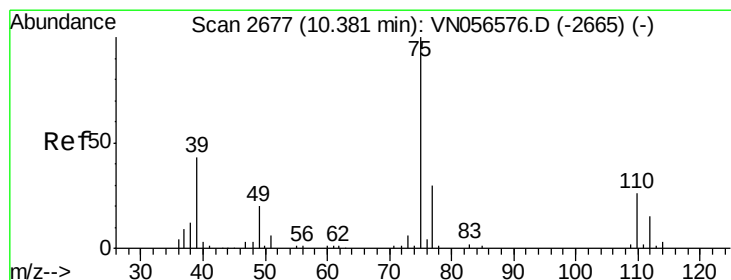
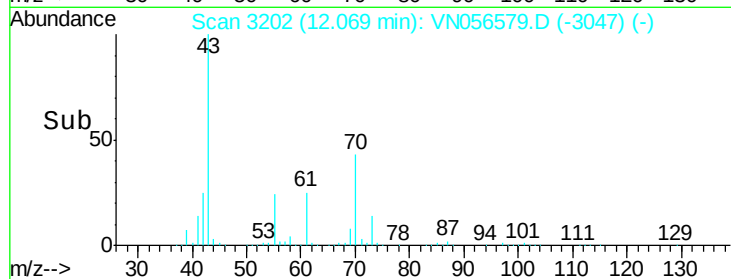
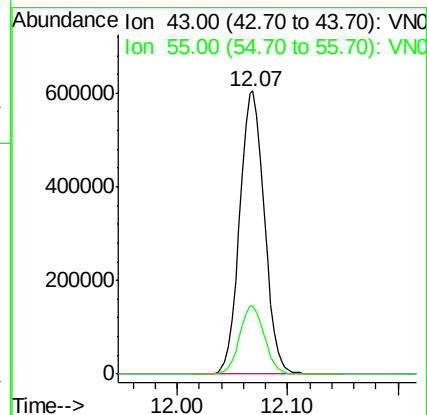
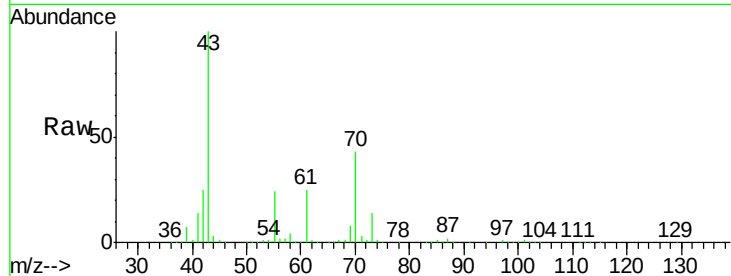
55 24.5 19.0 28.6

Manual Integrations

APPROVED

MMDadoda

7/8/2019 10:05:00 AM



#48

t-1,3-Dichloropropene

Concen: 172.804 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056579.D

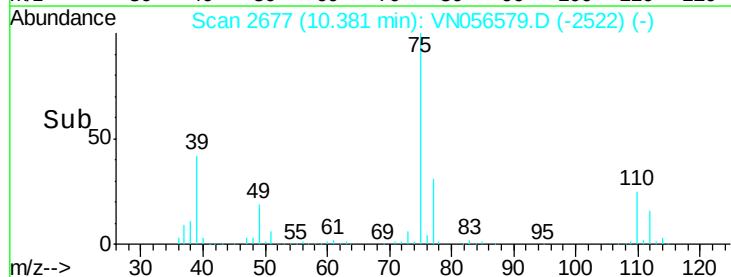
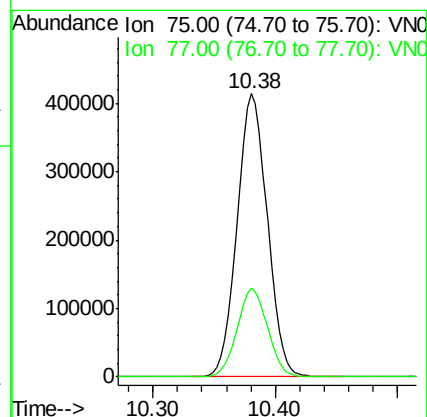
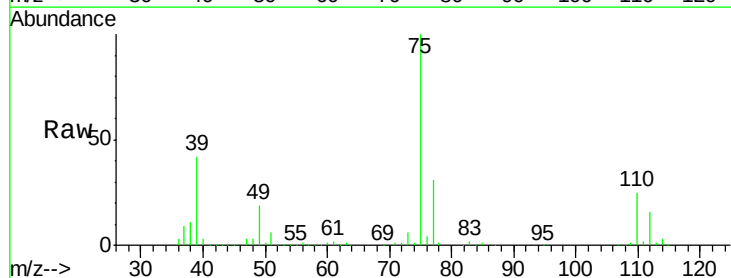
Acq: 3 Jul 2019 10:42

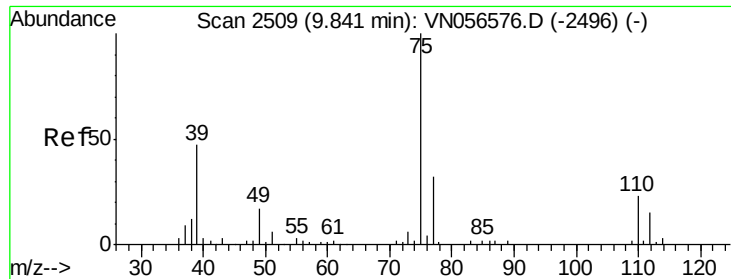
Tgt Ion: 75 Resp: 711550

Ion Ratio Lower Upper

75 100

77 31.1 26.0 39.0





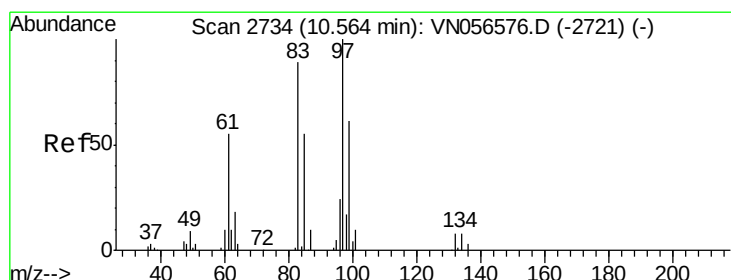
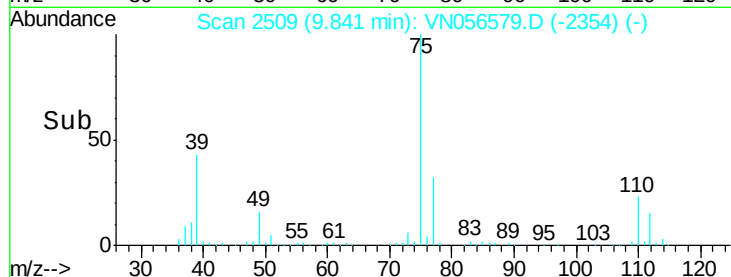
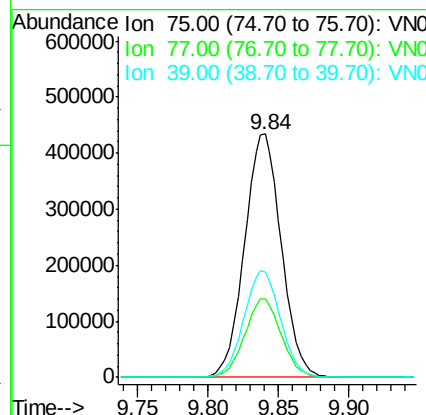
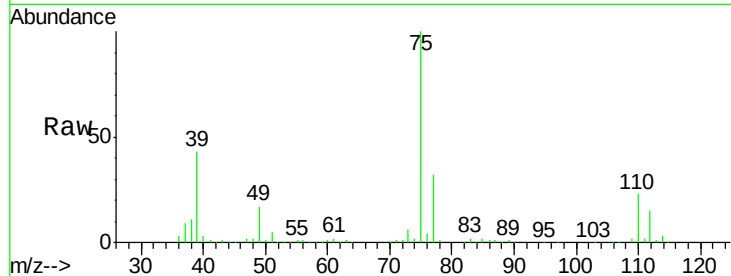
#49
 cis-1,3-Dichloropropene
 Concen: 164.605 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	43.2	34.3	51.5

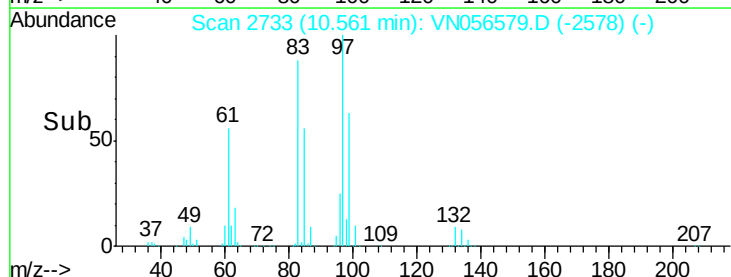
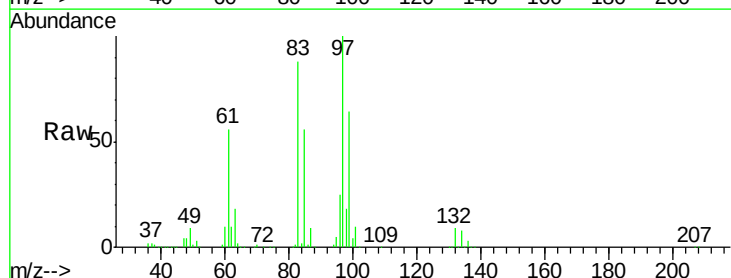
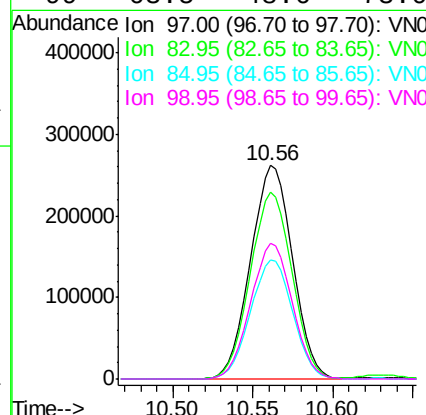
Manual Integrations
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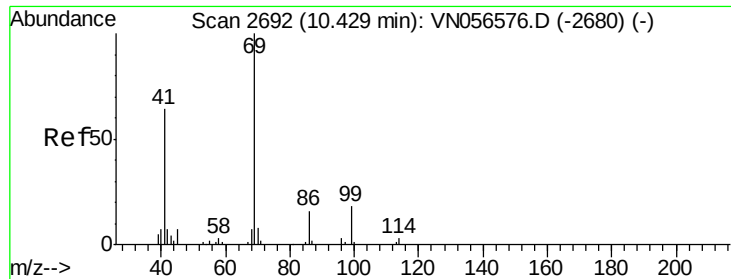
MMDadoda
 7/8/2019 10:05:00 AM



#50
 1,1,2-Trichloroethane
 Concen: 149.962 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	66.9	100.3
85	56.0	43.3	64.9
99	63.5	48.6	73.0





#51

Ethyl methacrylate

Concen: 159.399 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

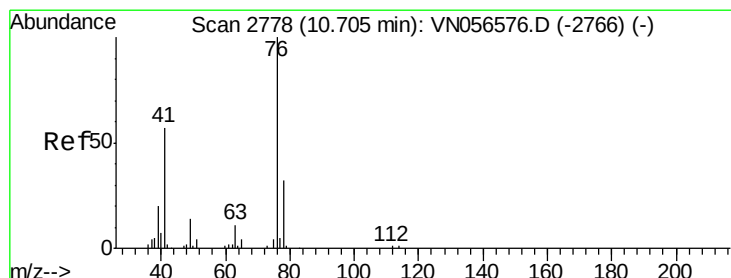
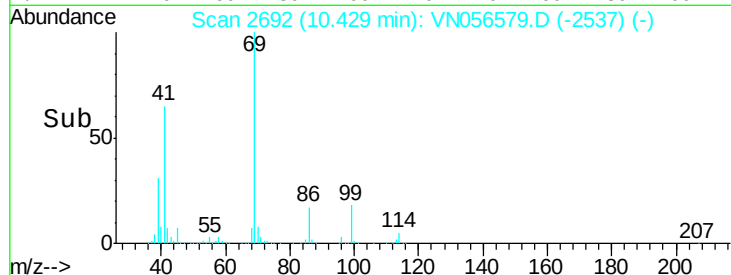
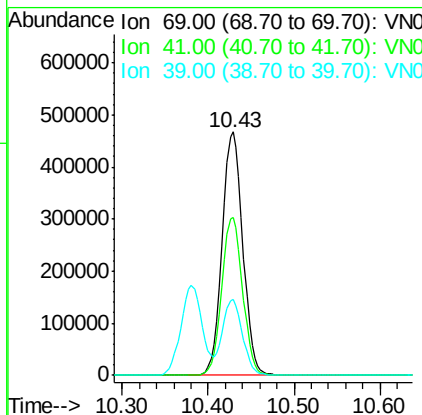
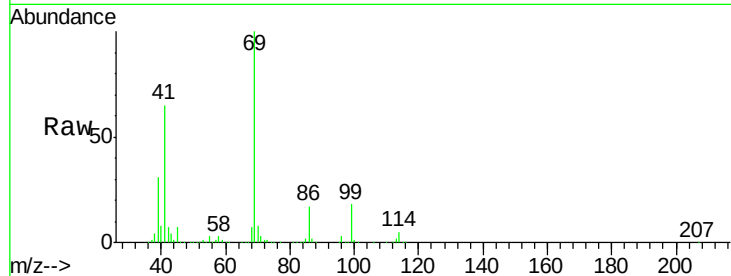
ClientSampled :

VSTDIC150

Tot Ion:	69	Resp:	780191
Ion	Ratio	Lower	Upper
69	100		
41	64.9	30.8	92.3
39	30.9	14.5	43.6

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:00 AM



#52

1,3-Dichloropropane

Concen: 150.031 ug/l

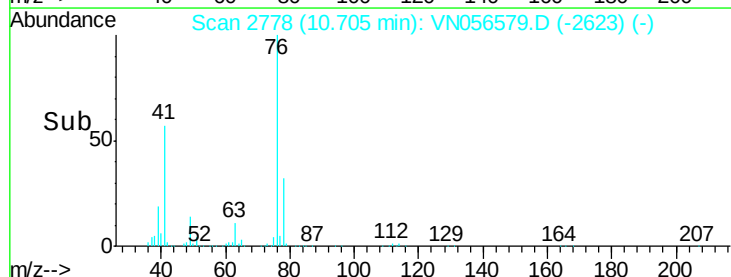
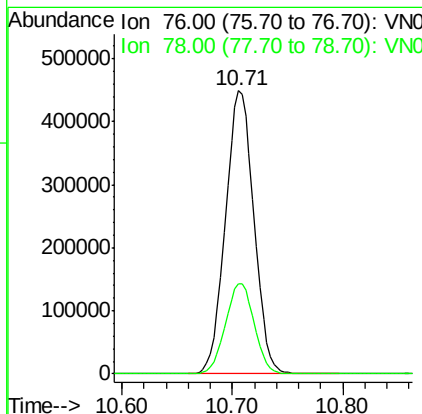
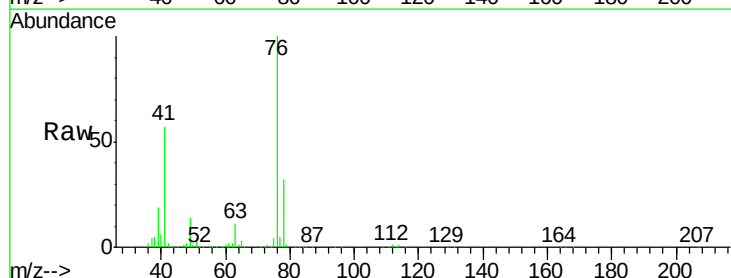
RT: 10.71 min Scan# 2778

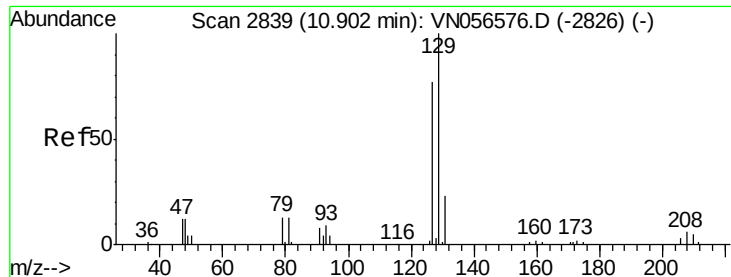
Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Tgt Ion:	76	Resp:	802189
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	63.4





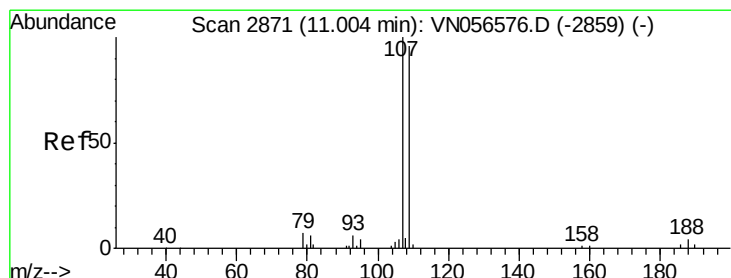
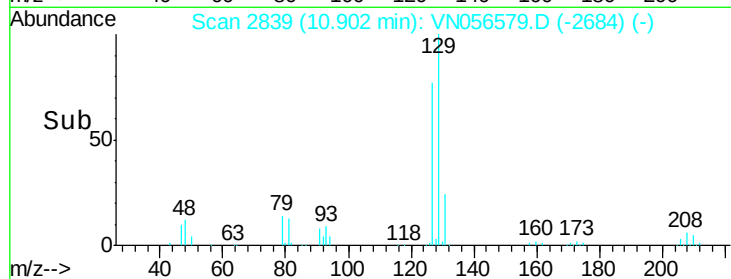
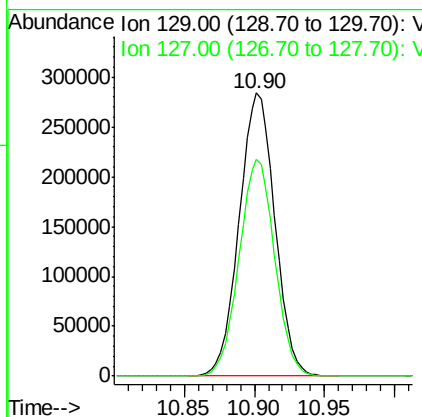
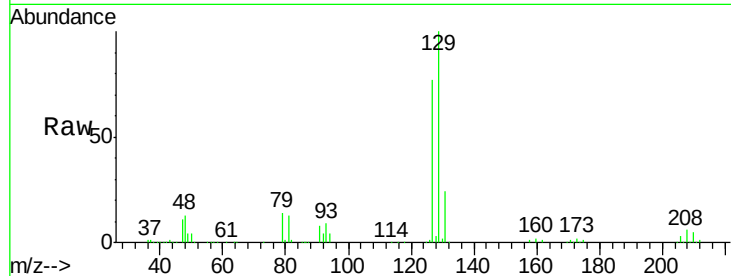
#53
 Dibromochloromethane
 Concen: 166.913 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		503440		
127	76.4	39.1	117.5		

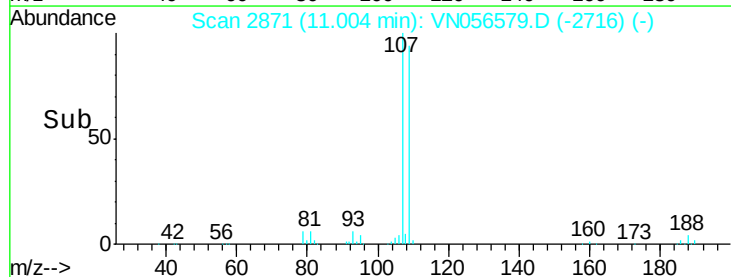
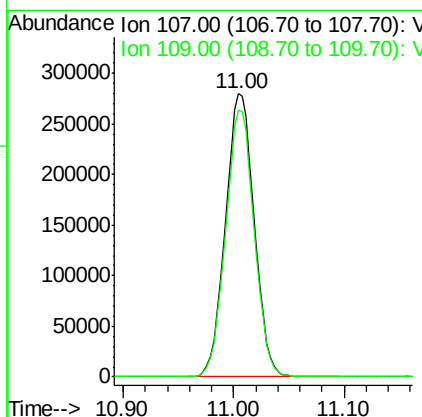
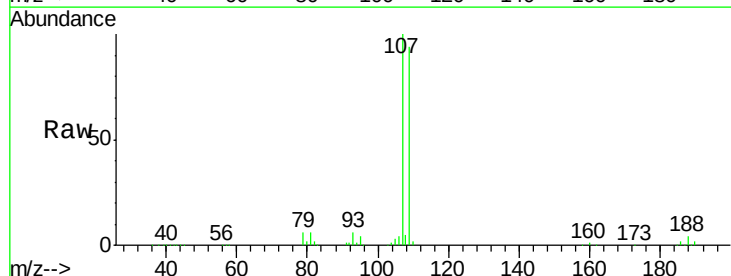
Manual Integrations
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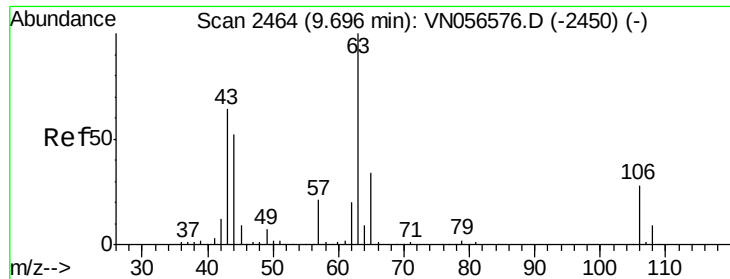
MMDadoda
 7/8/2019 10:05:00 AM



#54
 1,2-Dibromoethane
 Concen: 155.026 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		504905		
109	93.9	76.8	115.2		





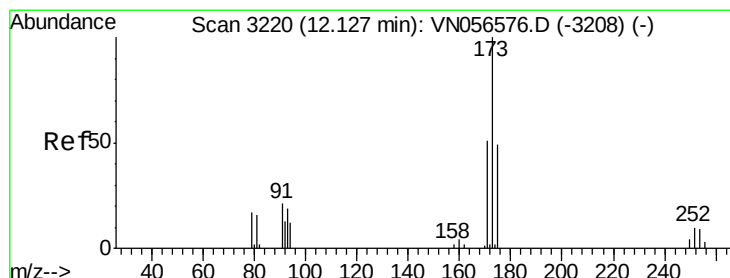
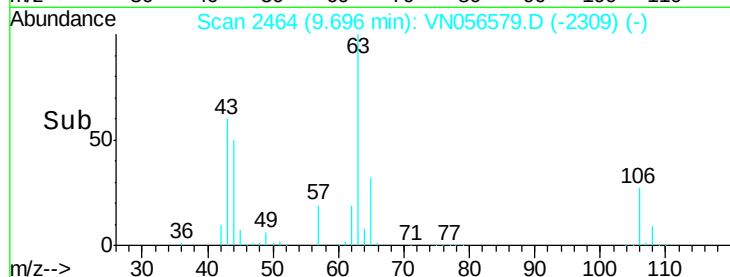
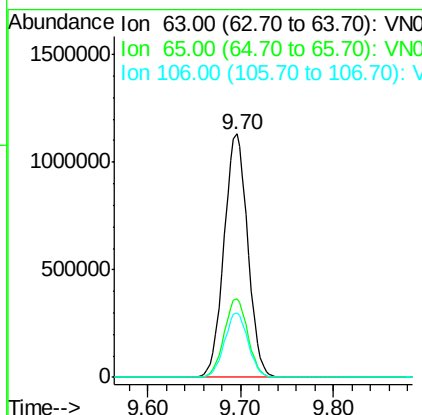
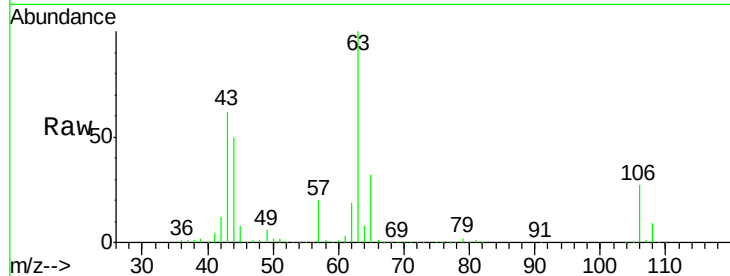
#55
2-Chloroethyl vinyl ether
Concen: 803.597 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 2000775
Ion Ratio Lower Upper
63 100
65 32.1 25.5 38.3
106 26.5 23.0 34.4

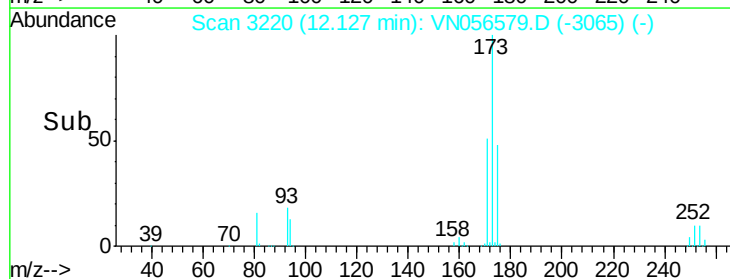
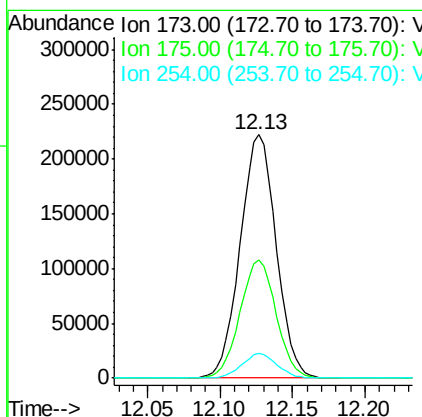
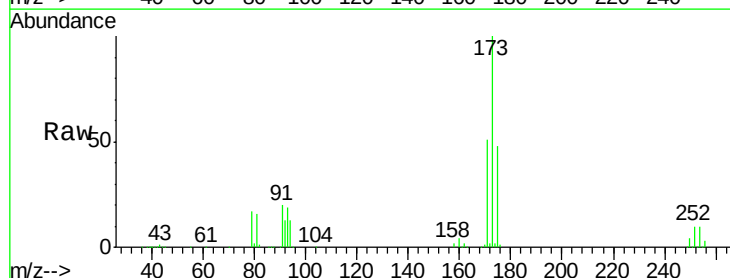
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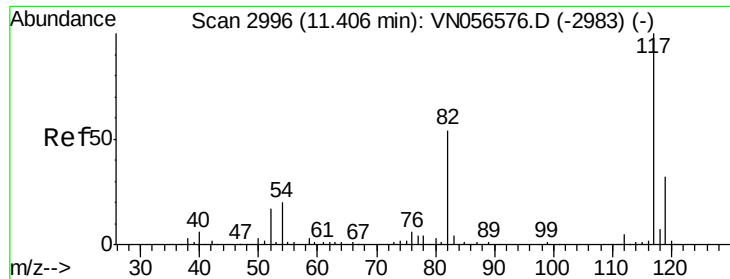
MMDadoda
7/8/2019 10:05:00 AM



#56
Bromoform
Concen: 177.662 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion: 173 Resp: 383986
Ion Ratio Lower Upper
173 100
175 48.6 38.7 58.1
254 10.0 6.6 9.8#





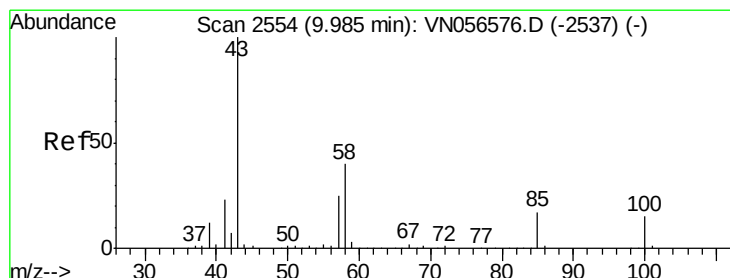
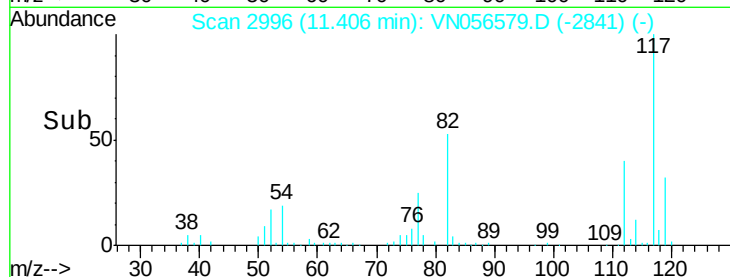
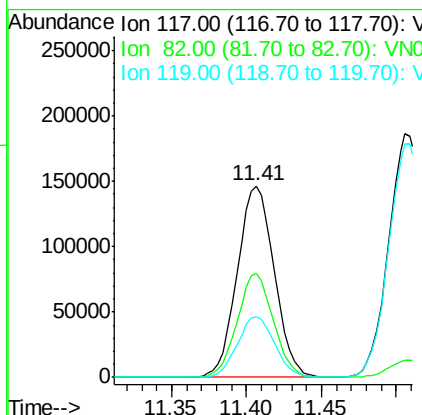
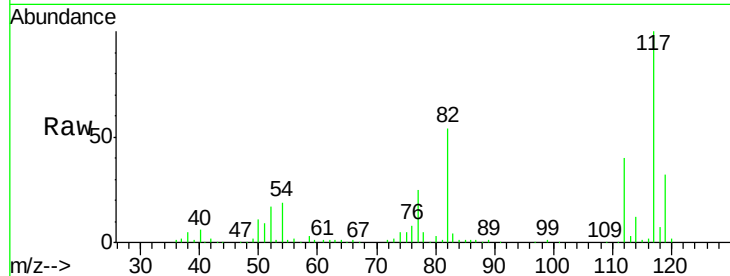
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.2	61.8
119	31.9	26.2	39.2

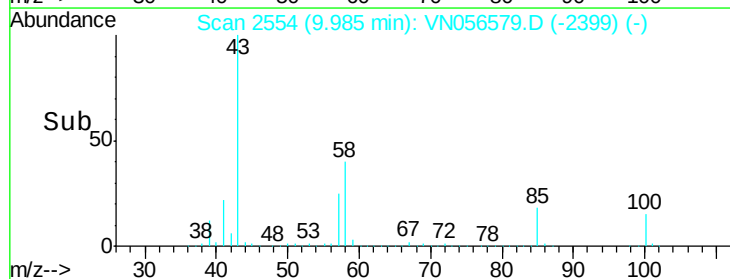
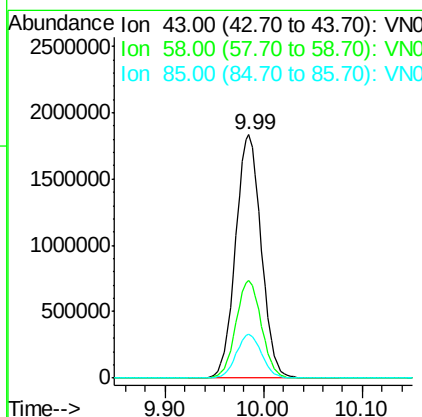
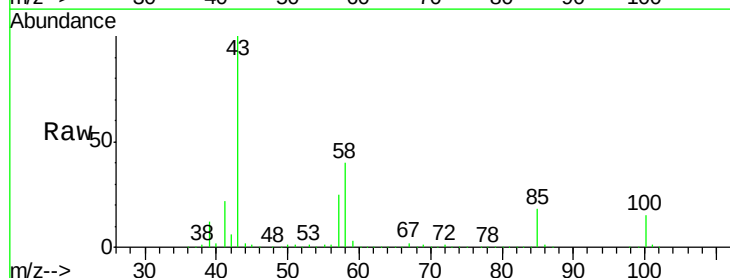
Manual Integrations
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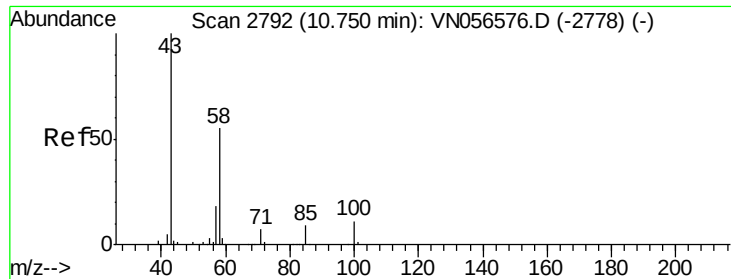
MMDadoda
7/8/2019 10:05:00 AM



#58
4-Methyl-2-Pentanone
Concen: 723.458 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	33.1	49.7
85	17.9	15.5	23.3





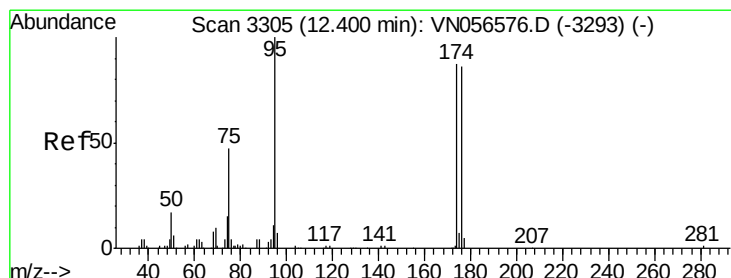
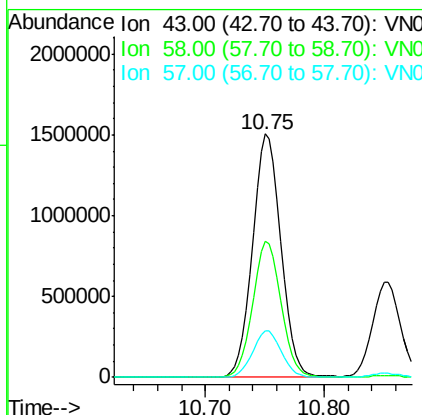
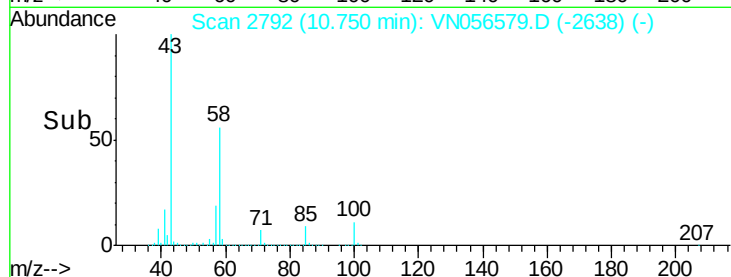
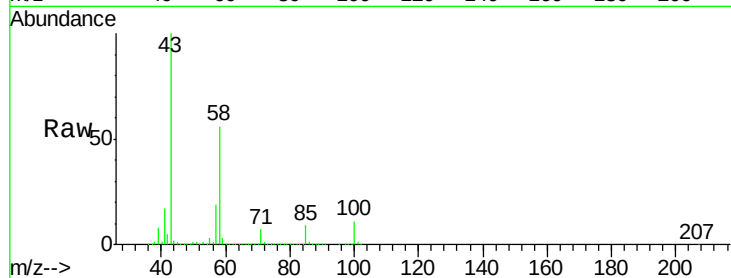
#59
2-Hexanone
Concen: 736.833 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	45.3	67.9
57	19.3	15.6	23.4

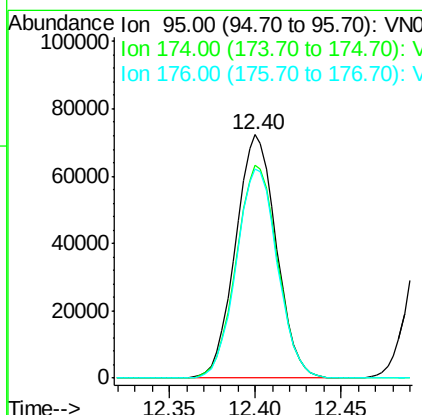
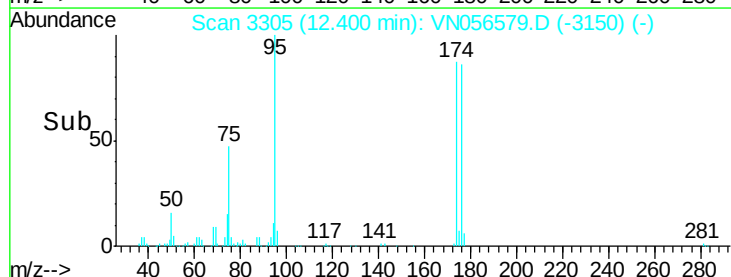
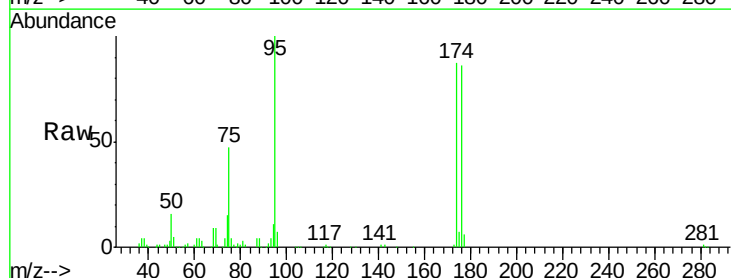
Manual Integrations
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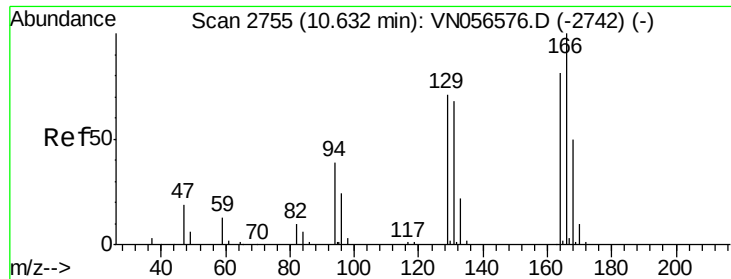
MMDadoda
7/8/2019 10:05:00 AM



#60
4-Bromofluorobenzene
Concen: 31.031 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	75.4	113.0
176	86.6	73.9	110.9





#61

Tetrachloroethene

Concen: 141.692 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 453232

Ion Ratio Lower Upper

164 100

166 129.5 104.3 156.5

129 90.8 71.5 107.3

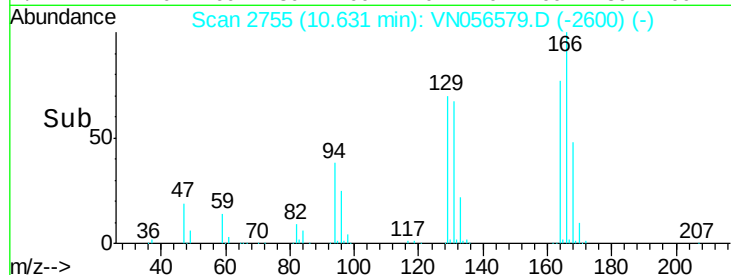
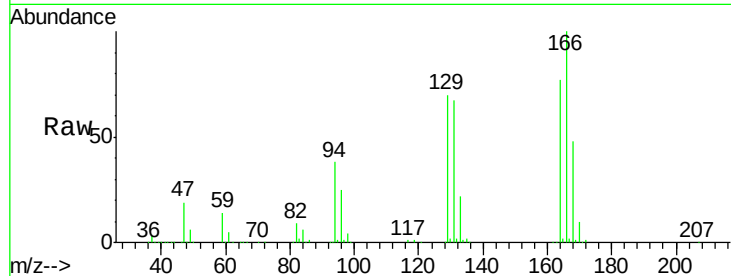
131 86.7 67.7 101.5

Manual Integrations

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MMDadoda

7/8/2019 10:05:00 AM

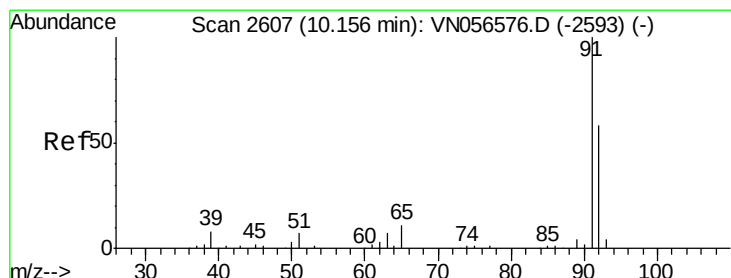
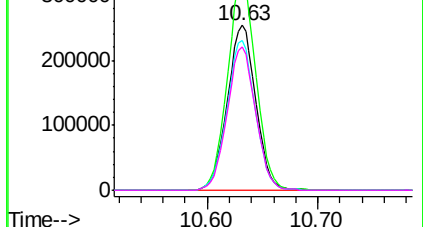


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 144.736 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056579.D

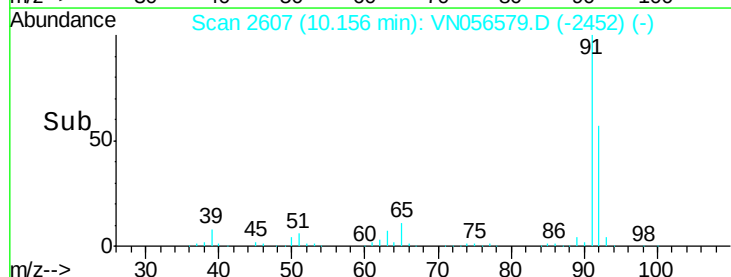
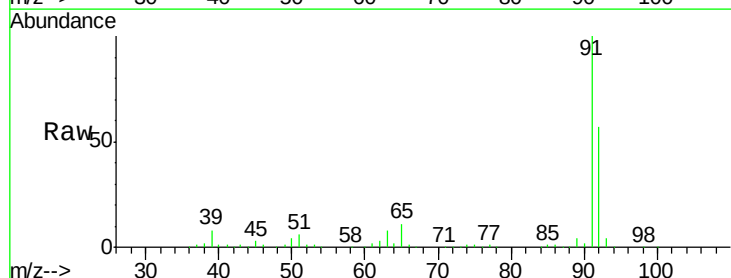
Acq: 3 Jul 2019 10:42

Tgt Ion: 91 Resp: 2050219

Ion Ratio Lower Upper

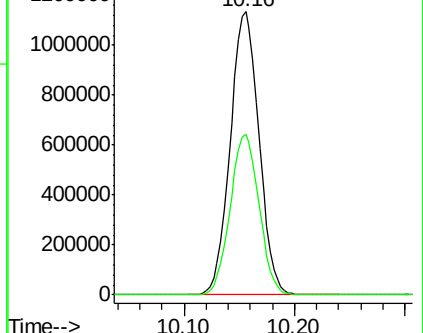
91 100

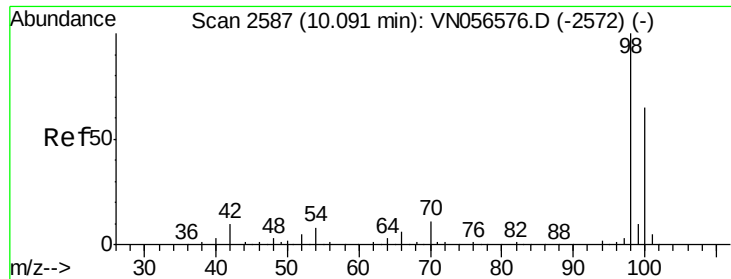
92 57.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





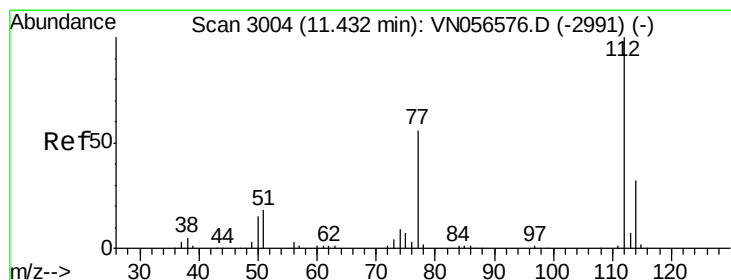
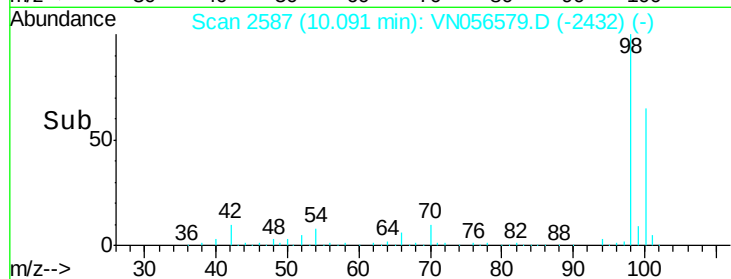
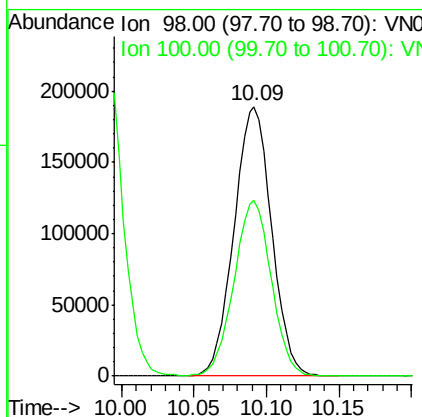
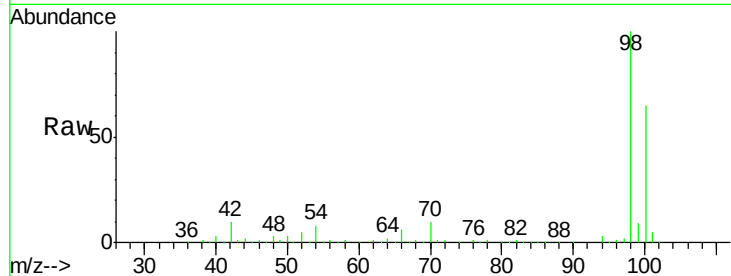
#63
Toluene-d8
Concen: 28.910 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 341061
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4

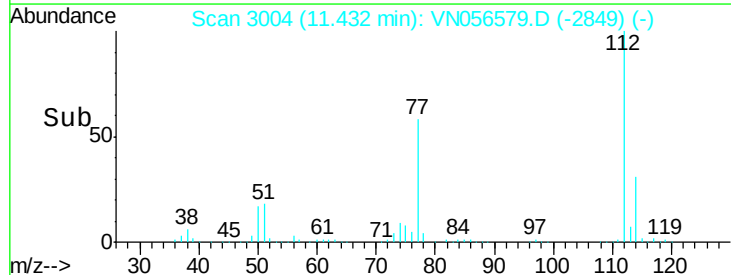
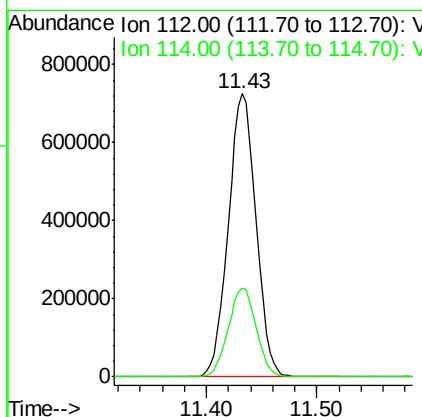
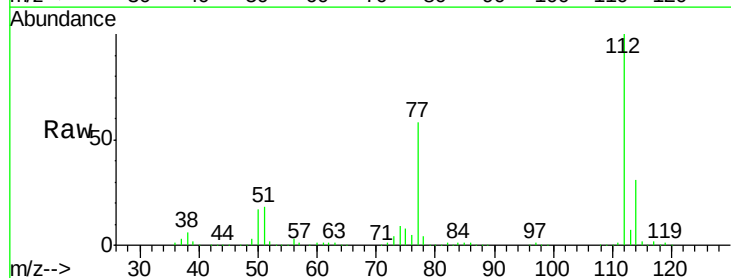
Manual Integrations
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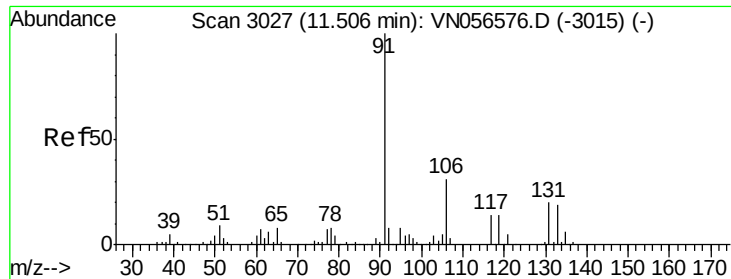
MMDadoda
7/8/2019 10:05:00 AM



#64
Chlorobenzene
Concen: 148.147 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion: 112 Resp: 1258523
Ion Ratio Lower Upper
112 100
114 31.5 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 153.664 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

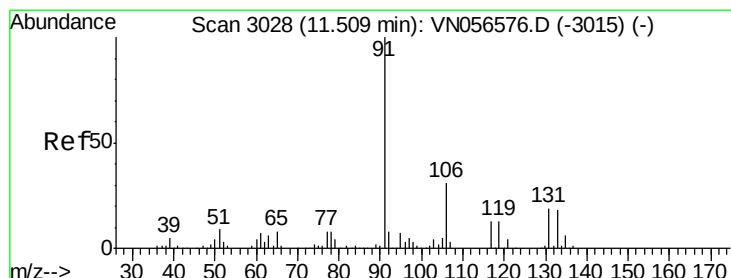
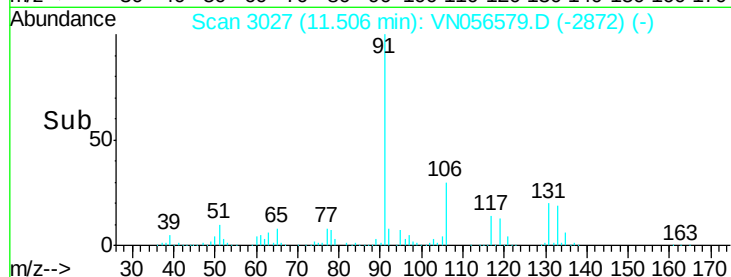
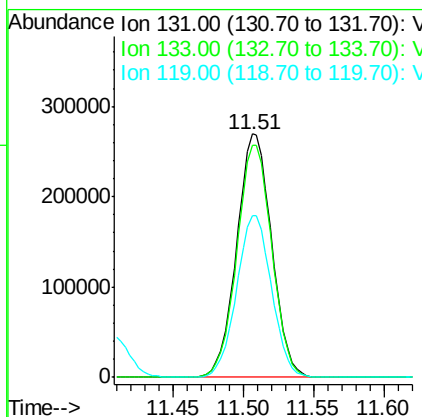
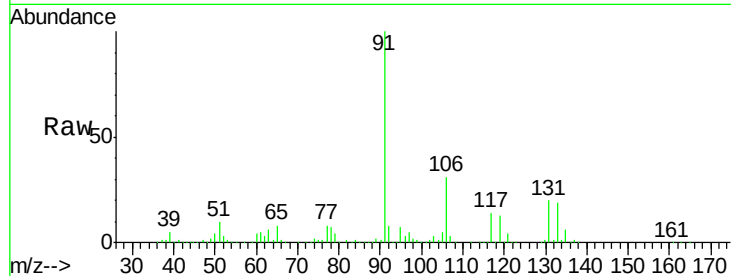
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	466688
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	193.8
119	66.5	0.0	134.4

Manual Integrations
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7/8/2019 10:05:00 AM



#66

Ethyl Benzene

Concen: 150.874 ug/l

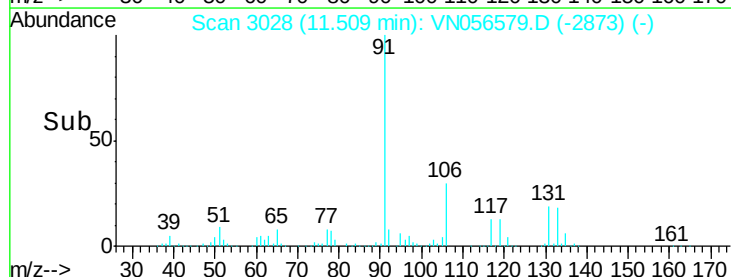
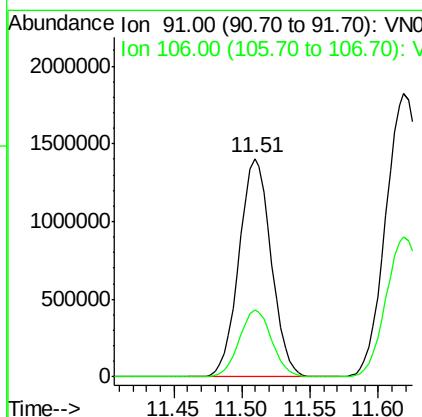
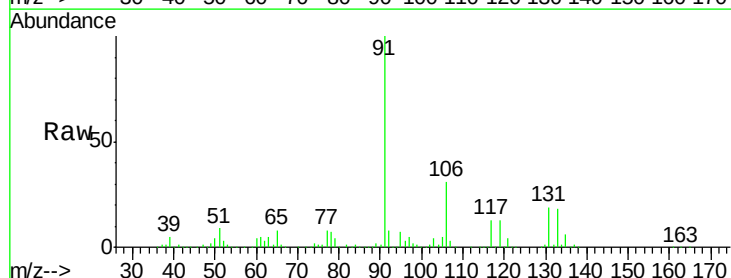
RT: 11.51 min Scan# 3028

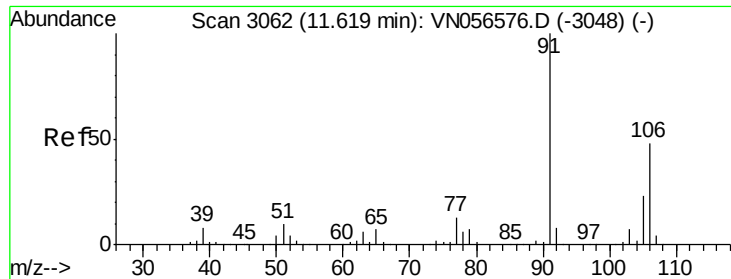
Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Tgt Ion:	91	Resp:	2298306
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.7	38.5





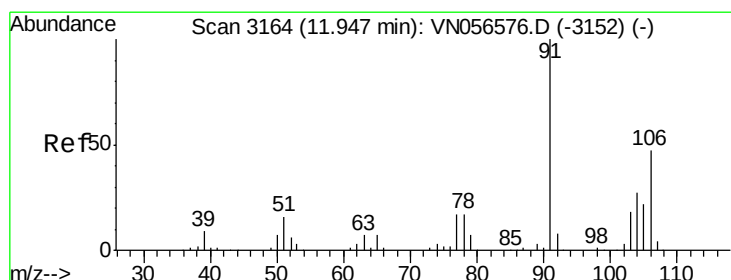
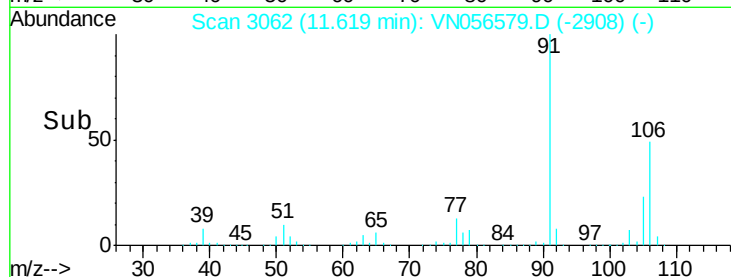
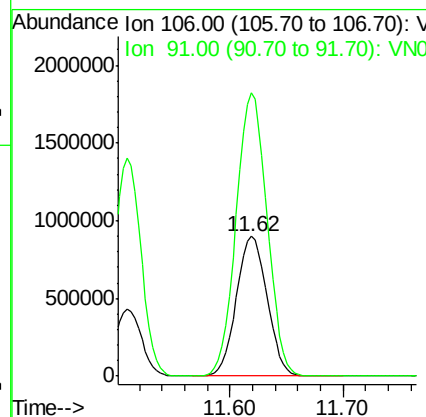
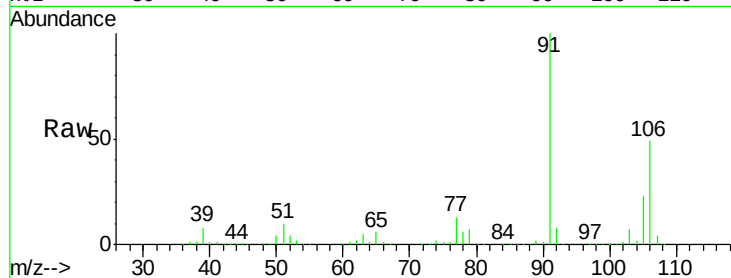
#67
m/p-Xylenes
Concen: 304.149 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1707137
Ion Ratio Lower Upper
106 100
91 203.0 155.7 233.5

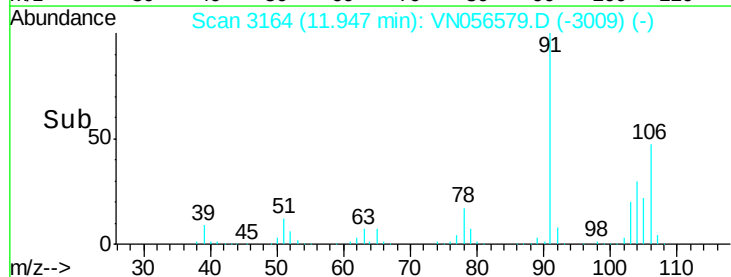
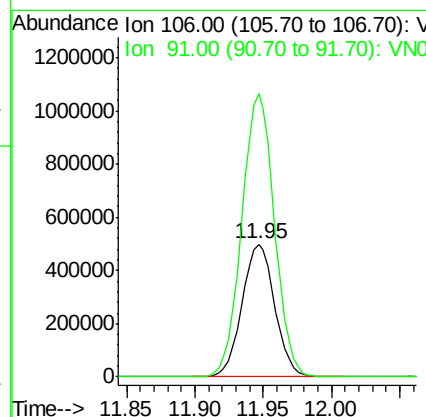
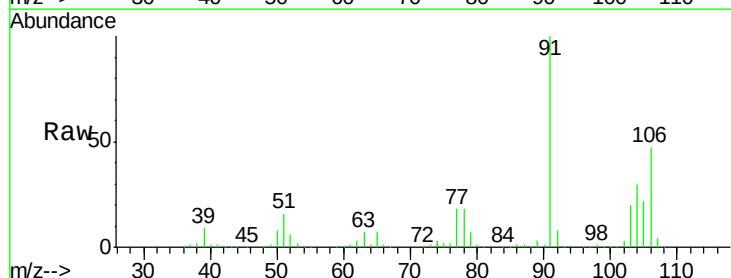
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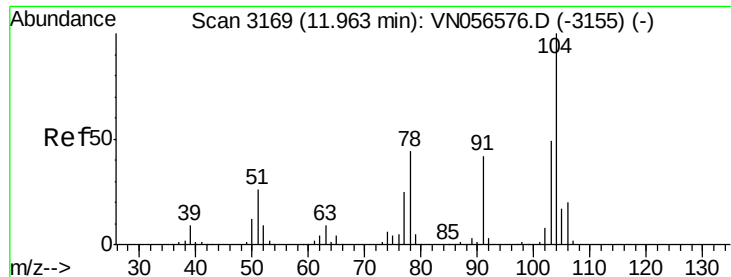
MMDadoda
7/8/2019 10:05:00 AM



#68
o-Xylene
Concen: 148.481 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion:106 Resp: 828143
Ion Ratio Lower Upper
106 100
91 212.9 103.9 311.7





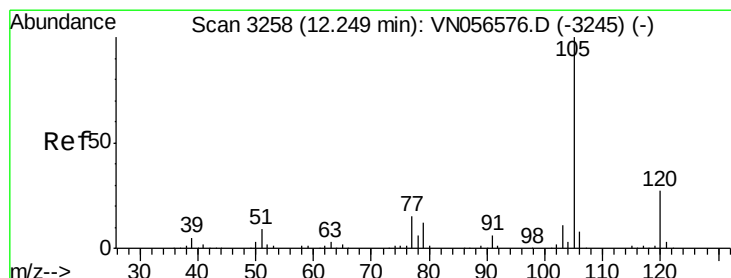
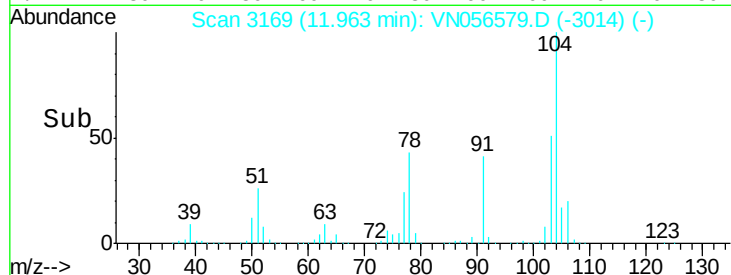
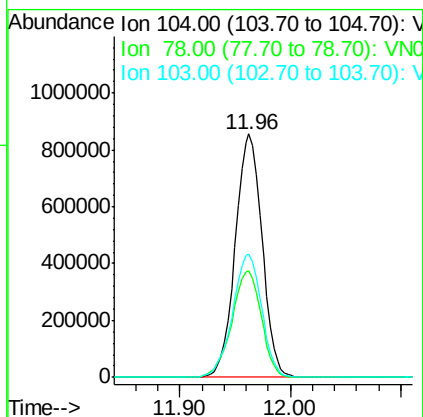
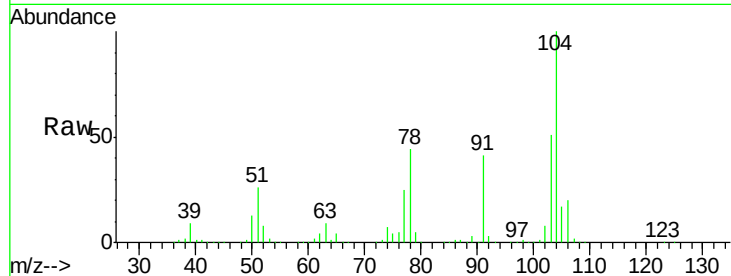
#69
Stvrene
Concen: 157.092 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:104 Resp: 1441203
Ion Ratio Lower Upper
104 100
78 48.2 37.0 55.6
103 54.7 44.4 66.6

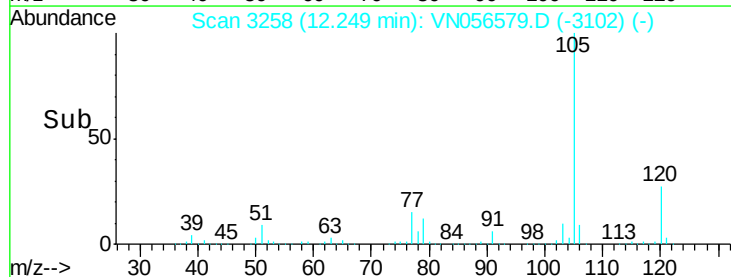
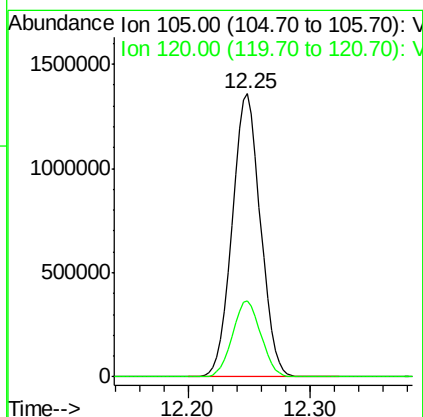
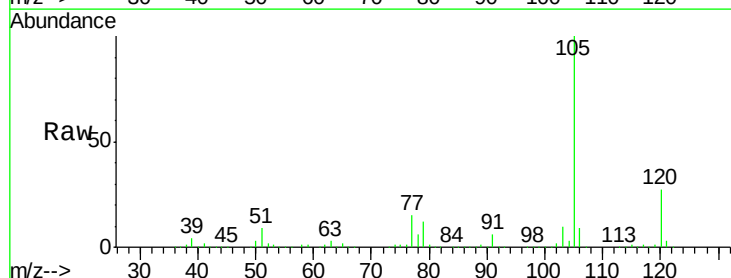
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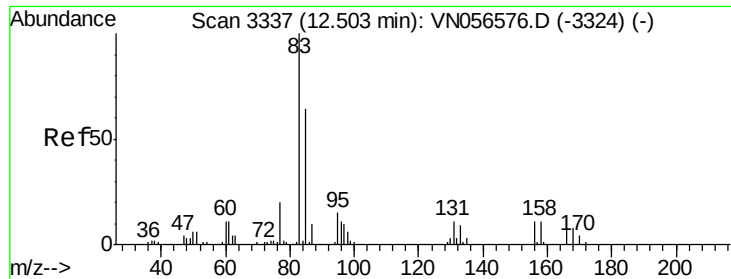
MMDadoda
7/8/2019 10:05:00 AM



#70
Isopropylbenzene
Concen: 150.435 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion:105 Resp: 2183488
Ion Ratio Lower Upper
105 100
120 27.0 19.3 35.8





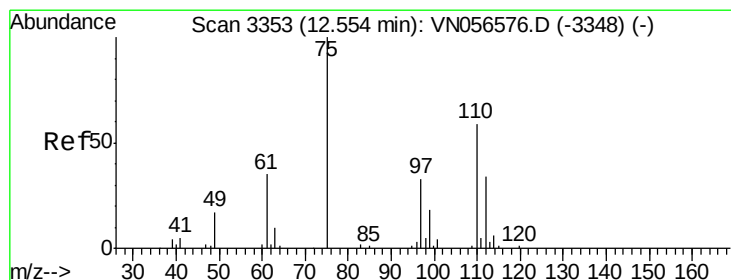
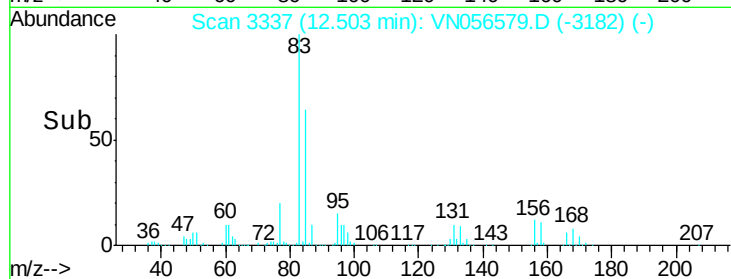
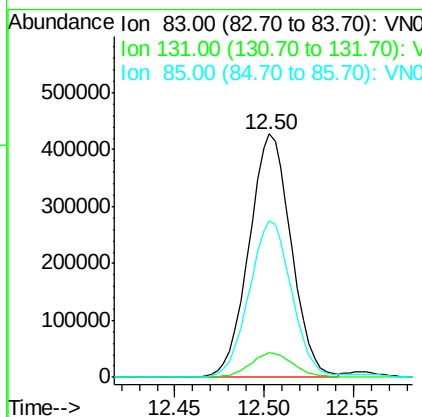
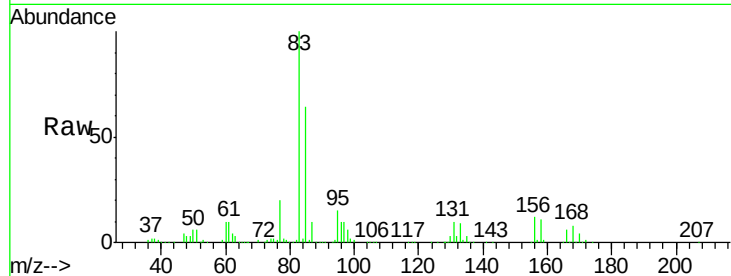
#71
 1,1,2,2-Tetrachloroethane
 Concen: 146.020 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	83	Resp	704834
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.6	31.6	94.7

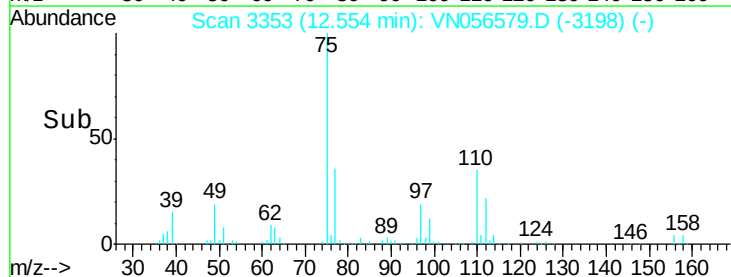
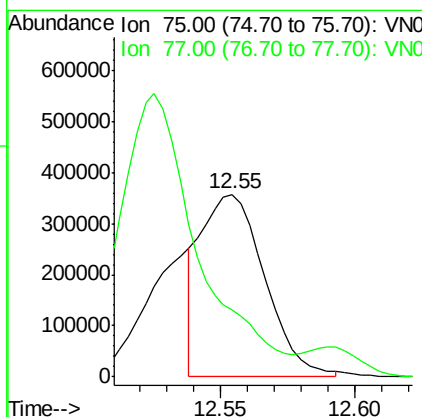
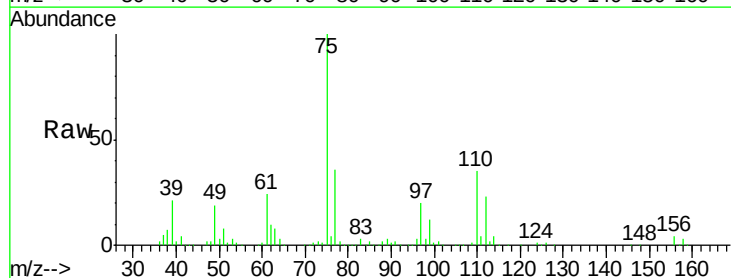
Manual Integrations
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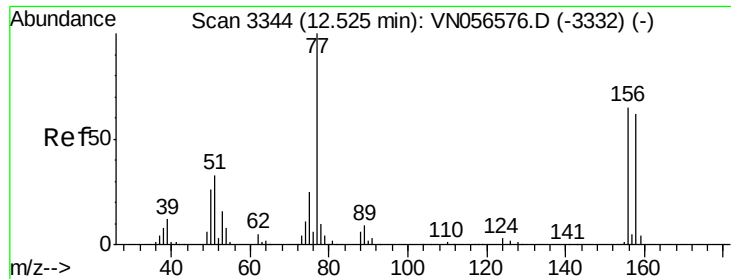
MMDadoda
 7/8/2019 10:05:00 AM



#72
 1,2,3-Trichloropropane
 Concen: 143.337 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	75	Resp	583931
Ion Ratio	100	Lower	Upper
75	100		
77	193.4	0.0	350.0





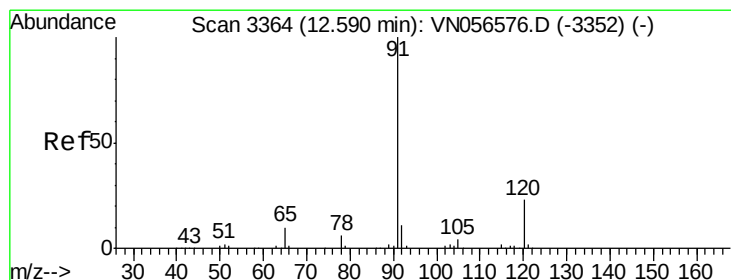
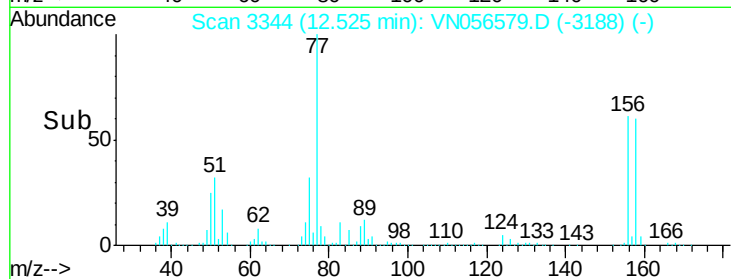
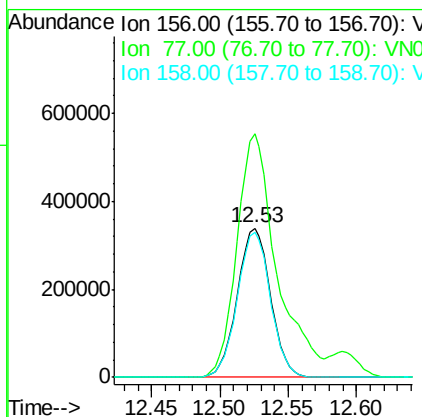
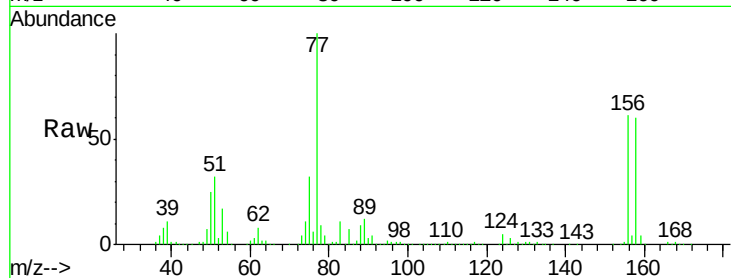
#73
Bromobenzene
Concen: 154.109 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.7	0.0	350.8
158	96.8	0.0	193.2

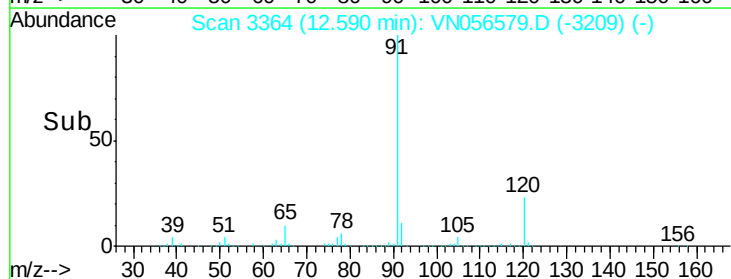
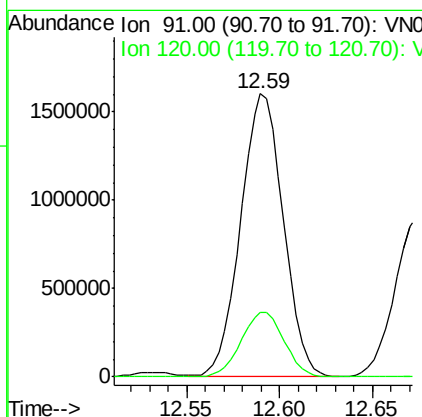
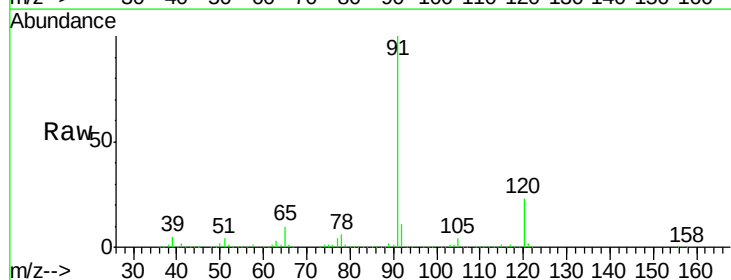
Manual Integrations
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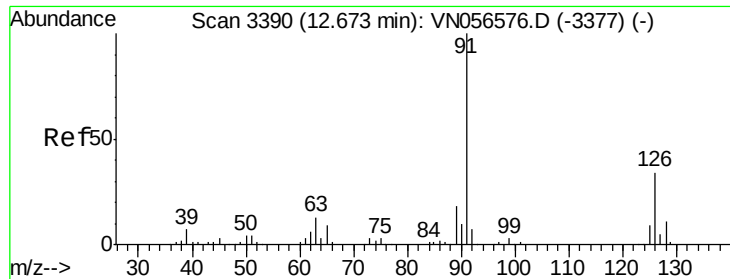
MMDadoda
7/8/2019 10:05:00 AM



#74
n-propylbenzene
Concen: 156.349 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	0.0	48.6





#75

2-Chlorotoluene

Concen: 150.247 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1479792

Ion Ratio Lower Upper

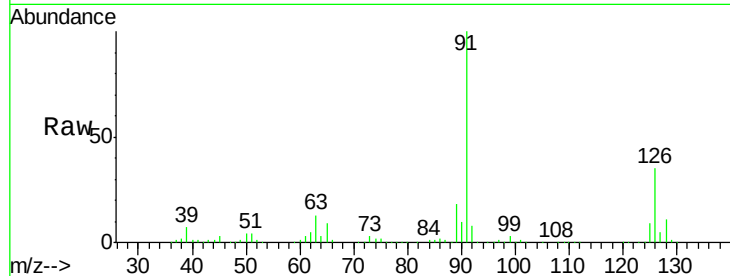
91 100

126 34.8 0.0 72.4

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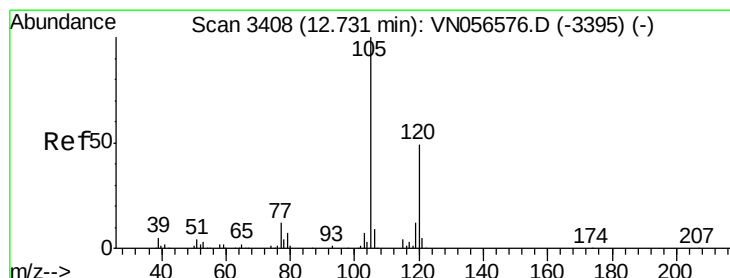
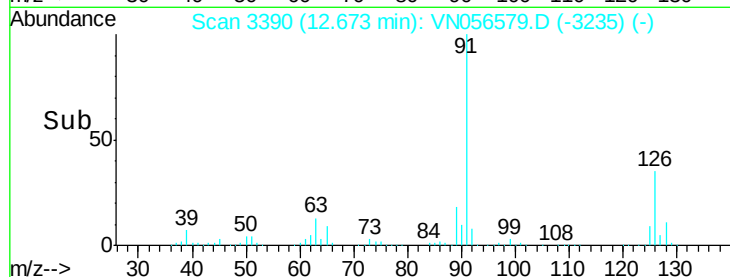
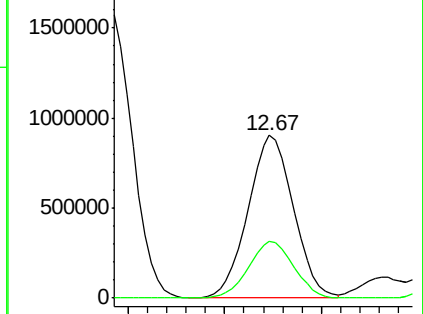
MMDadoda

7/8/2019 10:05:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 151.927 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056579.D

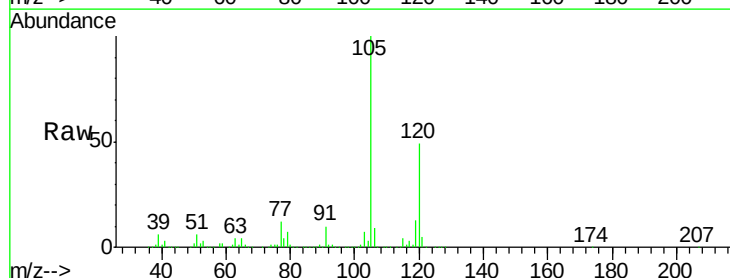
Acq: 3 Jul 2019 10:42

Tgt Ion: 105 Resp: 1863569

Ion Ratio Lower Upper

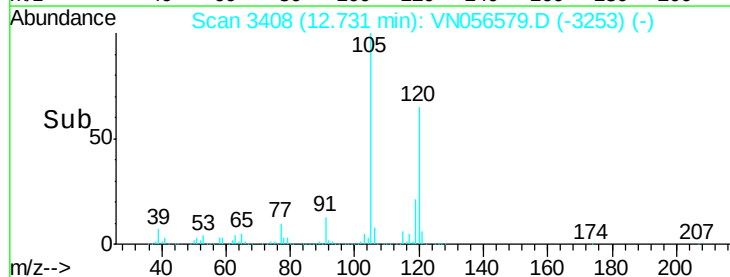
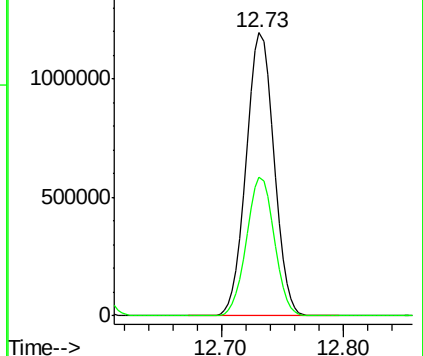
105 100

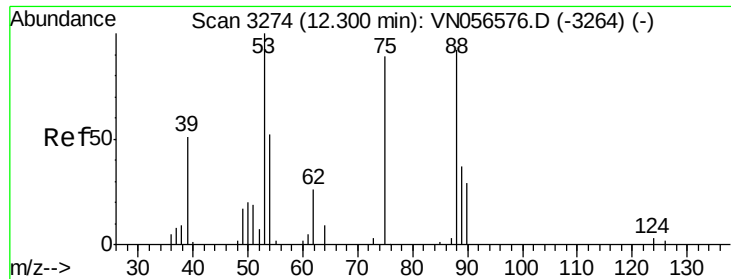
120 49.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 192.808 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

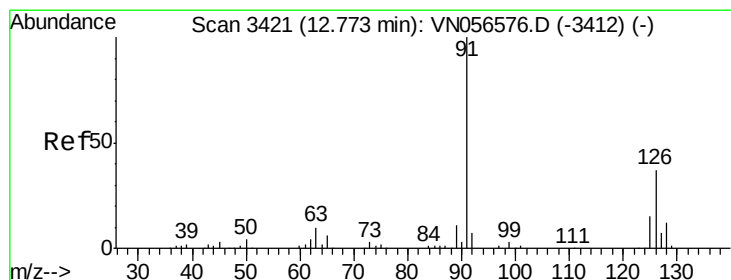
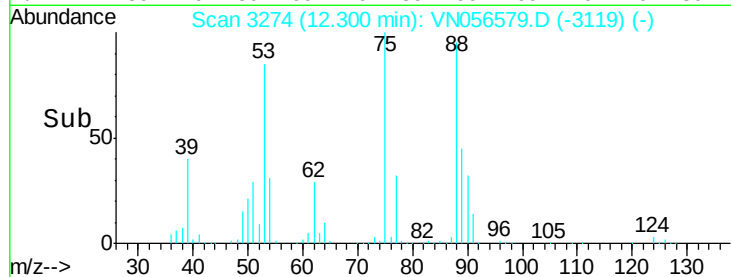
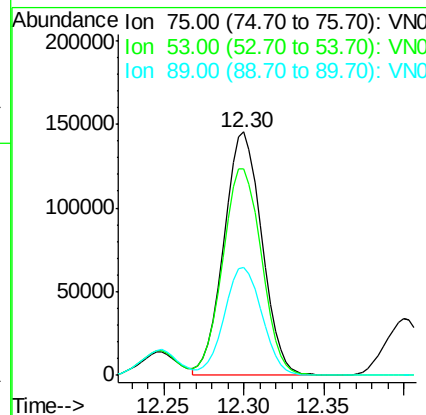
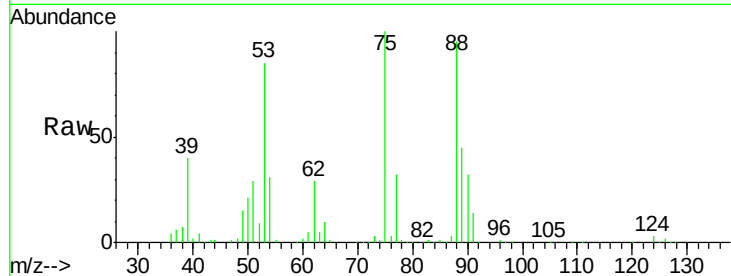
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	235894
Ion Ratio	Lower	Upper	
75	100		
53	84.9	48.0	144.0
89	44.6	22.5	67.5

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#78

4-Chlorotoluene

Concen: 159.674 ug/l

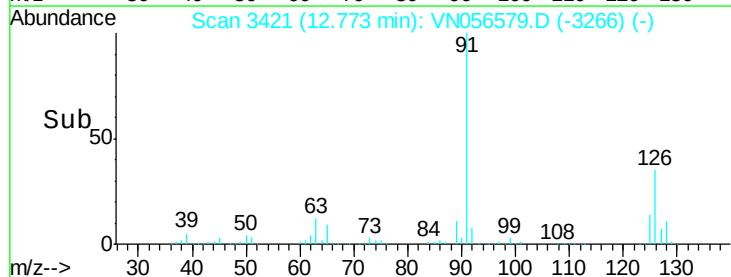
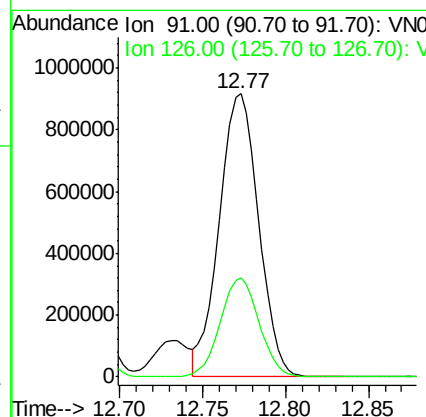
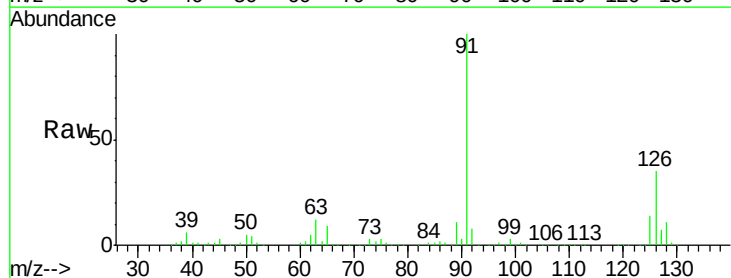
RT: 12.77 min Scan# 3421

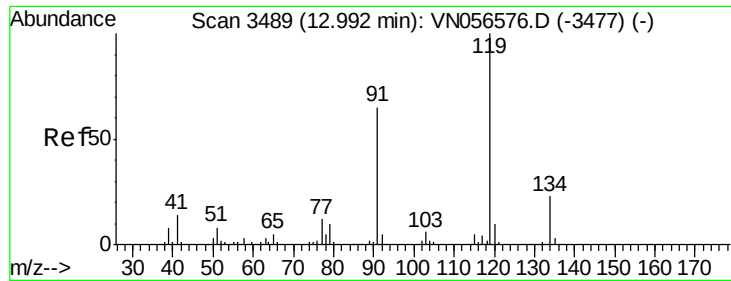
Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Tgt Ion:	91	Resp:	1510492
Ion Ratio	Lower	Upper	
91	100		
126	34.5	0.0	71.8





#79

tert-butylbenzene

Concen: 149.196 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:119 Resp: 1569327

Ion Ratio Lower Upper

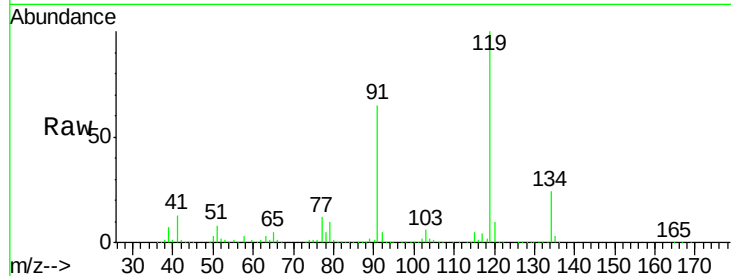
119 100

91 63.6 0.0 122.8

134 24.3 0.0 50.2

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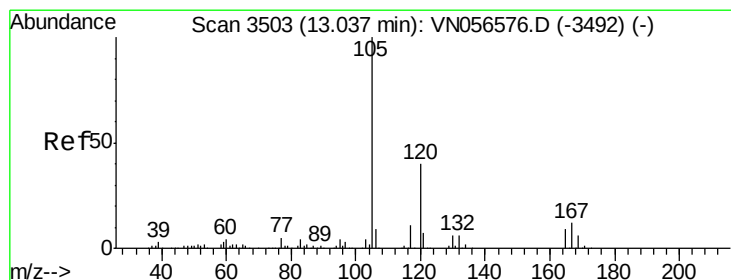
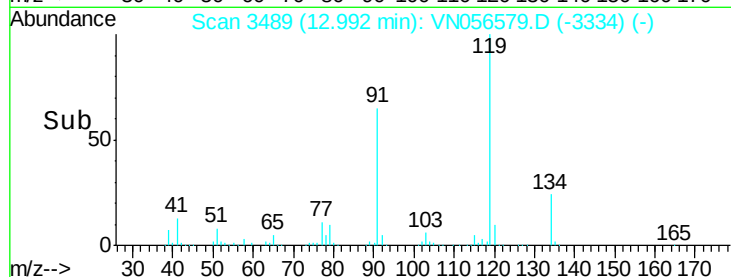
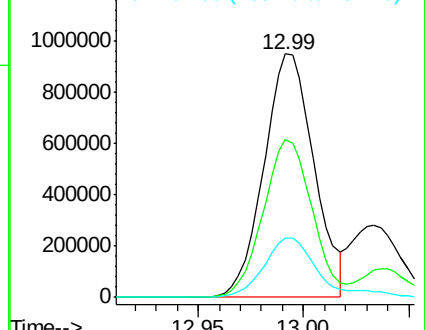
MMDadoda
7/8/2019 10:05:00 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 155.708 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056579.D

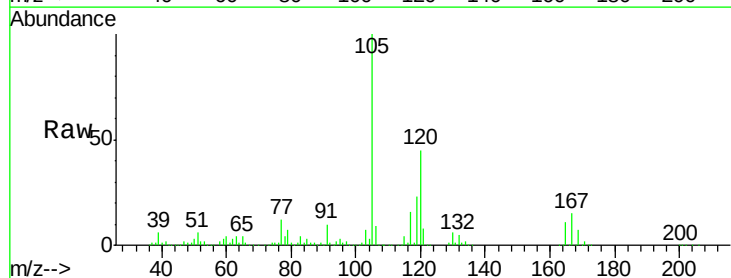
Acq: 3 Jul 2019 10:42

Tgt Ion:105 Resp: 1876959

Ion Ratio Lower Upper

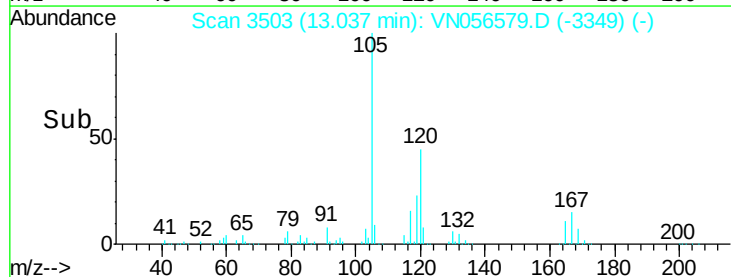
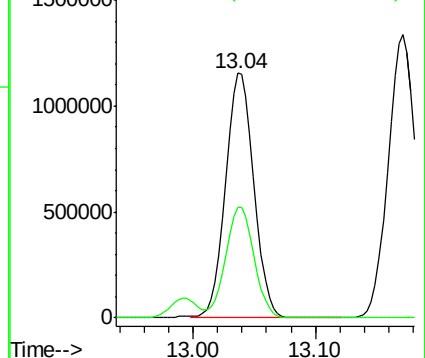
105 100

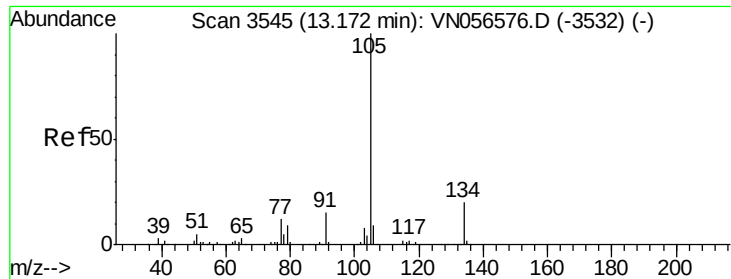
120 45.4 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





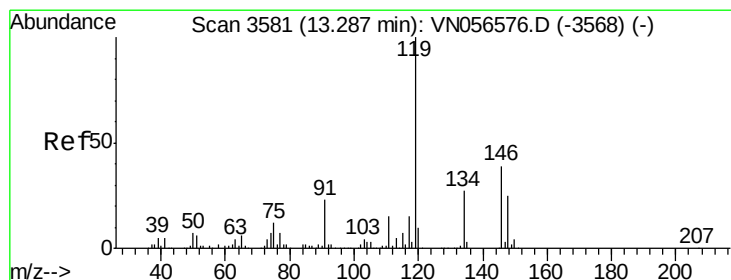
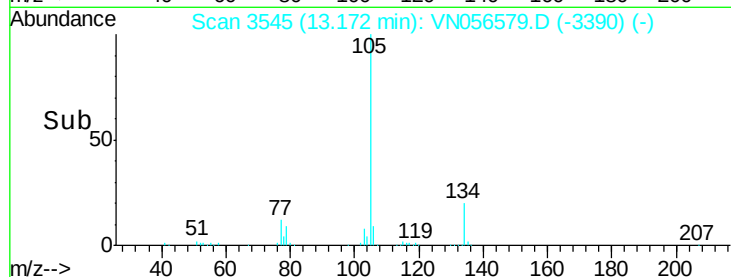
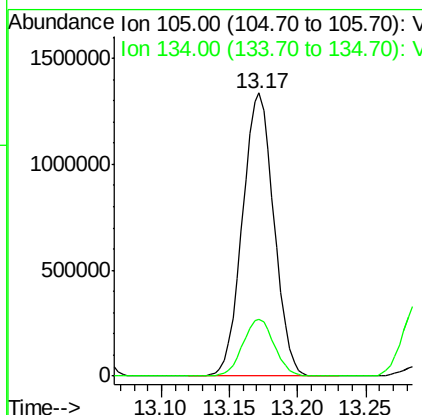
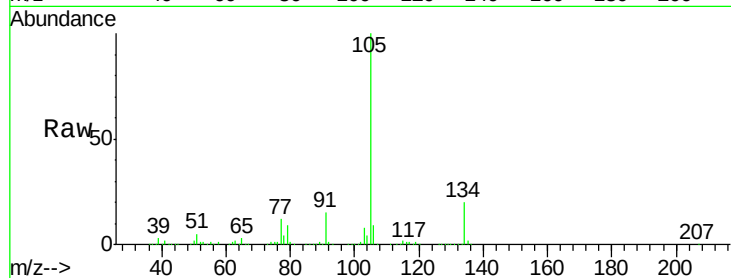
#81
 sec-Butylbenzene
 Concen: 153.649 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 2130461
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 41.8

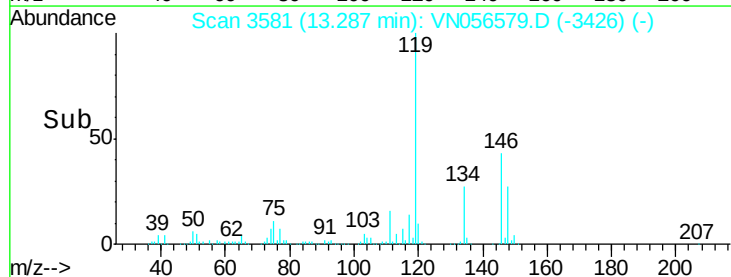
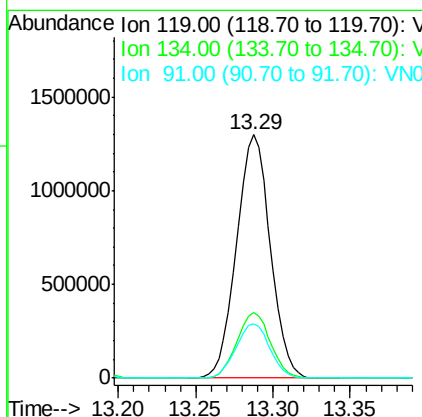
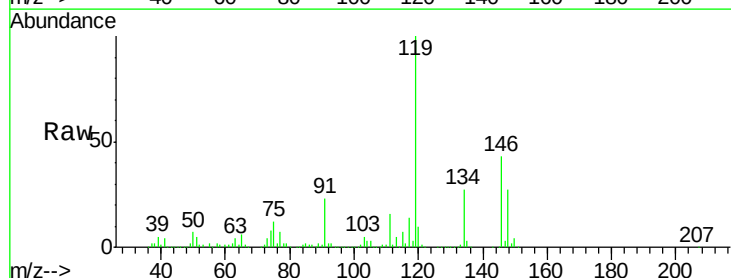
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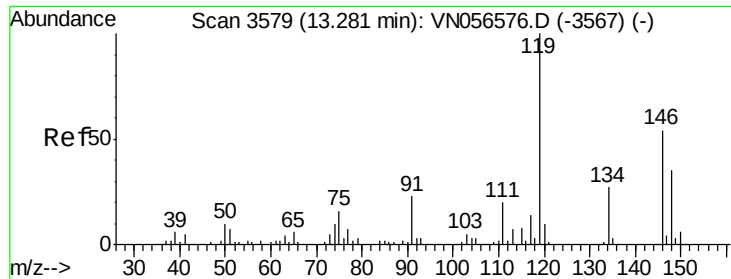
MMDadoda
 7/8/2019 10:05:00 AM



#82
 p-Isopropyltoluene
 Concen: 158.515 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion:119 Resp: 1963476
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.4
 91 22.4 0.0 43.0





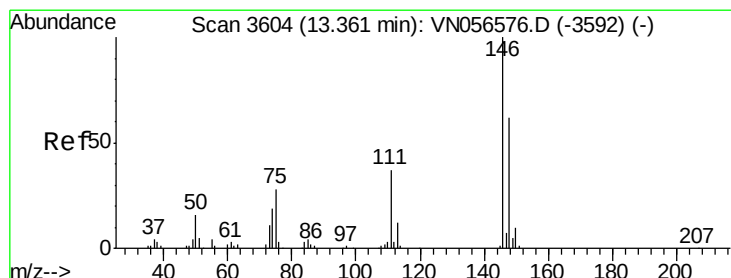
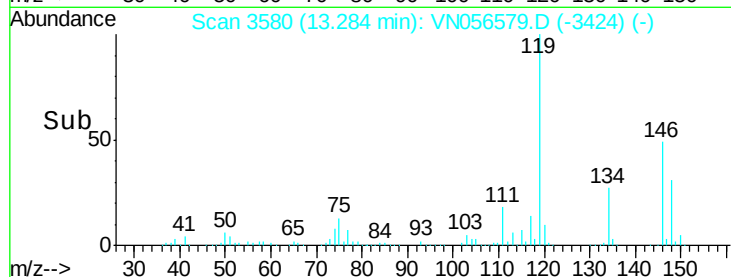
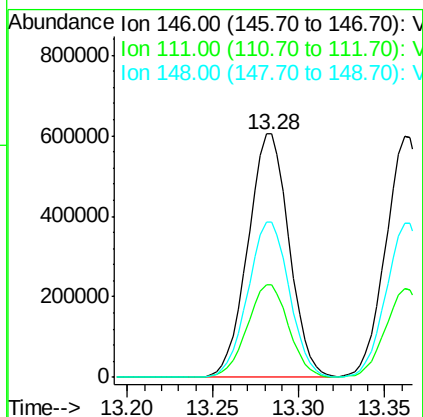
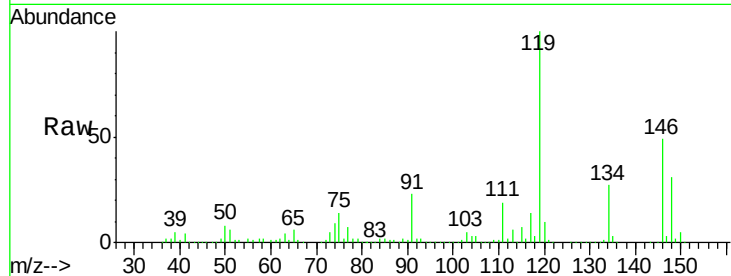
#83
 1,3-Dichlorobenzene
 Concen: 164.440 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.2	54.6
148	64.4	31.9	95.9

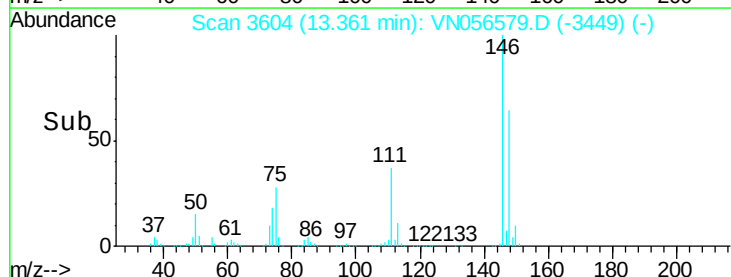
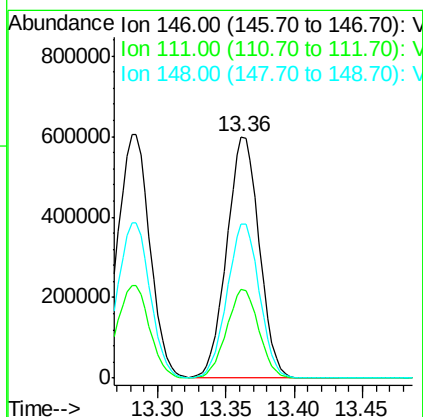
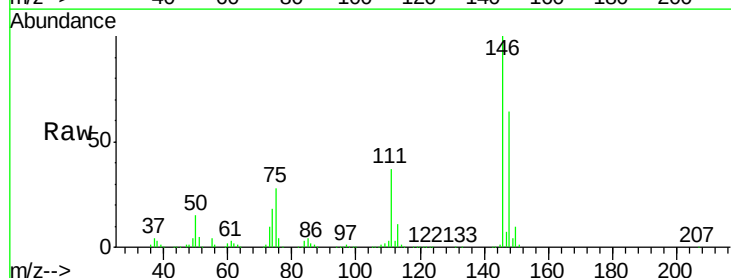
Manual Integrations
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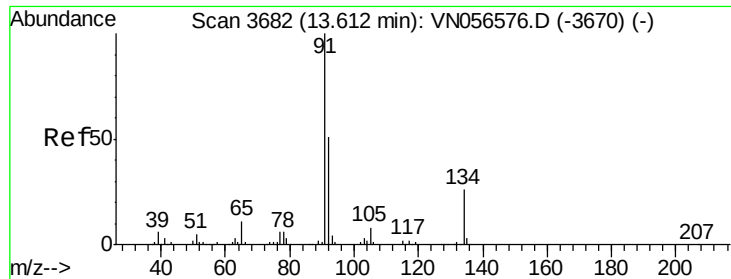
MMDadoda
 7/8/2019 10:05:00 AM



#84
 1,4-Dichlorobenzene
 Concen: 169.432 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.6	52.9
148	63.8	32.1	96.3





#85

n-Butylbenzene

Concen: 170.368 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056579.D

Acq: 3 Jul 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1746148

Ion Ratio Lower Upper

91 100

92 52.9 0.0 107.2

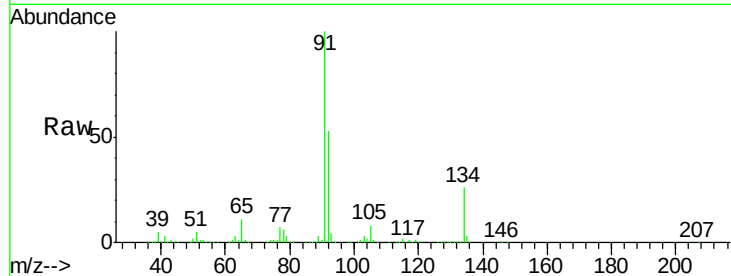
134 26.4 0.0 55.8

Manual Integrations

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MMDadoda

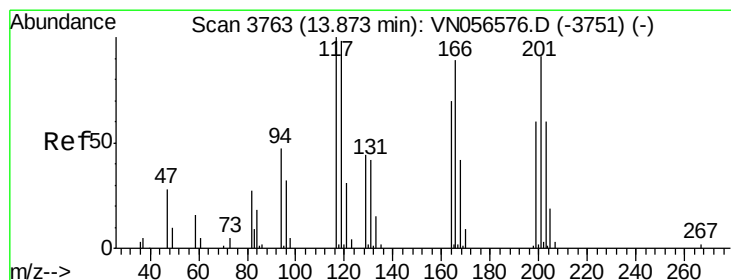
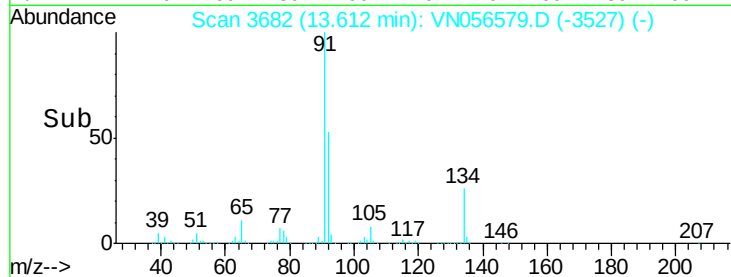
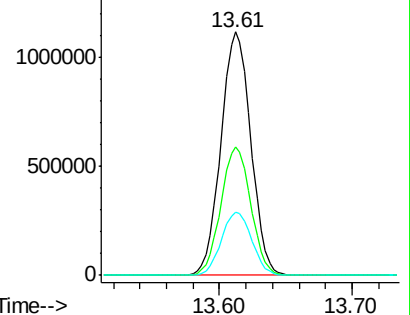
7/8/2019 10:05:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056579.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN056579.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN056579.D (-3527) (-)



#86

Hexachloroethane

Concen: 176.193 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056579.D

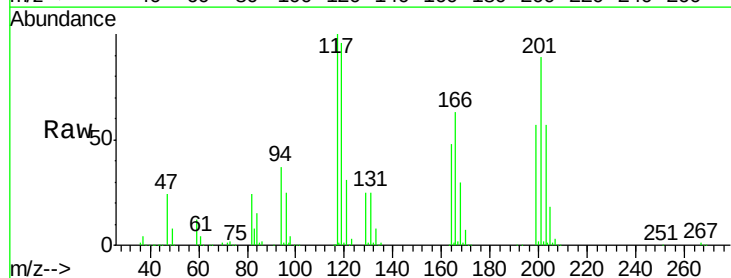
Acq: 3 Jul 2019 10:42

Tgt Ion: 117 Resp: 321583

Ion Ratio Lower Upper

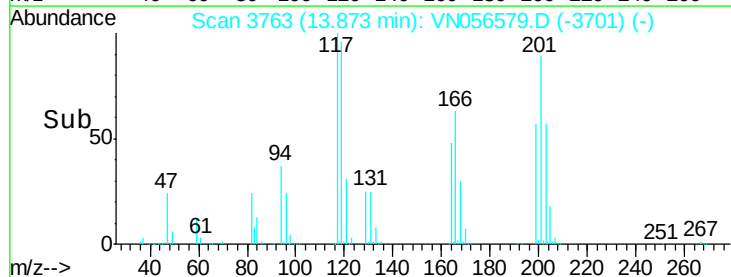
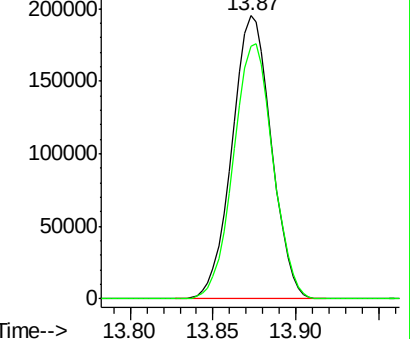
117 100

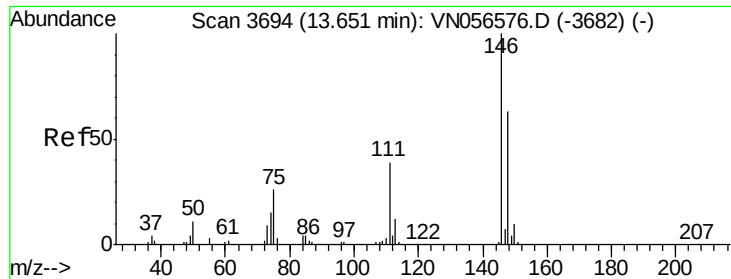
201 90.6 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056579.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN056579.D (-3701) (-)





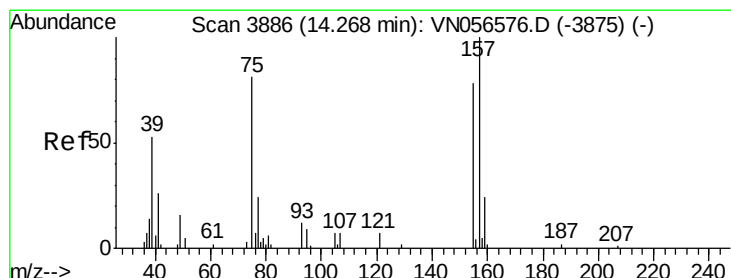
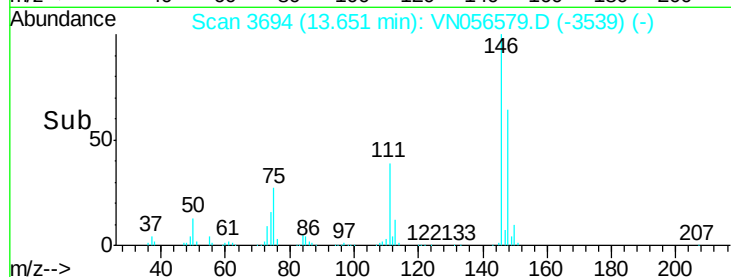
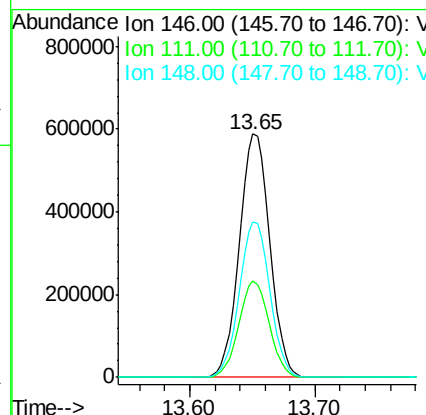
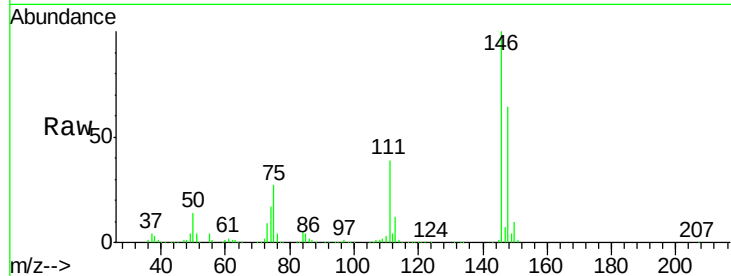
#87
 1,2-Dichlorobenzene
 Concen: 158.746 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	64.2	32.6	97.8

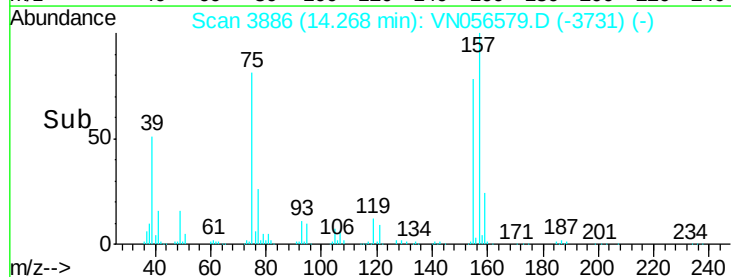
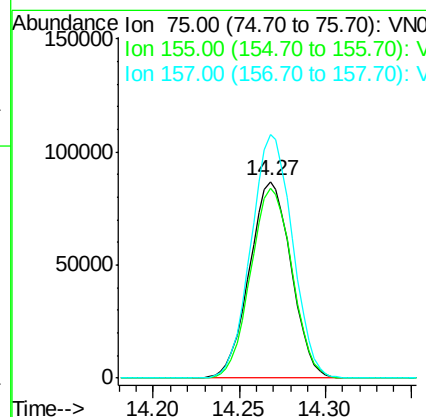
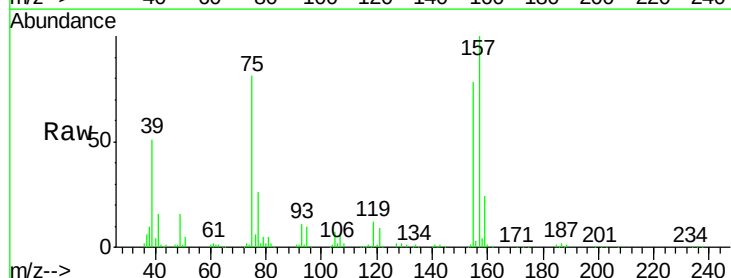
Manual Integrations
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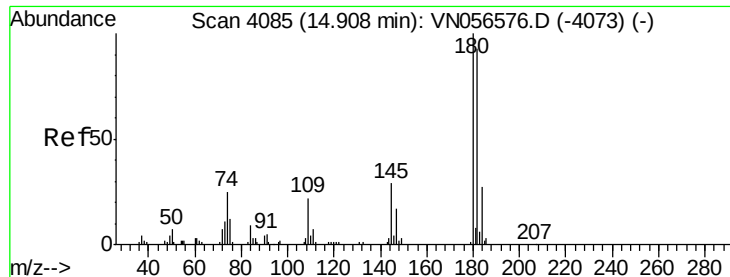
MMDadoda
 7/8/2019 10:05:00 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 175.295 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	82.5	123.7
157	123.3	105.1	157.7





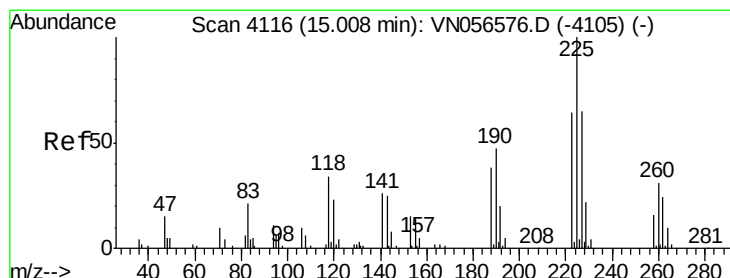
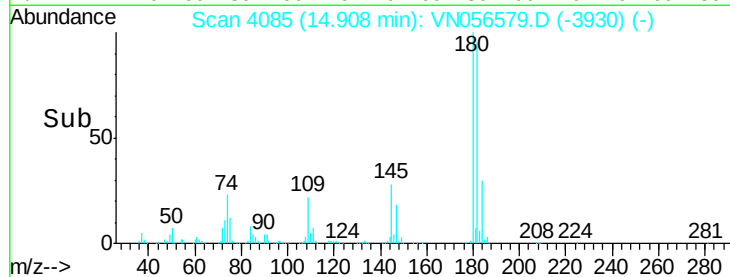
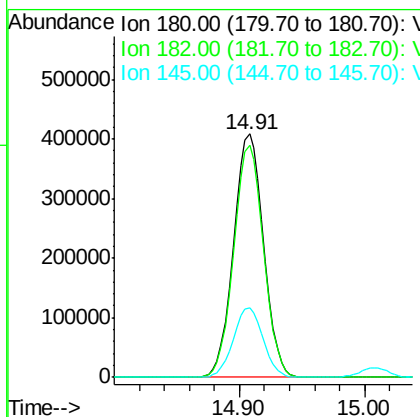
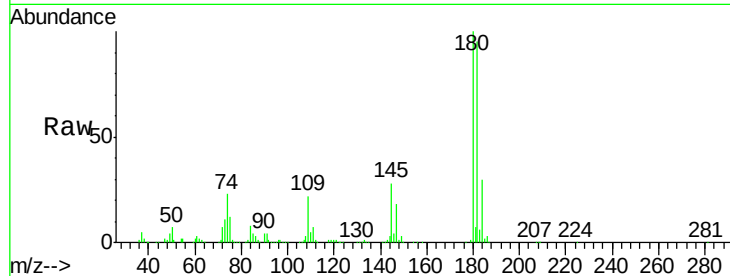
#89
 1,2,4-Trichlorobenzene
 Concen: 208.397 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	675024		
182	94.9	75.0	112.6	
145	28.4	22.1	33.1	

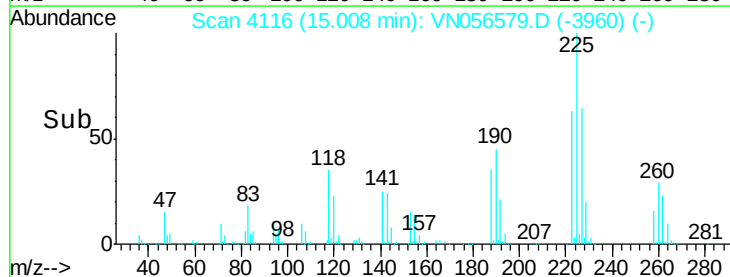
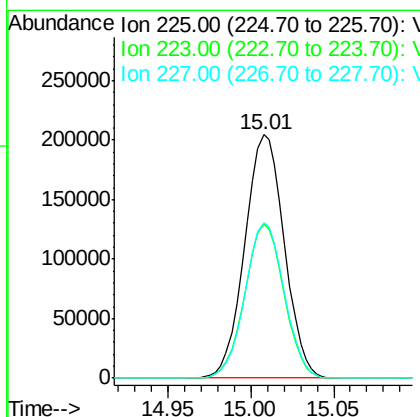
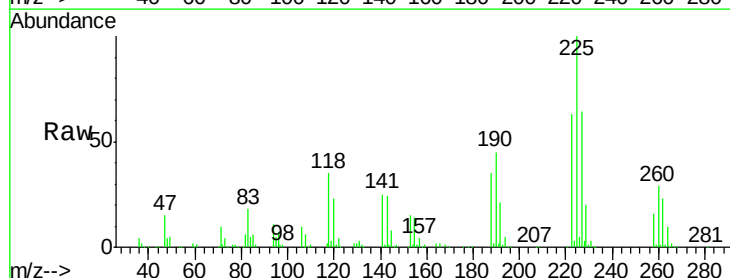
Manual Integrations
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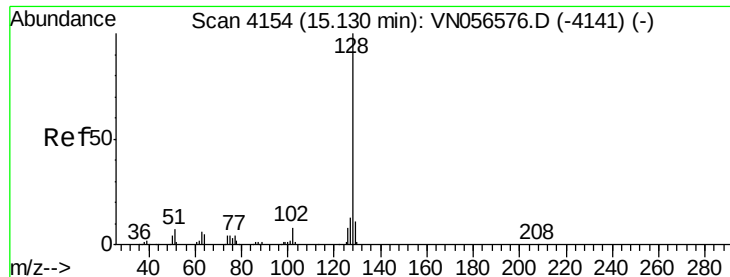
MMDadoda
 7/8/2019 10:05:00 AM



#90
 Hexachlorobutadiene
 Concen: 157.698 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056579.D
 Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	338593		
223	62.6	0.0	125.6	
227	63.2	0.0	128.6	





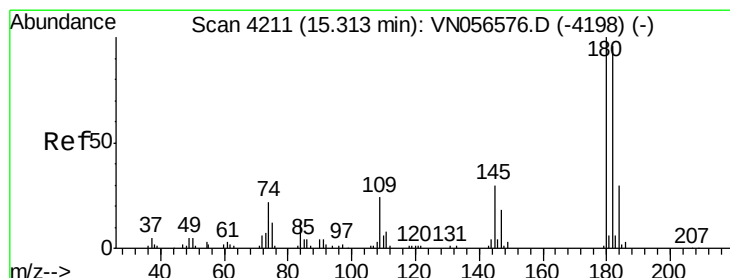
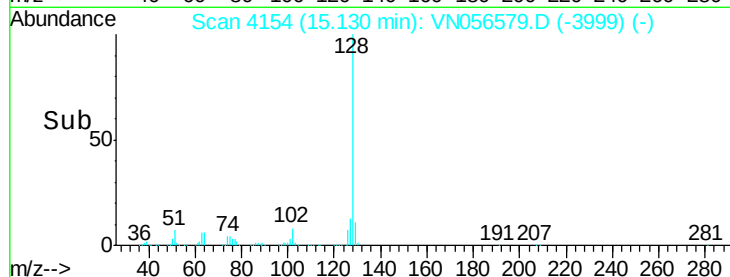
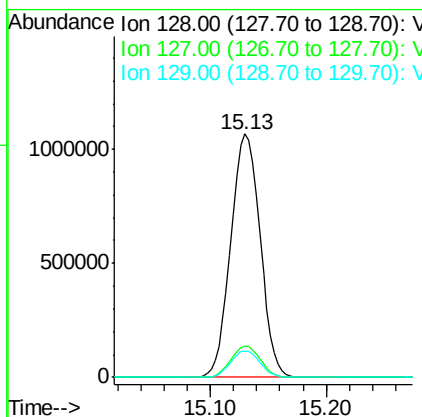
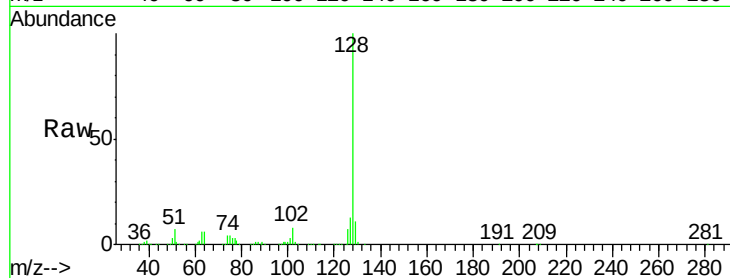
#91
Naphthalene
Concen: 204.329 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
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MMDadoda
7/8/2019 10:05:00 AM



#92
1,2,3-Trichlorobenzene
Concen: 192.035 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056579.D
Acq: 3 Jul 2019 10:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.4
145	30.7	0.0	59.8

