

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058536.D
 Acq On : 4 Oct 2019 13:37
 Operator : JC/SP
 Sample : VN1004WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:08:40 PM

Quant Time: Oct 05 01:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	656781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	283825	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.57	113	199199	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.08	98	777623	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.41	95	288361	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84203	19.671	ug/l	98
3) Chloromethane	2.04	50	108611	23.080	ug/l	98
4) Vinyl Chloride	2.17	62	96348	20.900	ug/l	98
5) Bromomethane	2.55	94	48973	20.000	ug/l	94
6) Chloroethane	2.68	64	62658	22.684	ug/l	97
7) Trichlorofluoromethane	3.00	101	111187	19.986	ug/l	98
8) Diethyl Ether	3.39	74	49060	20.439	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	74849	19.811	ug/l	97
10) Methyl Iodide	3.93	142	62571	14.936	ug/l	97
11) Tert butyl alcohol	4.76	59	78818	124.366	ug/l	98
12) 1,1-Dichloroethene	3.72	96	71626	19.450	ug/l	98
13) Acrolein	3.59	56	23410	116.137	ug/l	99
14) Allyl chloride	4.30	41	140947	21.031	ug/l	97
15) Acrylonitrile	4.96	53	211584	114.553	ug/l	98
16) Acetone	3.79	43	193605	99.555	ug/l	98
17) Carbon Disulfide	4.03	76	187480	19.313	ug/l	98
18) Methyl Acetate	4.30	43	106625	21.799	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	276825	21.304	ug/l	99
20) Methylene Chloride	4.53	84	92484	20.608	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	81391	19.875	ug/l	96
22) Diisopropyl ether	5.93	45	302855	21.000	ug/l	94
23) Vinyl Acetate	5.87	43	1239778	114.010	ug/l	99
24) 1,1-Dichloroethane	5.82	63	173123	21.330	ug/l	99
25) 2-Butanone	6.81	43	284740	106.643	ug/l	99
26) 2,2-Dichloropropane	6.80	77	143211	21.462	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98933	20.670	ug/l	99
28) Bromochloromethane	7.18	49	69487	21.417	ug/l	98
29) Tetrahydrofuran	7.19	42	187583	110.692	ug/l	99
30) Chloroform	7.36	83	174165	21.176	ug/l	99
31) Cyclohexane	7.64	56	151262	19.159	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	145732	21.577	ug/l	98
36) 1,1-Dichloropropene	7.78	75	124490	19.823	ug/l	100
37) Ethyl Acetate	6.91	43	123451	23.186	ug/l	99
38) Carbon Tetrachloride	7.76	117	119060	21.003	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137292	18.720	ug/l	98
40) Benzene	8.03	78	372364	20.627	ug/l	98
41) Methacrylonitrile	7.15	41	52896	21.594	ug/l	98
42) 1,2-Dichloroethane	8.11	62	143423	20.421	ug/l	99
43) Isopropyl Acetate	8.15	43	205924	20.567	ug/l #	90
44) Trichloroethene	8.82	130	91383	20.501	ug/l	94
45) 1,2-Dichloropropane	9.11	63	103893	21.459	ug/l	98
46) Dibromomethane	9.20	93	64947	21.183	ug/l	96
47) Bromodichloromethane	9.39	83	128276	22.082	ug/l	97
48) Methyl methacrylate	9.19	41	97324	21.347	ug/l	99
49) 1,4-Dioxane	9.19	88	32947	540.454	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	613627	119.312	ug/l	99
52) Toluene	10.15	92	226739	19.955	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	139995	22.141	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	152291	21.698	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93292	22.549	ug/l	97
56) Ethyl methacrylate	10.43	69	136188	21.693	ug/l	99
57) 1,3-Dichloropropane	10.71	76	160009	21.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	332508	132.828	ug/l	100
59) 2-Hexanone	10.75	43	437572	116.844	ug/l	99
60) Dibromochloromethane	10.90	129	87699	20.140	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90055	21.303	ug/l	99
64) Tetrachloroethene	10.63	164	82549	21.808	ug/l	96
65) Chlorobenzene	11.43	112	243648	20.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87663	21.970	ug/l	99
67) Ethyl Benzene	11.51	91	449624	20.961	ug/l	99
68) m/p-Xylenes	11.62	106	324020	40.148	ug/l	97
69) o-Xylene	11.95	106	156801	20.182	ug/l	95
70) Styrene	11.97	104	260462	20.636	ug/l	99
71) Bromoform	12.13	173	52565	19.493	ug/l #	100
73) Isopropylbenzene	12.25	105	430083	20.585	ug/l	100
74) N-amyl acetate	12.07	43	180059	21.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132184	21.395	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	120911m	23.415	ug/l	
77) Bromobenzene	12.53	156	101190	20.655	ug/l	97
78) n-propylbenzene	12.60	91	504520	21.434	ug/l	100
79) 2-Chlorotoluene	12.68	91	298317	20.533	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	361095	20.646	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34292	20.169	ug/l	95
82) 4-Chlorotoluene	12.78	91	302746	20.421	ug/l	100
83) tert-Butylbenzene	13.00	119	295062	19.993	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	357821	20.420	ug/l	99
85) sec-Butylbenzene	13.18	105	402251	20.708	ug/l	99
86) p-Isopropyltoluene	13.30	119	357372	20.901	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	180555	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	177990	20.139	ug/l	98
89) n-Butylbenzene	13.62	91	328354	21.200	ug/l	100
90) Hexachloroethane	13.88	117	55042	21.425	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	178676	20.934	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24704	22.675	ug/l	95

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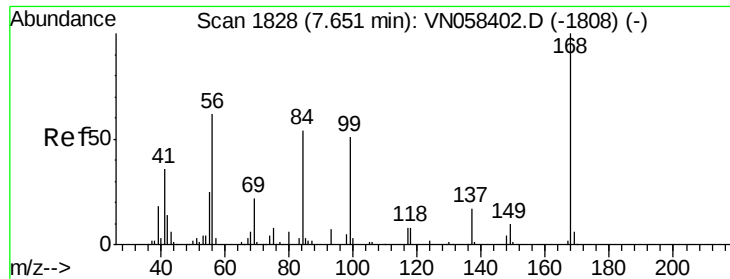
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	100891	21.391	ug/l	99
94) Hexachlorobutadiene	15.02	225	51406	21.205	ug/l	99
95) Naphthalene	15.13	128	283563	20.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	97090	20.517	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion:168 Resp: 390381

Ion Ratio Lower Upper

168 100

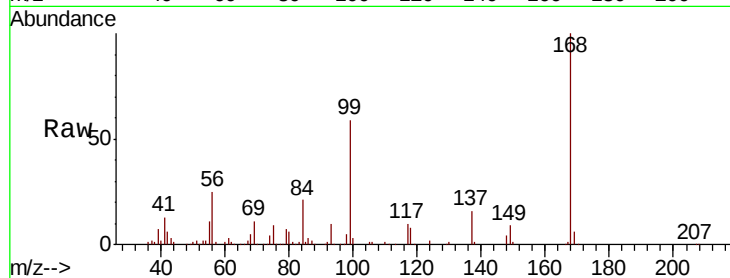
99 58.7 47.7 71.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

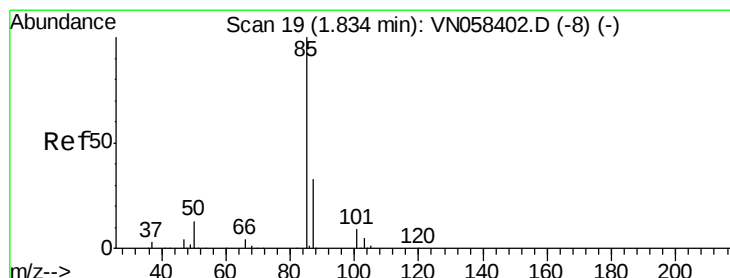
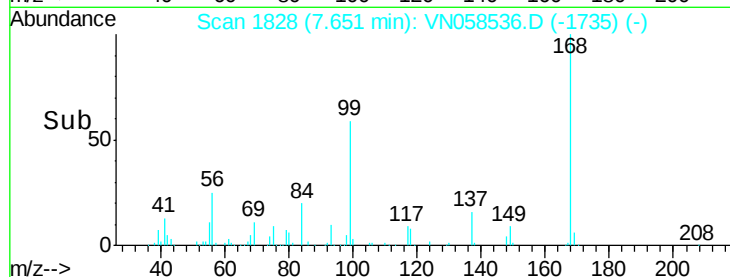
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.671 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058536.D

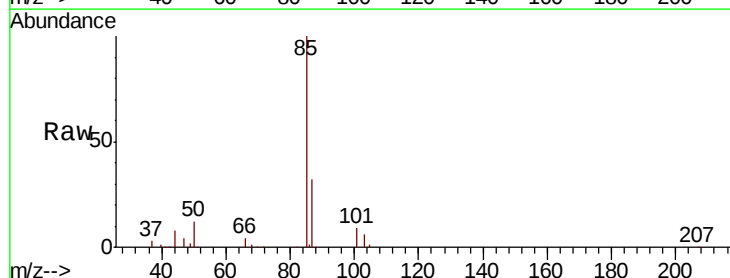
Acq: 4 Oct 2019 13:37

Tgt Ion: 85 Resp: 84203

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

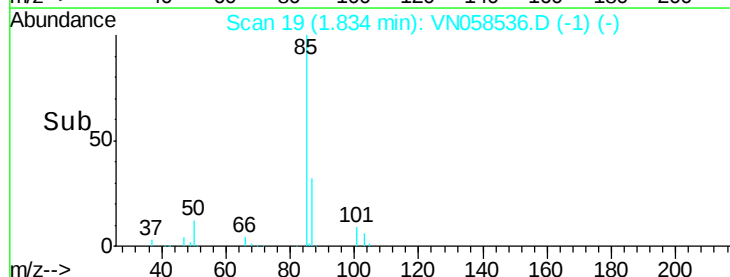
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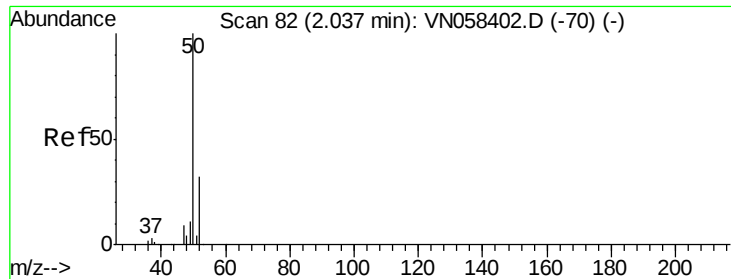
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 23.080 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 50 Resp: 108611

Ion Ratio Lower Upper

50 100

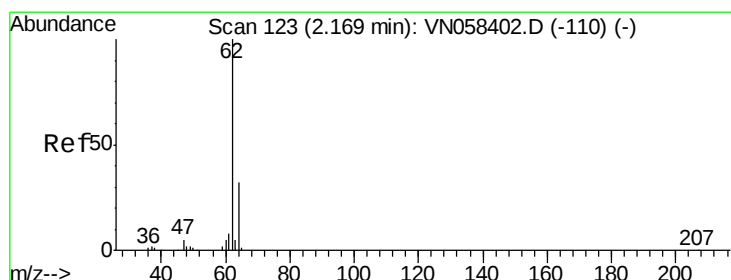
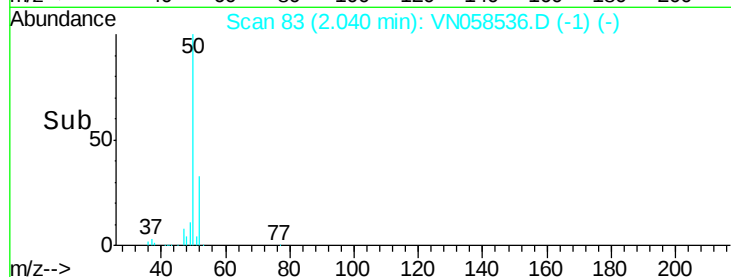
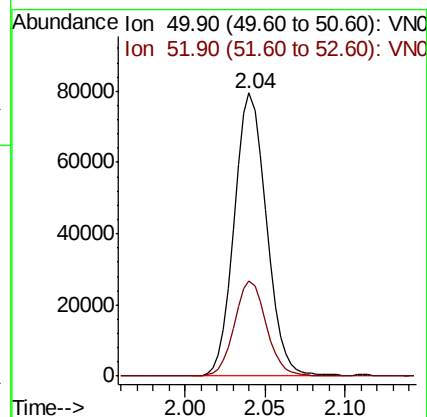
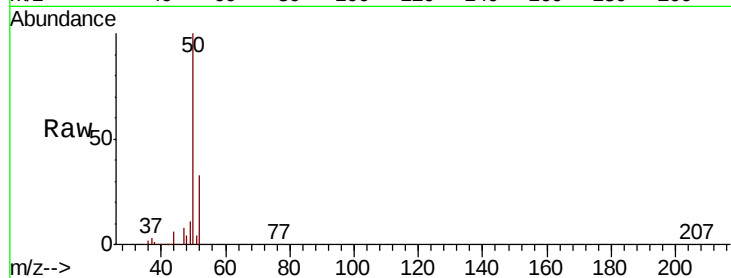
52 33.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.900 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058536.D

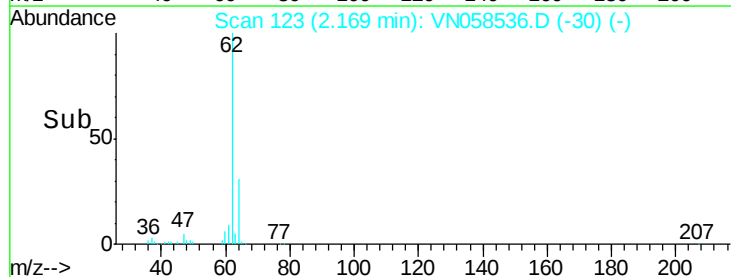
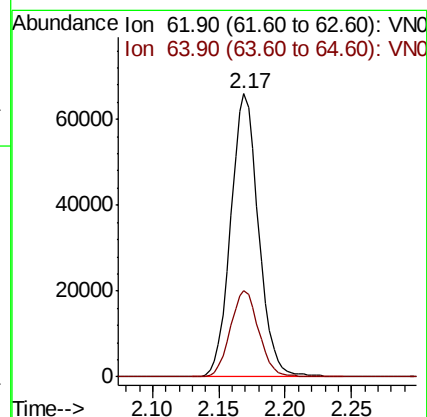
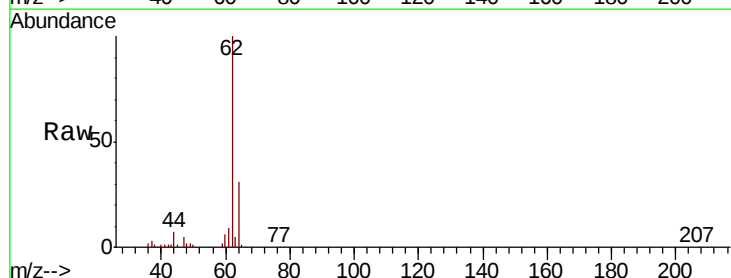
Acq: 4 Oct 2019 13:37

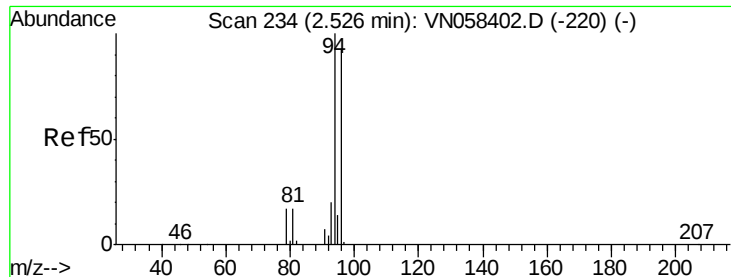
Tgt Ion: 62 Resp: 96348

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 20.000 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

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ClientSampleId :

VN1004WBS01

Tot Ion: 94 Resp: 48973

Ion Ratio Lower Upper

94 100

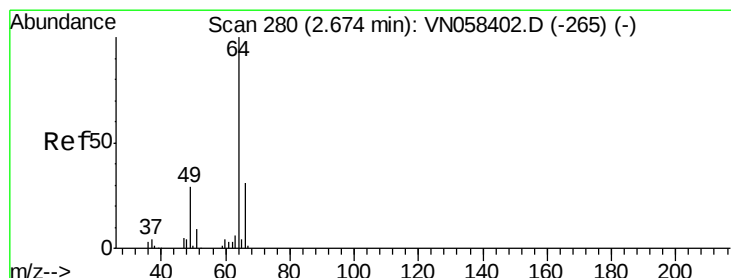
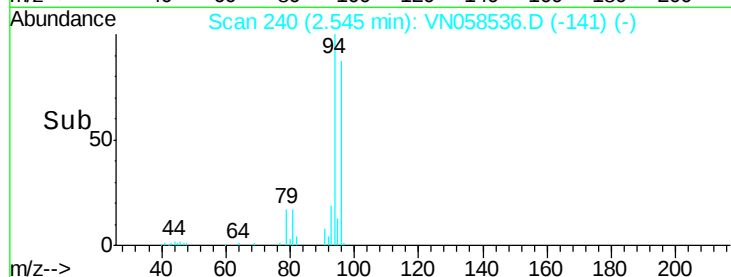
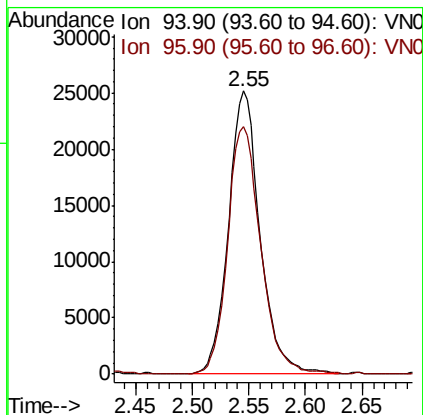
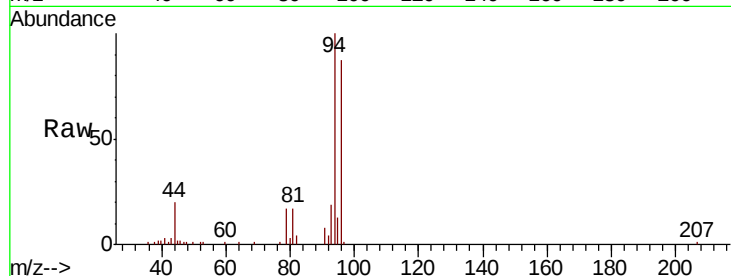
96 87.3 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 22.684 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058536.D

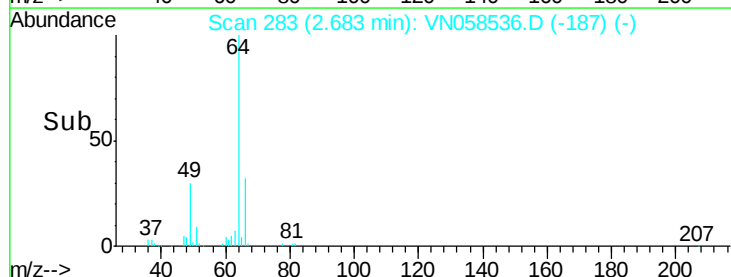
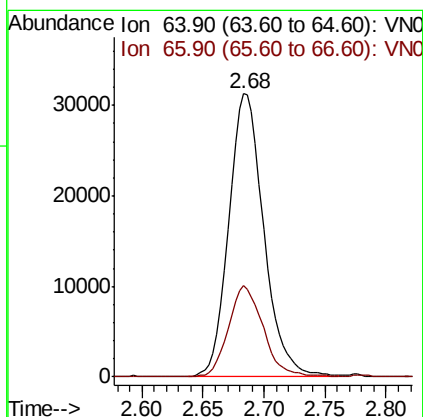
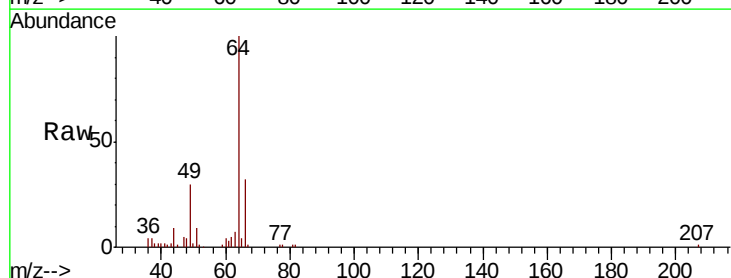
Acq: 4 Oct 2019 13:37

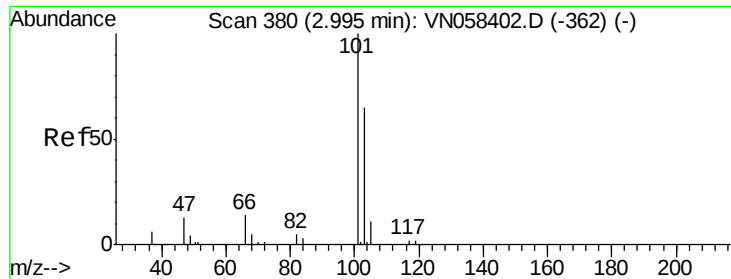
Tgt Ion: 64 Resp: 62658

Ion Ratio Lower Upper

64 100

66 32.1 24.4 36.6





#7

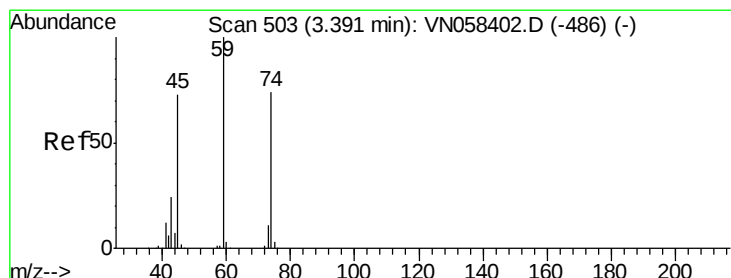
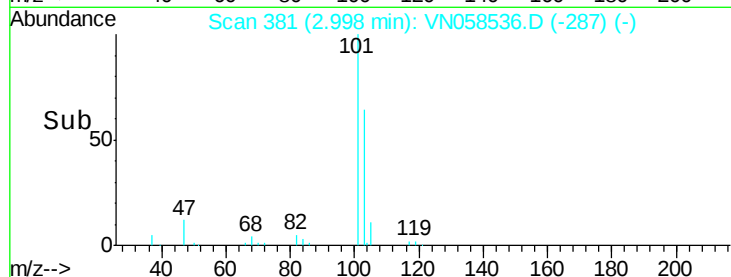
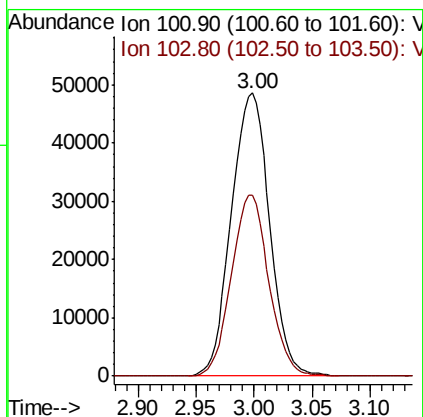
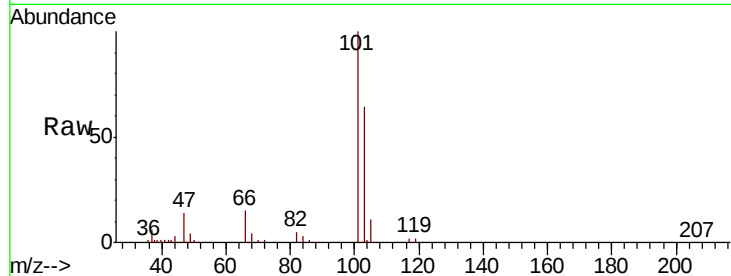
Trichlorofluoromethane
 Concen: 19.986 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

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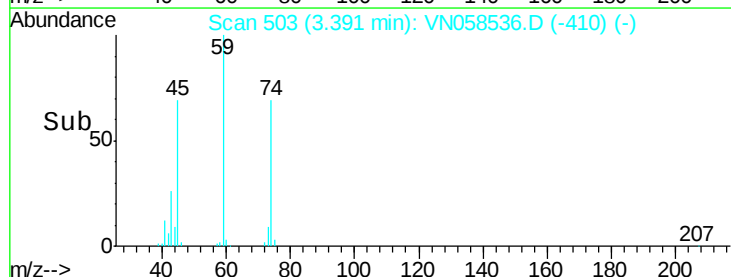
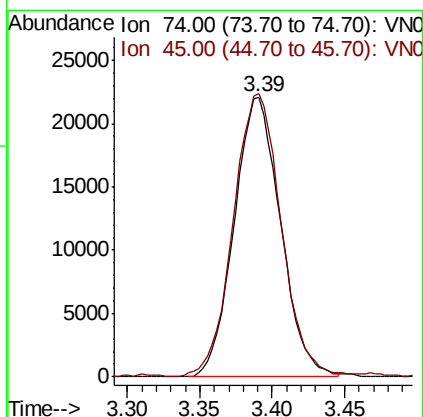
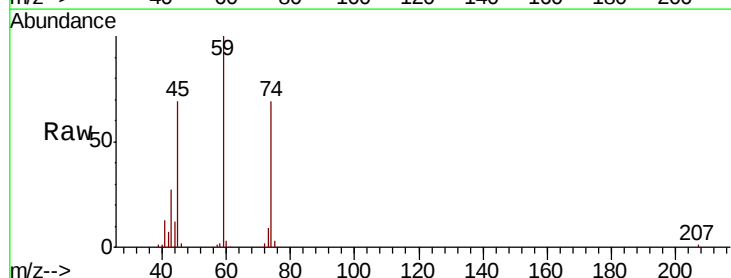
MMDadoda
 10/7/2019 12:08:40 PM

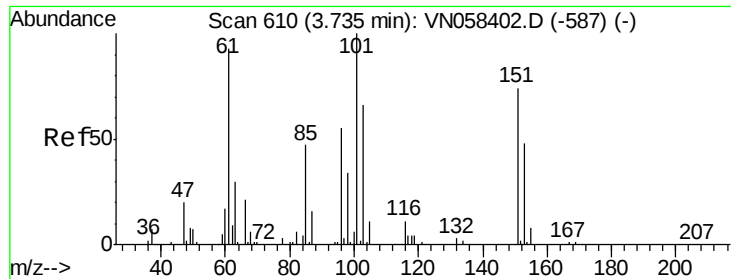


#8

Diethyl Ether
 Concen: 20.439 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.811 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058536.D

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MSVOA_N

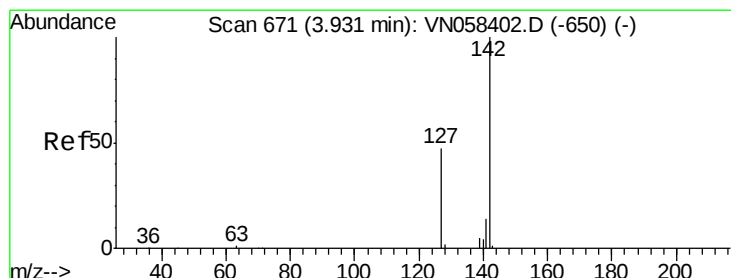
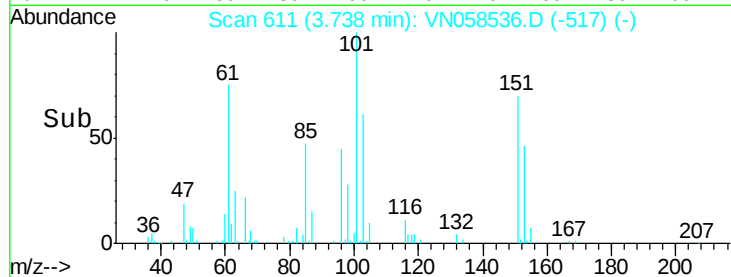
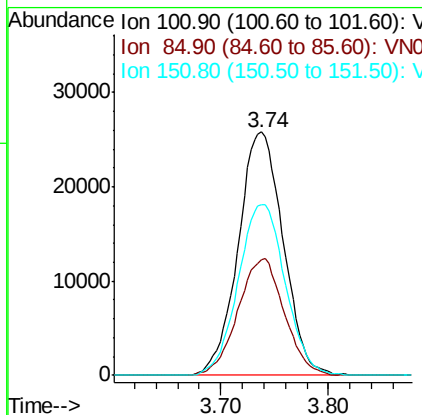
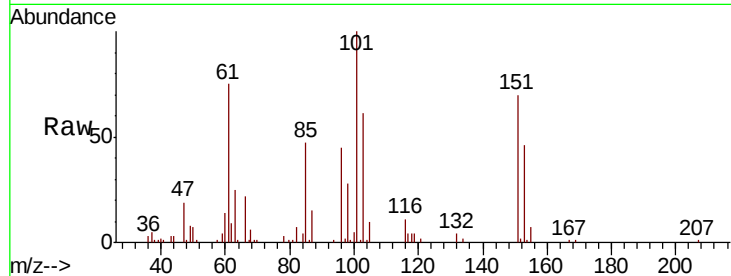
ClientSampleId :

VN1004WBS01

Tot Ion:	101	Resp:	74849
Ion Ratio	Lower	Upper	
101	100		
85	49.2	36.7	55.1
151	73.4	59.4	89.0

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#10

Methyl Iodide

Concen: 14.936 ug/l

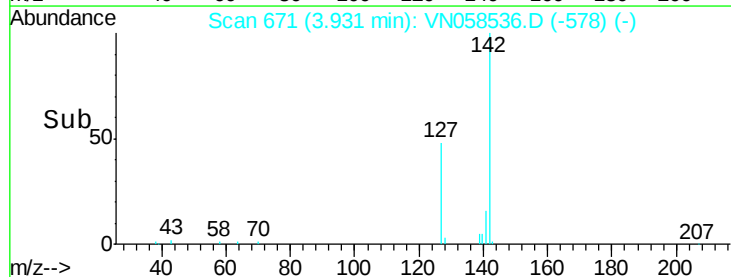
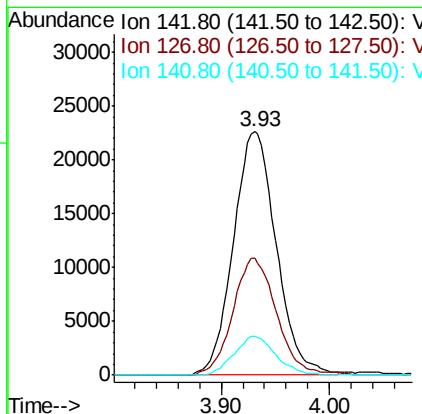
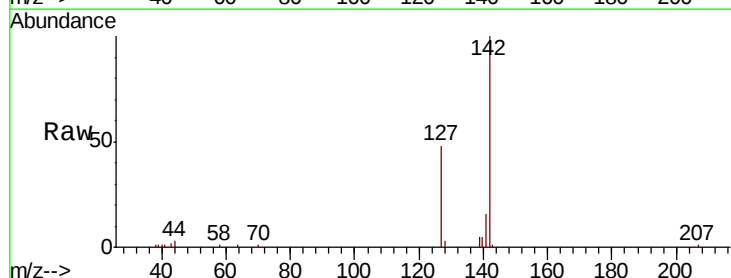
RT: 3.93 min Scan# 671

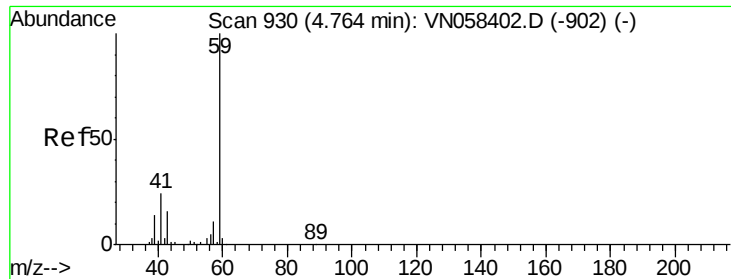
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	142	Resp:	62571
Ion Ratio	Lower	Upper	
142	100		
127	48.8	37.2	55.8
141	15.4	11.3	16.9





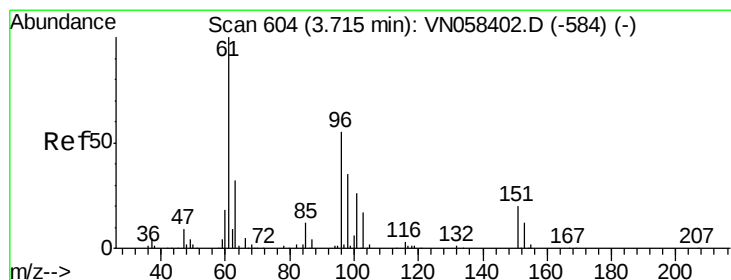
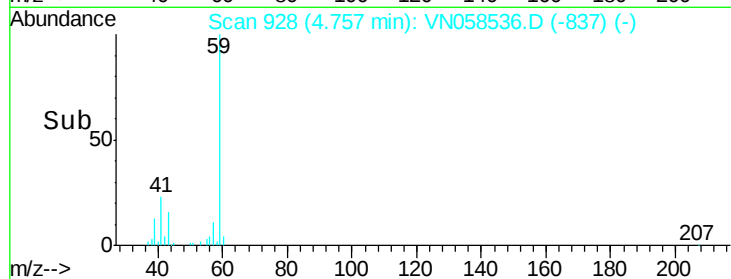
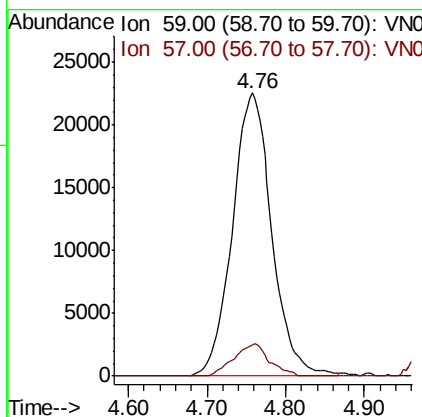
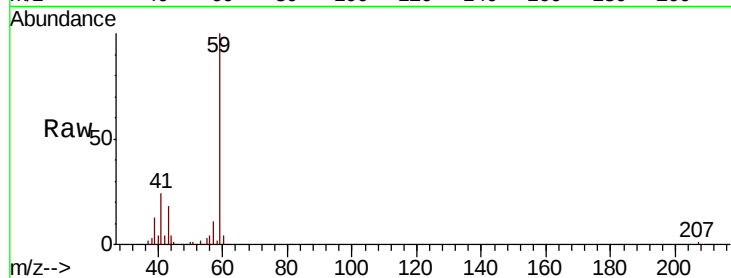
#11
Tert butyl alcohol
Concen: 124.366 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion: 59 Resp: 78818
Ion Ratio Lower Upper
59 100
57 10.3 9.0 13.4

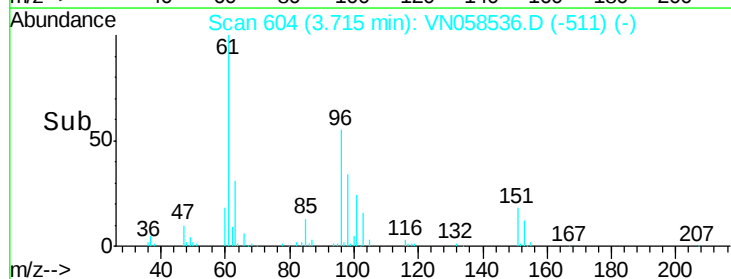
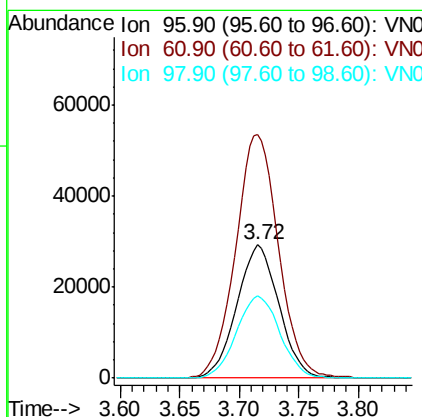
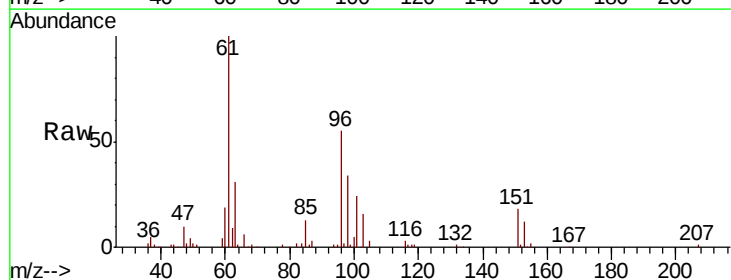
Manual Integrations
APPROVED

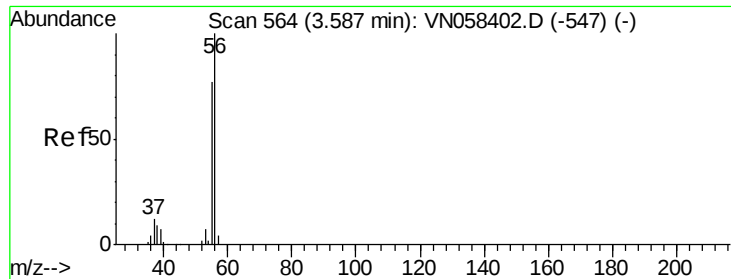
MMDadoda
10/7/2019 12:08:40 PM



#12
1,1-Dichloroethene
Concen: 19.450 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 96 Resp: 71626
Ion Ratio Lower Upper
96 100
61 181.9 146.7 220.1
98 61.3 51.3 76.9





#13

Acrolein

Concen: 116.137 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 56 Resp: 23410

Ion Ratio Lower Upper

56 100

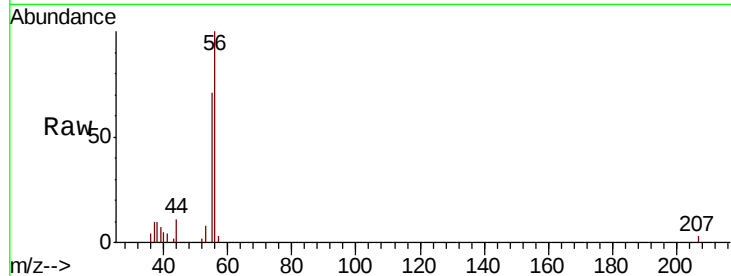
55 73.6 58.3 87.5

Manual Integrations

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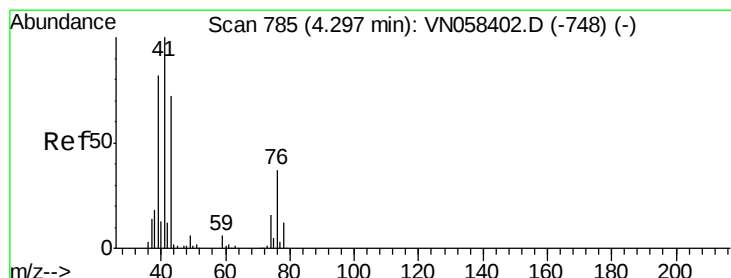
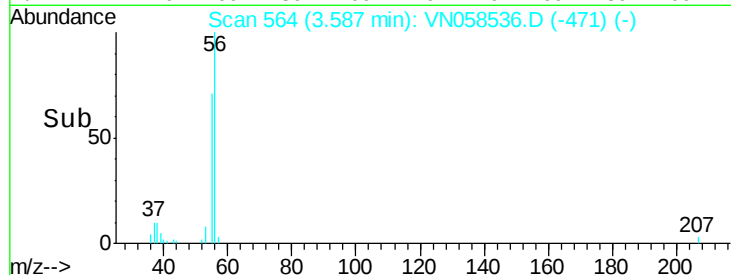
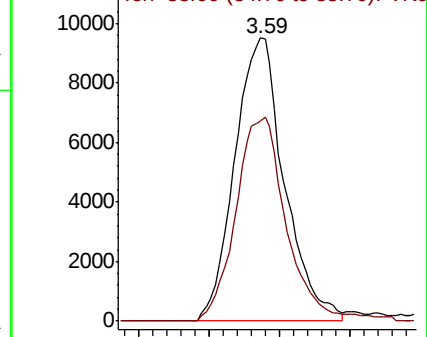
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.031 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

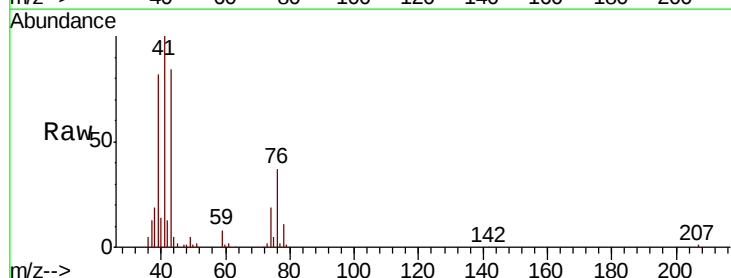
Tgt Ion: 41 Resp: 140947

Ion Ratio Lower Upper

41 100

39 75.6 62.3 93.5

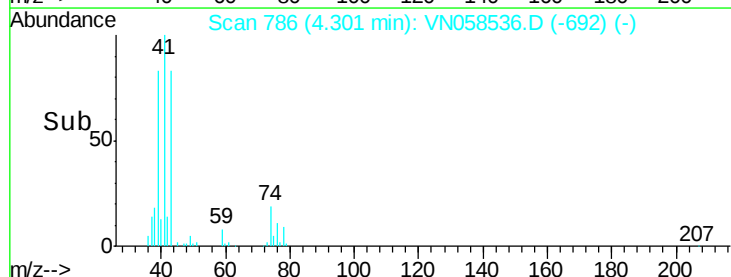
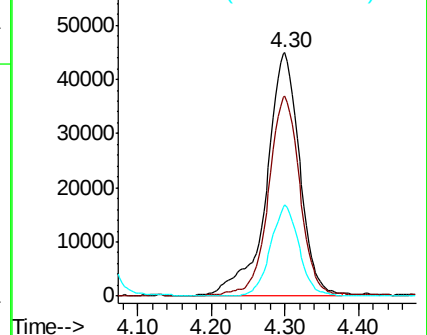
76 32.0 26.9 40.3

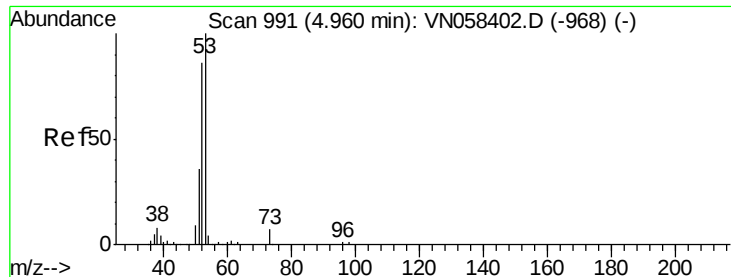


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 114.553 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

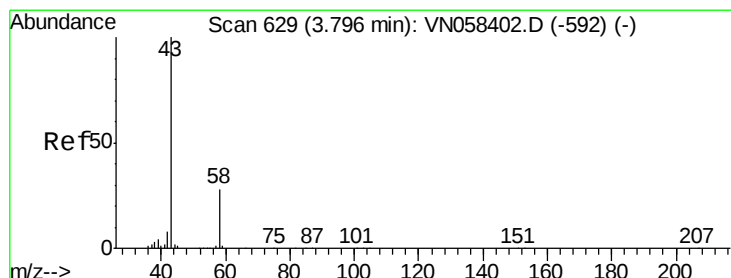
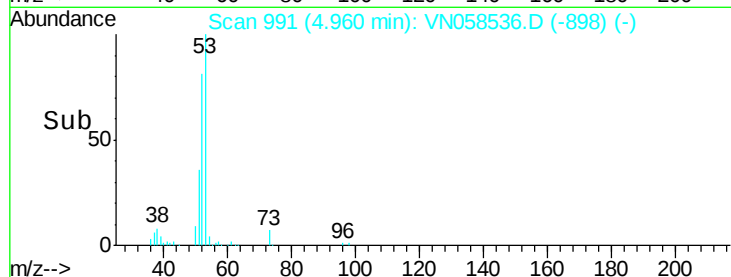
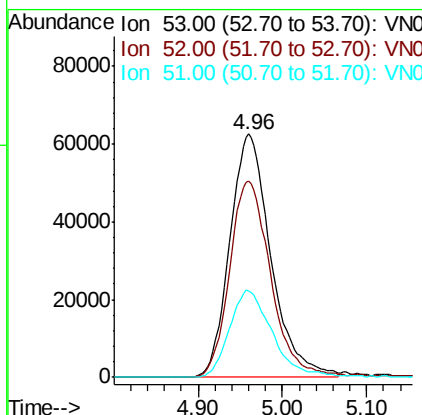
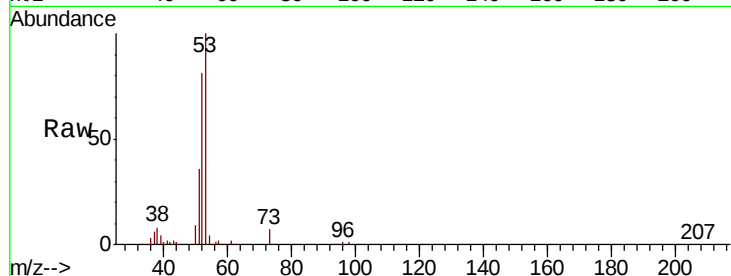
ClientSampleId :

VN1004WBS01

Tot Ion:	53	Resp:	211584
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 99.555 ug/l

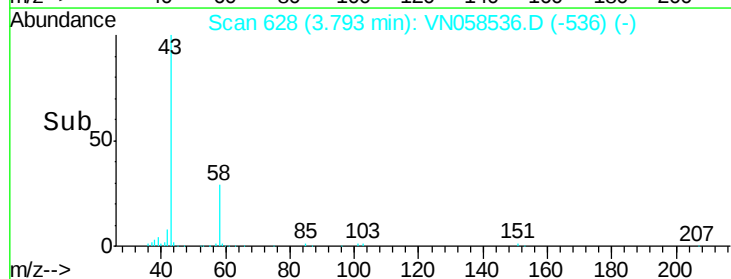
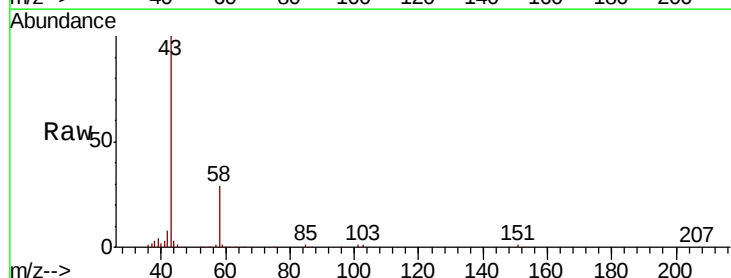
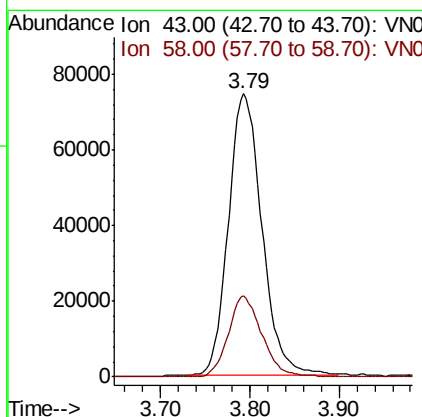
RT: 3.79 min Scan# 628

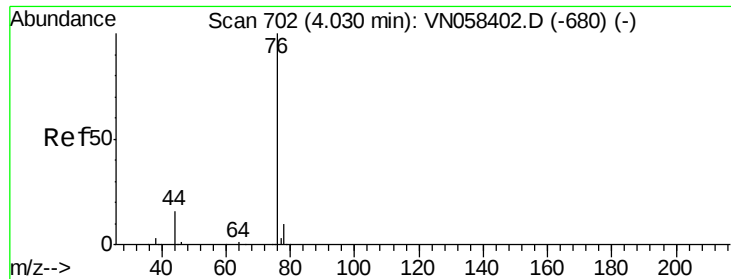
Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	43	Resp:	193605
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.4	33.6





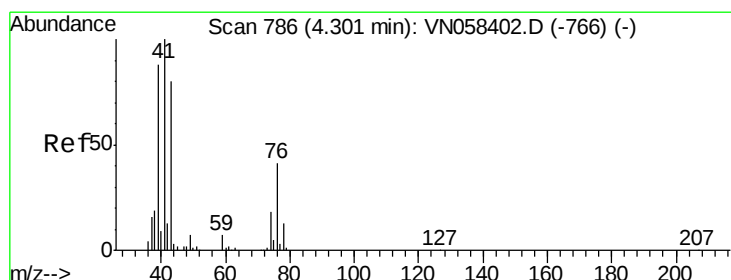
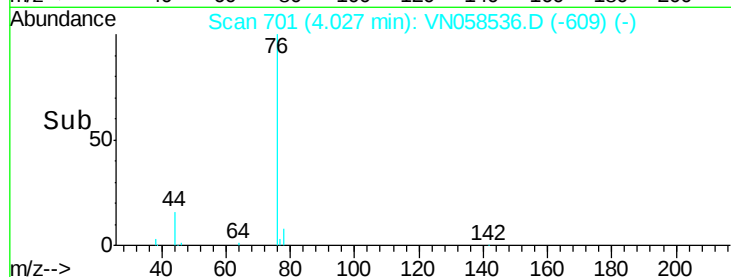
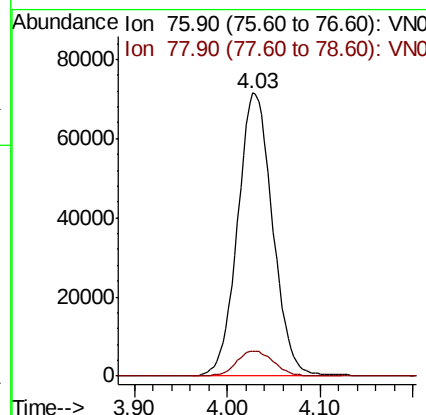
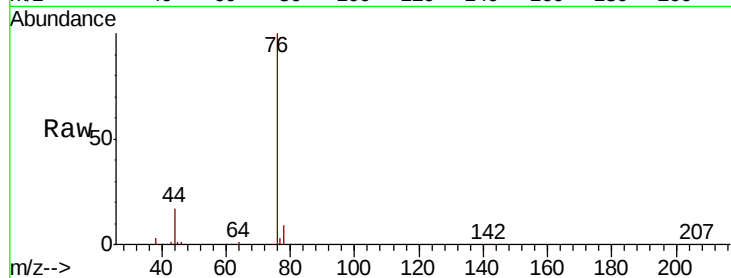
#17
Carbon Disulfide
Concen: 19.313 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

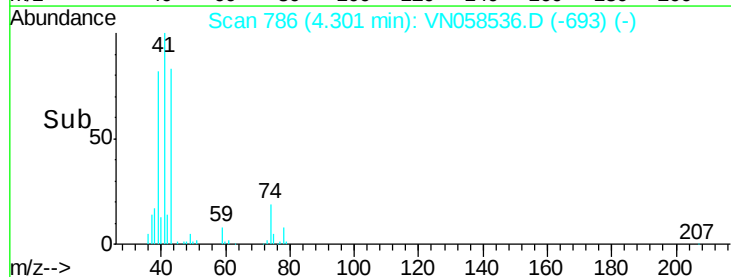
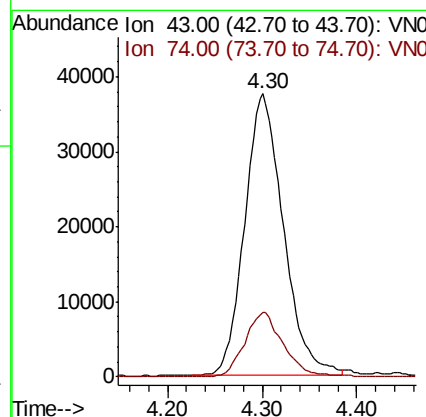
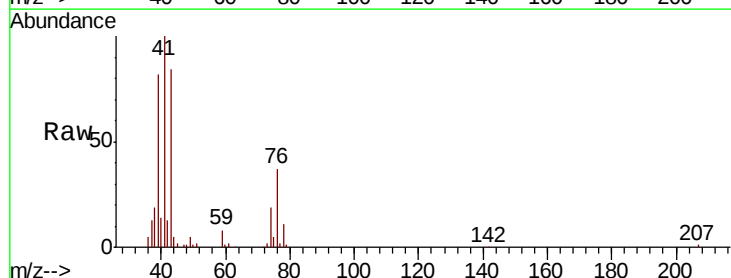
Manual Integrations
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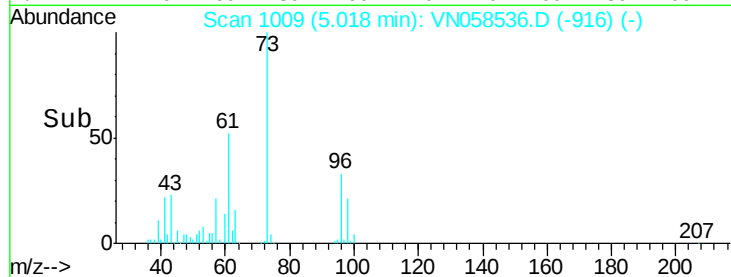
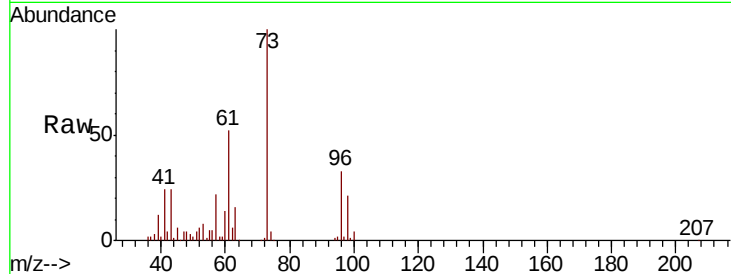
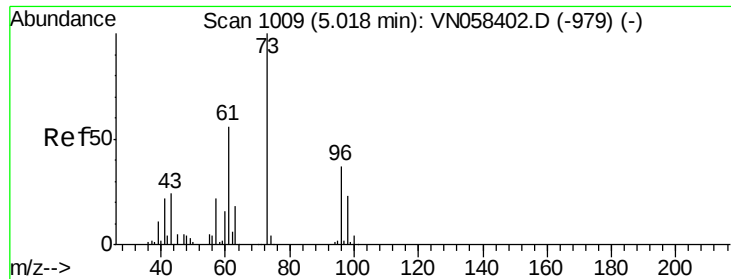
MMDadoda
10/7/2019 12:08:40 PM



#18
Methyl Acetate
Concen: 21.799 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.0	27.0





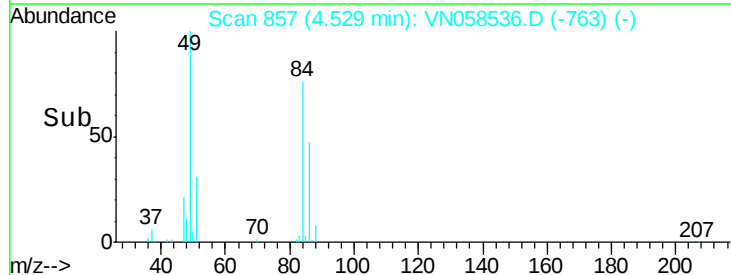
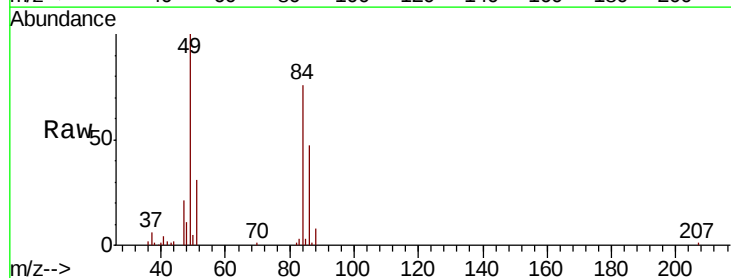
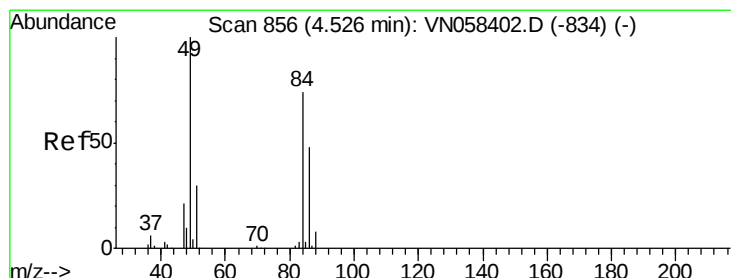
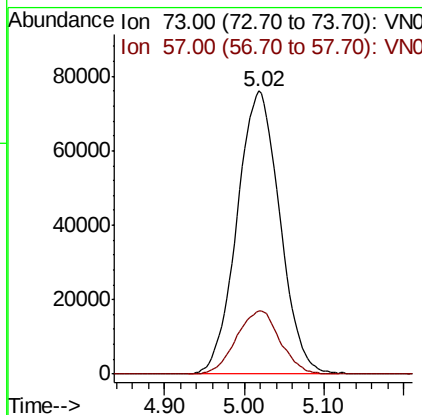
#19
Methyl tert-butyl Ether
Concen: 21.304 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tot Ion: 73 Resp: 276825
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

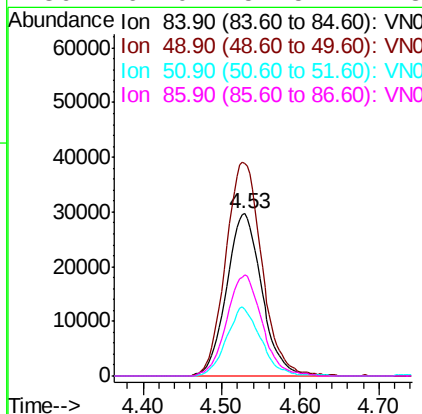
Manual Integrations
APPROVED

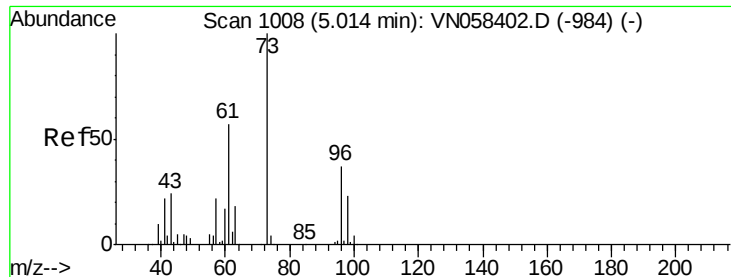
MMDadoda
10/7/2019 12:08:40 PM



#20
Methylene Chloride
Concen: 20.608 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 84 Resp: 92484
Ion Ratio Lower Upper
84 100
49 130.9 107.9 161.9
51 40.9 32.8 49.2
86 62.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.875 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

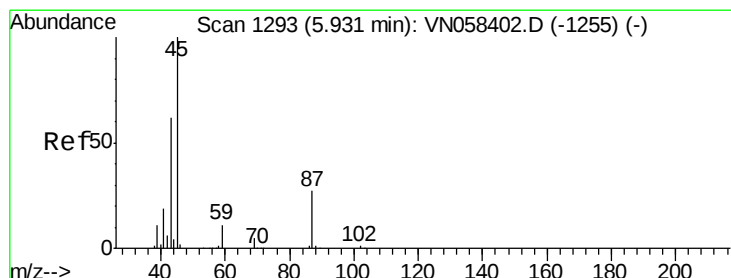
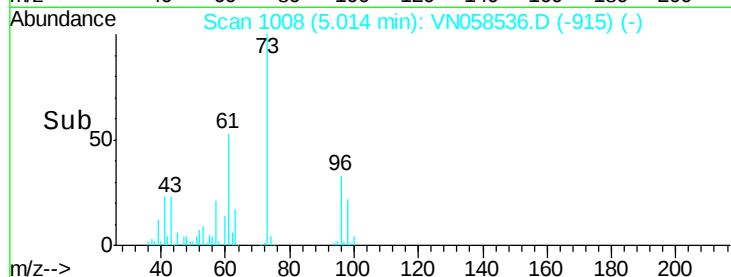
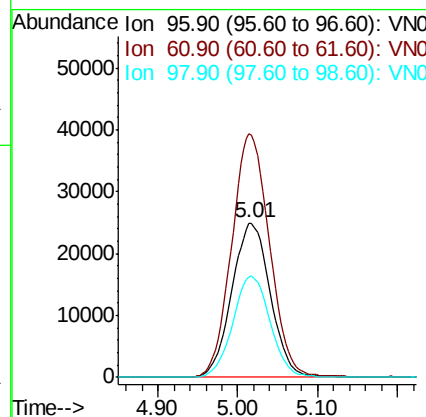
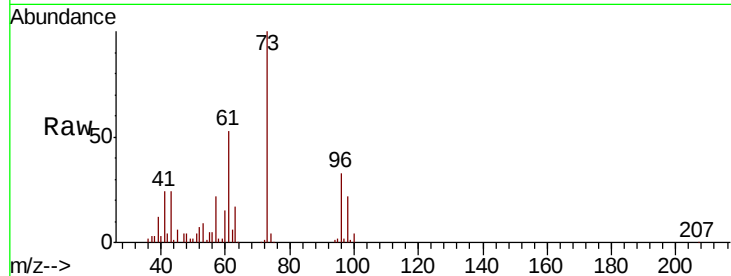
ClientSampled :

VN1004WBS01

Tot Ion:	96	Resp:	81391
Ion	Ratio	Lower	Upper
96	100		
61	157.8	121.9	182.9
98	65.1	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.000 ug/l

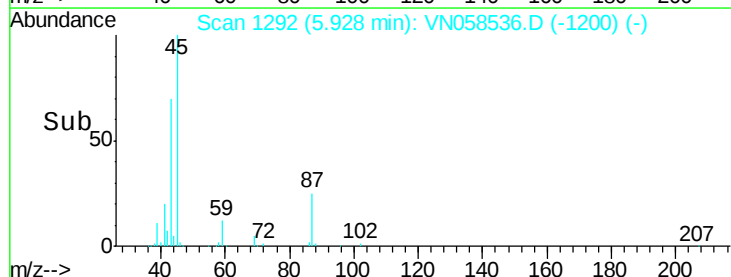
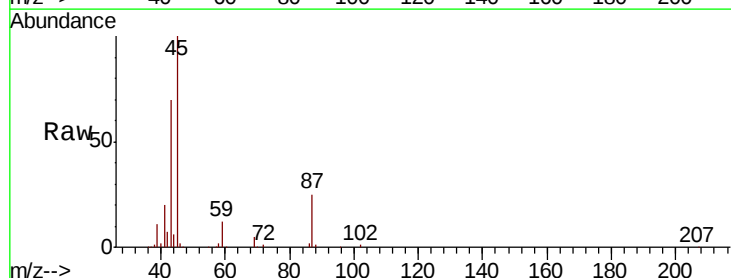
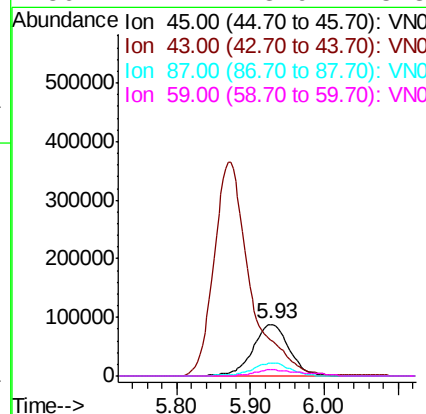
RT: 5.93 min Scan# 1292

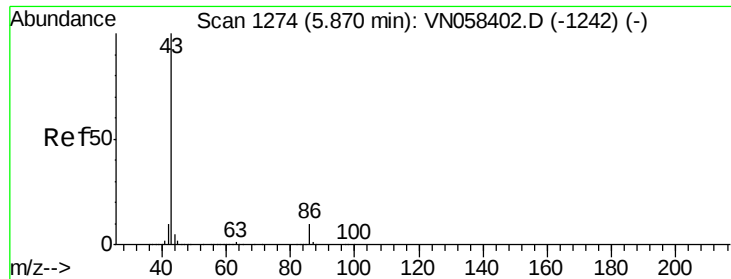
Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	45	Resp:	302855
Ion	Ratio	Lower	Upper
45	100		
43	67.8	49.7	74.5
87	24.5	21.5	32.3
59	12.1	8.9	13.3





#23

Vinyl Acetate

Concen: 114.010 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 43 Resp: 1239778

Ion Ratio Lower Upper

43 100

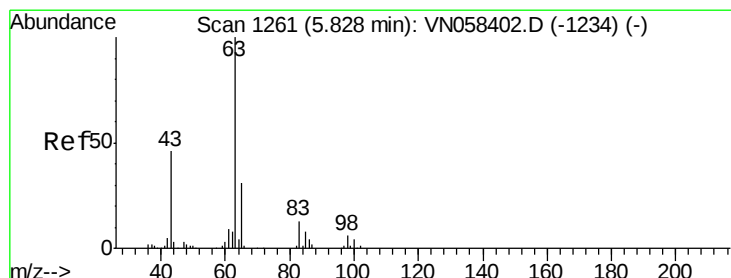
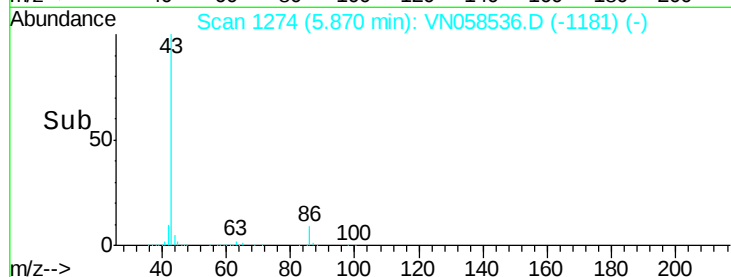
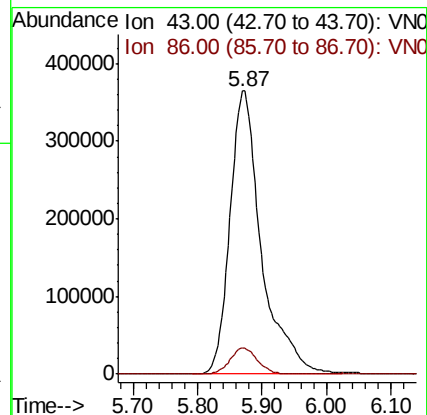
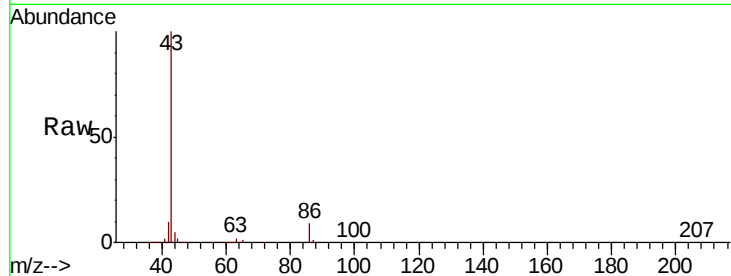
86 9.4 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.330 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

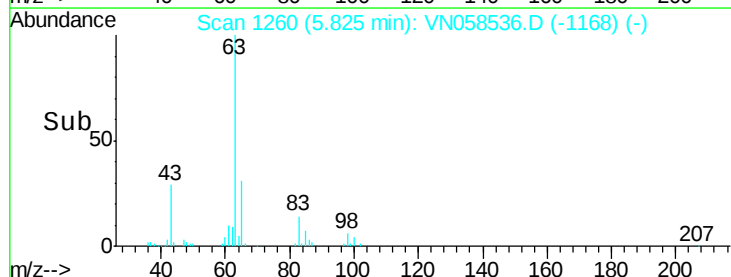
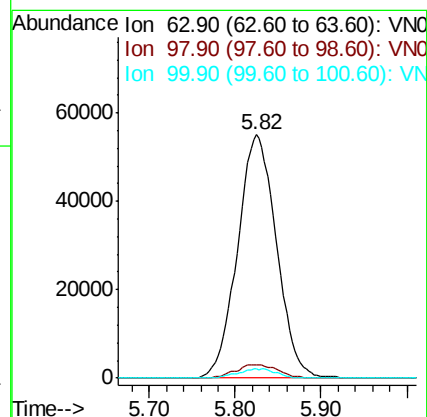
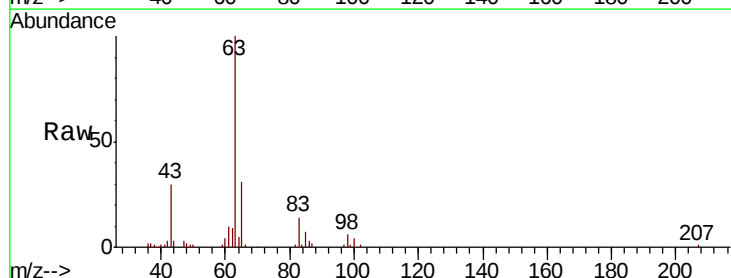
Tgt Ion: 63 Resp: 173123

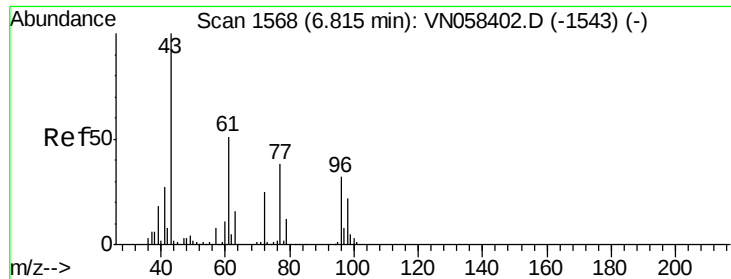
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 106.643 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion: 43 Resp: 284740

Ion Ratio Lower Upper

43 100

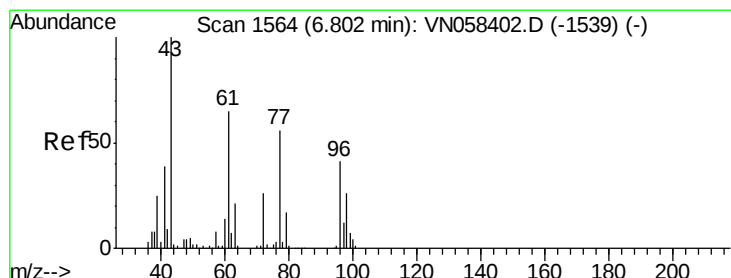
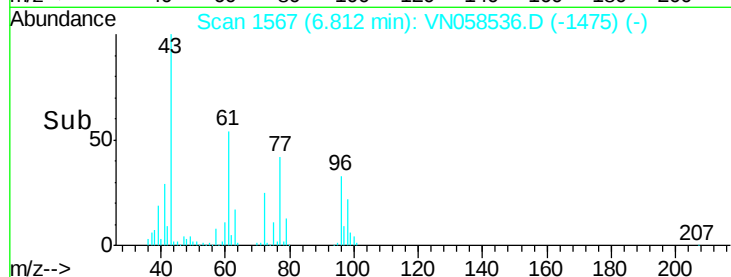
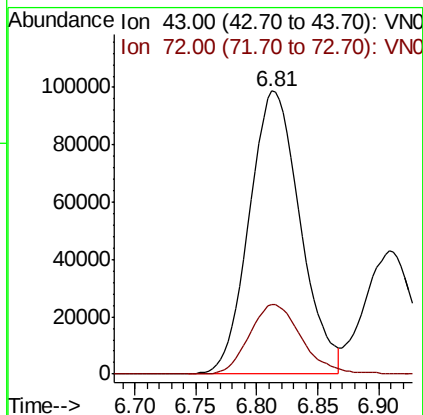
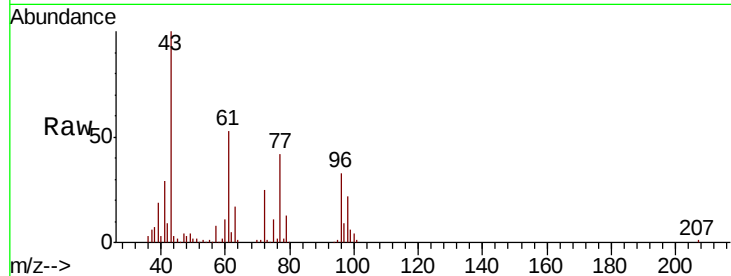
72 24.6 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.462 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058536.D

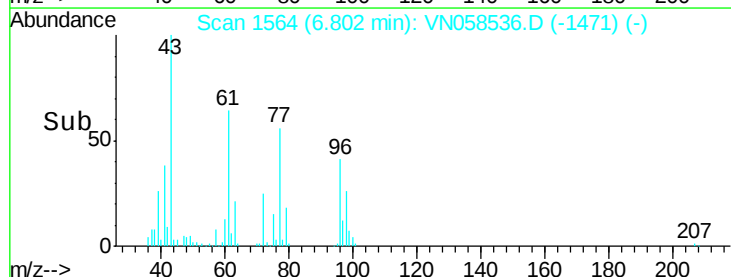
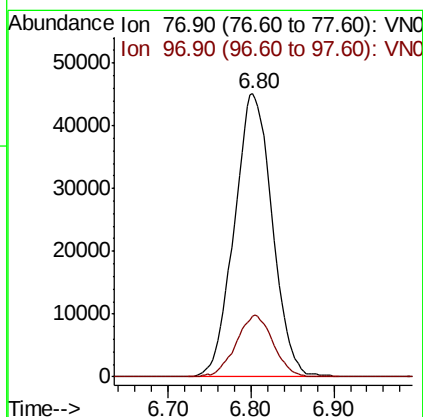
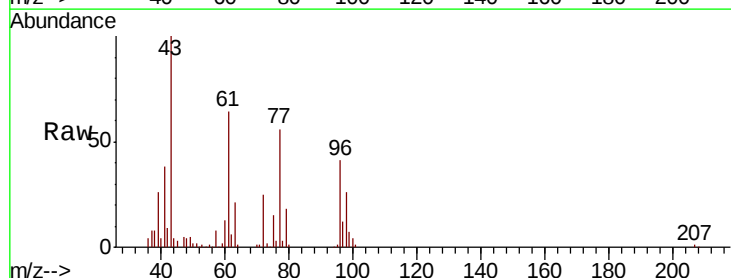
Acq: 4 Oct 2019 13:37

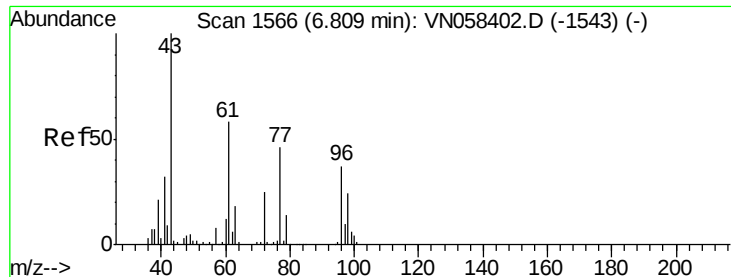
Tgt Ion: 77 Resp: 143211

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.670 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

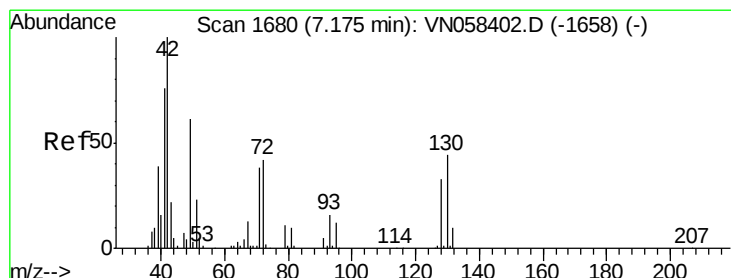
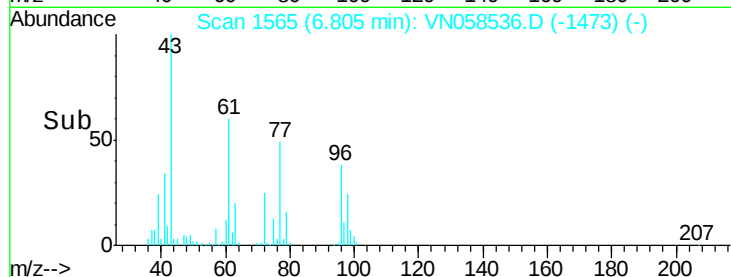
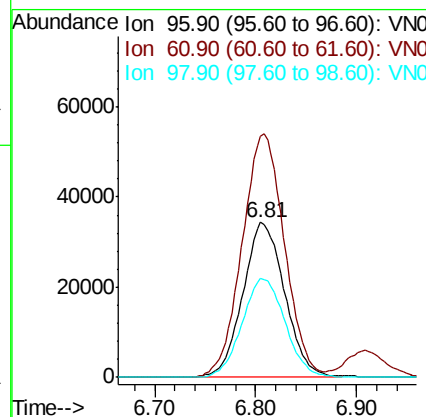
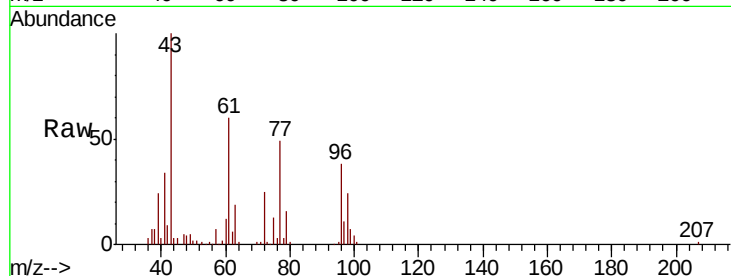
ClientSampleId :

VN1004WBS01

Tot Ion:	96	Resp:	98933
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	318.8
98	65.6	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 21.417 ug/l

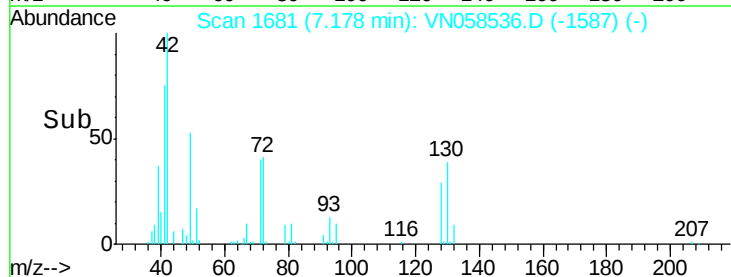
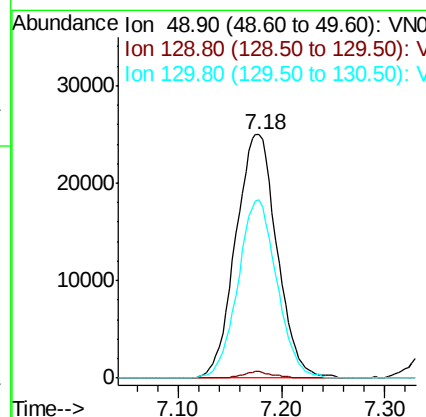
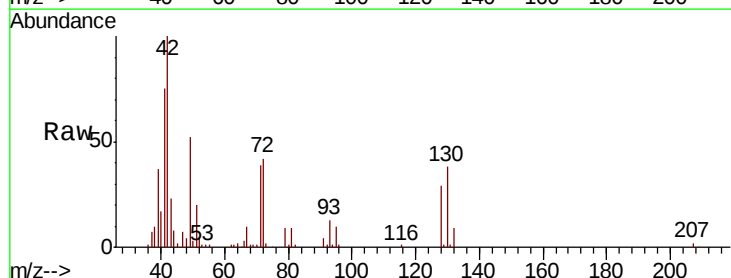
RT: 7.18 min Scan# 1681

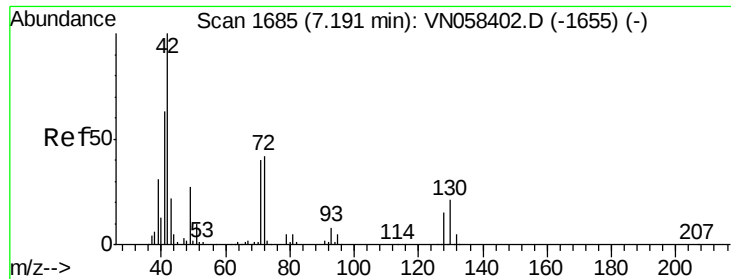
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	49	Resp:	69487
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.9	56.3	84.5





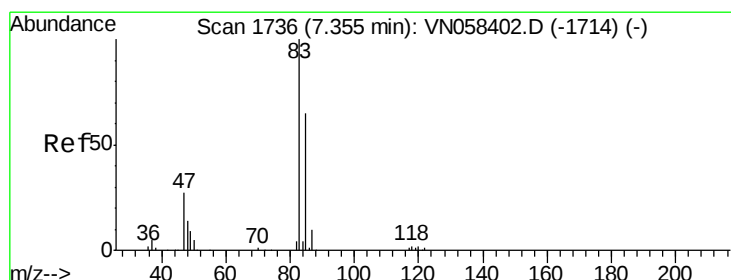
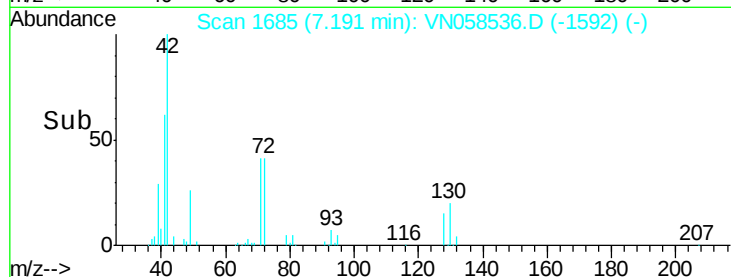
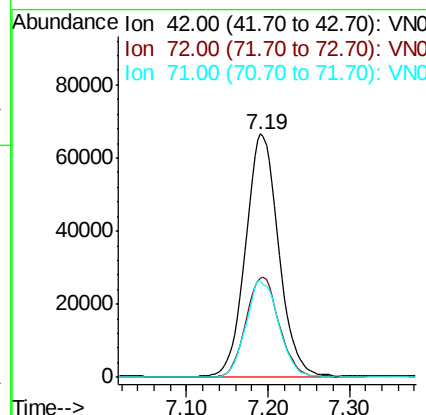
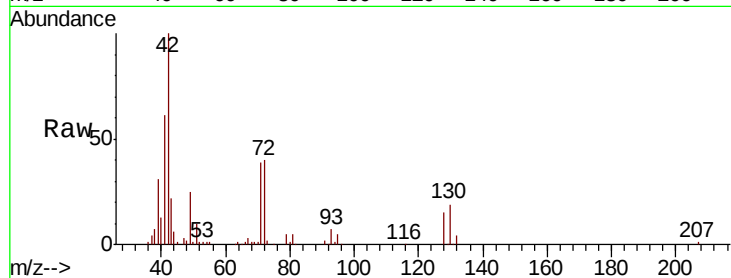
#29
Tetrahydrofuran
Concen: 110.692 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.7	50.5
71	39.2	31.8	47.6

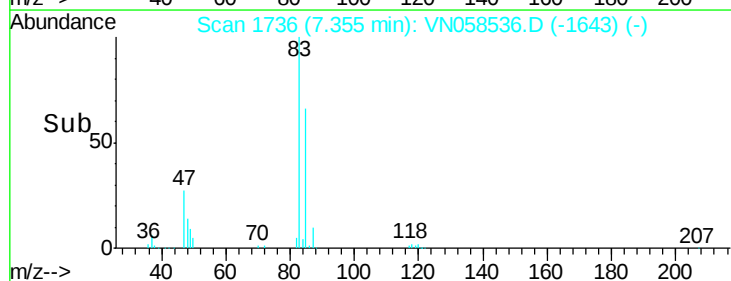
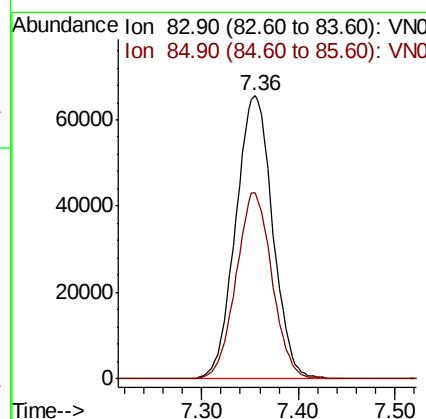
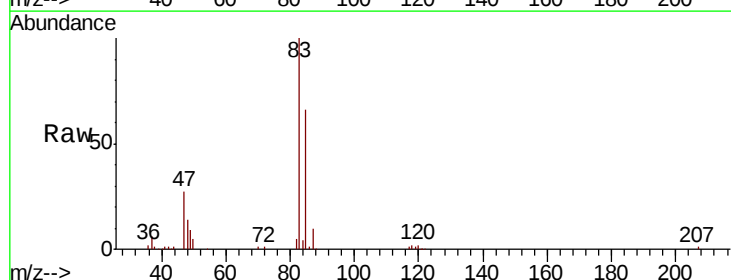
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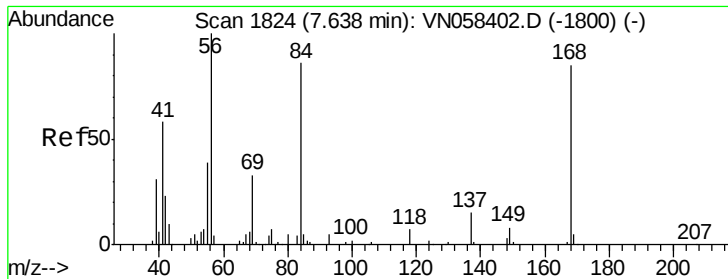
MMDadoda
10/7/2019 12:08:40 PM



#30
Chloroform
Concen: 21.176 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.0	78.0





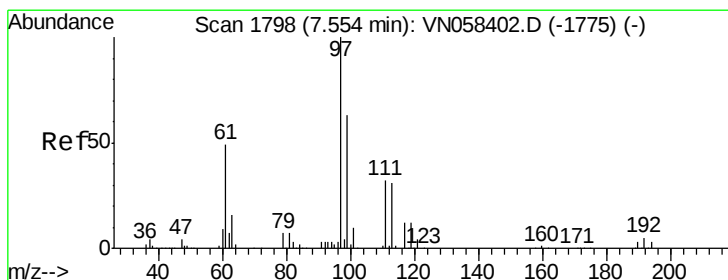
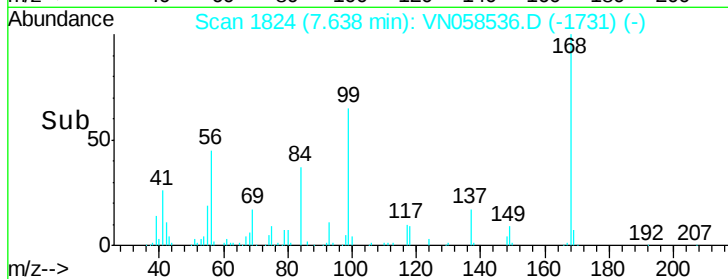
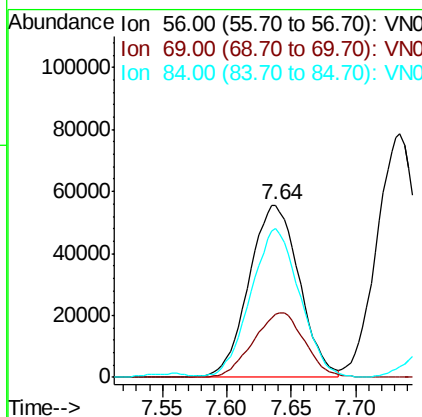
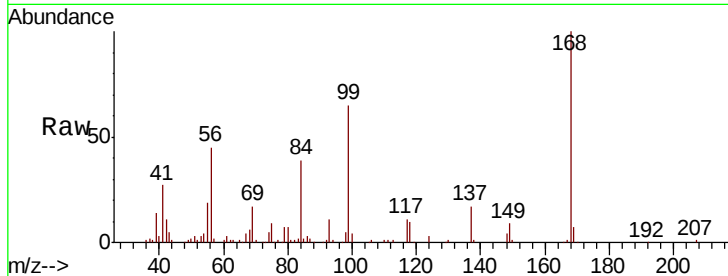
#31
Cyclohexane
Concen: 19.159 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.2	39.4
84	85.1	67.6	101.4

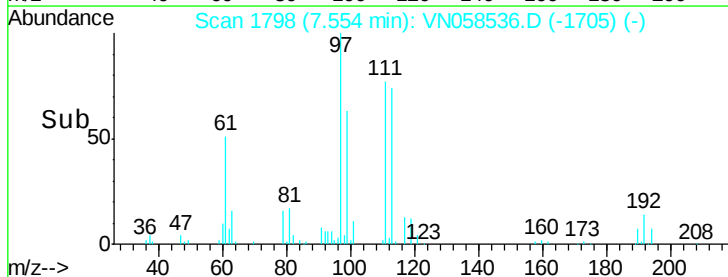
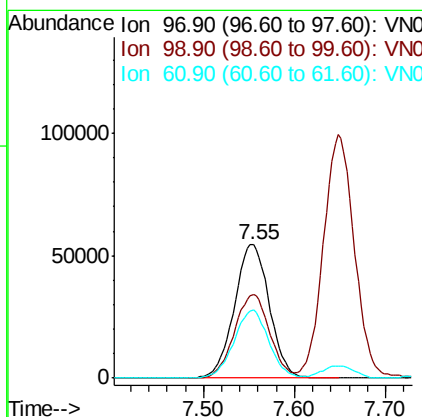
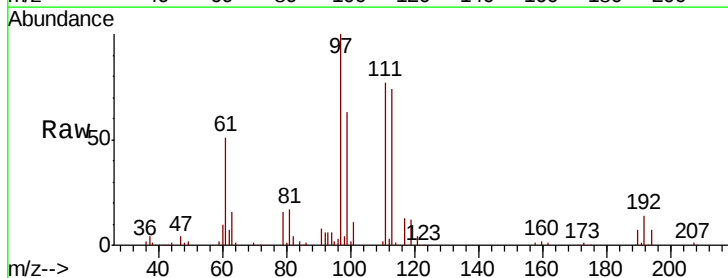
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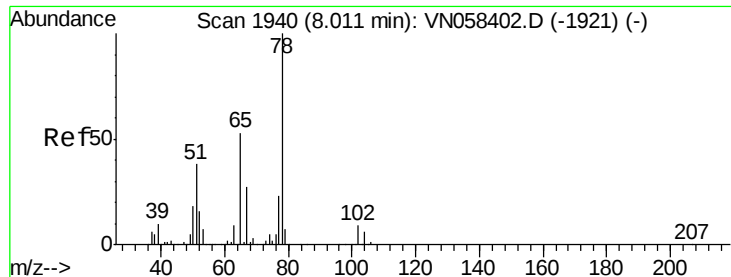
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#32
1,1,1-Trichloroethane
Concen: 21.577 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.1	76.7
61	50.6	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 49.752 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion: 65 Resp: 283825

Ion Ratio Lower Upper

65 100

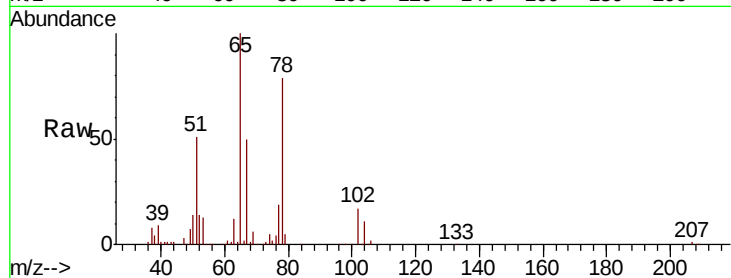
67 50.9 0.0 102.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

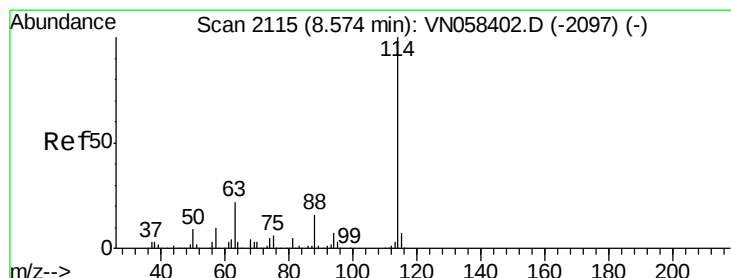
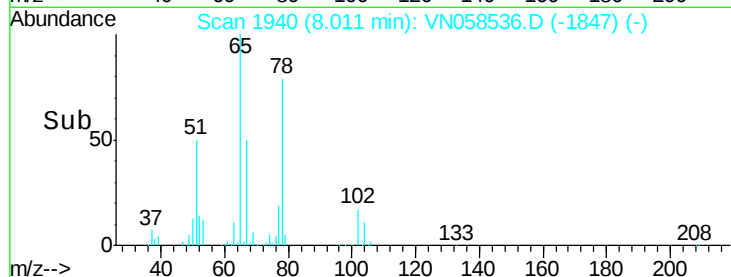
8.01

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

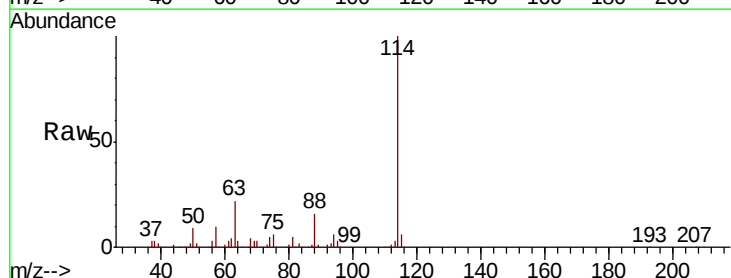
Tgt Ion: 114 Resp: 656781

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 15.7 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

400000

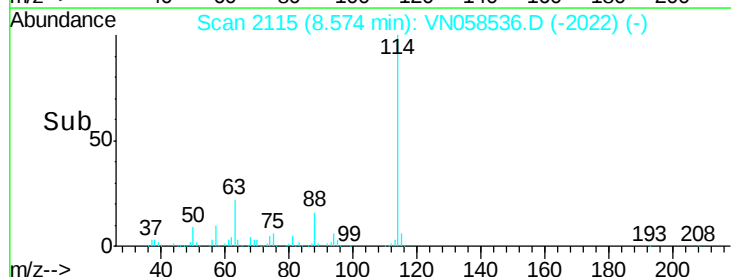
300000

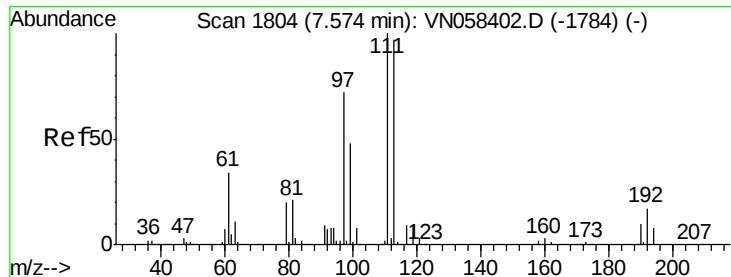
200000

100000

0

Time--> 8.50 8.60 8.70





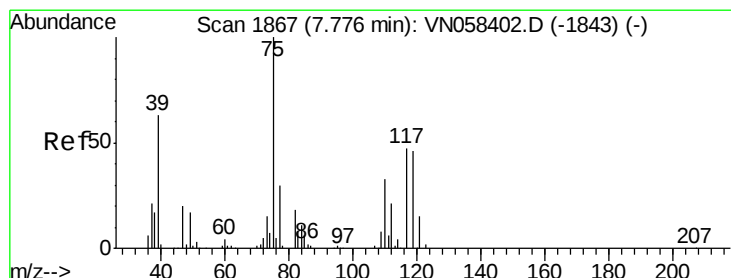
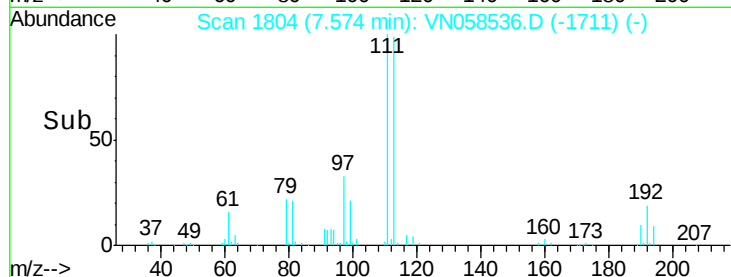
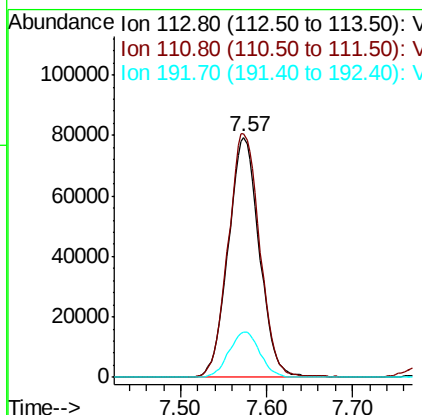
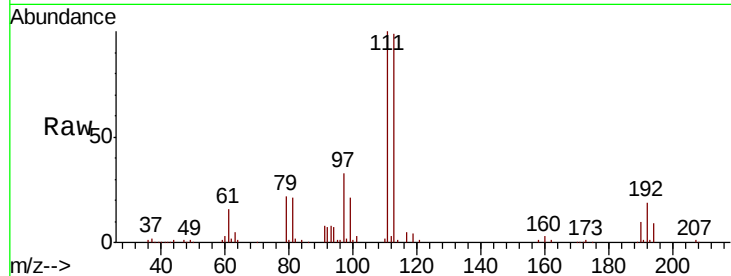
#35
 Dibromofluoromethane
 Concen: 49.486 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199199		
111	103.5	83.4	125.2	
192	18.8	14.9	22.3	

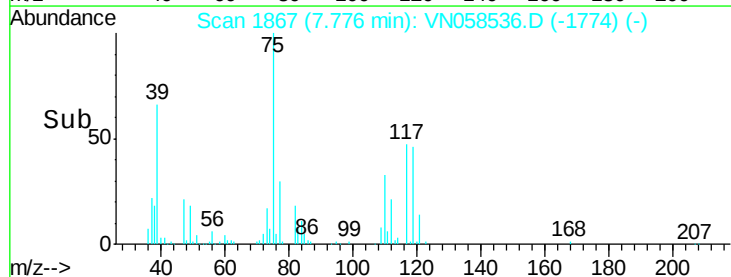
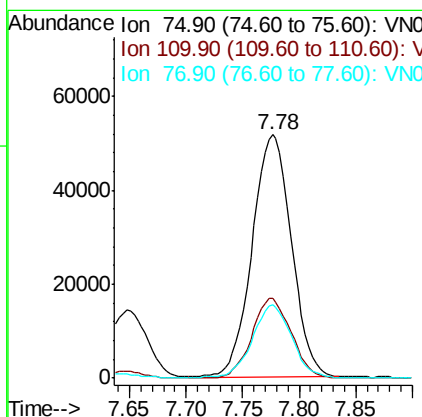
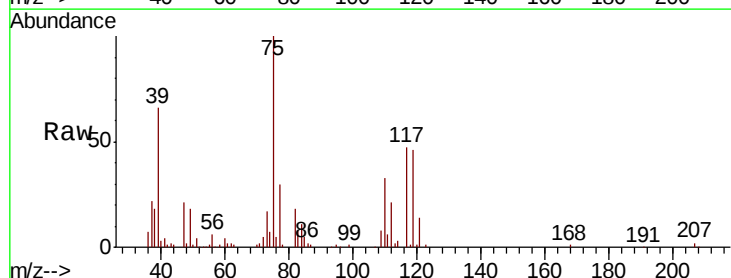
Manual Integrations
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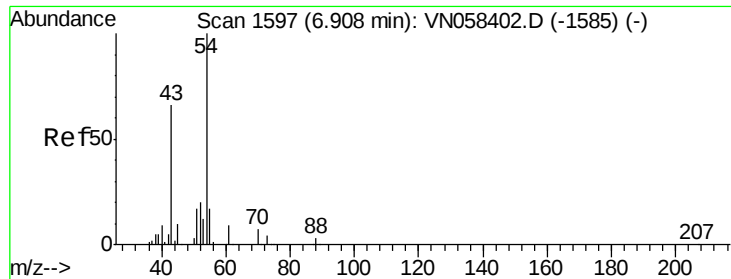
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#36
 1,1-Dichloropropene
 Concen: 19.823 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124490		
110	32.8	16.4	49.2	
77	30.3	24.3	36.5	





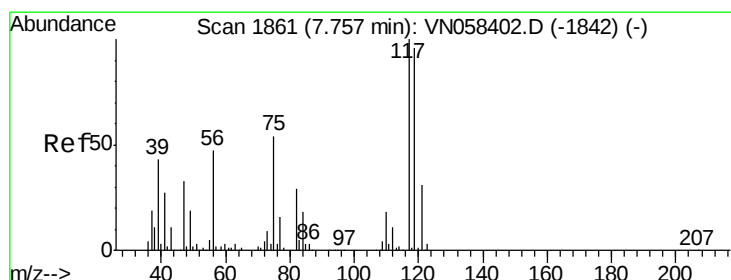
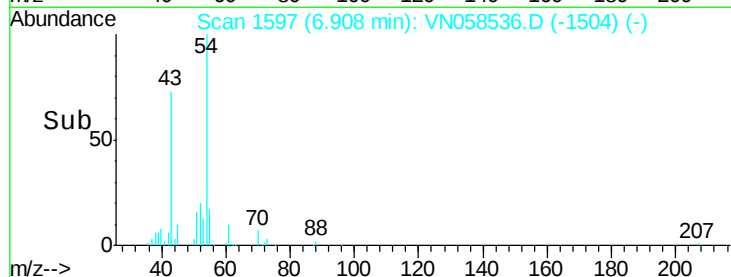
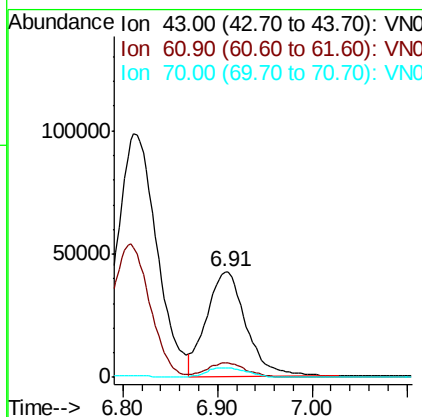
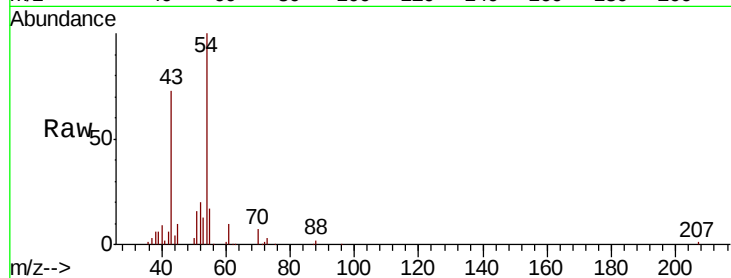
#37
Ethyl Acetate
Concen: 23.186 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.4	7.8	11.6

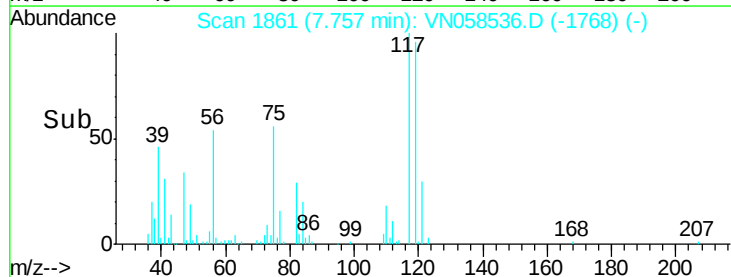
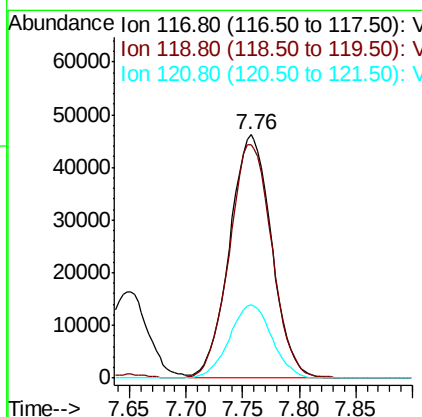
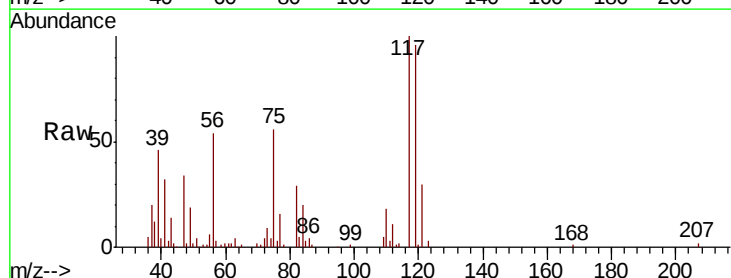
Manual Integrations
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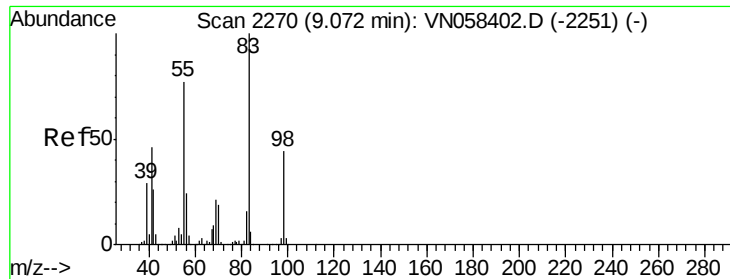
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#38
Carbon Tetrachloride
Concen: 21.003 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	30.0	24.7	37.1





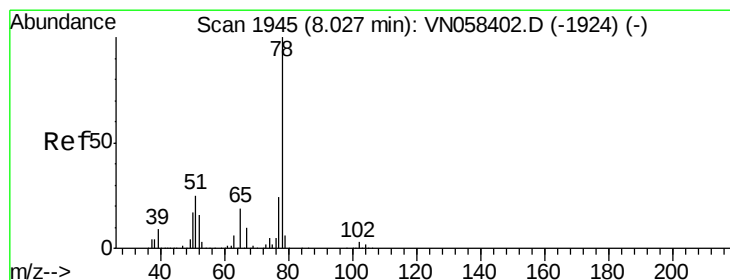
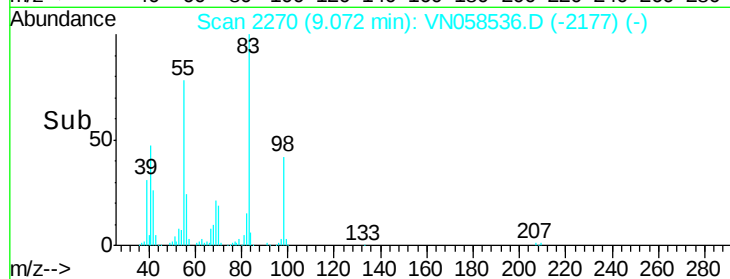
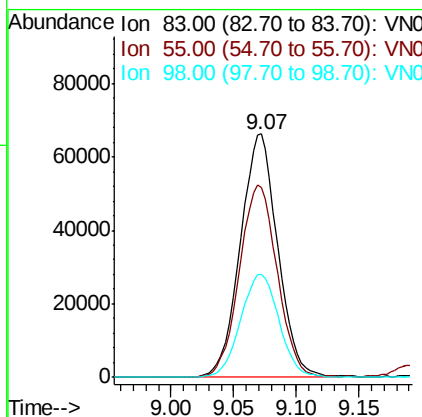
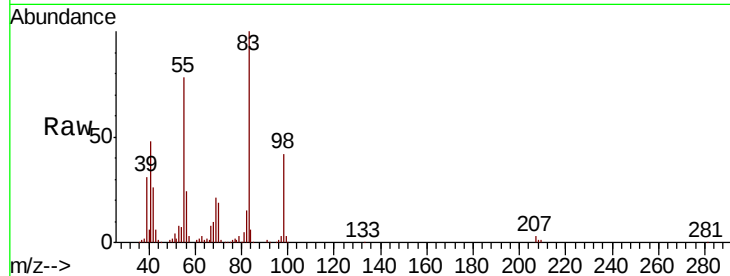
#39
Methvlcvclohexane
Concen: 18.720 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	61.8	92.6
98	42.4	35.4	53.0

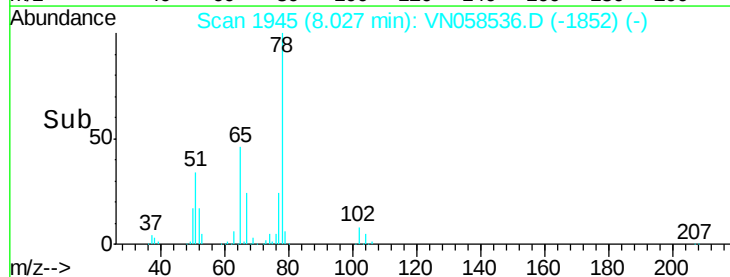
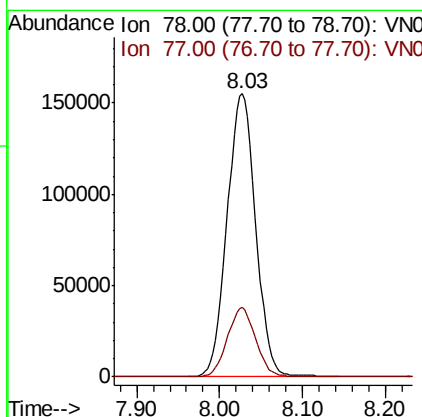
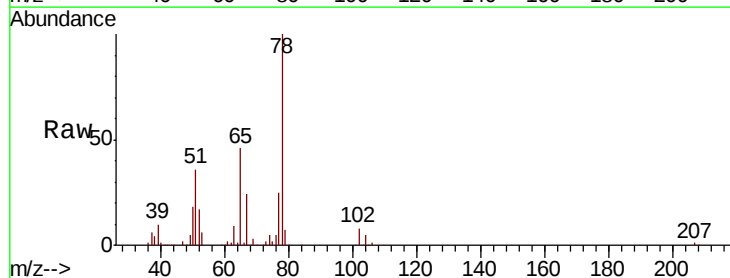
Manual Integrations
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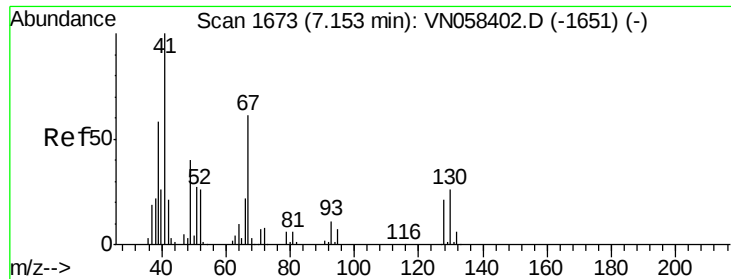
MMDadoda
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#40
Benzene
Concen: 20.627 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3





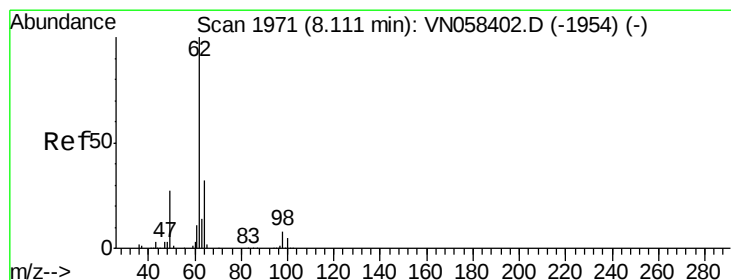
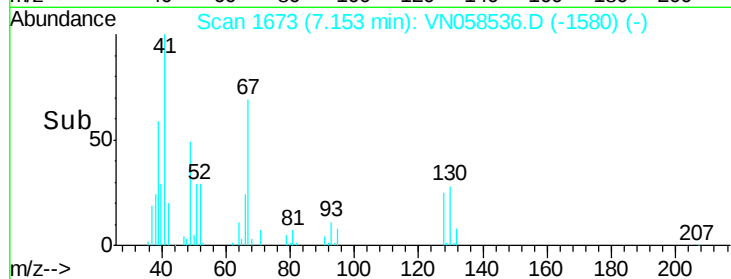
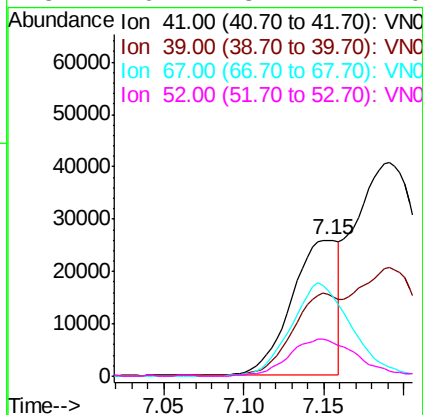
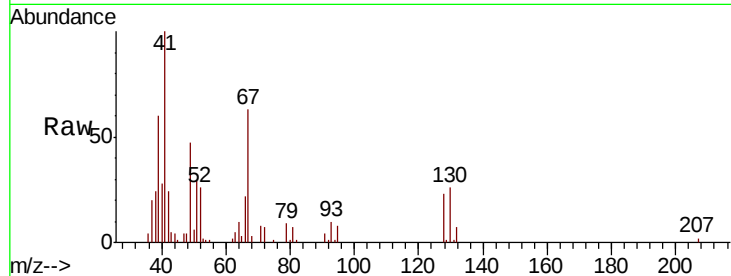
#41
Methacrylonitrile
Concen: 21.594 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN1004WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.8	50.2	75.4	
67	89.2	70.2	105.4	
52	40.1	31.4	47.0	

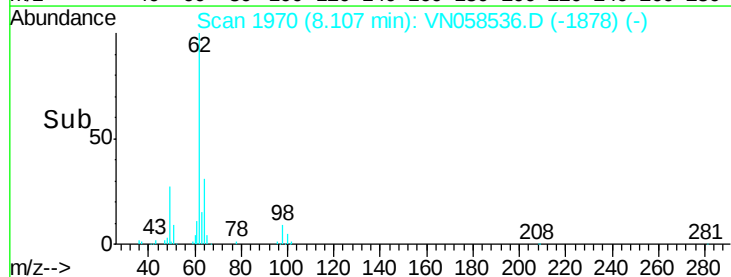
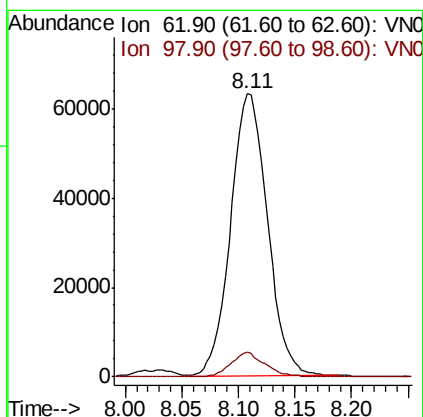
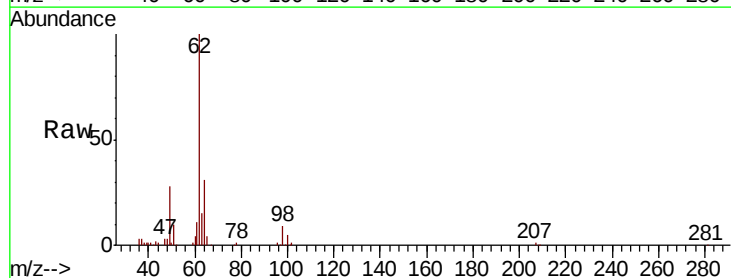
Manual Integrations
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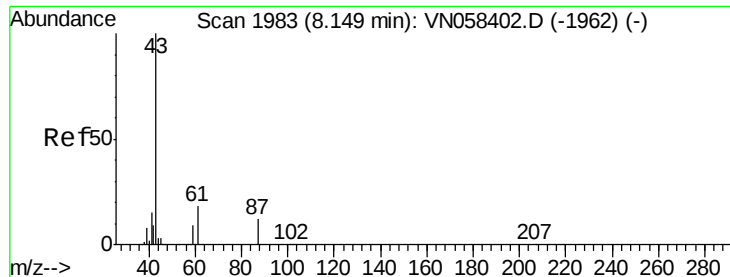
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#42
1,2-Dichloroethane
Concen: 20.421 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	15.6	





#43

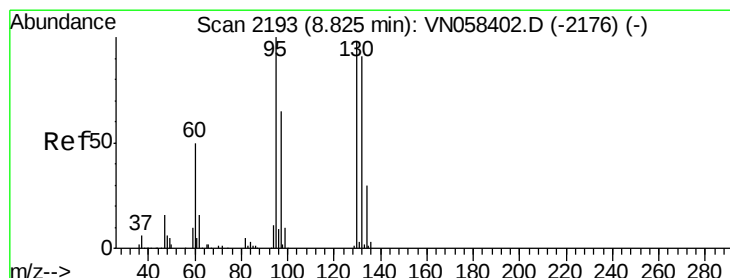
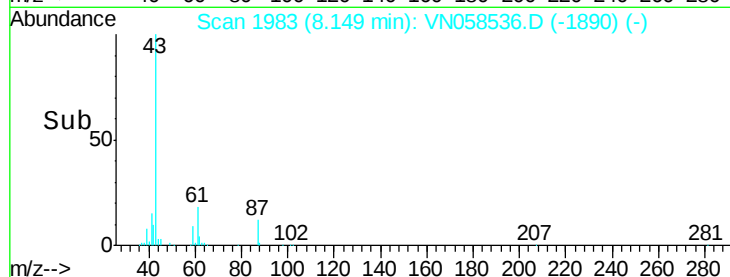
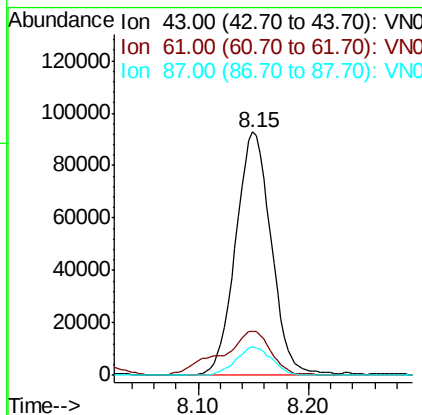
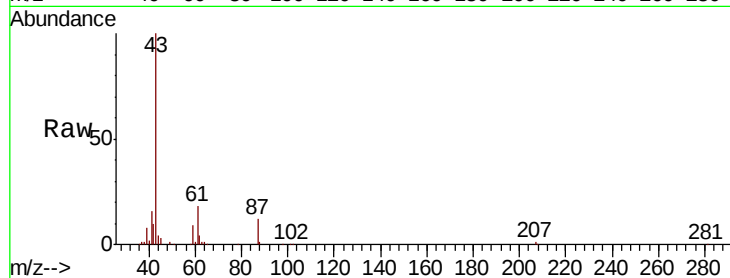
Isopropyl Acetate
 Concen: 20.567 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	14.8	22.2#
87	11.8	9.7	14.5

Manual Integrations
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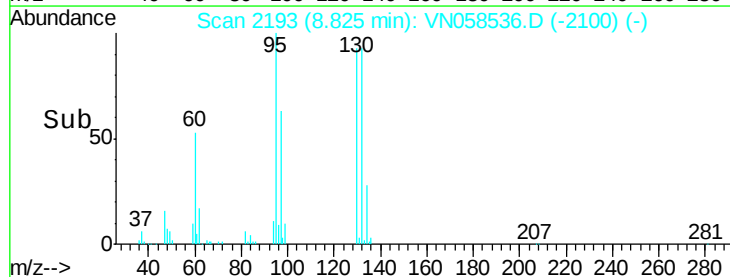
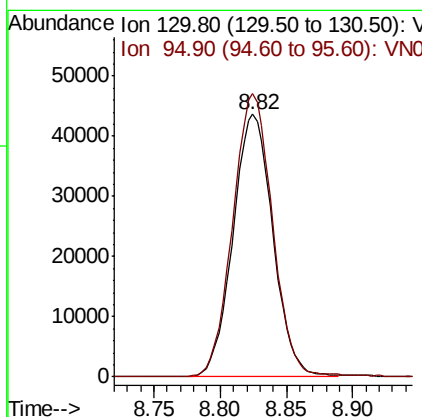
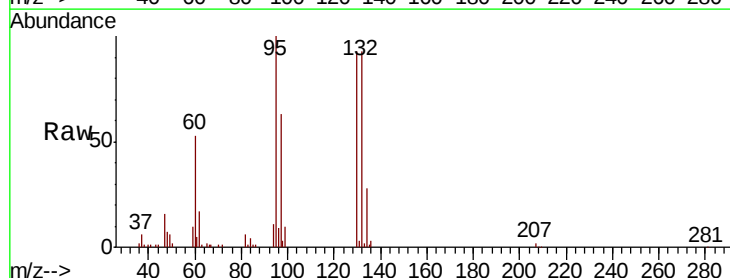
MMDadoda
 10/7/2019 12:08:40 PM

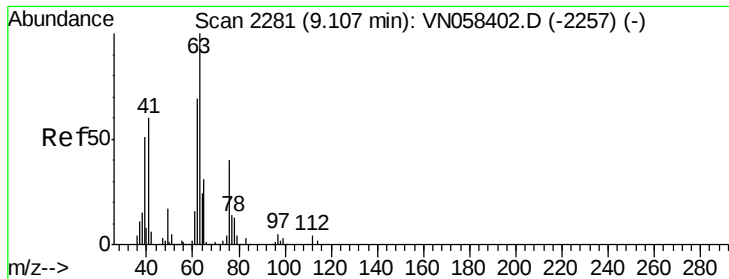


#44

Trichloroethene
 Concen: 20.501 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	204.2





#45

1,2-Dichloropropane

Concen: 21.459 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion: 63 Resp: 103893

Ion Ratio Lower Upper

63 100

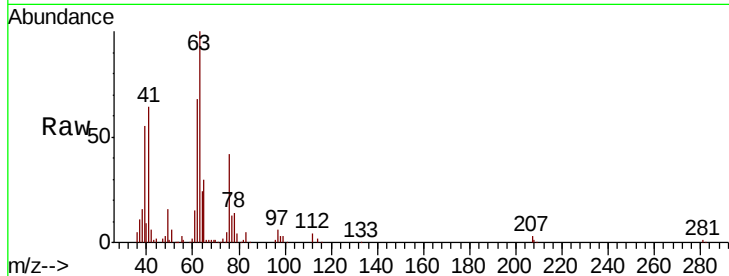
65 29.9 25.0 37.4

Manual Integrations

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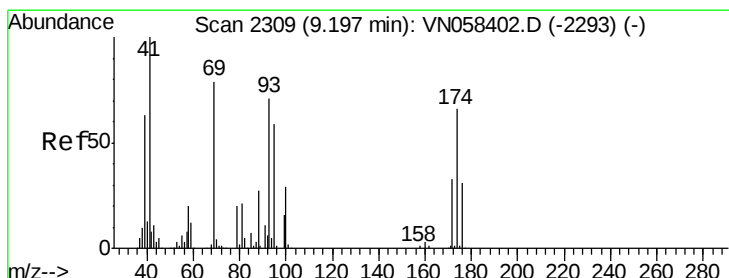
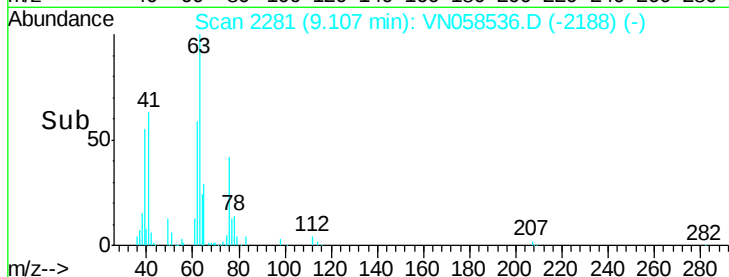
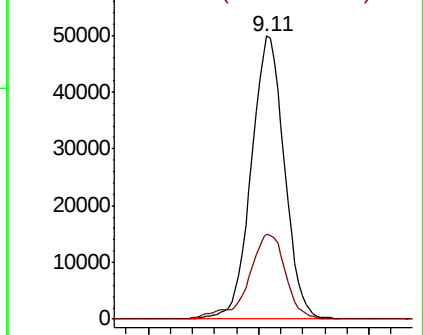
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 21.183 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

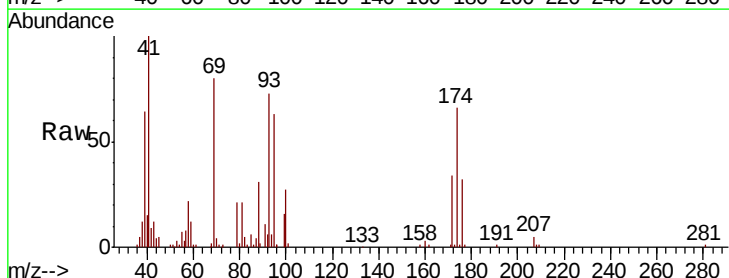
Tgt Ion: 93 Resp: 64947

Ion Ratio Lower Upper

93 100

95 85.3 67.0 100.4

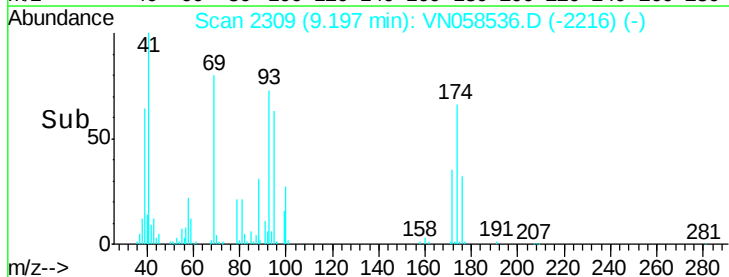
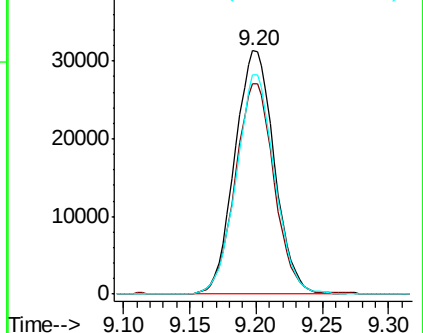
174 87.5 74.2 111.2

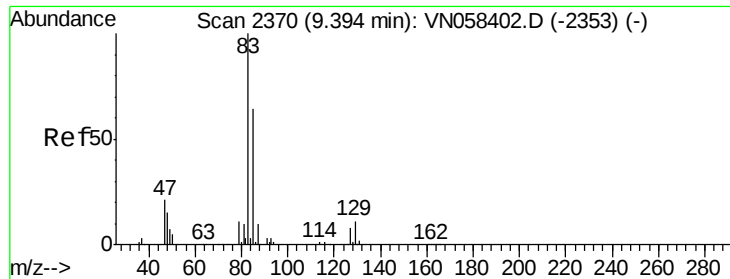


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 22.082 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

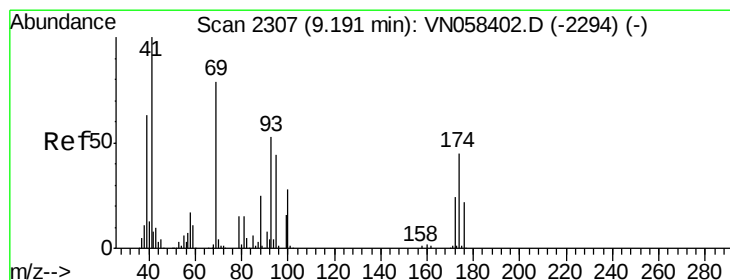
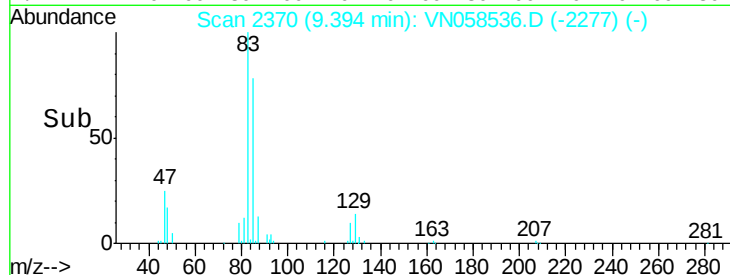
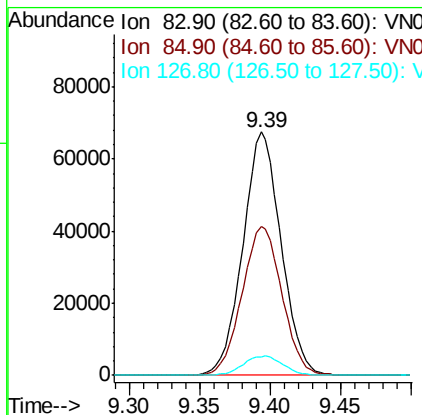
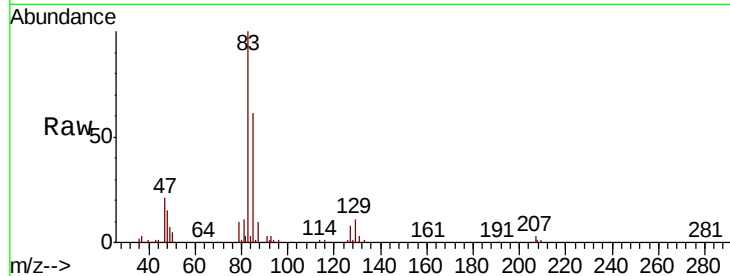
ClientSampleId :

VN1004WBS01

Tot Ion:	83	Resp:	128276
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.2	76.8
127	7.8	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.347 ug/l

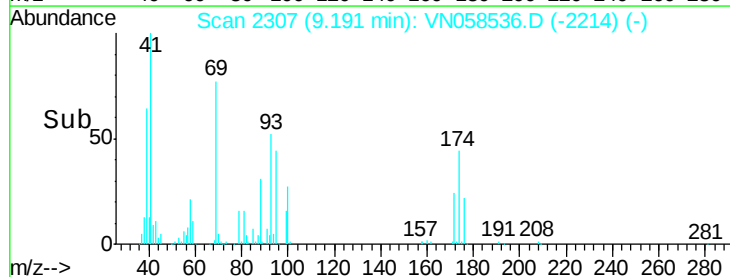
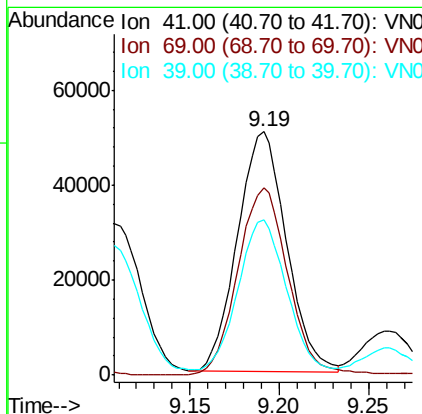
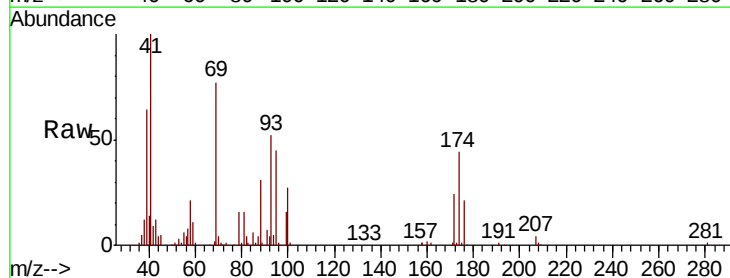
RT: 9.19 min Scan# 2307

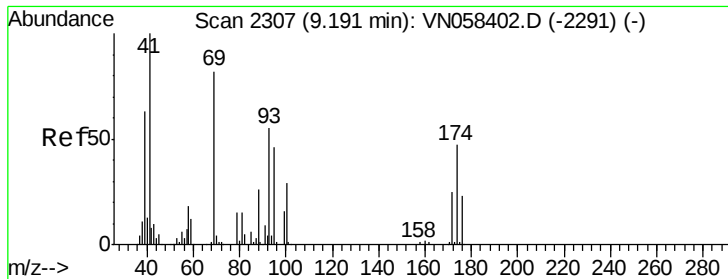
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	41	Resp:	97324
Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.7	97.1
39	64.9	52.9	79.3





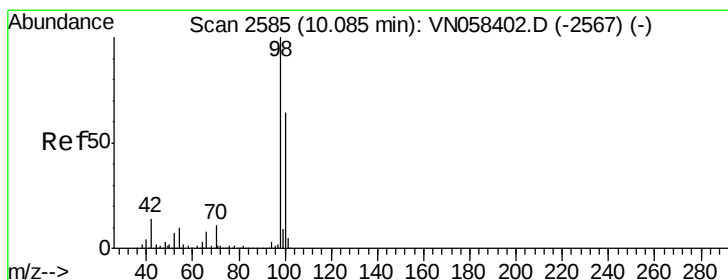
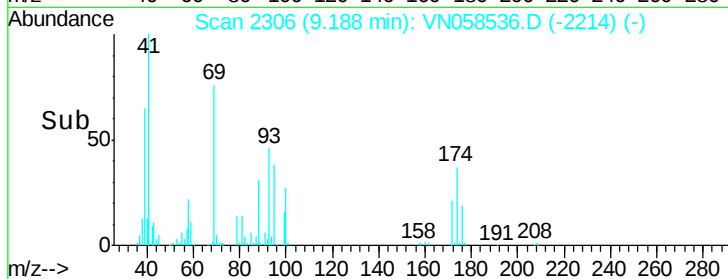
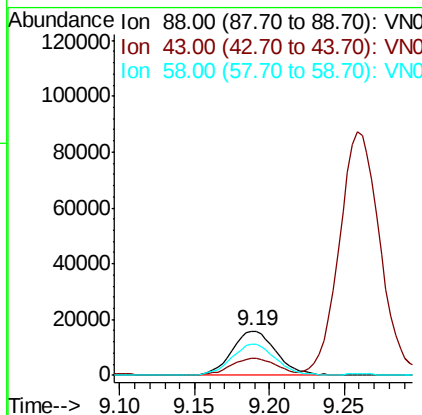
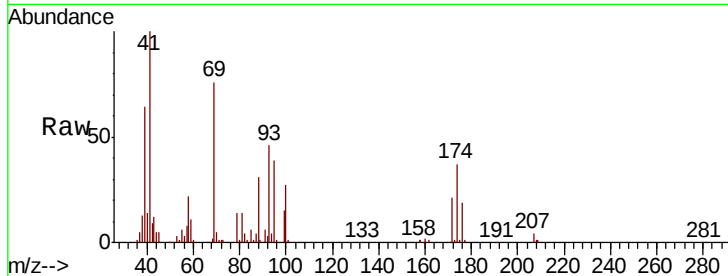
#49
1,4-Dioxane
Concen: 540.454 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	31.1	46.7
58	70.0	58.1	87.1

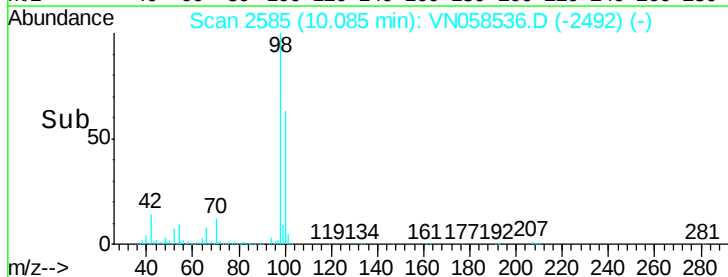
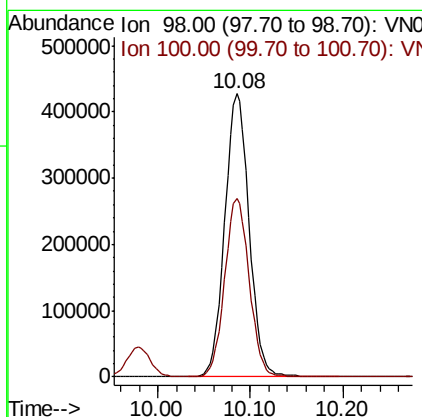
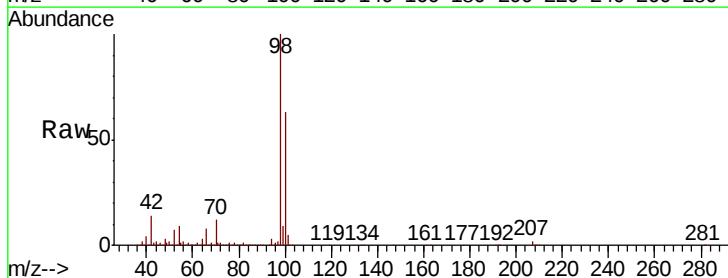
Manual Integrations
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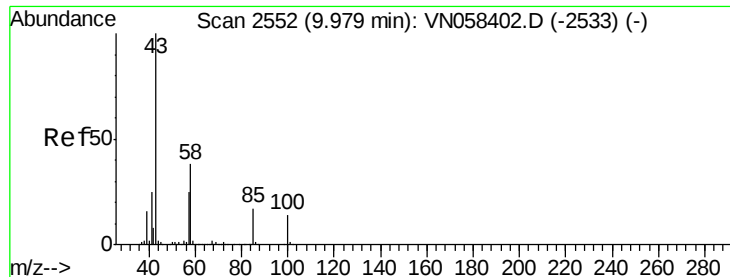
MMDadoda
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#50
Toluene-d8
Concen: 49.314 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 119.312 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 43 Resp: 613627

Ion Ratio Lower Upper

43 100

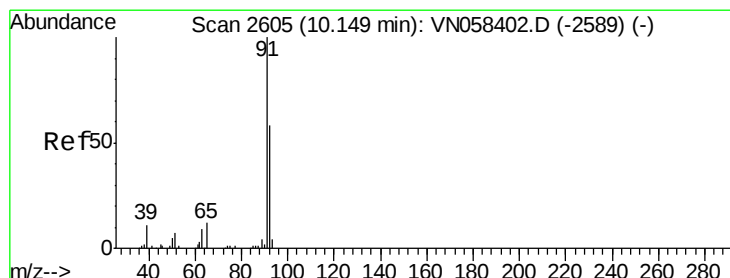
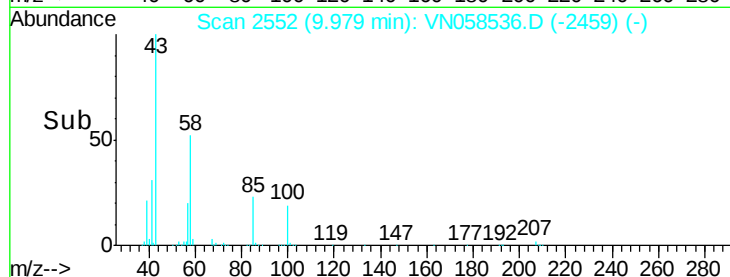
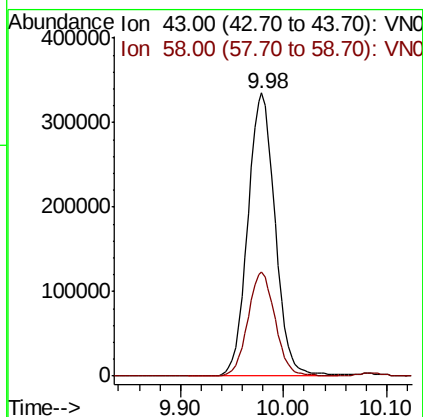
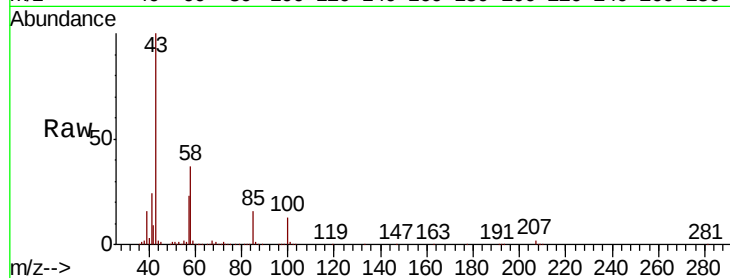
58 36.9 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 19.955 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058536.D

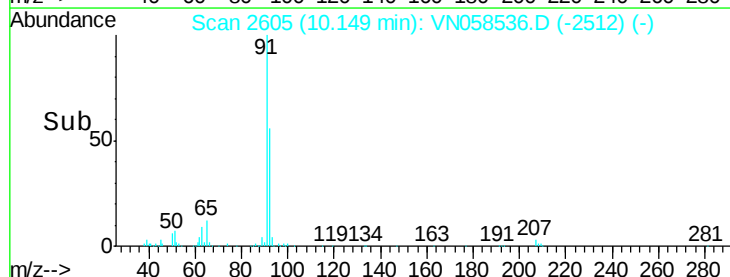
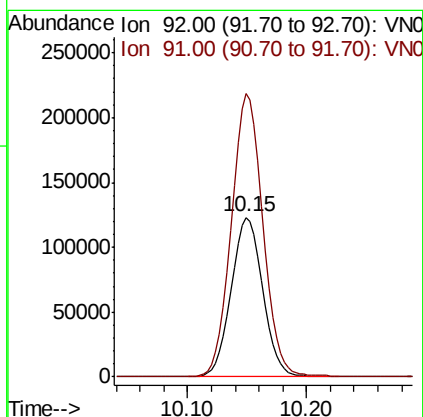
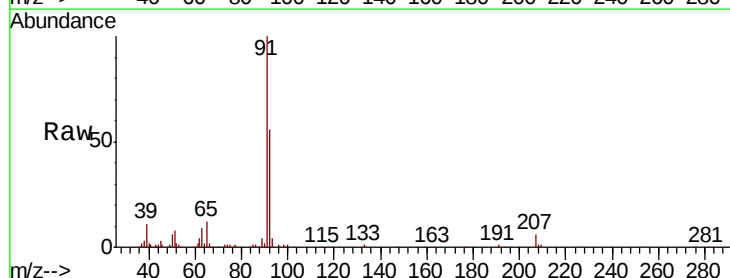
Acq: 4 Oct 2019 13:37

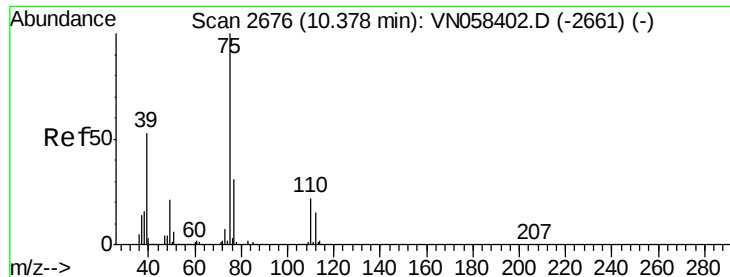
Tgt Ion: 92 Resp: 226739

Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 22.141 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion: 75 Resp: 139995

Ion Ratio Lower Upper

75 100

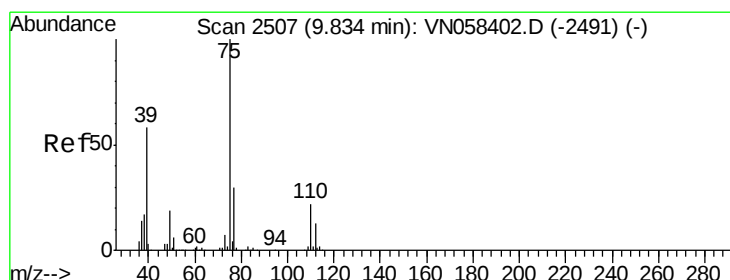
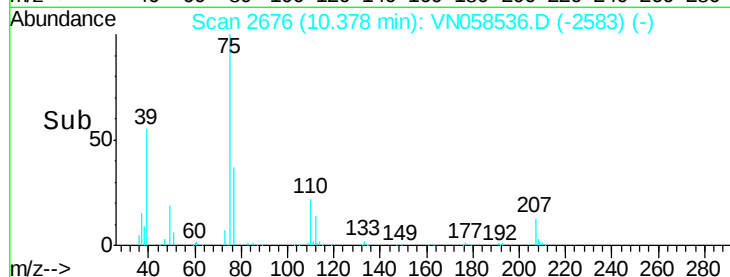
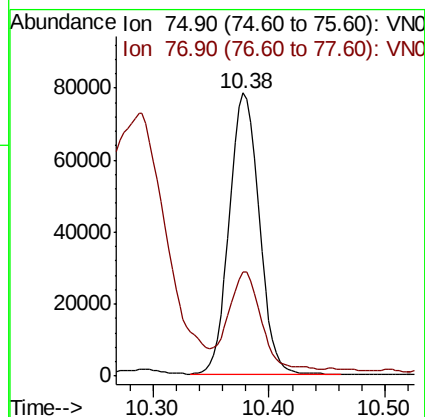
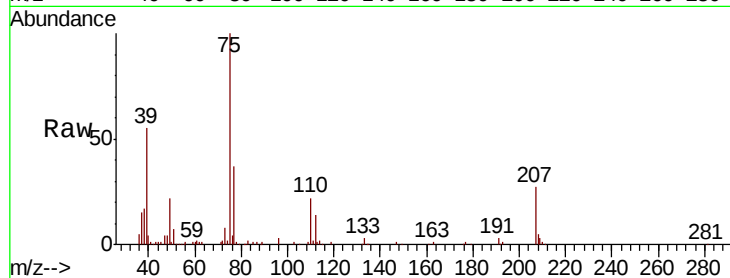
77 34.8 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.698 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

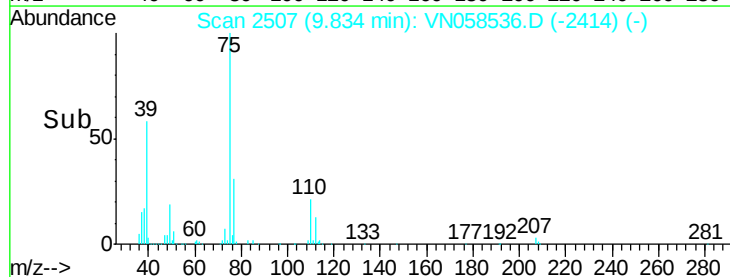
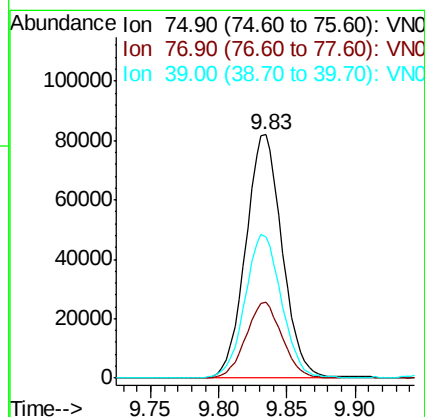
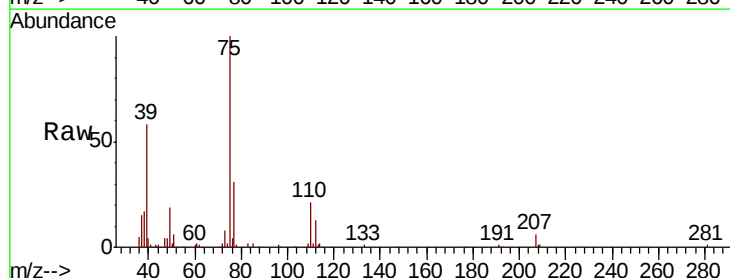
Tgt Ion: 75 Resp: 152291

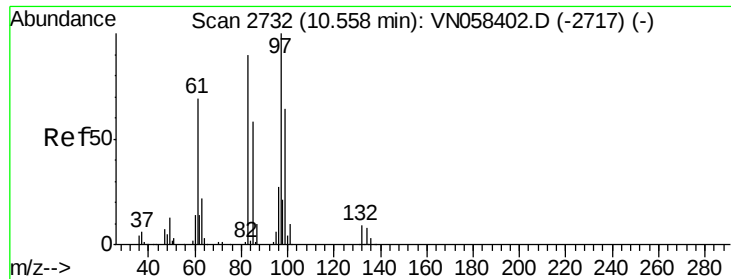
Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.4

39 57.9 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 22.549 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

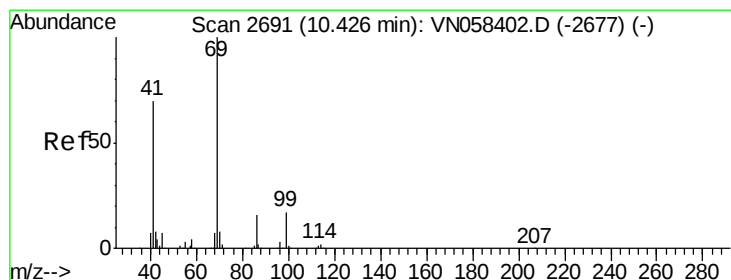
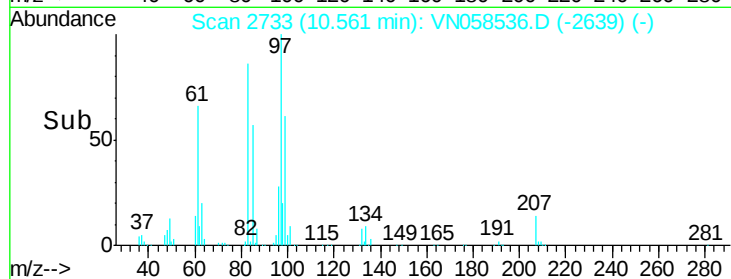
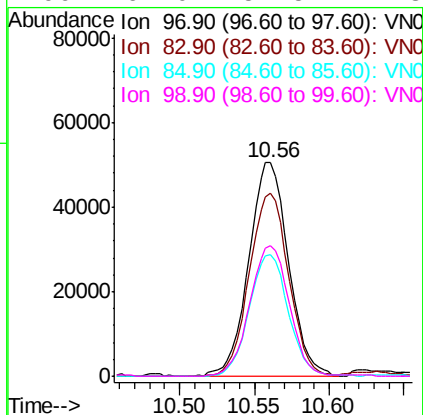
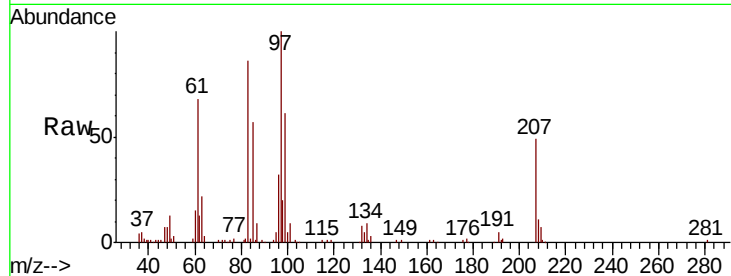
ClientSampleId :

VN1004WBS01

Tot Ion:	97	Resp:	93292
Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.8	107.6
85	57.1	46.6	69.8
99	61.0	51.5	77.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.693 ug/l

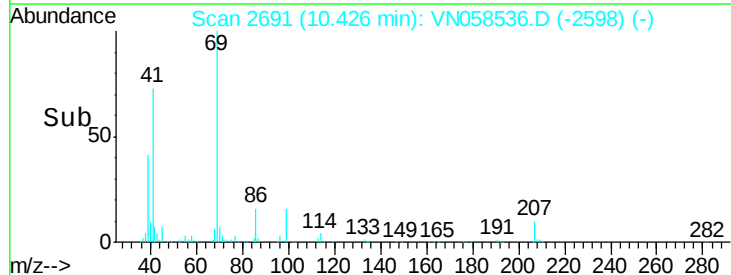
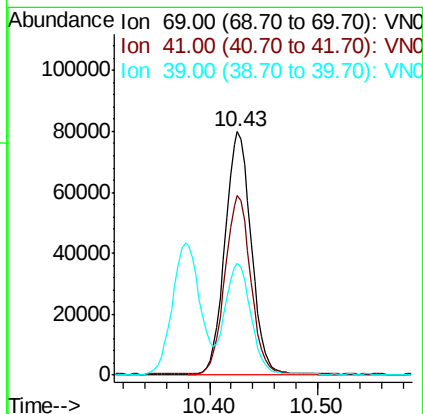
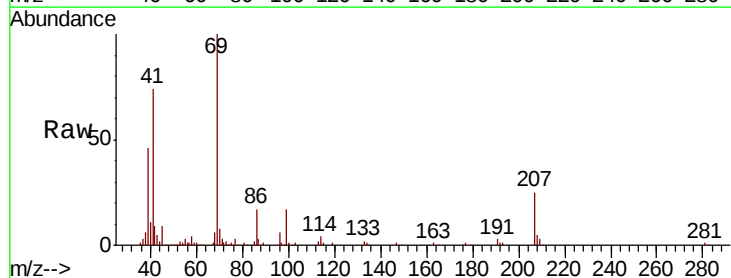
RT: 10.43 min Scan# 2691

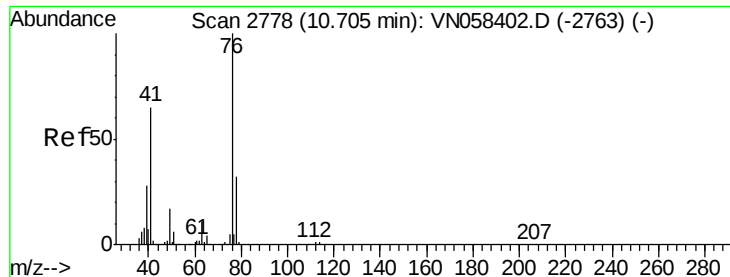
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	69	Resp:	136188
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.3	84.5
39	45.6	35.8	53.6





#57

1,3-Dichloropropane

Concen: 21.682 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion: 76 Resp: 160009

Ion Ratio Lower Upper

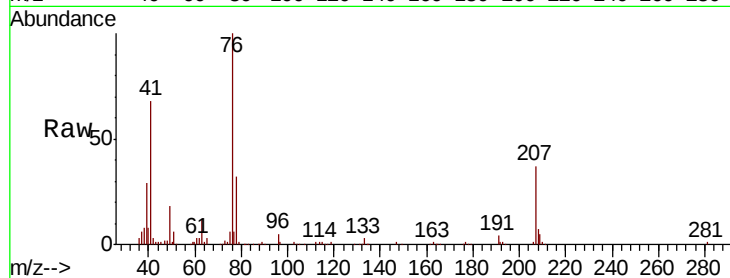
76 100

78 32.1 25.7 38.5

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

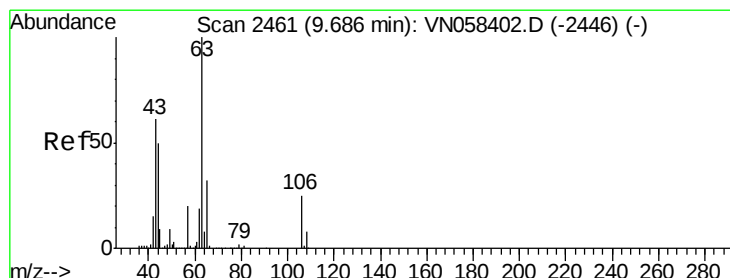
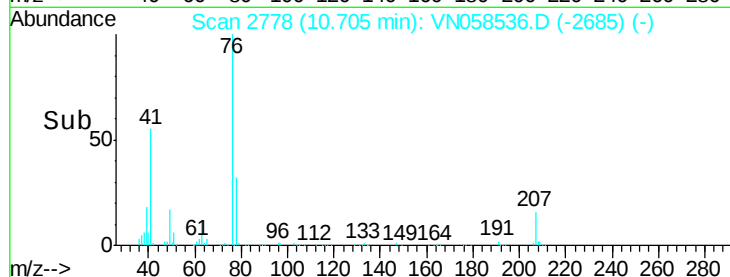
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 132.828 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058536.D

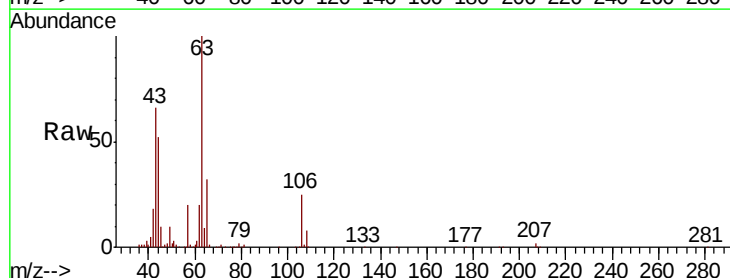
Acq: 4 Oct 2019 13:37

Tgt Ion: 63 Resp: 332508

Ion Ratio Lower Upper

63 100

106 25.3 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

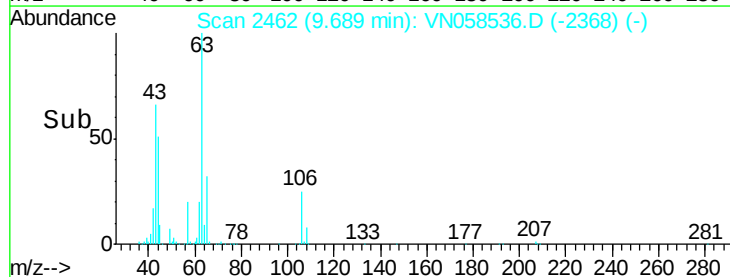
150000

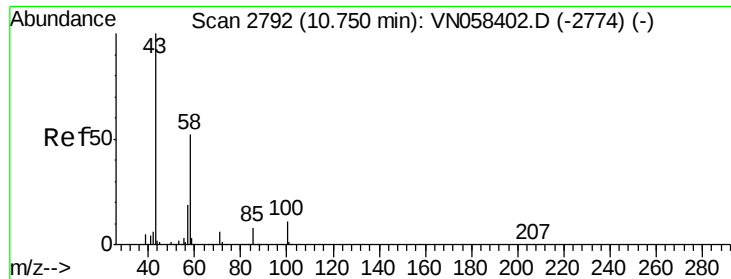
100000

50000

0

Time-->





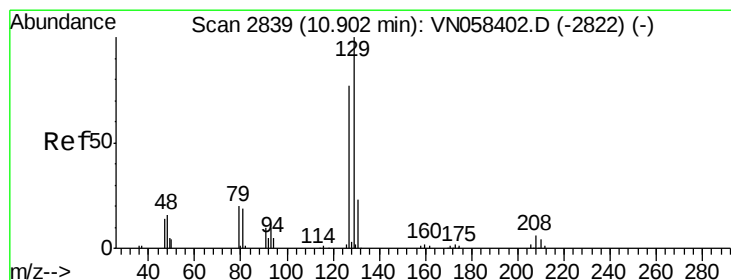
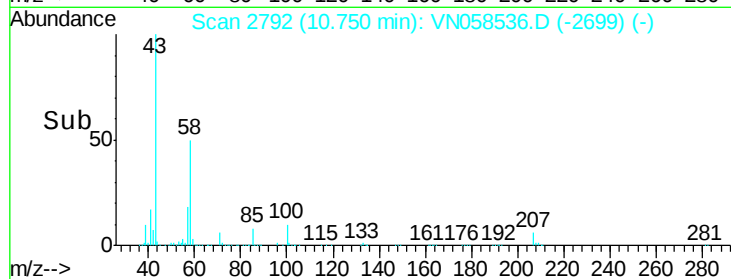
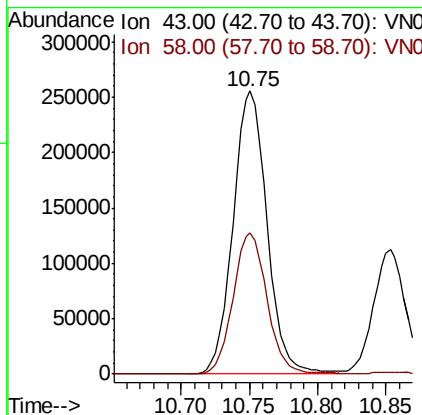
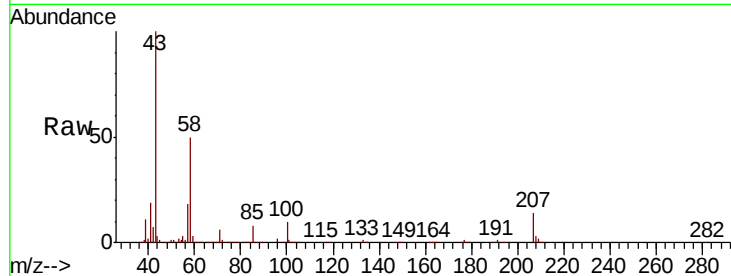
#59
2-Hexanone
Concen: 116.844 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion: 43 Resp: 437572
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3

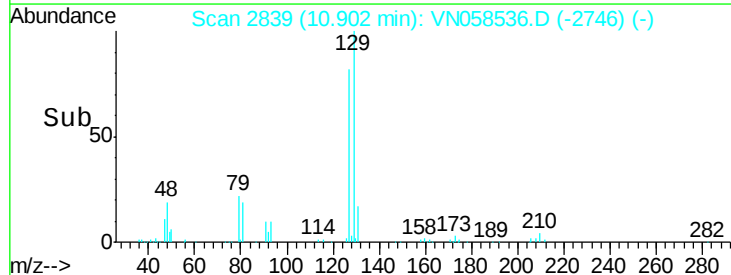
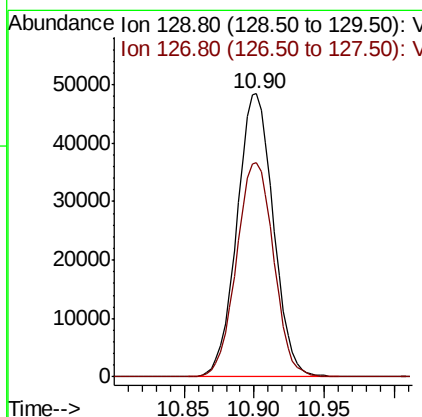
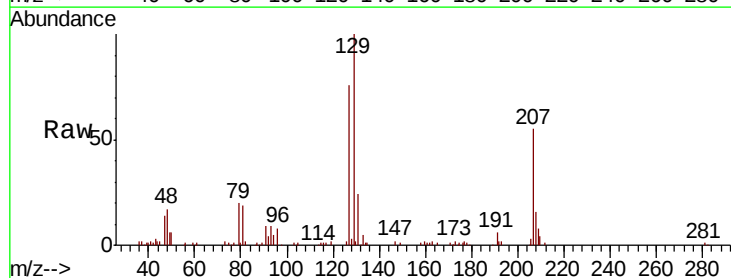
Manual Integrations
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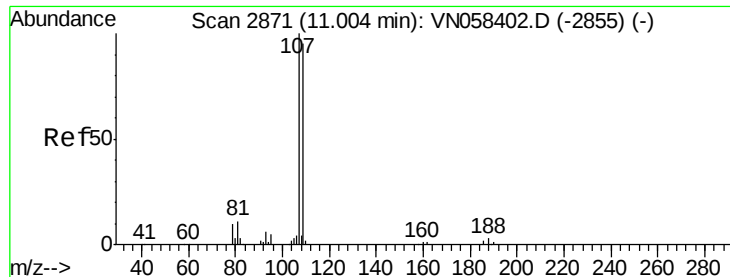
MMDadoda
10/7/2019 12:08:40 PM



#60
Dibromochloromethane
Concen: 20.140 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 129 Resp: 87699
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





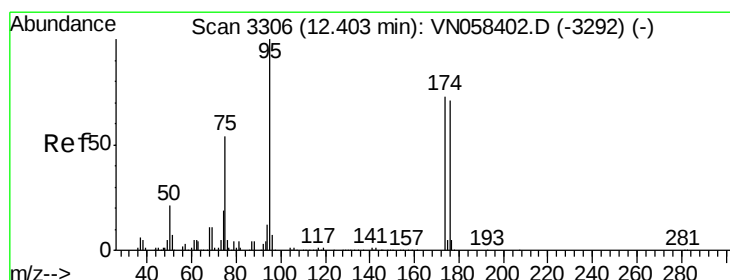
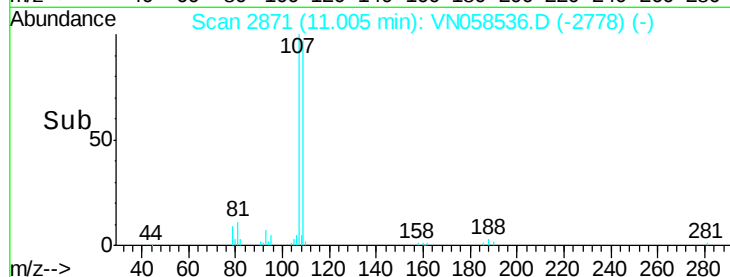
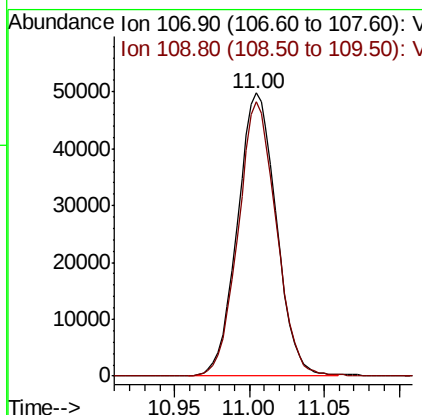
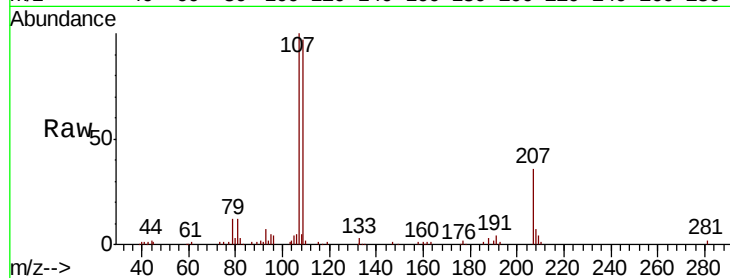
#61
 1,2-Dibromoethane
 Concen: 21.303 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion:107 Resp: 90055
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.3 112.9

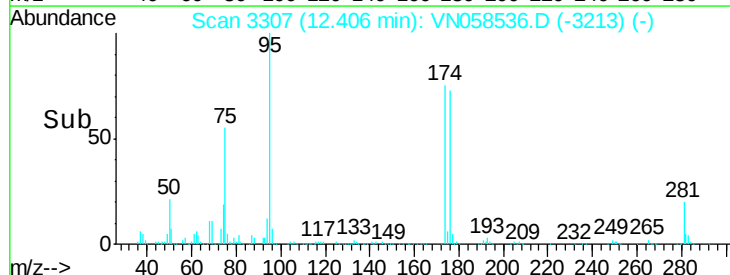
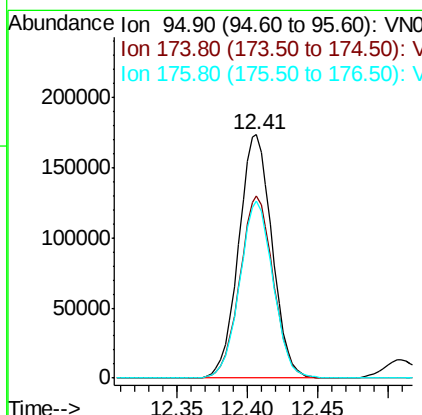
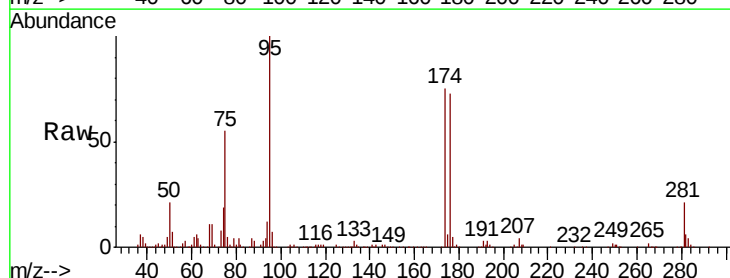
Manual Integrations
 APPROVED

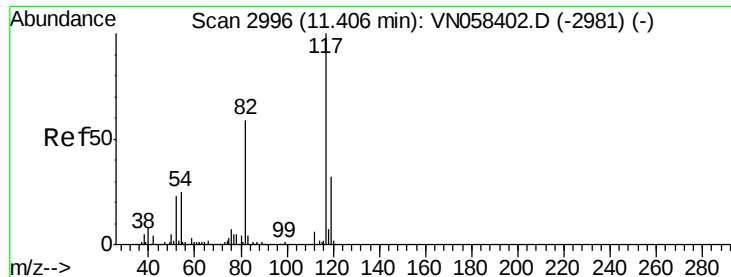
MMDadoda
 10/7/2019 12:08:40 PM



#62
 4-Bromofluorobenzene
 Concen: 50.574 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion: 95 Resp: 288361
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 150.6
 176 72.6 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

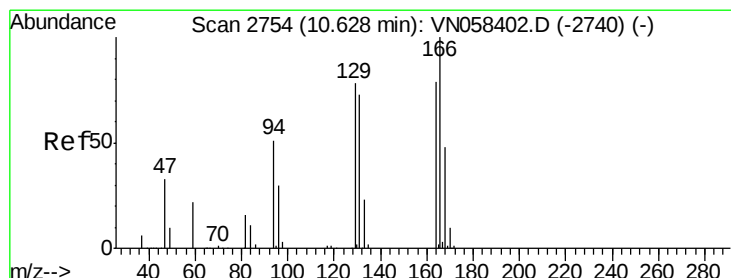
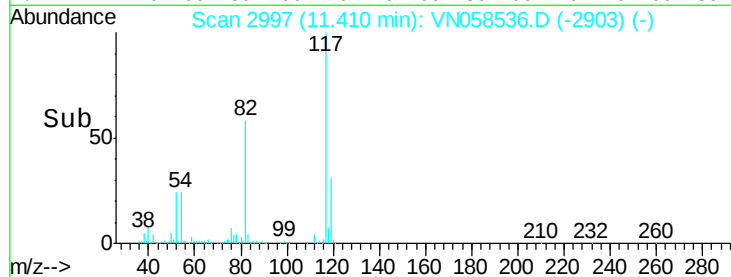
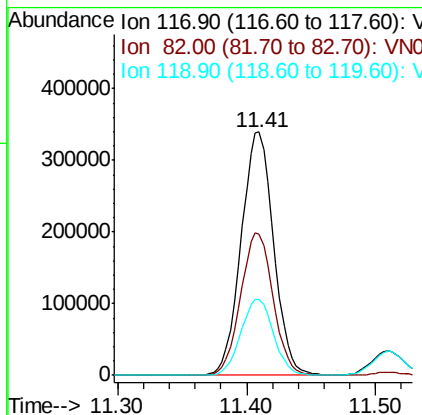
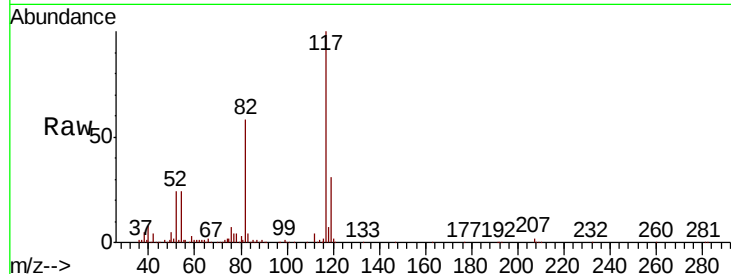
ClientSampleId :

VN1004WBS01

Tot Ion:	117	Resp:	595789
Ion Ratio	Lower	Upper	
117	100		
82	58.0	47.4	71.0
119	30.9	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.808 ug/l

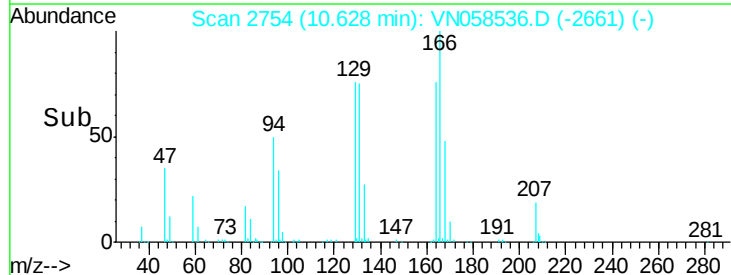
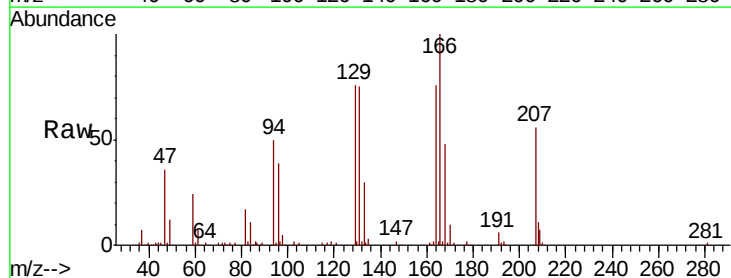
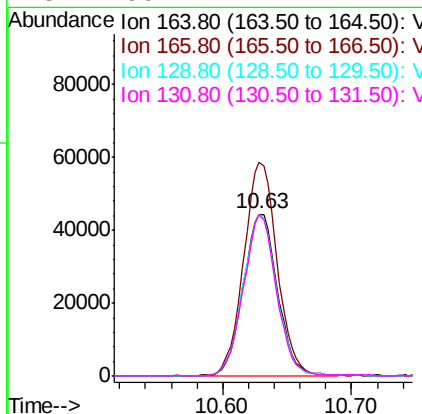
RT: 10.63 min Scan# 2754

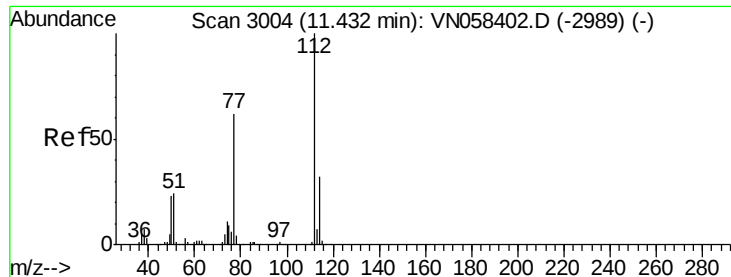
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	164	Resp:	82549
Ion Ratio	Lower	Upper	
164	100		
166	132.0	101.1	151.7
129	99.7	79.2	118.8
131	99.4	74.1	111.1





#65

Chlorobenzene

Concen: 20.573 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion:112 Resp: 243648

Ion Ratio Lower Upper

112 100

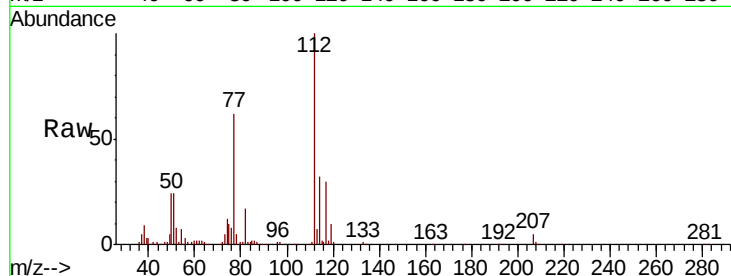
114 32.2 25.4 38.2

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

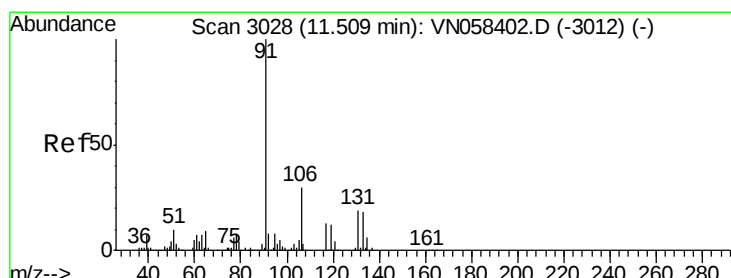
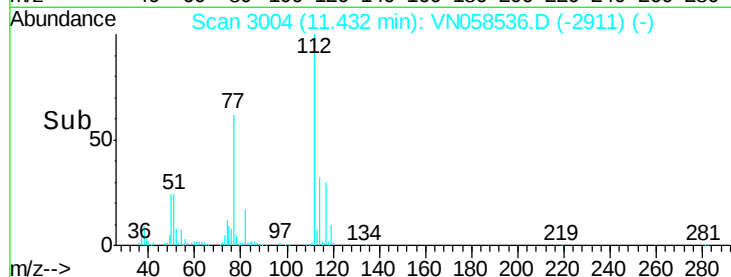
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.970 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

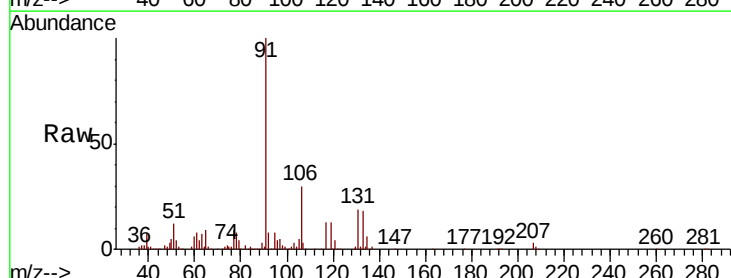
Tgt Ion:131 Resp: 87663

Ion Ratio Lower Upper

131 100

133 94.3 47.8 143.3

119 66.4 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

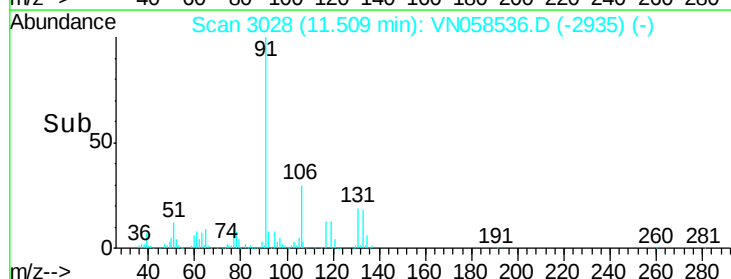
11.51

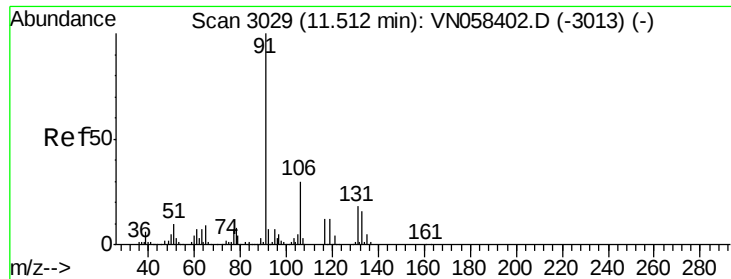
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.961 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion: 91 Resp: 449624

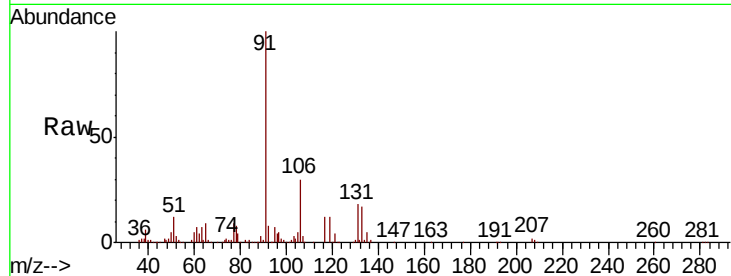
Ion Ratio Lower Upper

91 100

106 29.9 24.3 36.5

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Abundance Ion 91.00 (90.70 to 91.70): VN058536.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN058536.D (-2936) (-)

400000

300000

200000

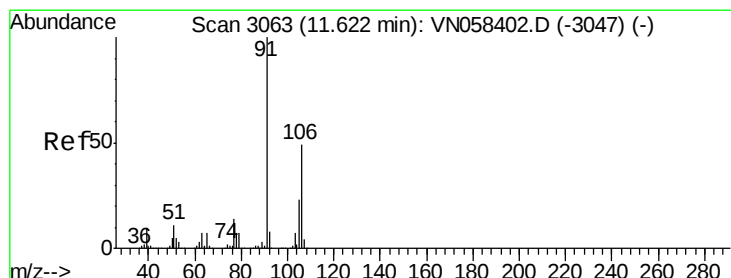
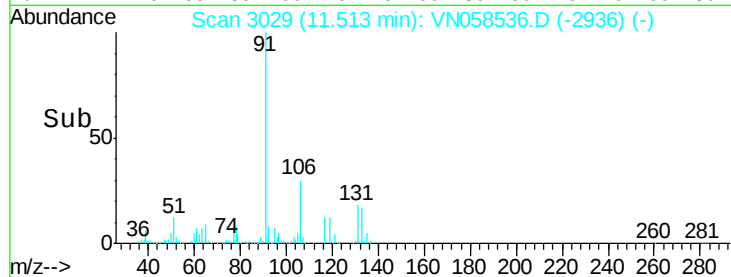
100000

0

11.45 11.50 11.55 11.60

11.51

Time-->



#68

m/p-Xylenes

Concen: 40.148 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058536.D

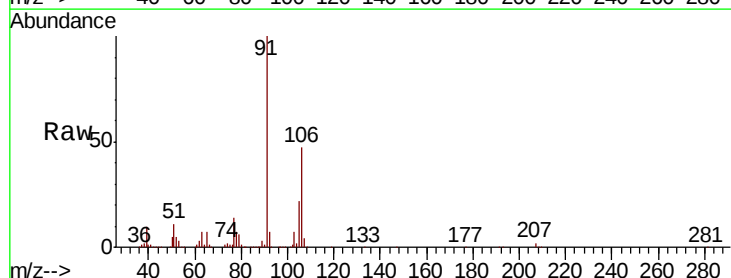
Acq: 4 Oct 2019 13:37

Tgt Ion: 106 Resp: 324020

Ion Ratio Lower Upper

106 100

91 210.8 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN058536.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN058536.D (-2970) (-)

400000

300000

200000

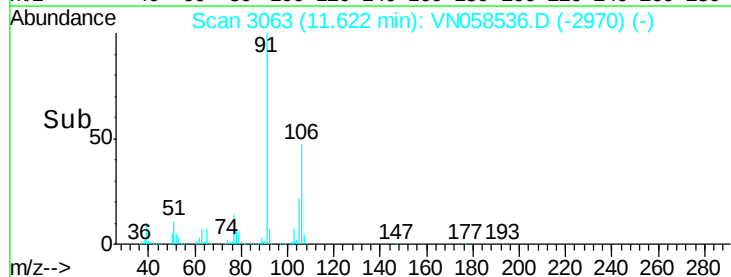
100000

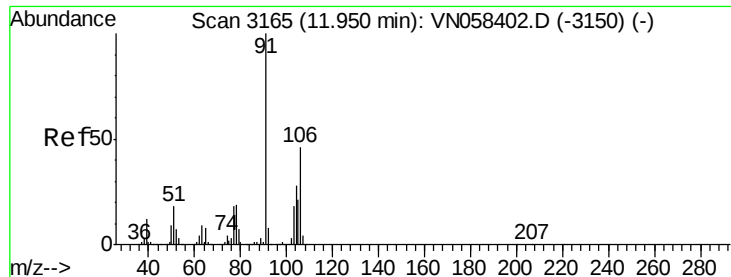
0

11.60 11.62 11.64 11.66 11.68 11.70

11.62

Time-->





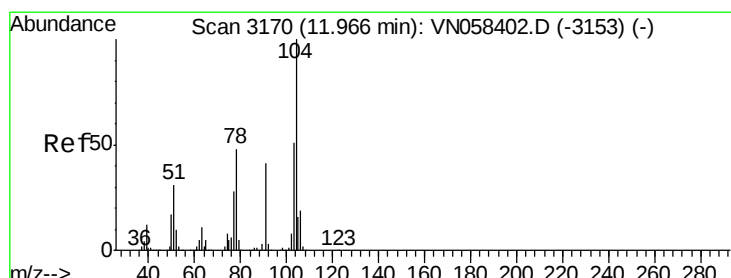
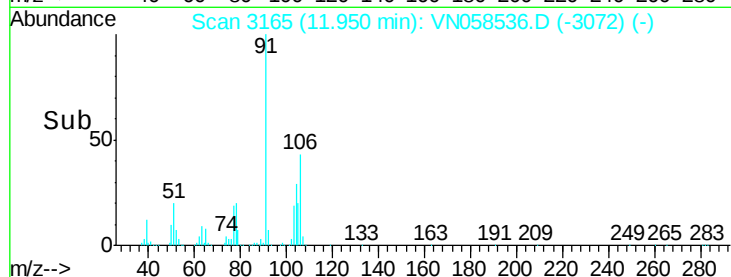
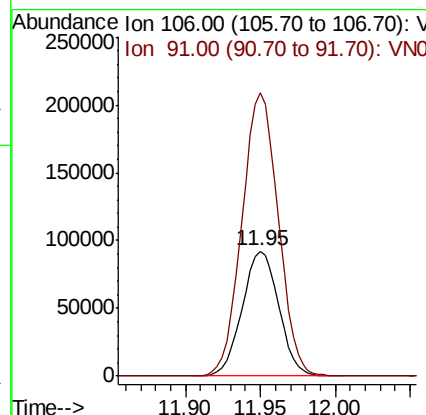
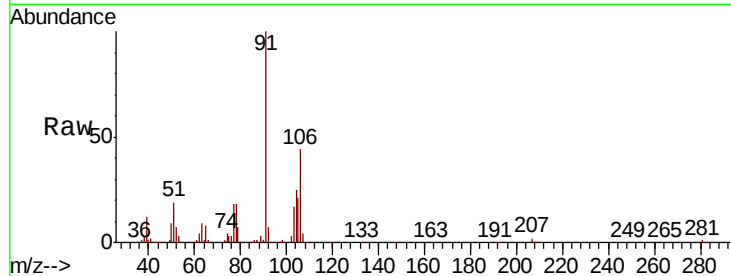
#69
o-Xylene
Concen: 20.182 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	225.7	109.1	327.4	

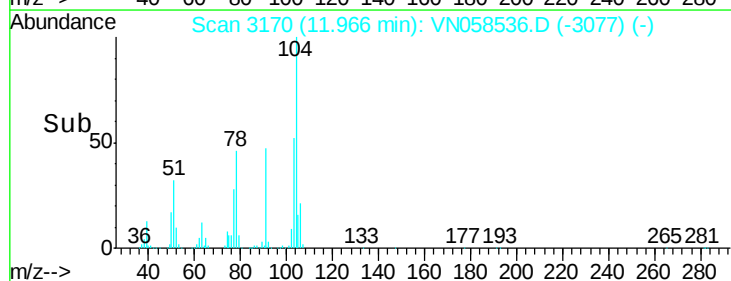
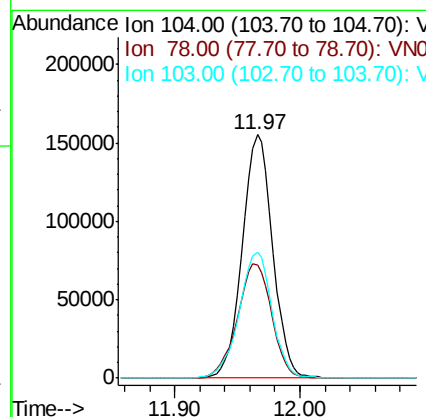
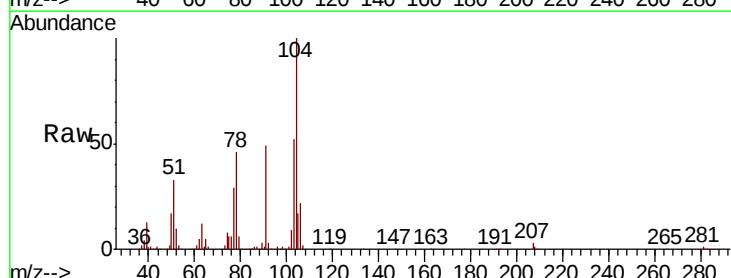
Manual Integrations
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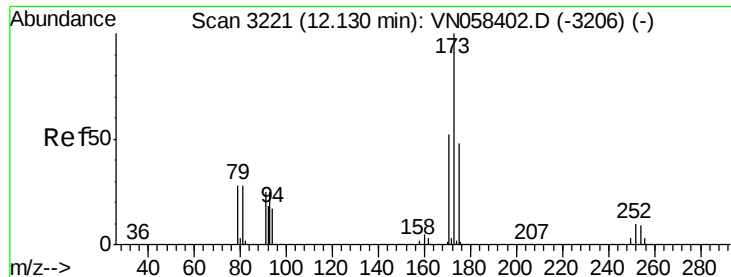
MMDadoda
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#70
Styrene
Concen: 20.636 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.2	42.8	64.2	
103	56.3	43.7	65.5	





#71

Bromoform

Concen: 19.493 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

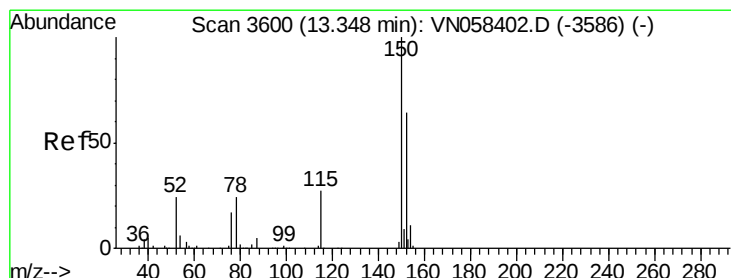
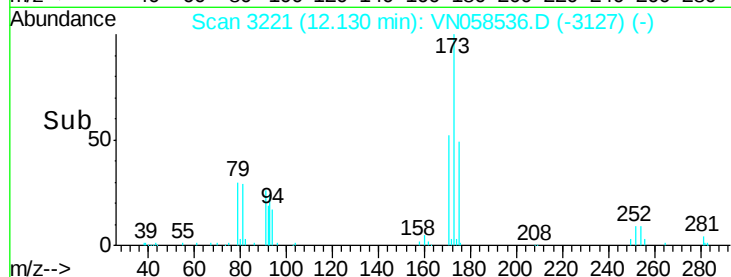
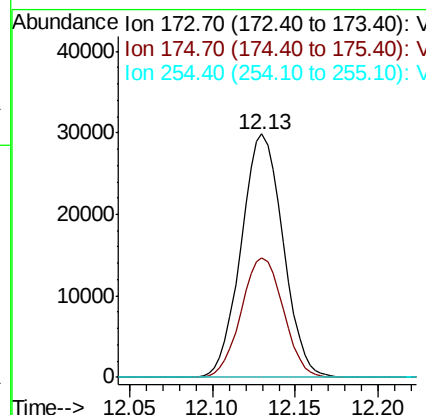
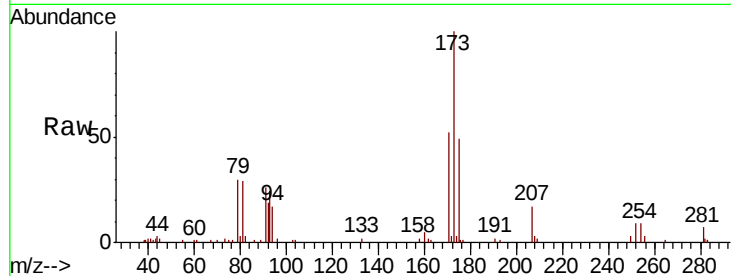
ClientSampleId :

VN1004WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

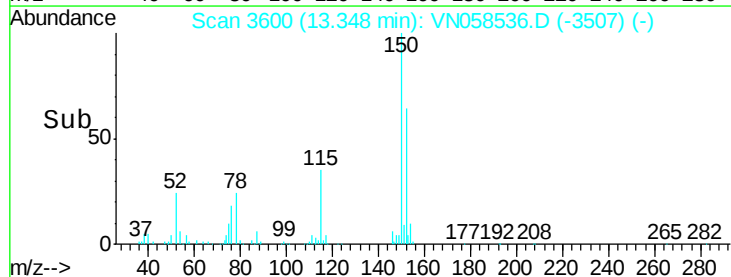
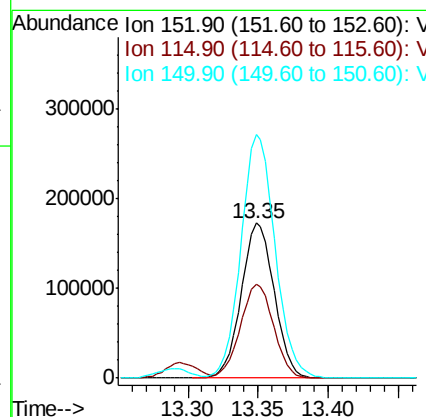
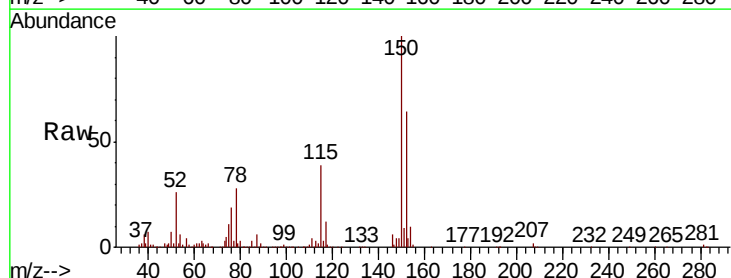
RT: 13.35 min Scan# 3600

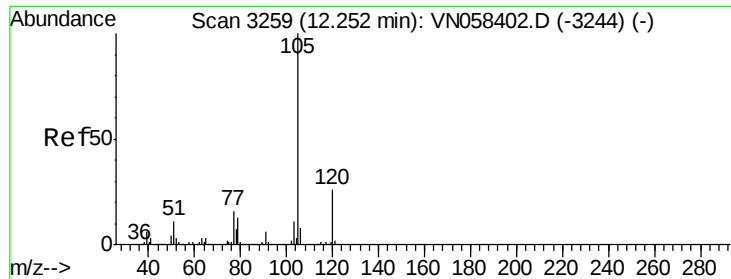
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.0	90.0
150	162.6	0.0	348.2





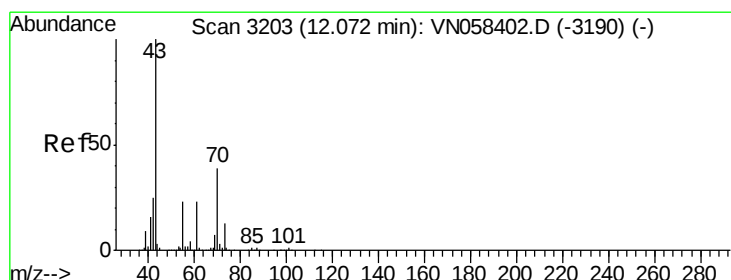
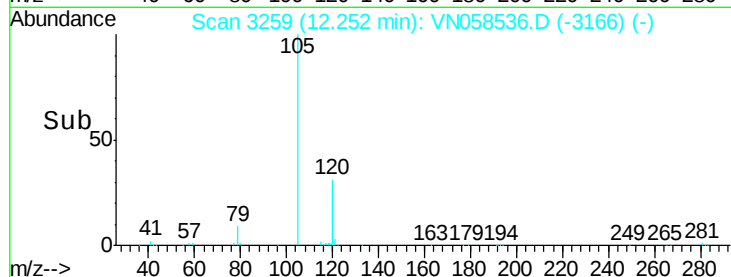
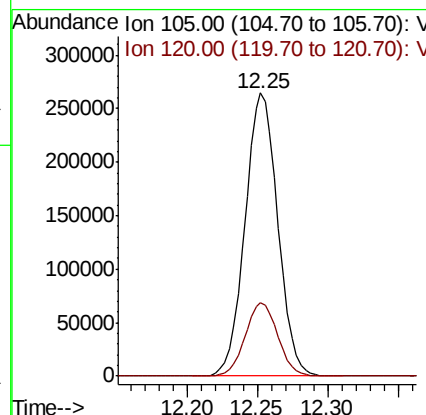
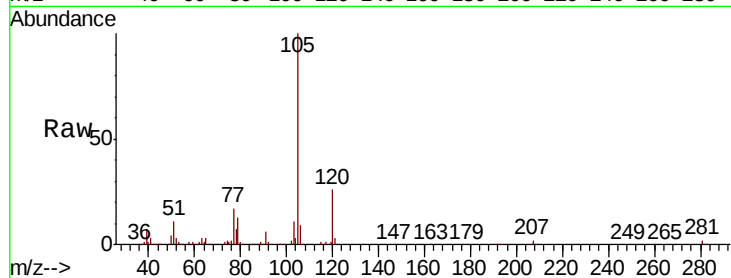
#73
Isopropylbenzene
Concen: 20.585 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

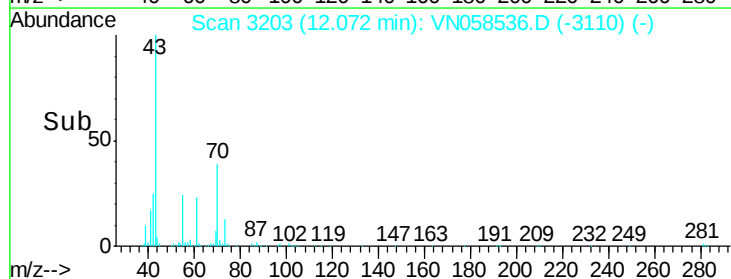
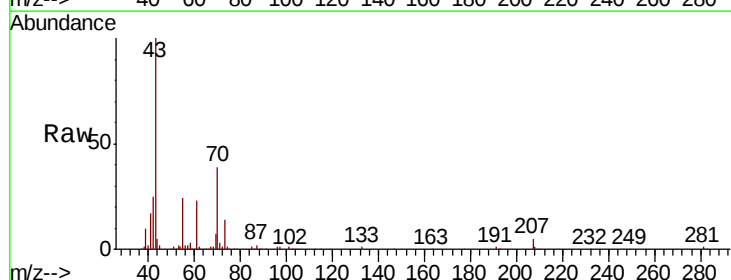
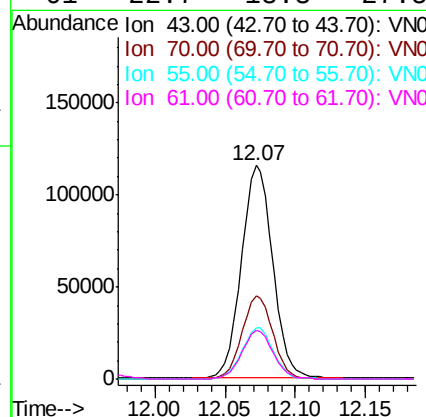
Manual Integrations
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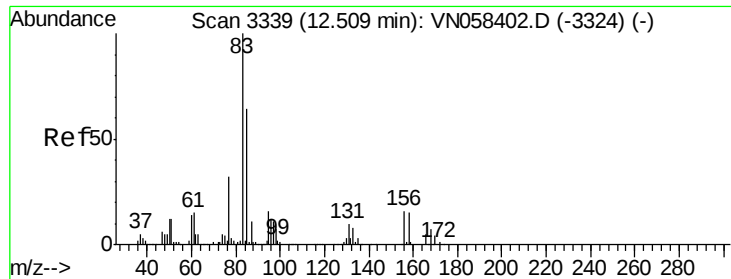
MMDadoda
10/7/2019 12:08:40 PM



#74
N-ethyl acetate
Concen: 21.663 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.4	47.2
55	24.4	18.2	27.4
61	22.7	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.395 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

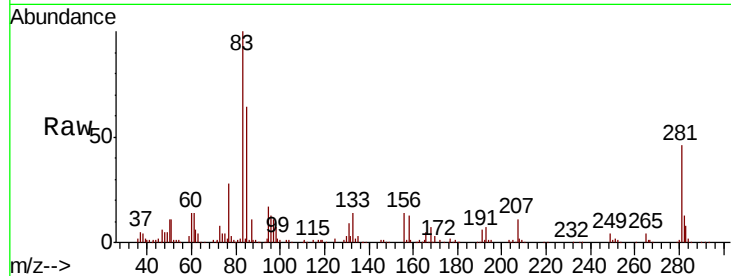
ClientSampled :

VN1004WBS01

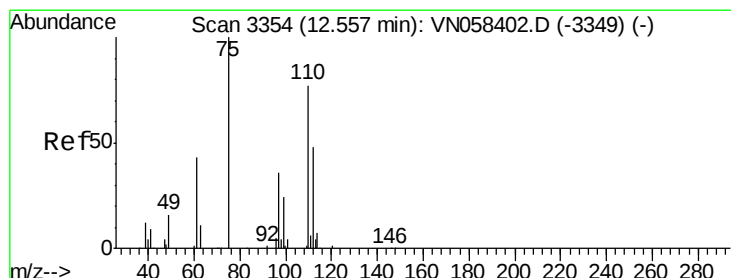
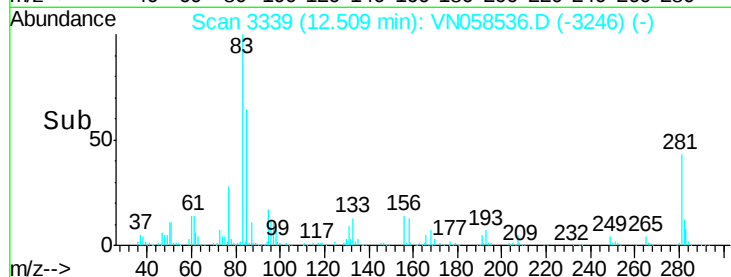
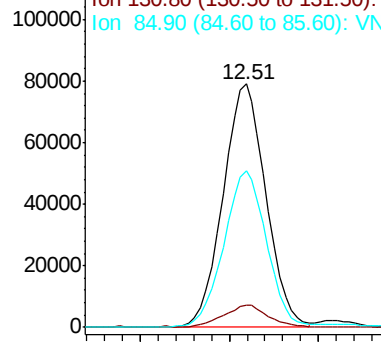
Tot Ion:	83	Resp:	132184
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	66.0	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN058536.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 23.415 ug/l m

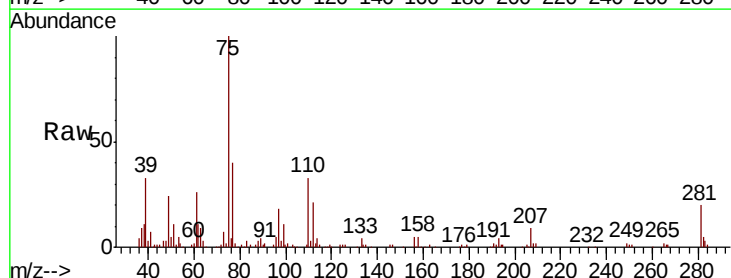
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

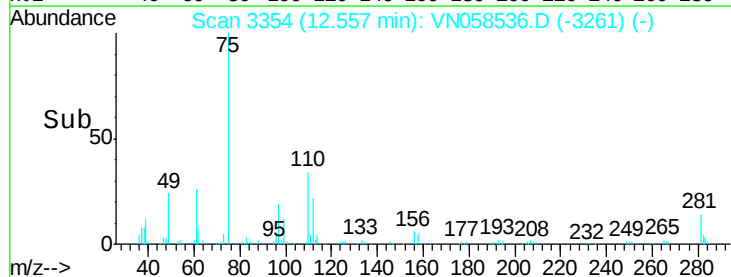
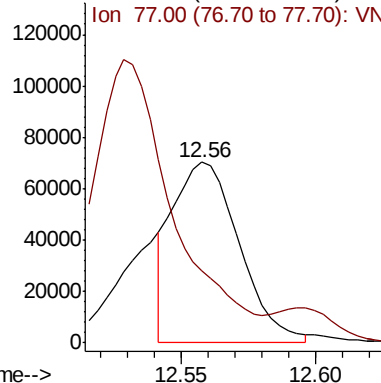
Lab File: VN058536.D

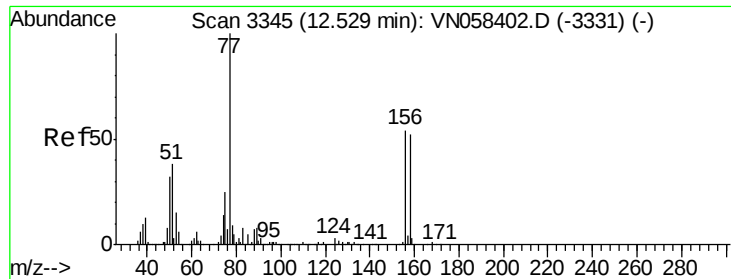
Acq: 4 Oct 2019 13:37

Tgt Ion:	75	Resp:	120911
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058536.D (-3261) (-)





#77

Bromobenzene

Concen: 20.655 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

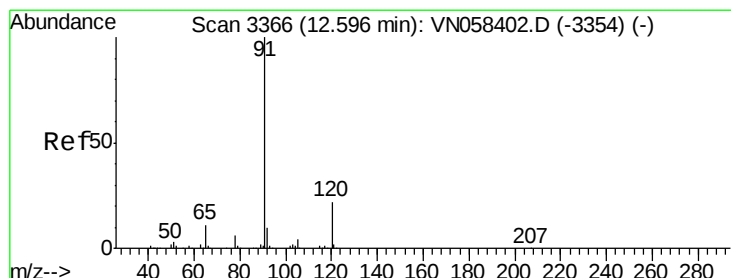
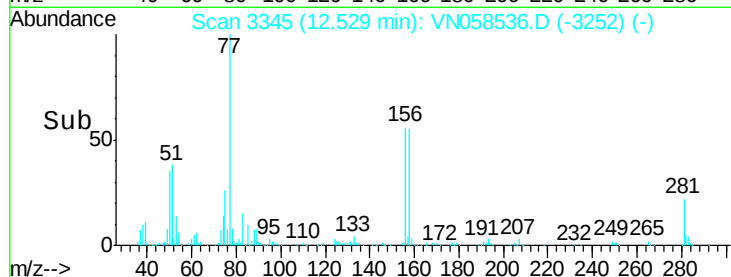
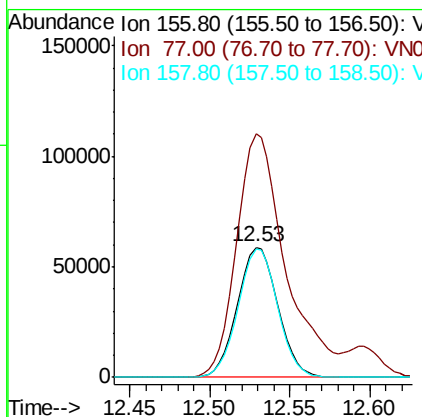
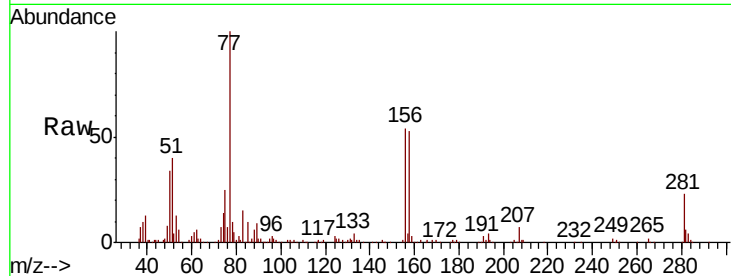
ClientSampleId :

VN1004WBS01

Tot Ion:	156	Resp:	101190
Ion Ratio	Lower	Upper	
156	100		
77	226.7	110.0	330.0
158	96.1	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.434 ug/l

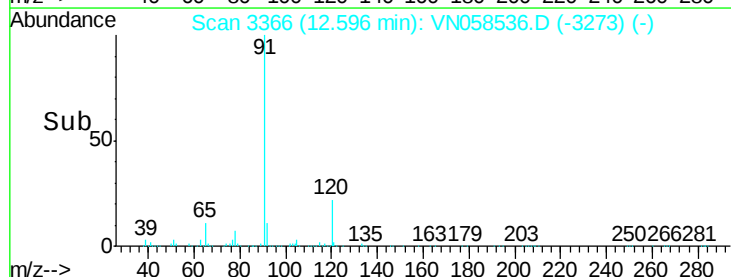
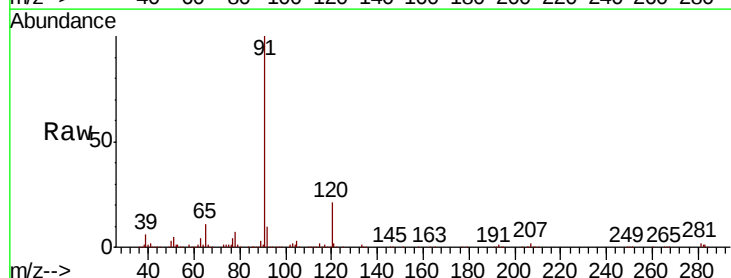
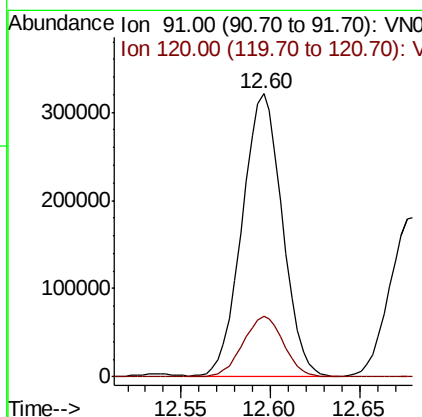
RT: 12.60 min Scan# 3366

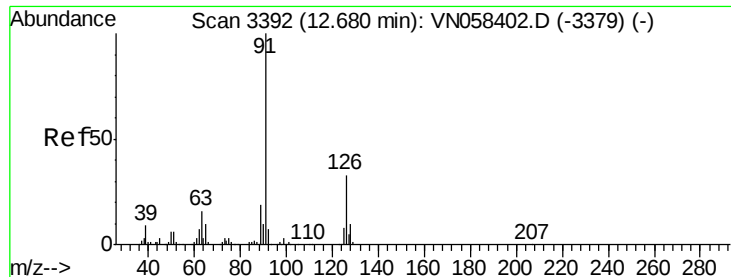
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	91	Resp:	504520
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.9





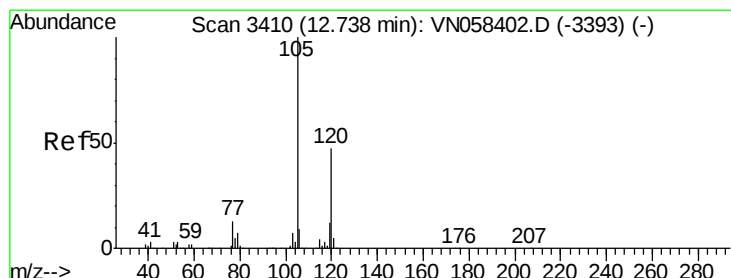
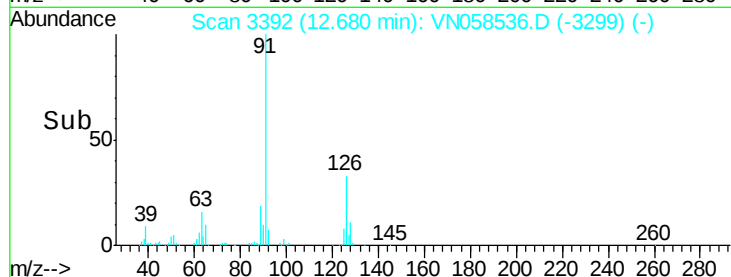
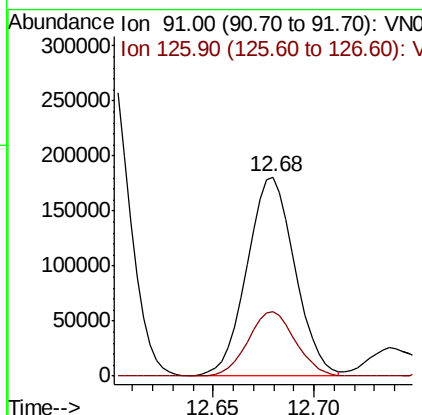
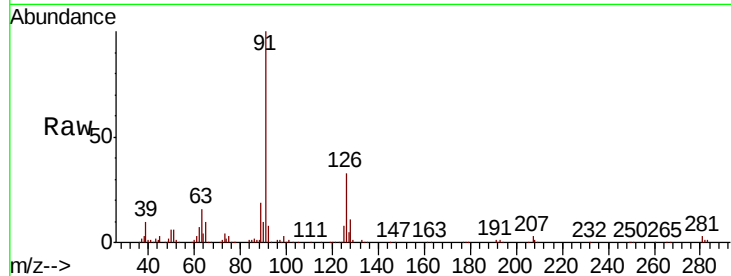
#79
2-Chlorotoluene
Concen: 20.533 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6

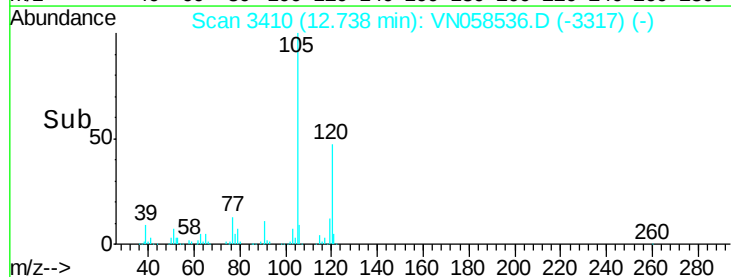
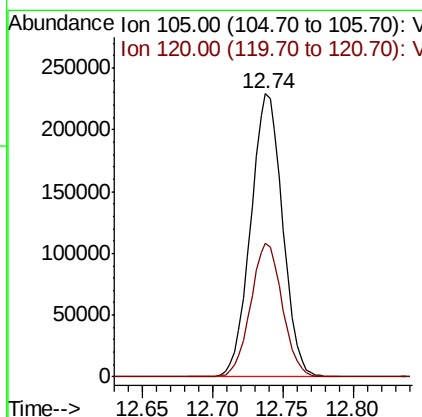
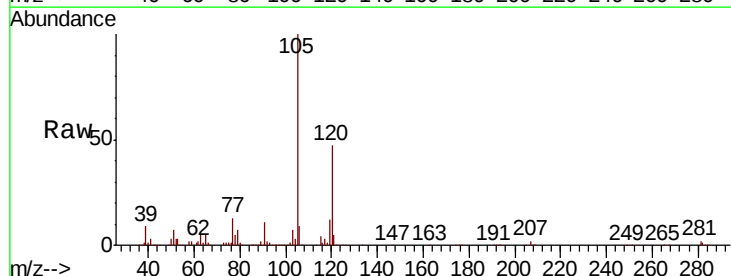
Manual Integrations
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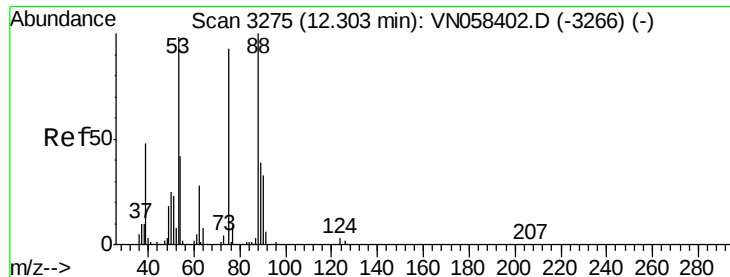
MMDadoda
10/7/2019 12:08:40 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.646 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.6





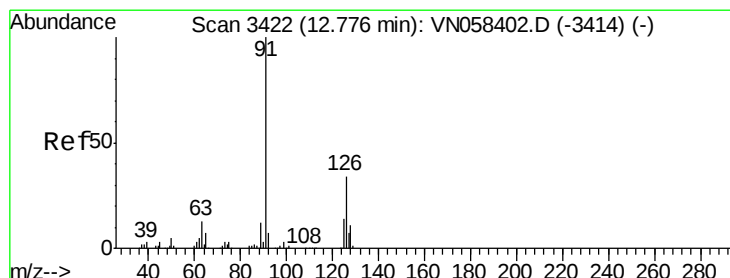
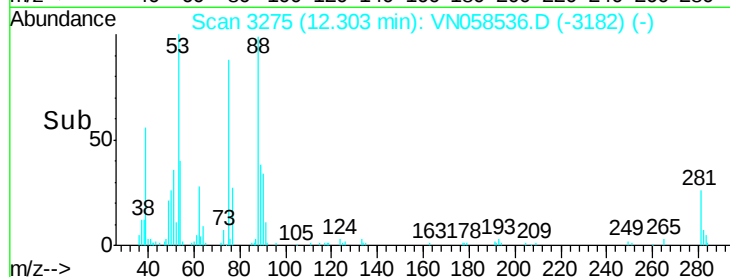
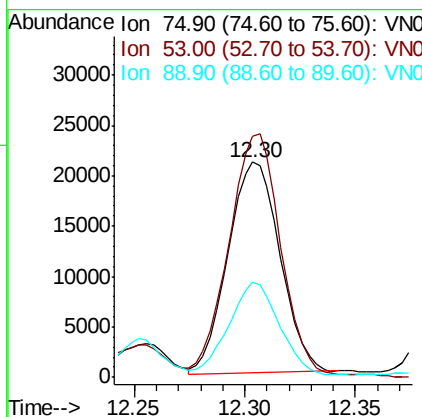
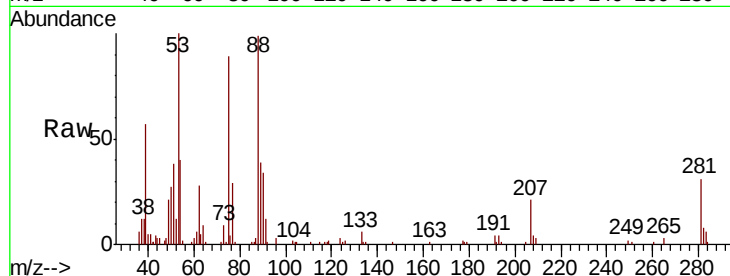
#81
trans-1,4-Dichloro-2-butene
Concen: 20.169 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.3	85.4	128.0
89	43.7	35.0	52.4

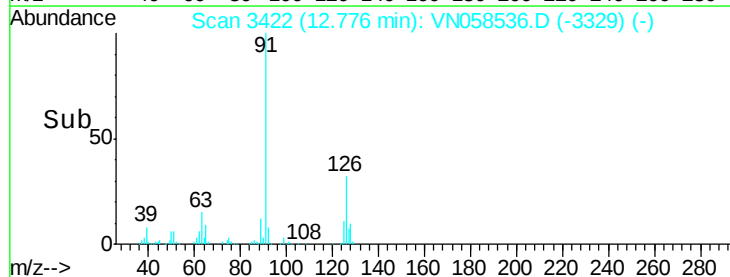
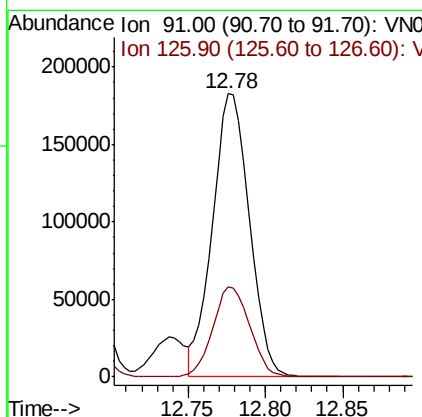
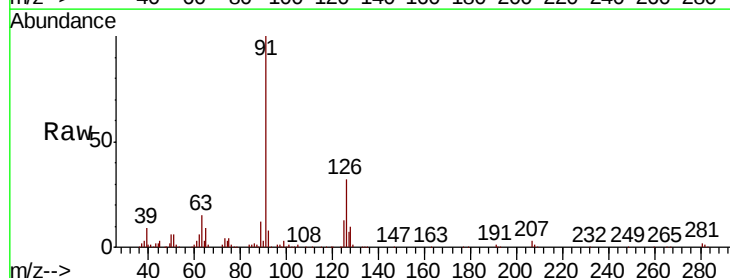
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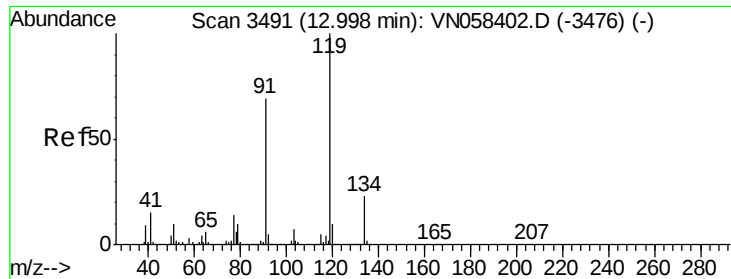
MMDadoda
10/7/2019 12:08:40 PM



#82
4-Chlorotoluene
Concen: 20.421 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.7





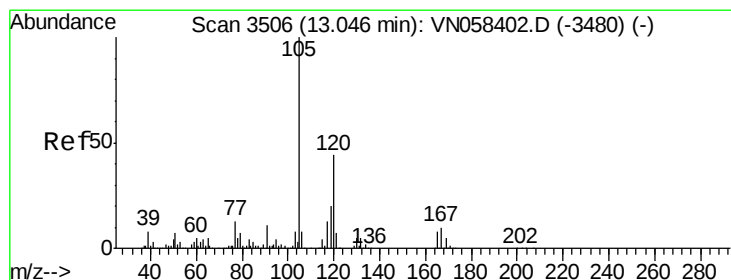
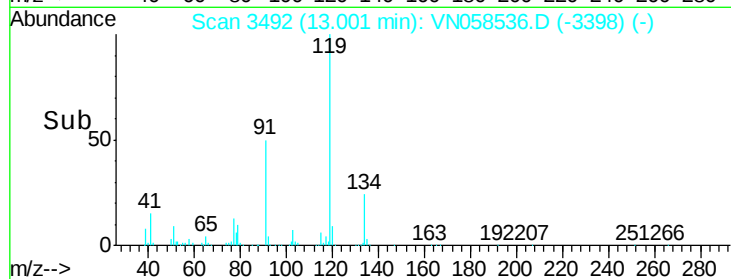
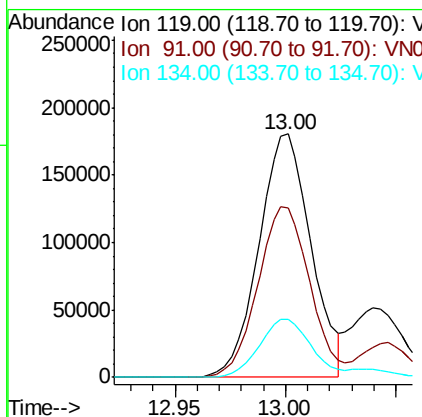
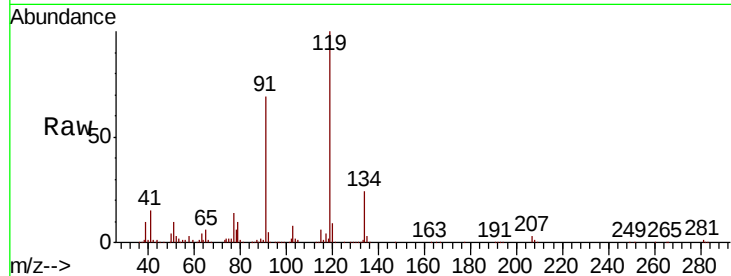
#83
tert-Butylbenzene
Concen: 19.993 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	34.2	102.6
134	24.0	11.6	34.8

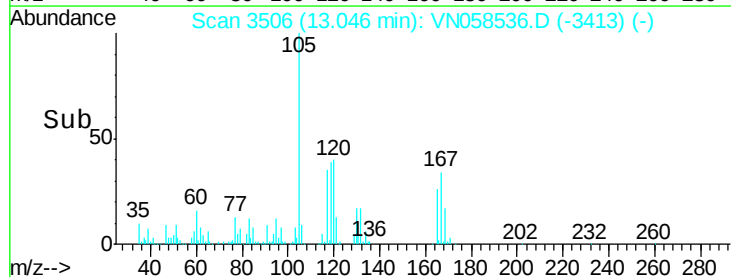
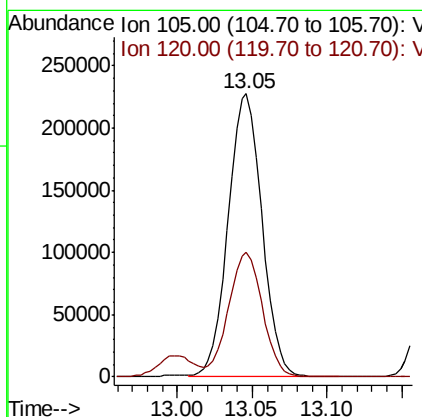
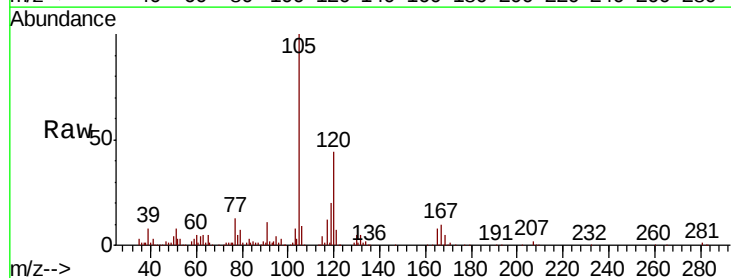
Manual Integrations
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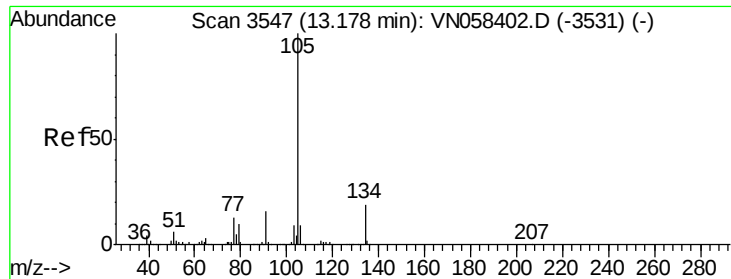
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.420 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.7	65.1





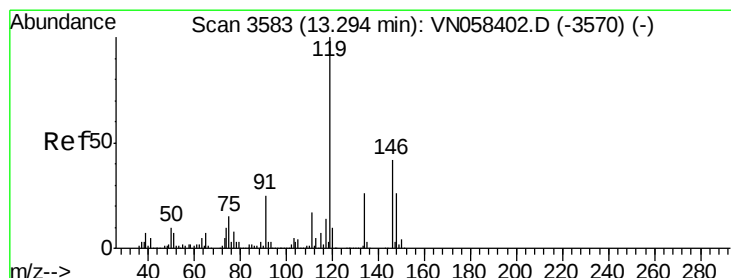
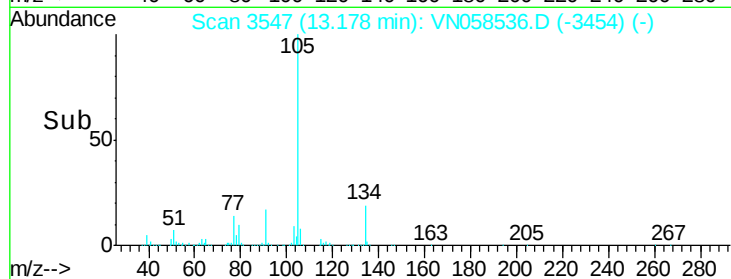
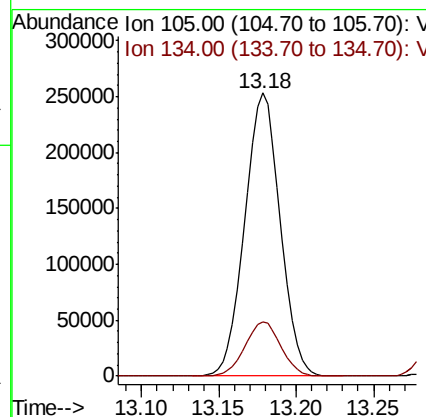
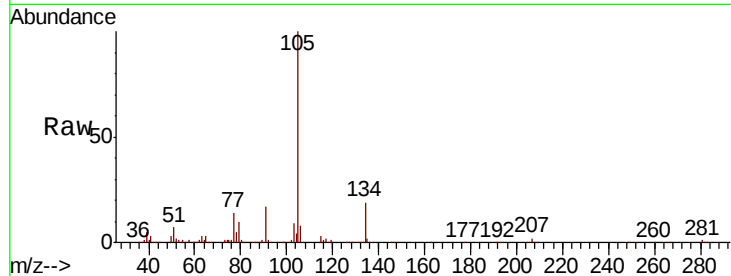
#85
 sec-Butylbenzene
 Concen: 20.708 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	402251		
134	19.2	9.4	28.2	

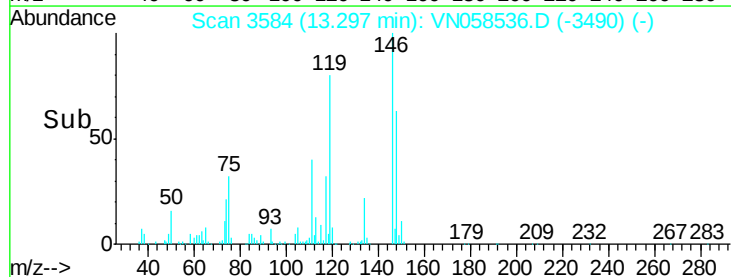
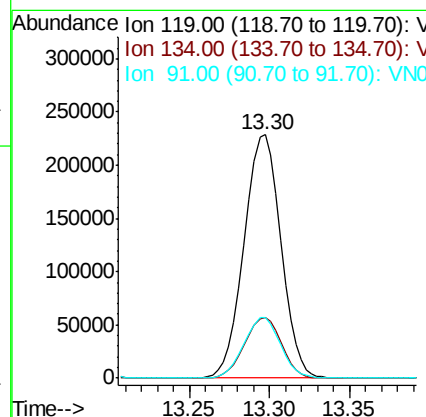
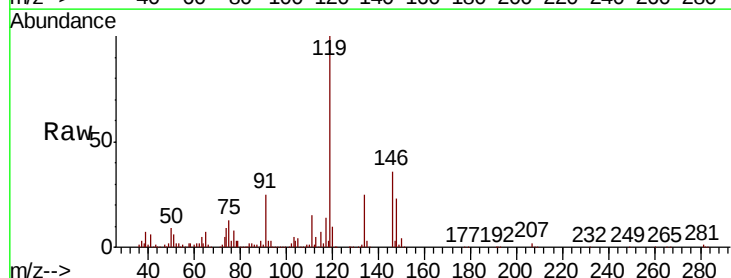
Manual Integrations
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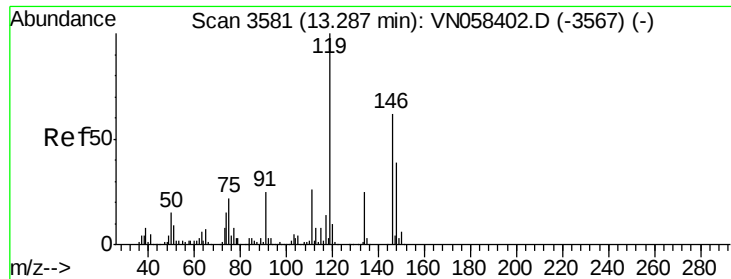
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#86
 p-Isopropyltoluene
 Concen: 20.901 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	357372		
134	25.1	13.0	39.0	
91	24.8	12.4	37.0	





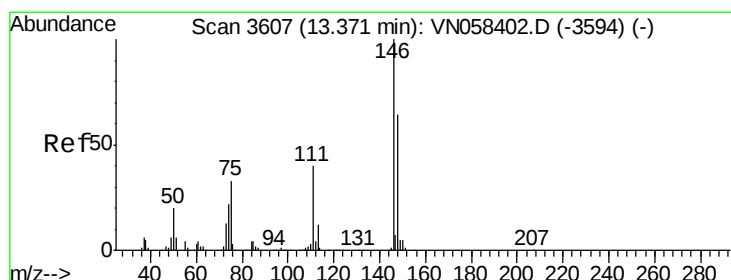
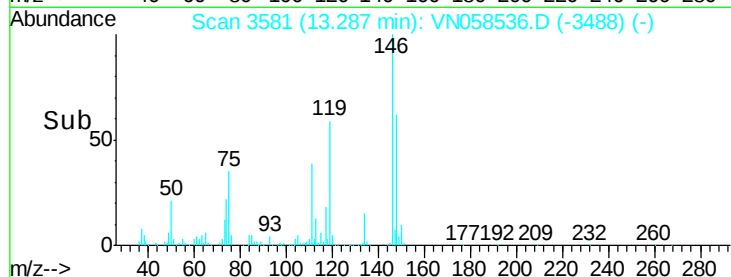
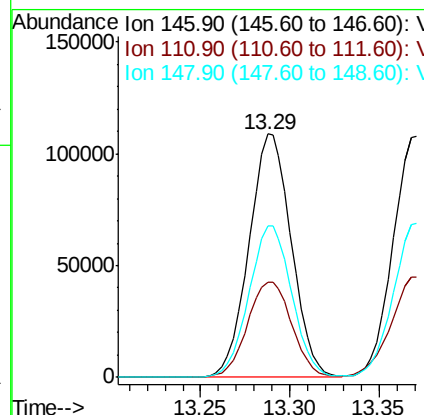
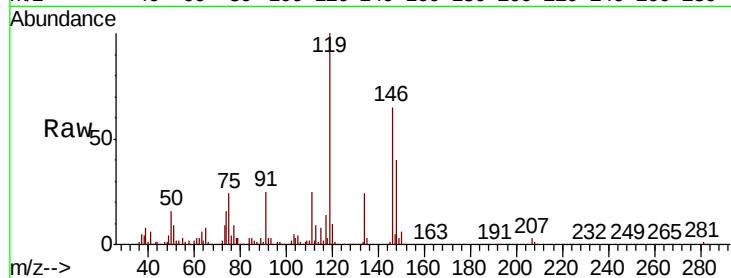
#87
 1,3-Dichlorobenzene
 Concen: 20.325 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.0	31.4	94.3

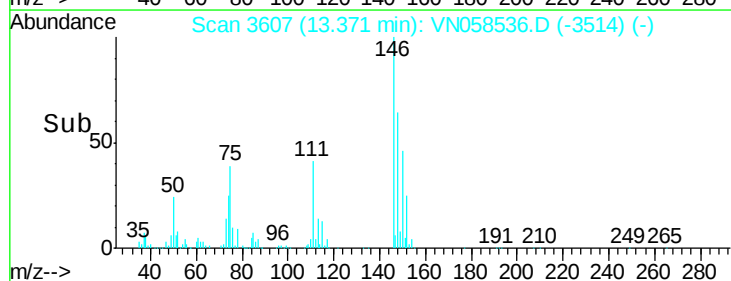
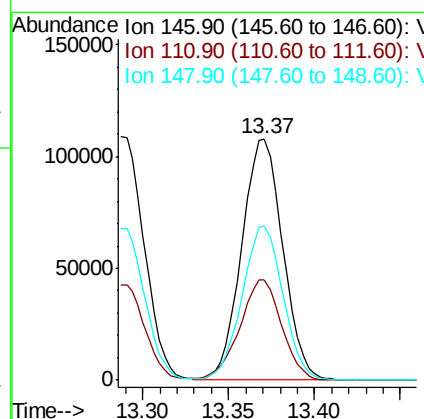
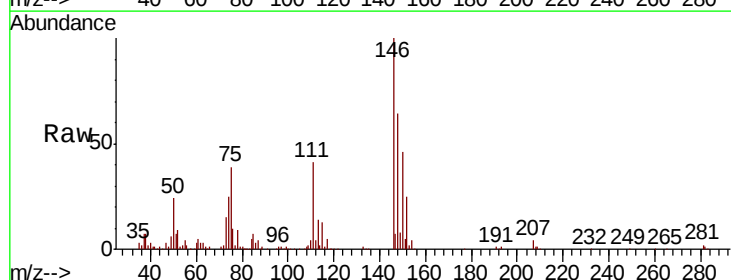
Manual Integrations
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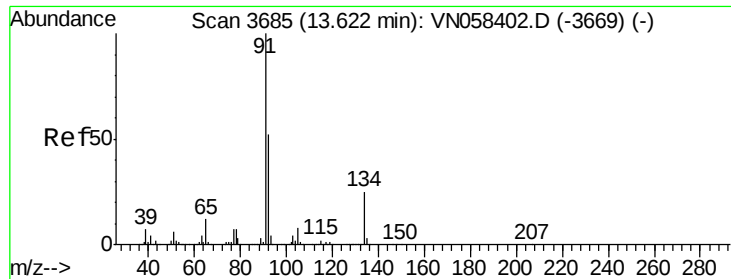
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#88
 1,4-Dichlorobenzene
 Concen: 20.139 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	42.8	20.5	61.6
148	64.3	31.5	94.5





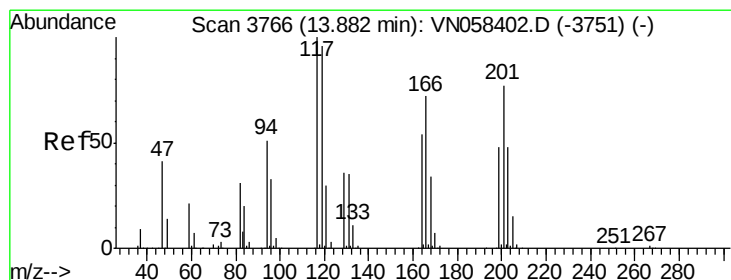
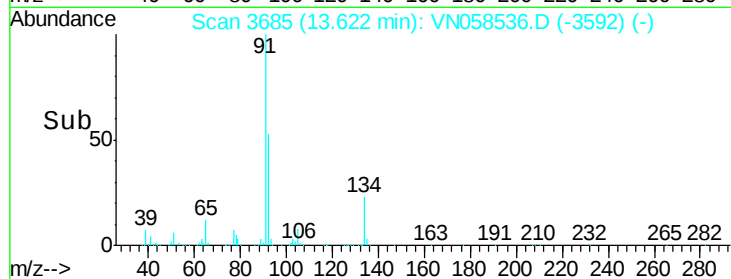
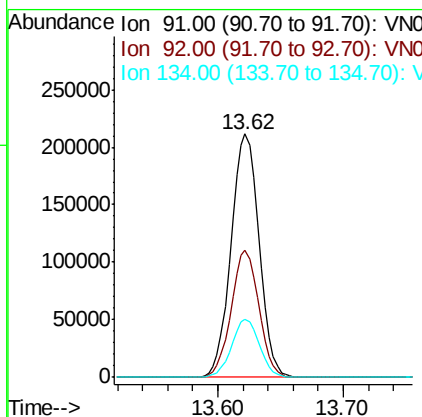
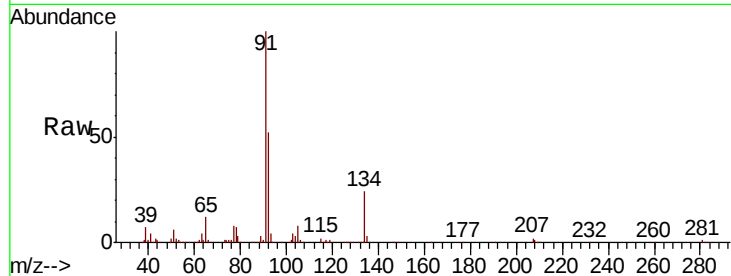
#89
n-Butylbenzene
Concen: 21.200 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.1
134	23.8	12.2	36.6

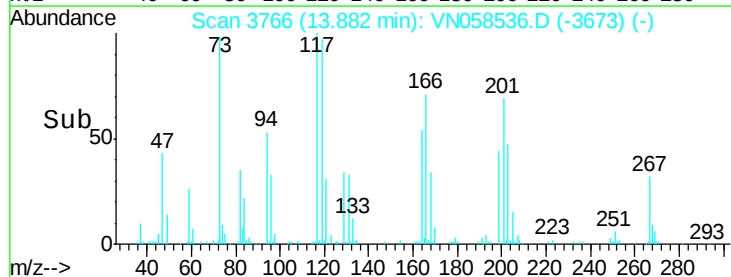
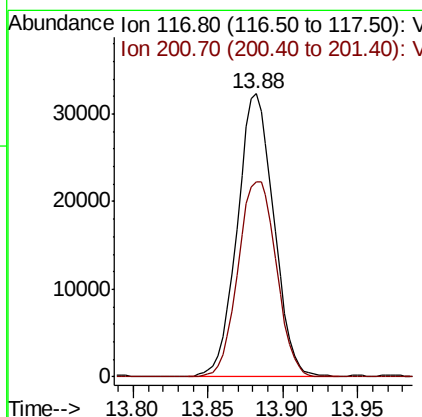
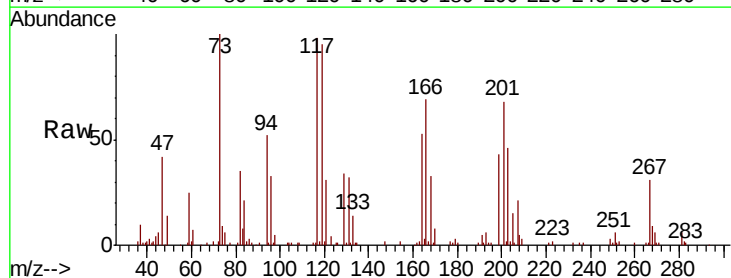
Manual Integrations
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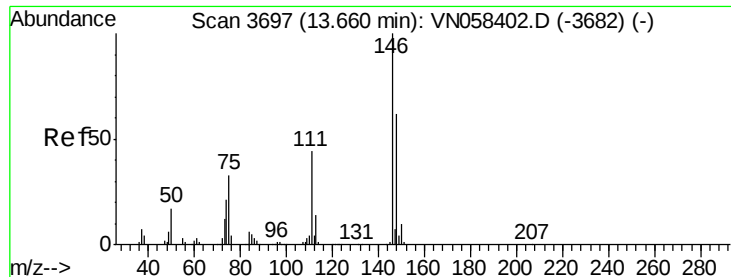
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#90
Hexachloroethane
Concen: 21.425 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	38.6	116.0





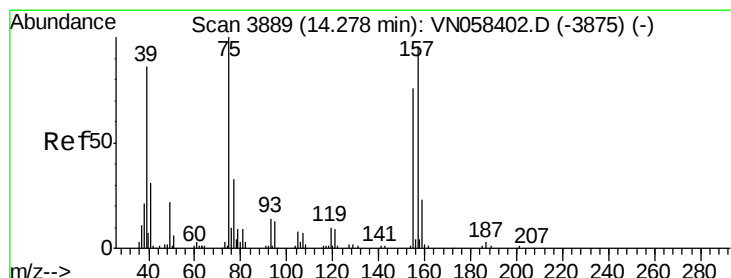
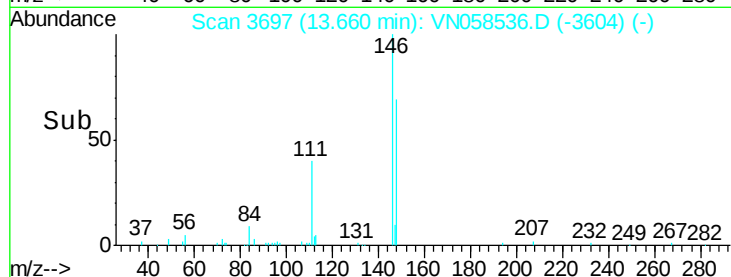
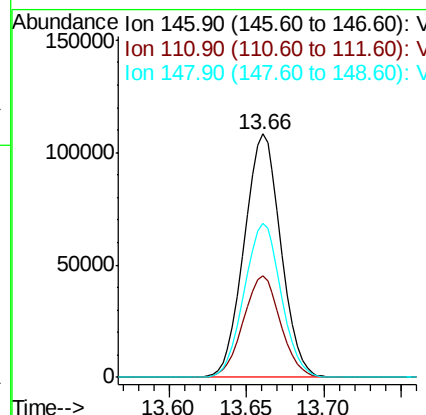
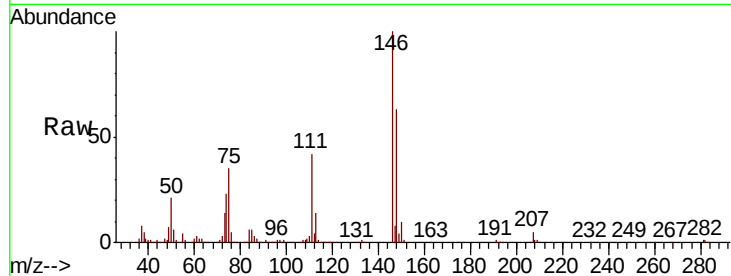
#91
 1,2-Dichlorobenzene
 Concen: 20.934 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.0	31.5	94.5

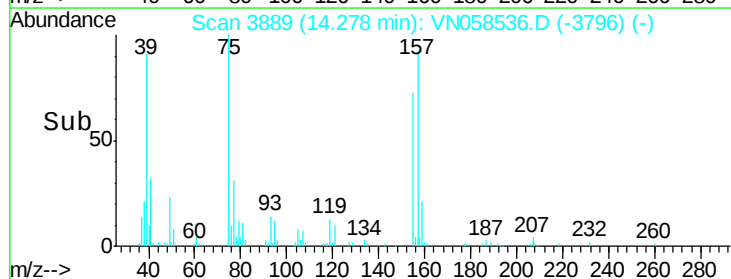
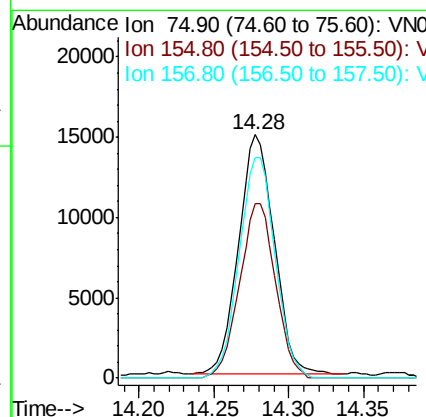
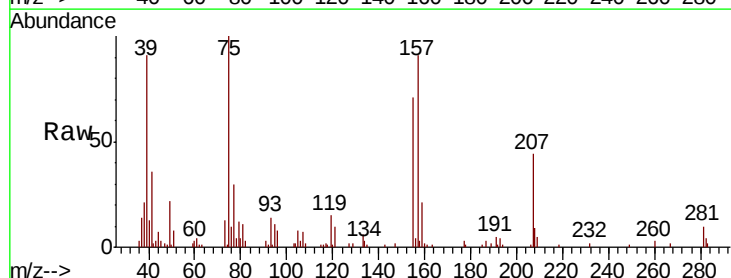
Manual Integrations
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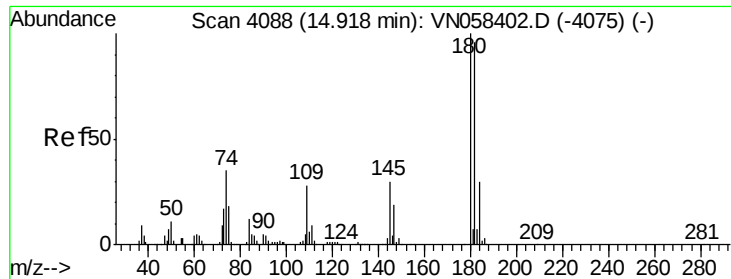
MMDadoda
 10/7/2019 12:08:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.675 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	39.2	117.6
157	93.5	48.7	146.1





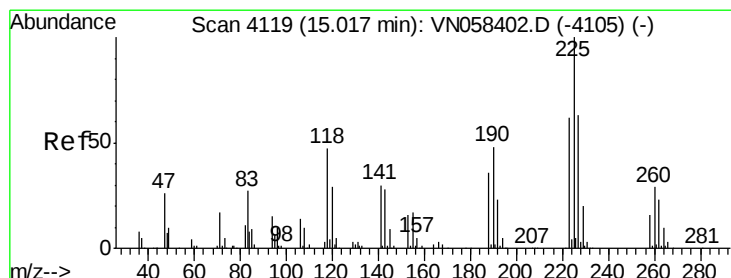
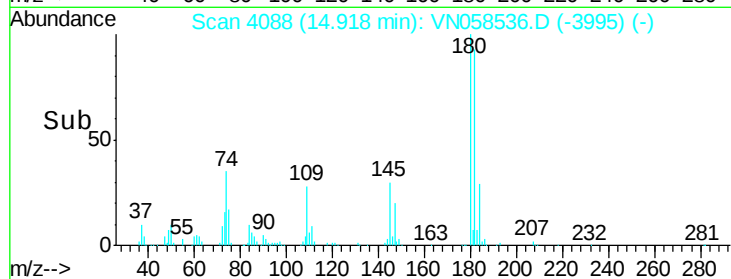
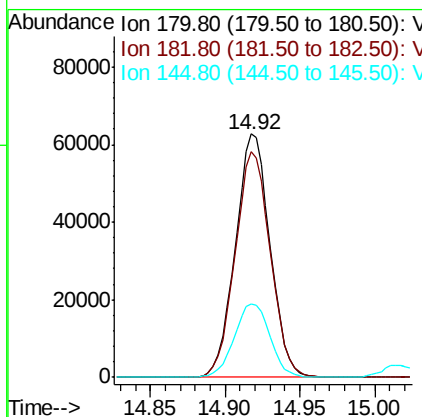
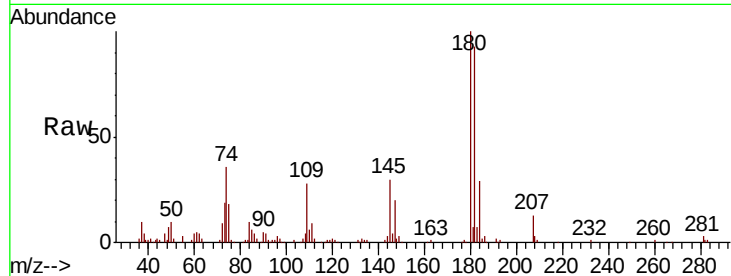
#93
 1,2,4-Trichlorobenzene
 Concen: 21.391 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100891		
182	94.4		47.4	142.3
145	31.1		15.3	45.9

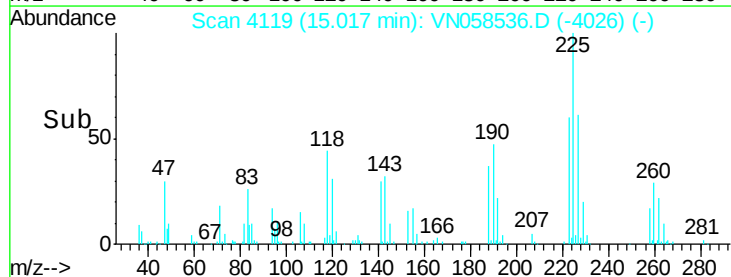
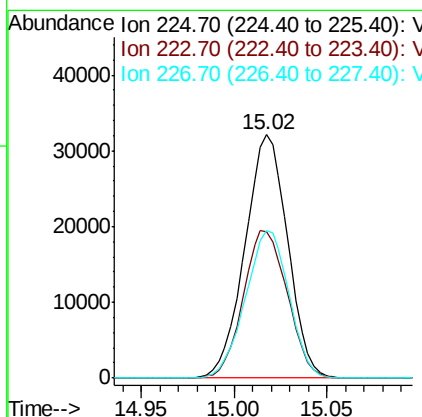
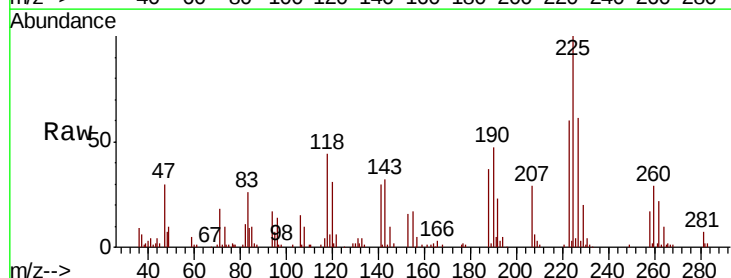
Manual Integrations
 APPROVED

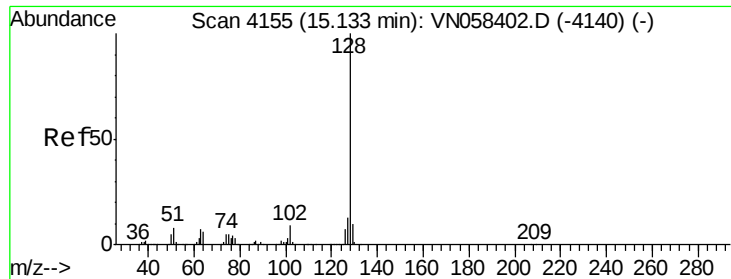
MMDadoda
 10/7/2019 12:08:40 PM



#94
 Hexachlorobutadiene
 Concen: 21.205 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51406		
223	62.5		31.1	93.5
227	61.5		31.4	94.2





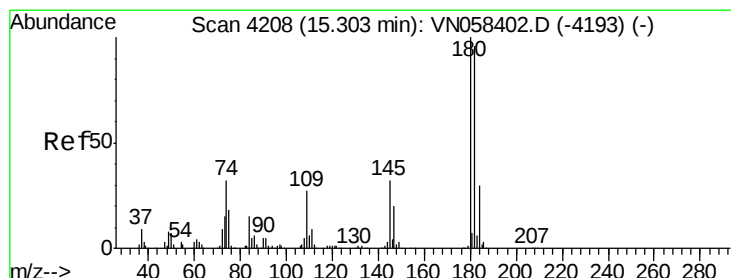
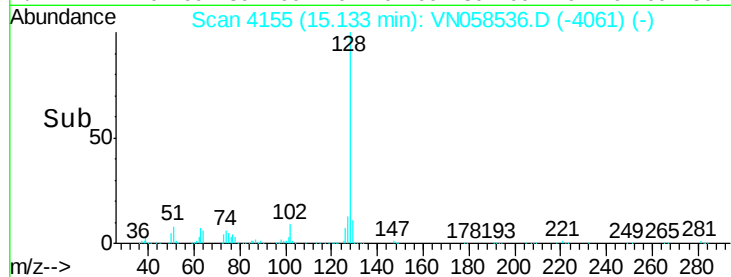
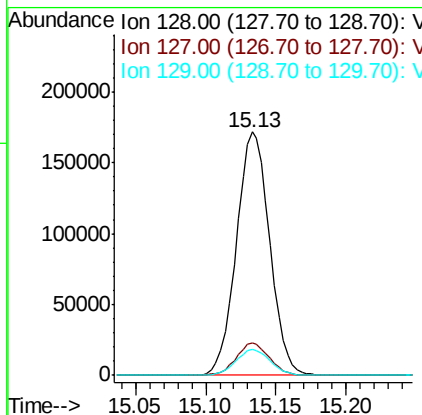
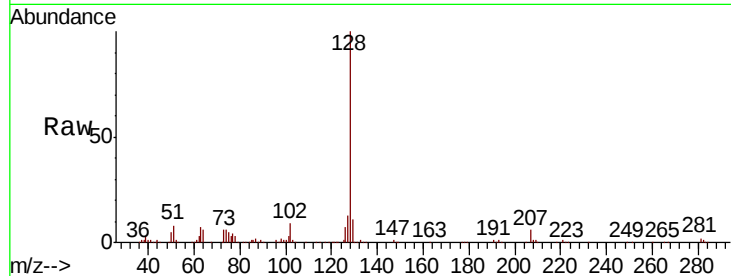
#95
Naphthalene
Concen: 20.512 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:08:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.517 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.3	144.9
145	32.8	16.1	48.3

