

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058412.D
 Acq On : 27 Sep 2019 16:51
 Operator : JC/SP
 Sample : VN0927WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:52 AM

Quant Time: Sep 30 08:24:22 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	445620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	755445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331162	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	7.58	113	236362	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.09	98	935381	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.41	95	329905	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	99453	20.354	ug/l	99
3) Chloromethane	2.04	50	110118	20.499	ug/l	100
4) Vinyl Chloride	2.17	62	107350	20.400	ug/l	99
5) Bromomethane	2.55	94	58555	20.949	ug/l	98
6) Chloroethane	2.69	64	65391	20.739	ug/l	98
7) Trichlorofluoromethane	3.00	101	128442	20.226	ug/l	99
8) Diethyl Ether	3.39	74	54751	19.983	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89434	20.737	ug/l	98
10) Methyl Iodide	3.93	142	99630	20.834	ug/l	98
11) Tert butyl alcohol	4.75	59	83320	115.173	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	85240	20.277	ug/l	100
13) Acrolein	3.59	56	33568	145.888	ug/l	98
14) Allyl chloride	4.30	41	152878	19.984	ug/l	98
15) Acrylonitrile	4.96	53	226542	107.447	ug/l	99
16) Acetone	3.80	43	231655	104.355	ug/l	99
17) Carbon Disulfide	4.03	76	220297	19.880	ug/l	100
18) Methyl Acetate	4.30	43	110524	19.796	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	298366	20.116	ug/l	98
20) Methylene Chloride	4.53	84	100715	19.660	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	93208	19.939	ug/l	99
22) Diisopropyl ether	5.93	45	332274	20.184	ug/l	96
23) Vinyl Acetate	5.87	43	1354249	109.100	ug/l	100
24) 1,1-Dichloroethane	5.83	63	187131	20.198	ug/l	99
25) 2-Butanone	6.82	43	327292	107.385	ug/l	100
26) 2,2-Dichloropropane	6.81	77	150597	19.771	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	111090	20.333	ug/l	98
28) Bromochloromethane	7.18	49	76662	20.700	ug/l	98
29) Tetrahydrofuran	7.19	42	205724	106.349	ug/l	99
30) Chloroform	7.36	83	187624	19.984	ug/l	99
31) Cyclohexane	7.64	56	181259	20.112	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157860	20.475	ug/l	99
36) 1,1-Dichloropropene	7.78	75	144547	20.011	ug/l	100
37) Ethyl Acetate	6.91	43	130002	21.227	ug/l	99
38) Carbon Tetrachloride	7.76	117	132866	20.377	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	171480	20.328	ug/l	98
40) Benzene	8.03	78	424270	20.433	ug/l	100
41) Methacrylonitrile	7.16	41	54935m	19.498	ug/l	
42) 1,2-Dichloroethane	8.11	62	163095	20.189	ug/l	99
43) Isopropyl Acetate	8.15	43	223211	19.382	ug/l #	90
44) Trichloroethene	8.82	130	103937	20.273	ug/l	97
45) 1,2-Dichloropropane	9.11	63	113875	20.449	ug/l	97
46) Dibromomethane	9.20	93	71822	20.366	ug/l	98
47) Bromodichloromethane	9.39	83	138004	20.654	ug/l	98
48) Methyl methacrylate	9.19	41	108494	20.689	ug/l	99
49) 1,4-Dioxane	9.19	88	37433	533.845	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	669888	113.240	ug/l	99
52) Toluene	10.15	92	258270	19.762	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	148951	20.481	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	166005	20.563	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	99507	20.910	ug/l	98
56) Ethyl methacrylate	10.43	69	151856	21.030	ug/l	98
57) 1,3-Dichloropropane	10.71	76	177152	20.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	300055	104.210	ug/l	100
59) 2-Hexanone	10.75	43	489096	113.545	ug/l	100
60) Dibromochloromethane	10.90	129	94637	18.860	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100420	20.652	ug/l	99
64) Tetrachloroethene	10.63	164	84803	19.702	ug/l	98
65) Chlorobenzene	11.44	112	274554	20.387	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	94737	20.879	ug/l	99
67) Ethyl Benzene	11.51	91	507102	20.789	ug/l	99
68) m/p-Xylenes	11.62	106	368970	40.204	ug/l	97
69) o-Xylene	11.95	106	176669	19.997	ug/l	97
70) Styrene	11.97	104	295300	20.575	ug/l	99
71) Bromoform	12.13	173	59165	19.301	ug/l #	97
73) Isopropylbenzene	12.25	105	487584	21.189	ug/l	99
74) N-amyl acetate	12.07	43	194233	21.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143213	21.047	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	117928m	20.735	ug/l	
77) Bromobenzene	12.53	156	109909	20.370	ug/l	98
78) n-propylbenzene	12.60	91	561118	21.644	ug/l	100
79) 2-Chlorotoluene	12.68	91	332912	20.805	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	409060	21.236	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36039	19.246	ug/l	88
82) 4-Chlorotoluene	12.78	91	335593	20.553	ug/l	99
83) tert-Butylbenzene	13.00	119	342896	21.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	404269	20.947	ug/l	98
85) sec-Butylbenzene	13.18	105	461328	21.564	ug/l	99
86) p-Isopropyltoluene	13.29	119	410622	21.805	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	200940	20.538	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	194268	19.957	ug/l	96
89) n-Butylbenzene	13.62	91	356912	20.923	ug/l	100
90) Hexachloroethane	13.88	117	61465	21.723	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	196544	20.908	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25936	21.615	ug/l	97

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Instrument :
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ClientSampleId :
VN0927WBS01

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.92	180	109103	21.003	ug/l	99
94) Hexachlorobutadiene	15.02	225	52913	19.818	ug/l	98
95) Naphthalene	15.13	128	293648	19.285	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	101046	19.386	ug/l	99

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

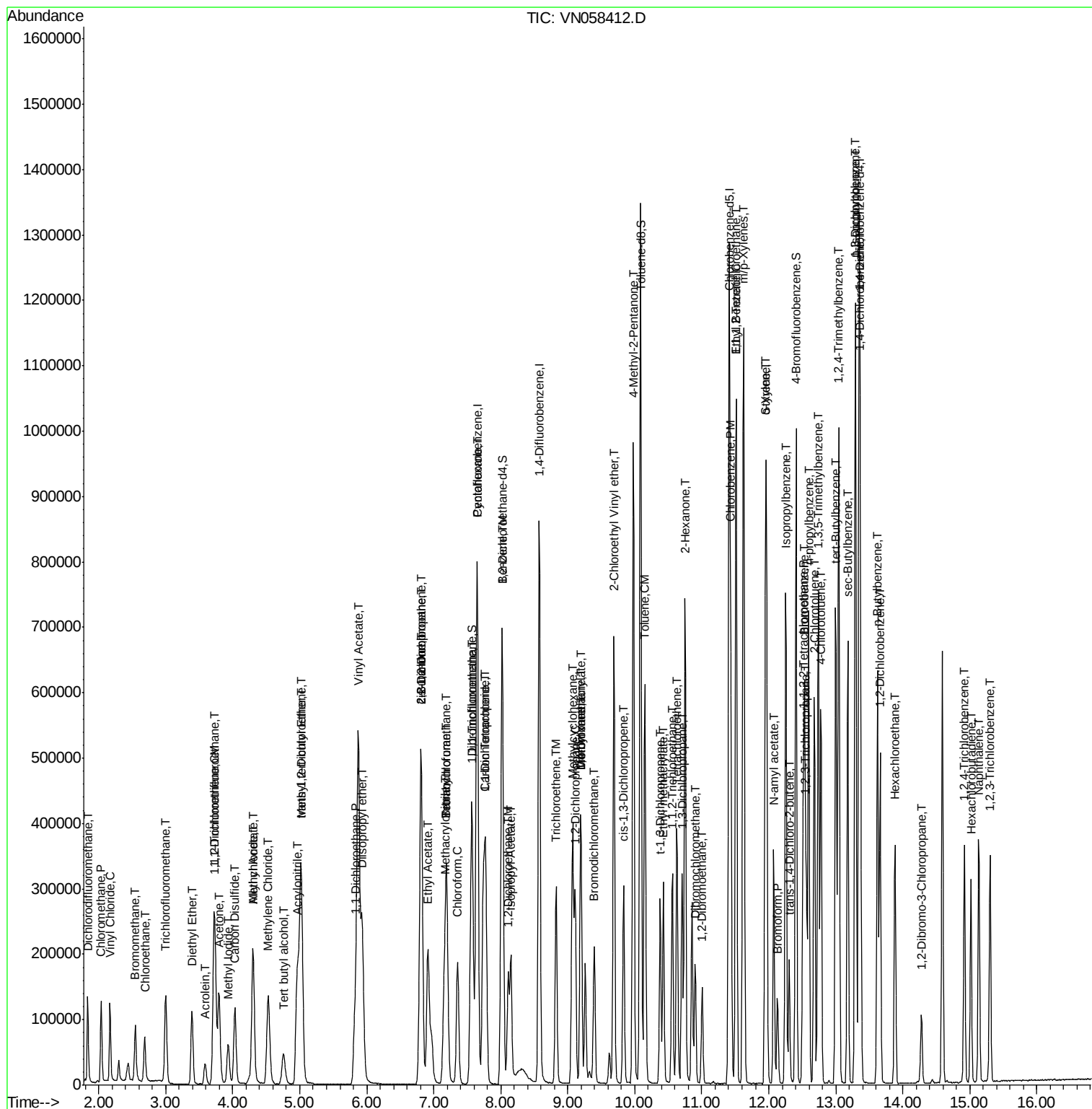
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 Data File : VN058412.D
 Acq On : 27 Sep 2019 16:51
 Operator : JC/SP
 Sample : VN0927WBS01
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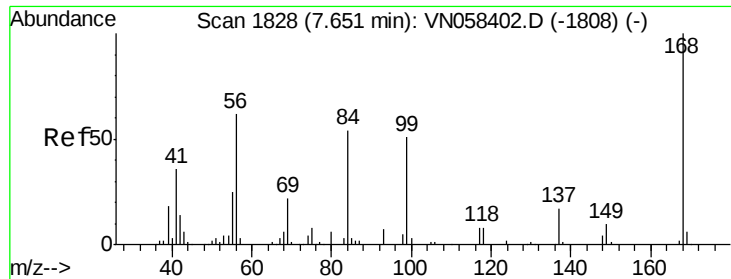
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0927WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion:168 Resp: 445620

Ion Ratio Lower Upper

168 100

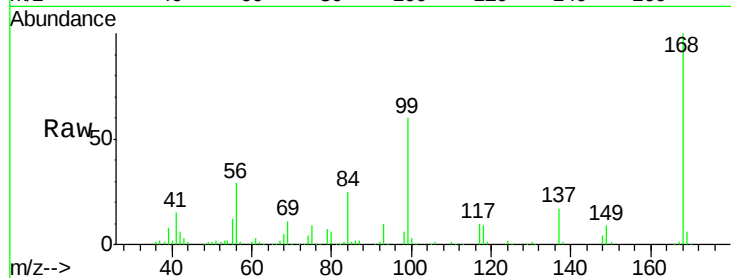
99 59.3 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.65

200000

150000

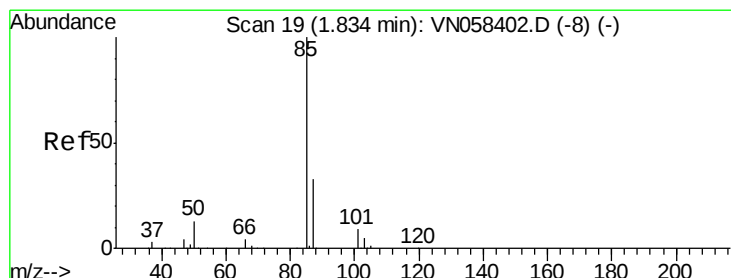
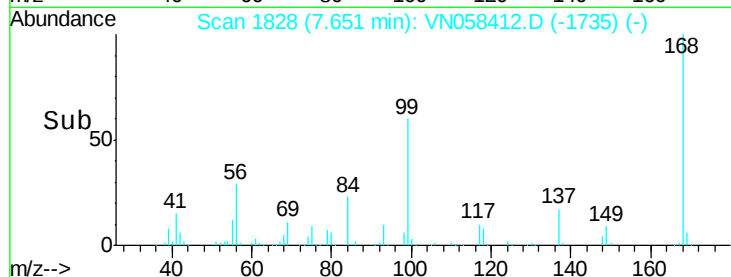
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.354 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058412.D

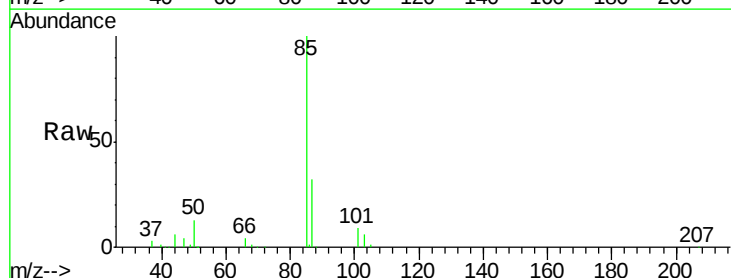
Acq: 27 Sep 2019 16:51

Tgt Ion: 85 Resp: 99453

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.83

80000

60000

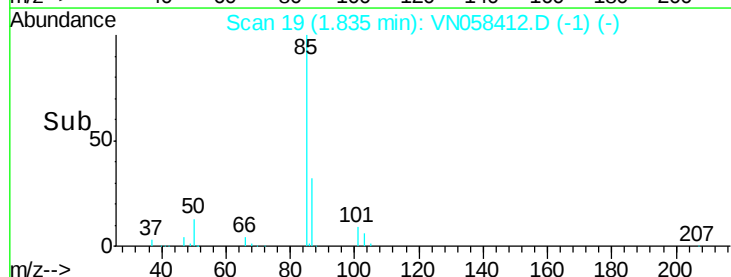
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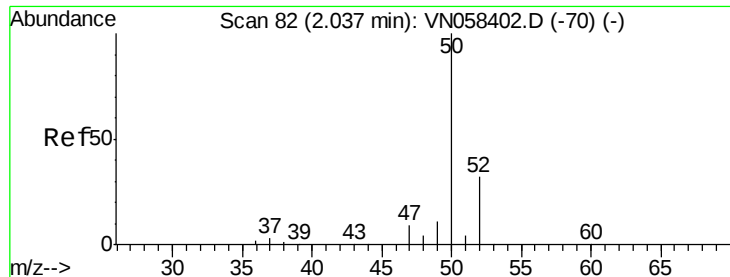
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.499 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 50 Resp: 110118

Ion Ratio Lower Upper

50 100

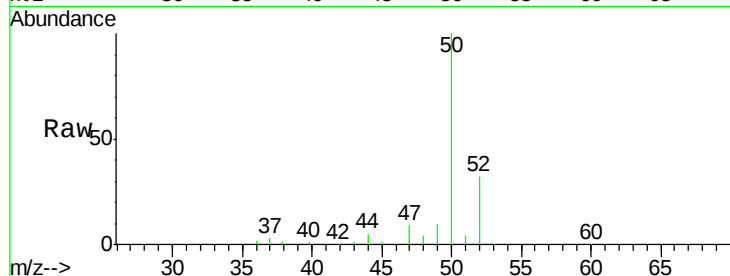
52 32.4 25.9 38.9

Manual Integrations

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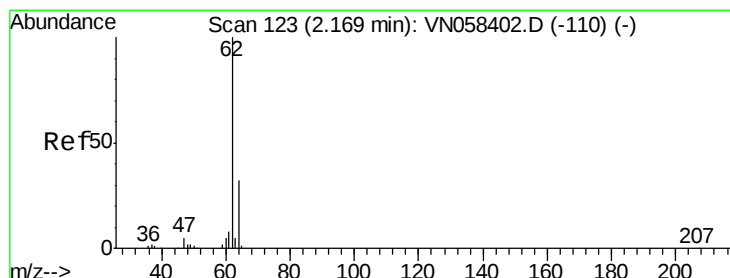
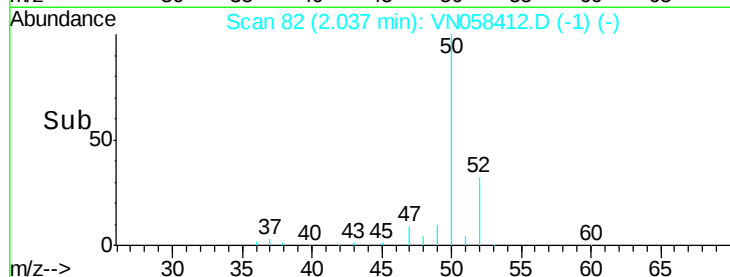
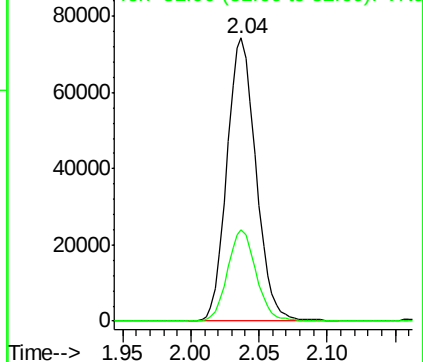
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.400 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058412.D

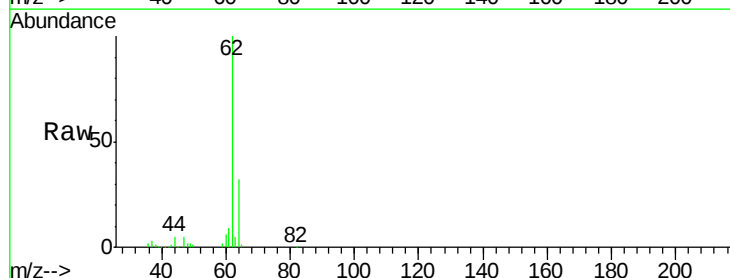
Acq: 27 Sep 2019 16:51

Tgt Ion: 62 Resp: 107350

Ion Ratio Lower Upper

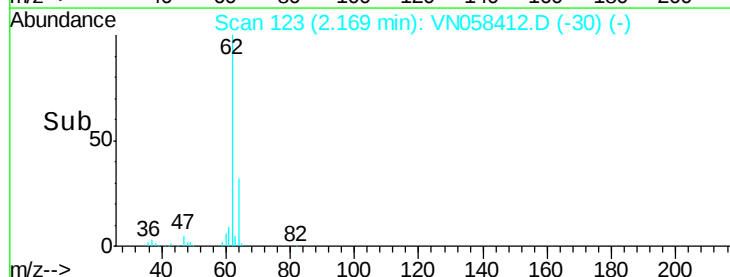
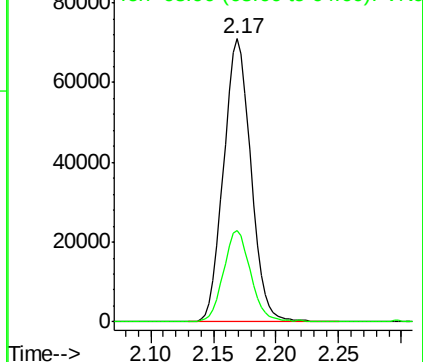
62 100

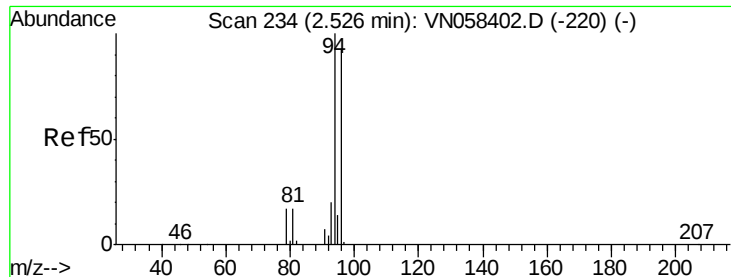
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.949 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 94 Resp: 58555

Ion Ratio Lower Upper

94 100

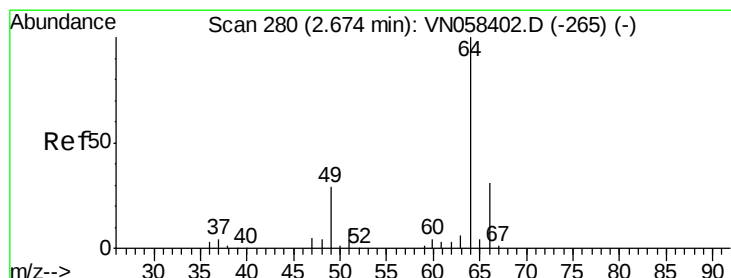
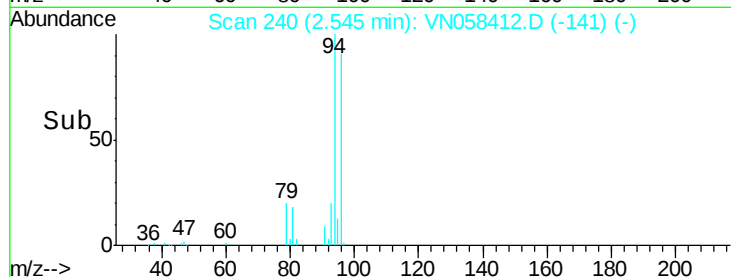
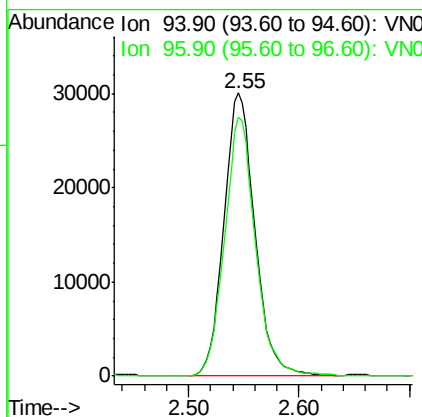
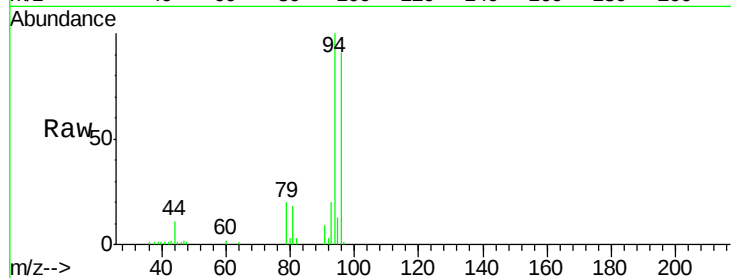
96 91.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 20.739 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058412.D

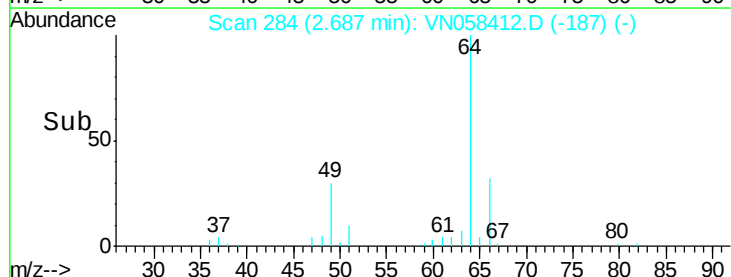
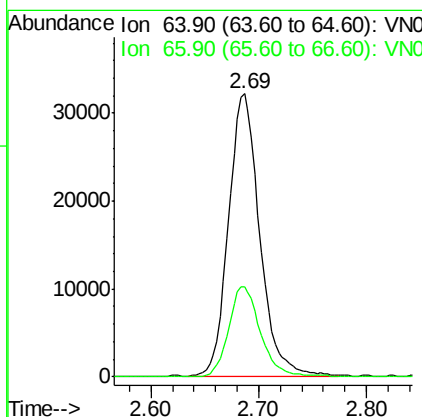
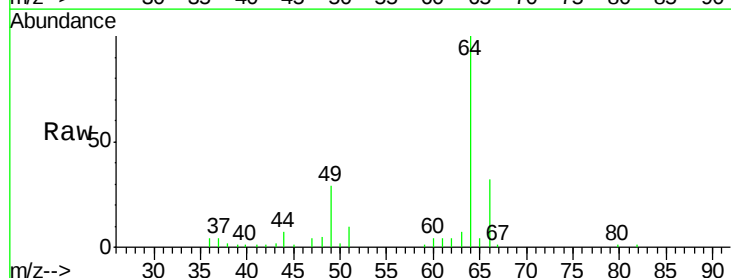
Acq: 27 Sep 2019 16:51

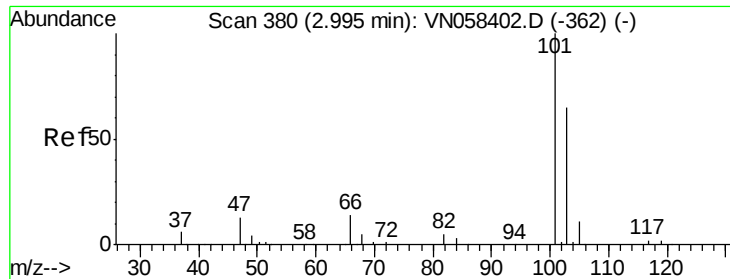
Tgt Ion: 64 Resp: 65391

Ion Ratio Lower Upper

64 100

66 31.7 24.4 36.6





#7

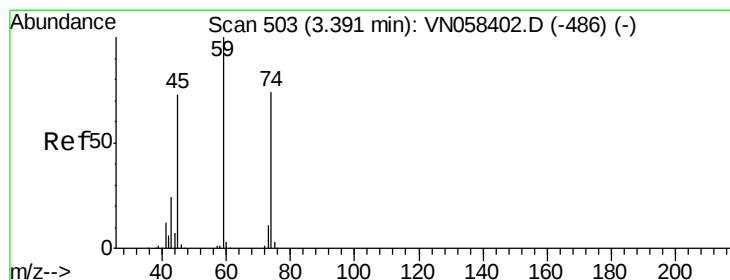
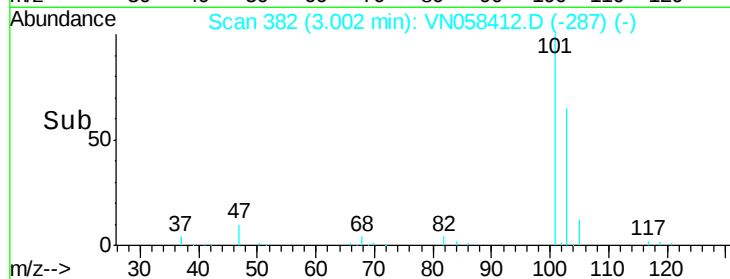
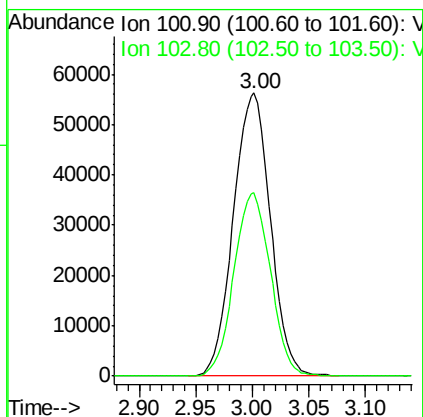
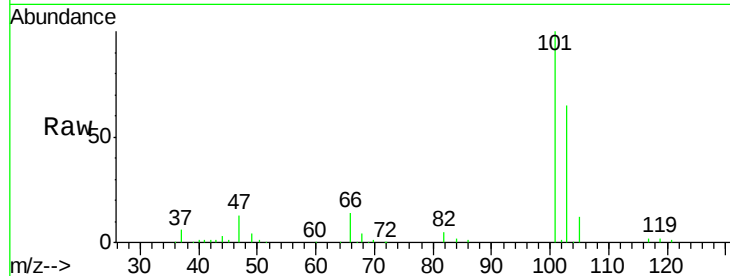
Trichlorofluoromethane
Concen: 20.226 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion:101 Resp: 128442
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5

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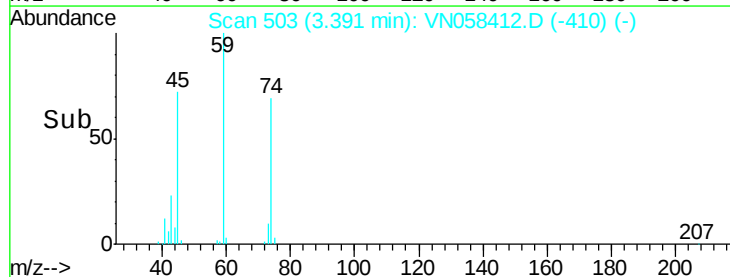
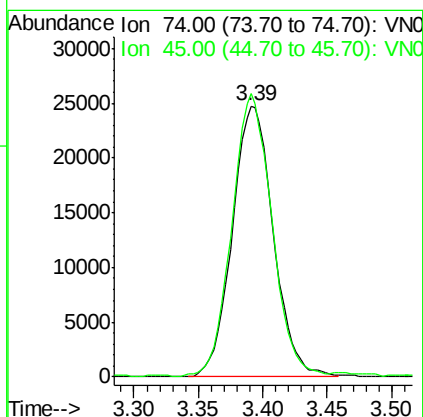
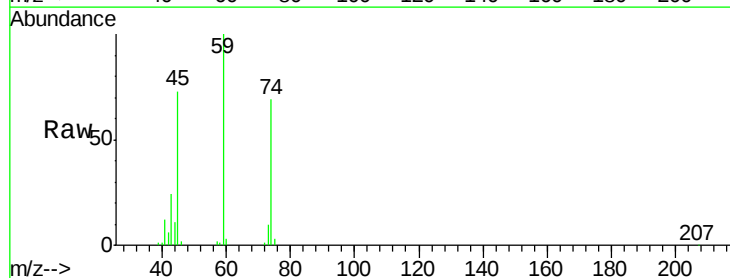
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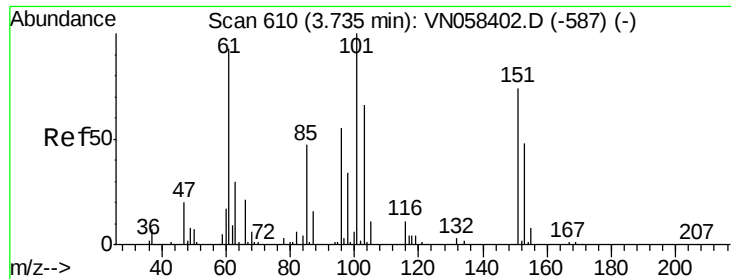


#8

Diethyl Ether
Concen: 19.983 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 74 Resp: 54751
Ion Ratio Lower Upper
74 100
45 102.1 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.737 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

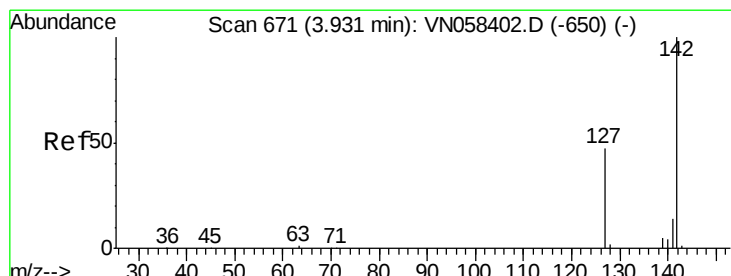
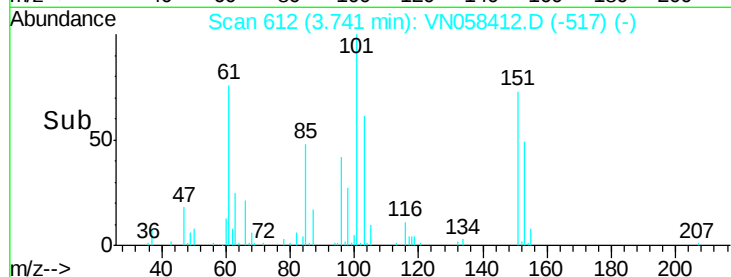
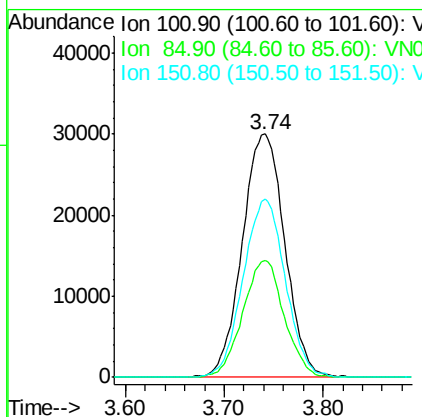
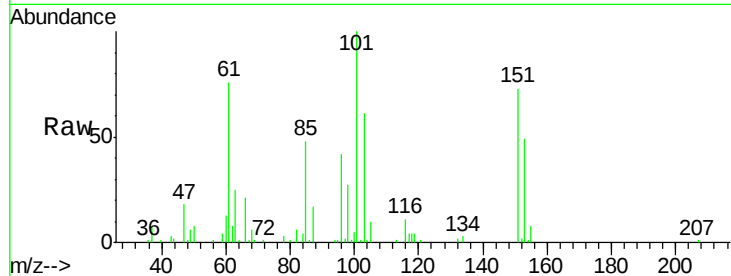
ClientSampleId :

VN0927WBS01

Tot Ion:	101	Resp:	89434
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.7	55.1
151	72.7	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.834 ug/l

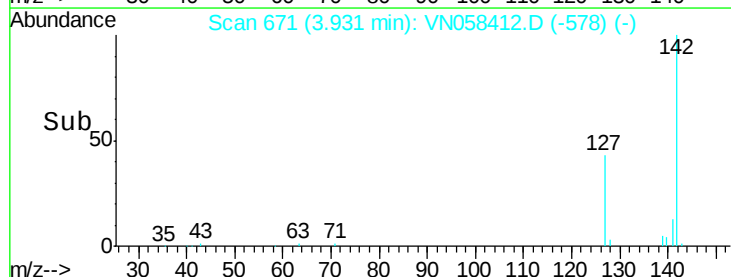
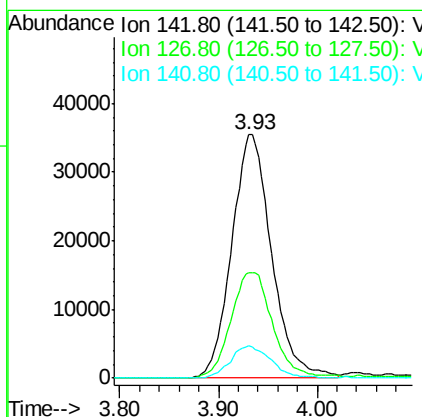
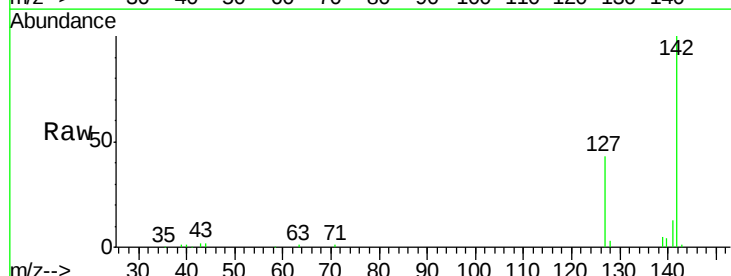
RT: 3.93 min Scan# 671

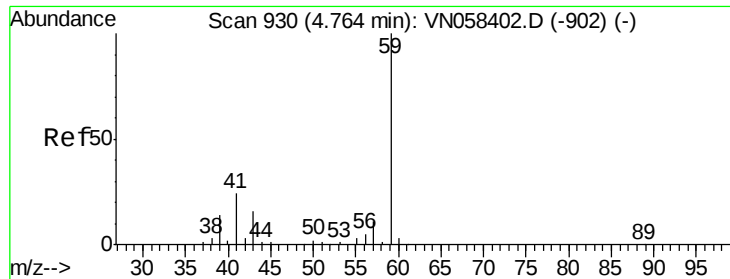
Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	142	Resp:	99630
Ion Ratio	Lower	Upper	
142	100		
127	44.9	37.2	55.8
141	13.4	11.3	16.9





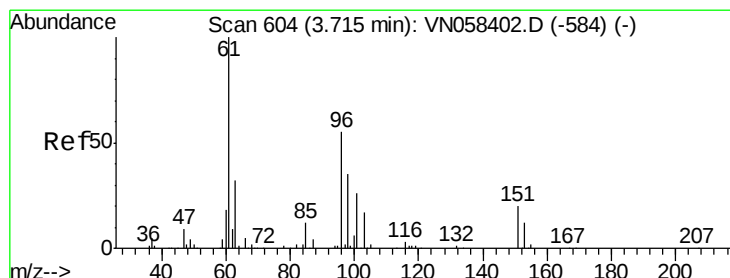
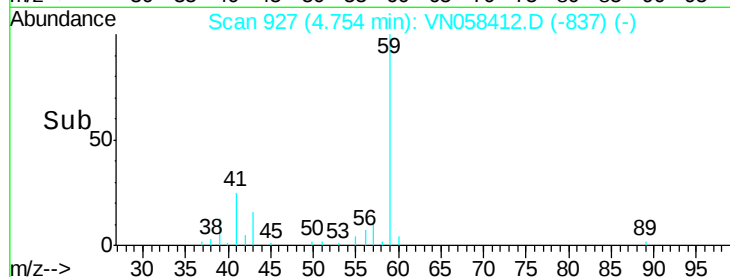
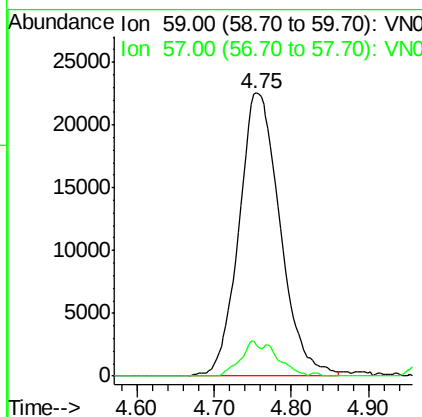
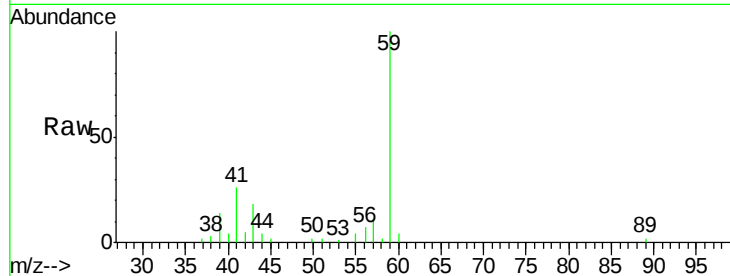
#11
Tert butyl alcohol
Concen: 115.173 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	9.0	13.4#

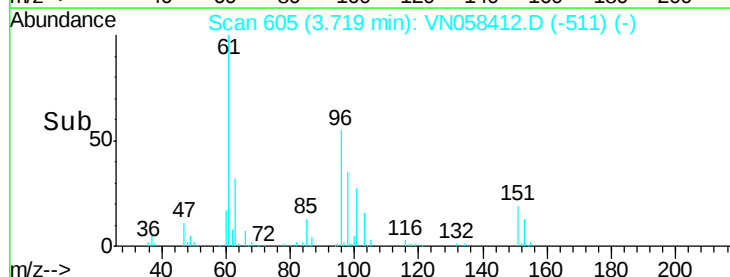
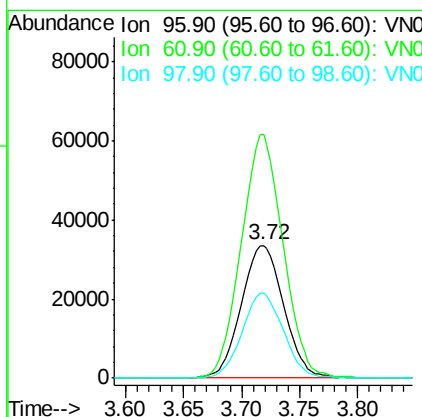
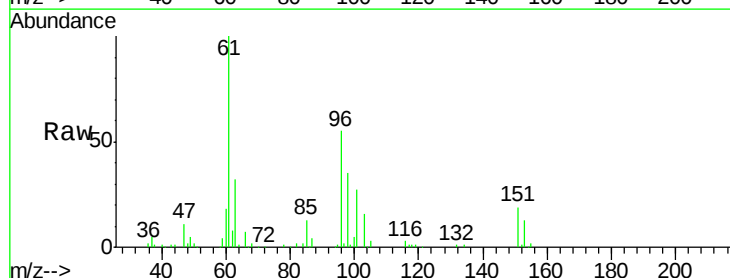
Manual Integrations
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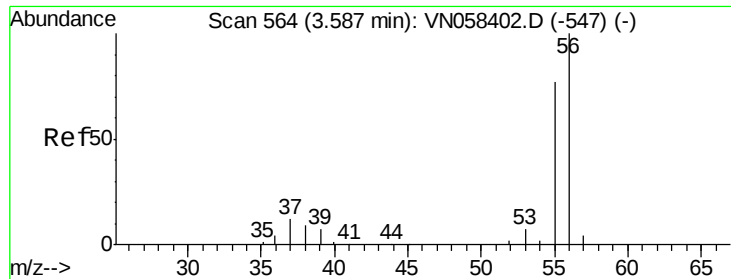
MMDadoda
9/30/2019 10:18:52 AM



#12
1,1-Dichloroethene
Concen: 20.277 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.4	146.7	220.1
98	64.1	51.3	76.9





#13

Acrolein

Concen: 145.888 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 56 Resp: 33568

Ion Ratio Lower Upper

56 100

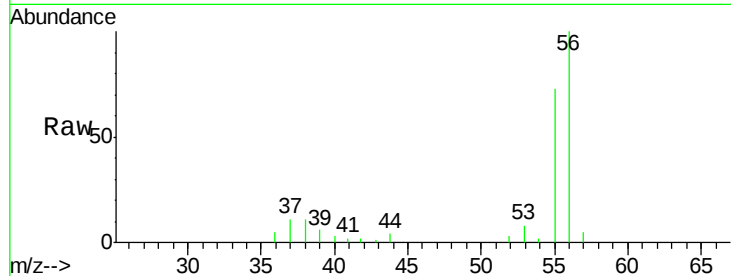
55 74.3 58.3 87.5

Manual Integrations

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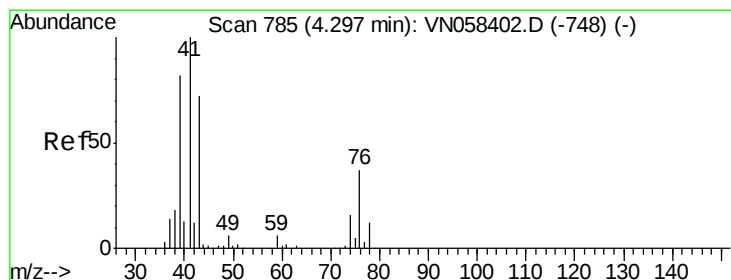
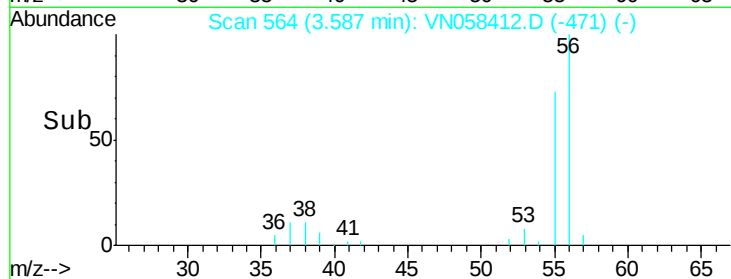
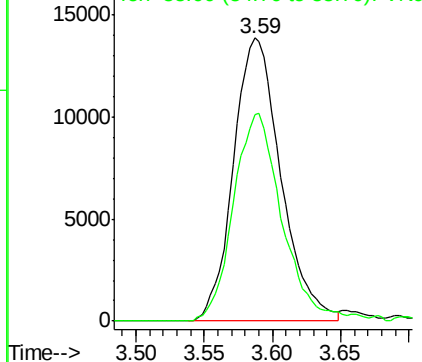
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.984 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

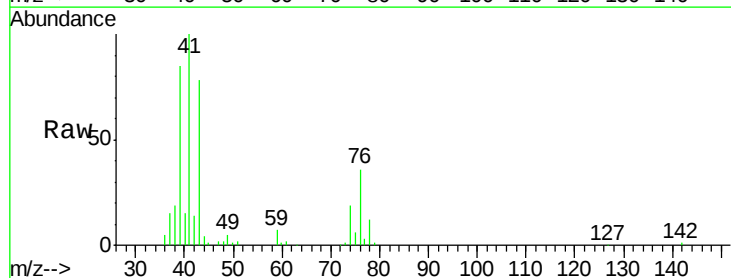
Tgt Ion: 41 Resp: 152878

Ion Ratio Lower Upper

41 100

39 76.5 62.3 93.5

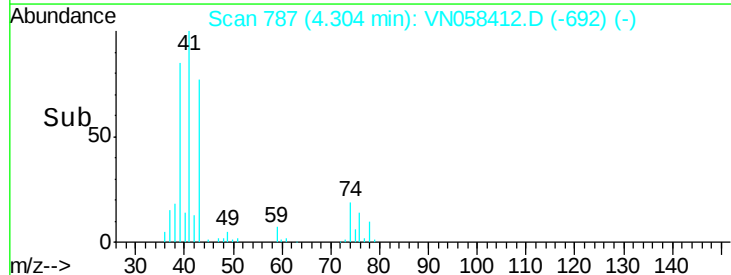
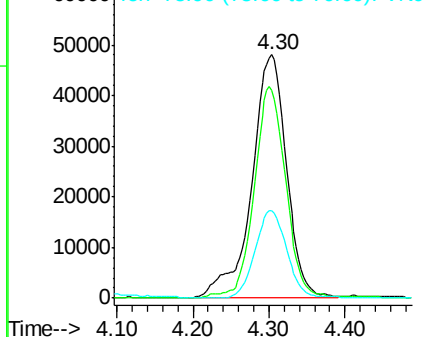
76 32.7 26.9 40.3

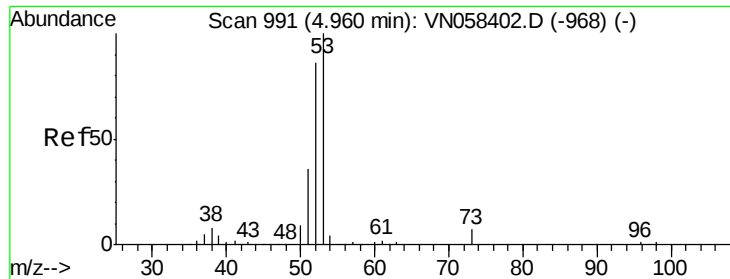


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.447 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

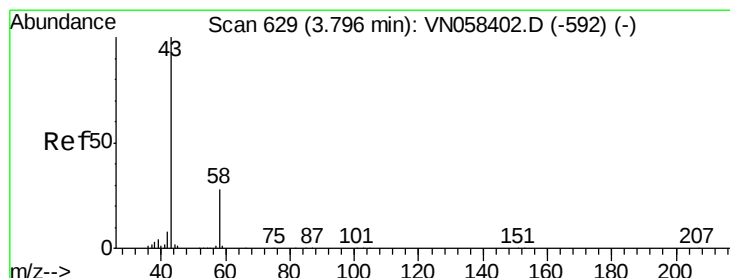
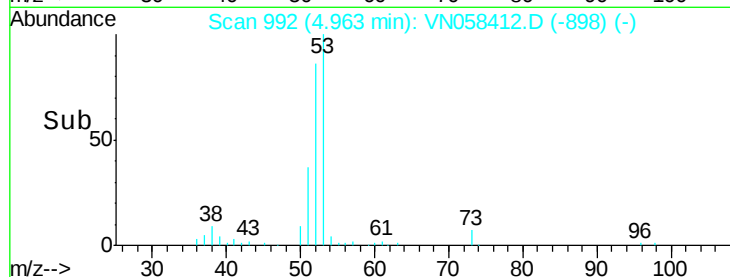
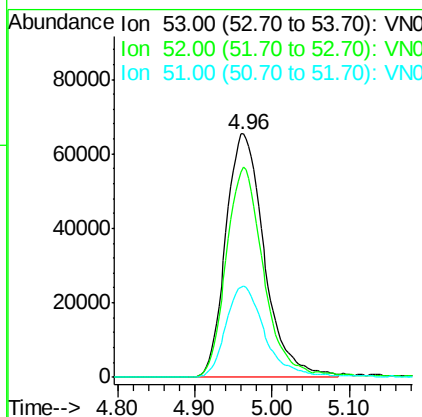
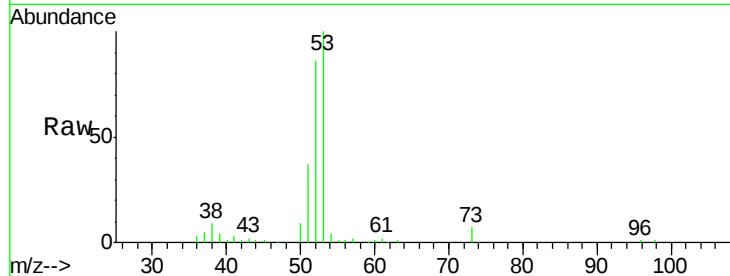
ClientSampleId :

VN0927WBS01

Tot Ion:	53	Resp:	226542
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	100.0
51	38.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 104.355 ug/l

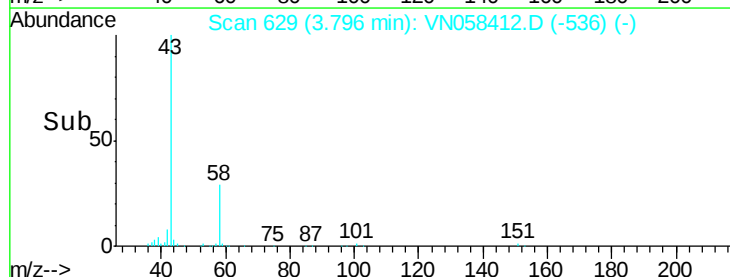
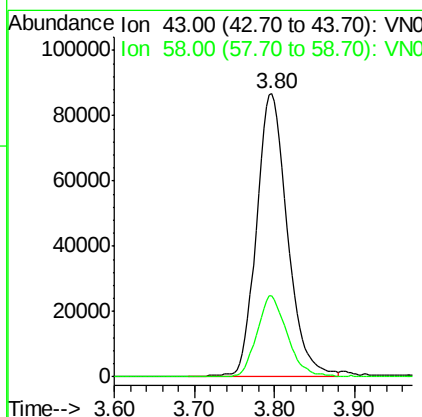
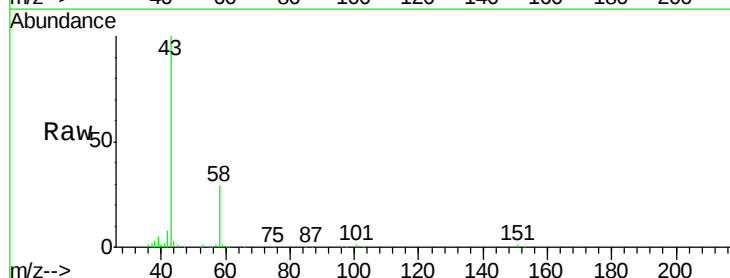
RT: 3.80 min Scan# 629

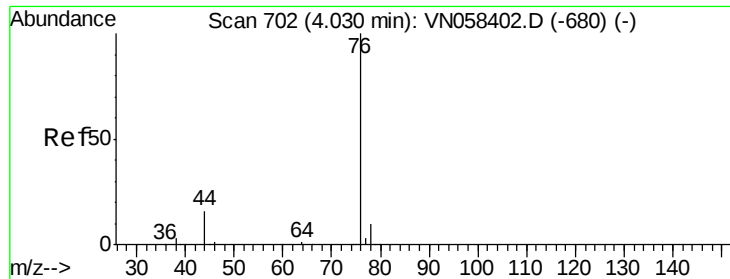
Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	43	Resp:	231655
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.4	33.6





#17

Carbon Disulfide

Concen: 19.880 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 76 Resp: 220297

Ion Ratio Lower Upper

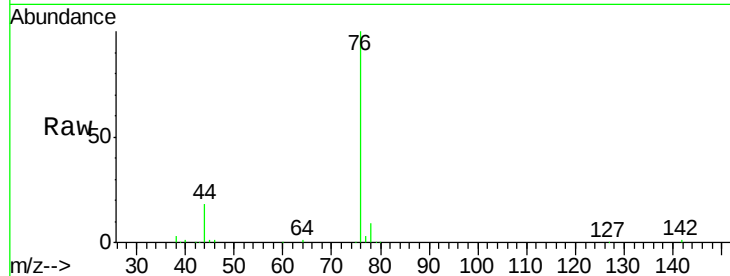
76 100

78 9.5 7.7 11.5

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

4.03

80000

60000

40000

20000

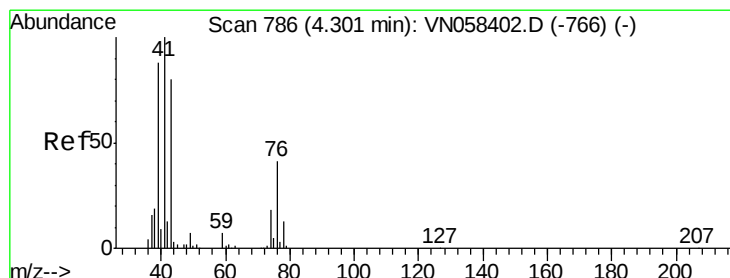
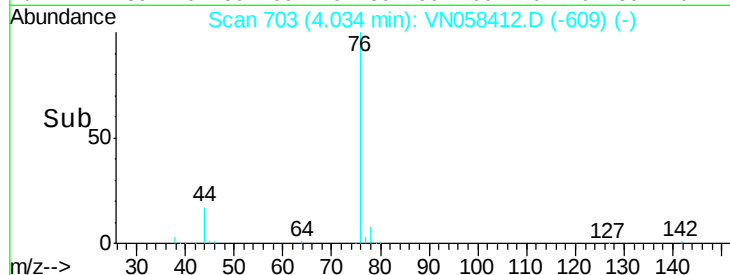
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 19.796 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058412.D

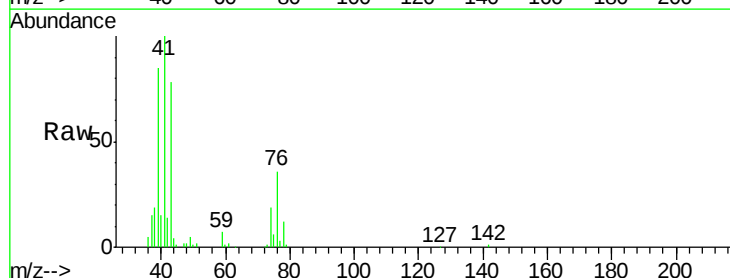
Acq: 27 Sep 2019 16:51

Tgt Ion: 43 Resp: 110524

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

40000

30000

20000

10000

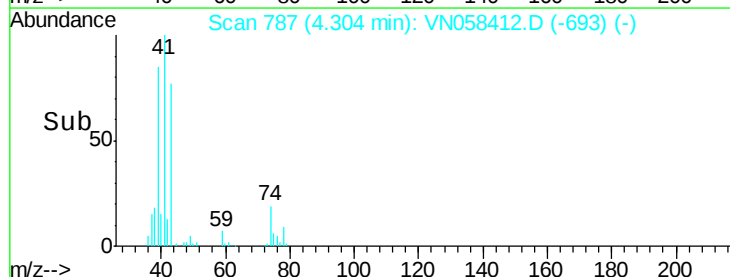
0

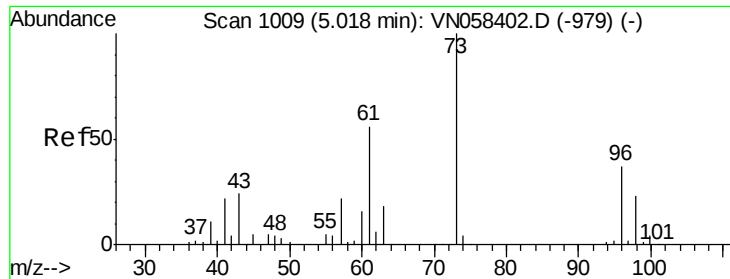
Time-->

4.20

4.30

4.40





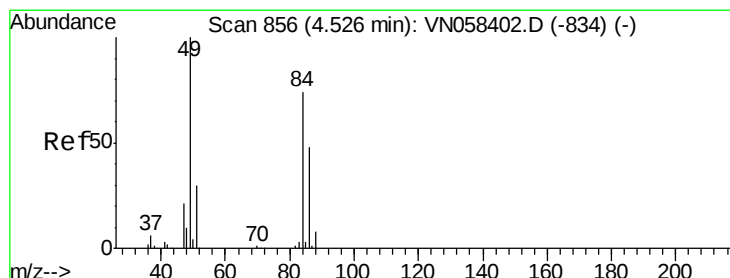
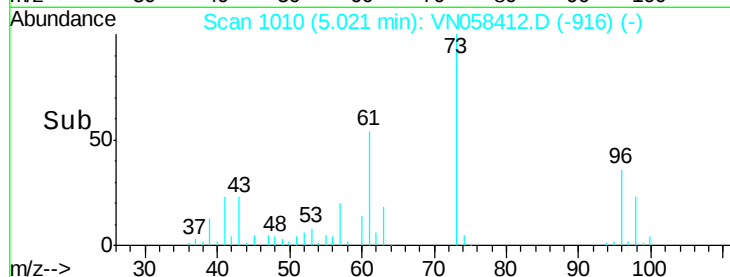
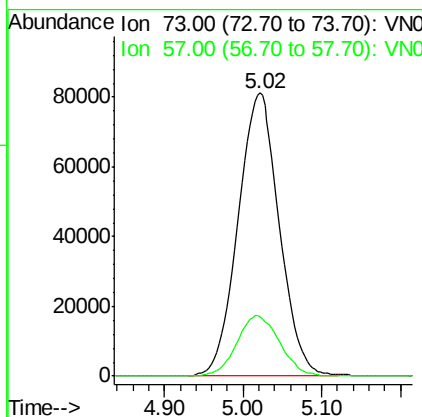
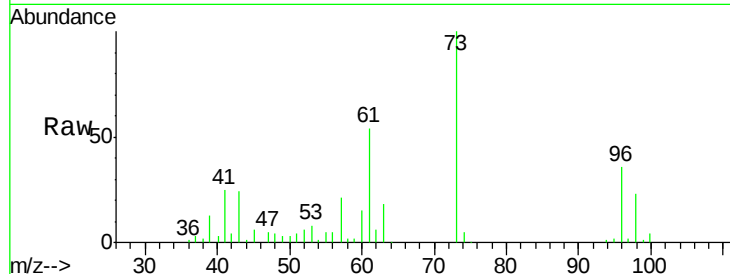
#19
Methvl tert-butvl Ether
Concen: 20.116 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion: 73 Resp: 298366
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

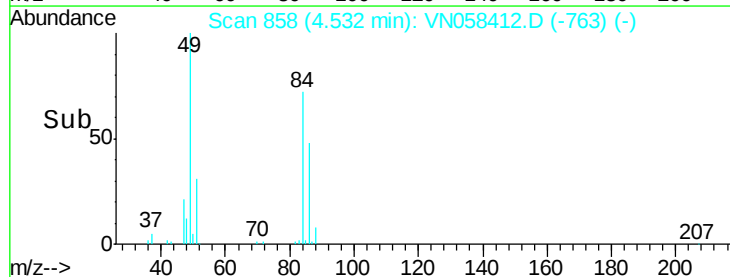
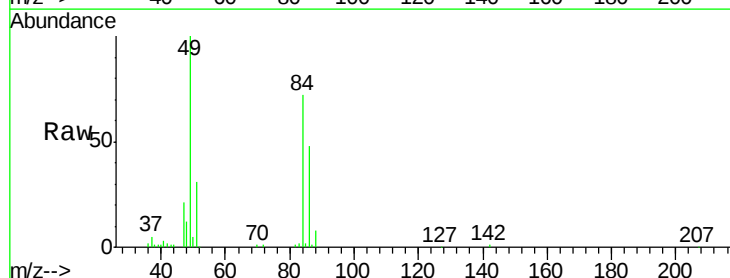
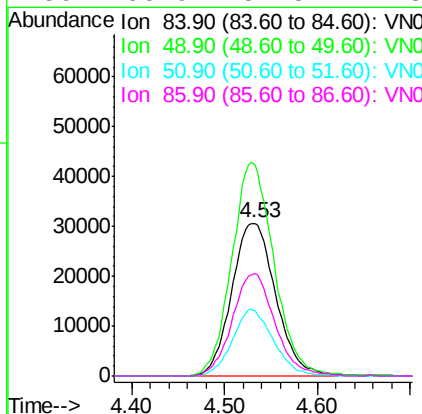
Manual Integrations
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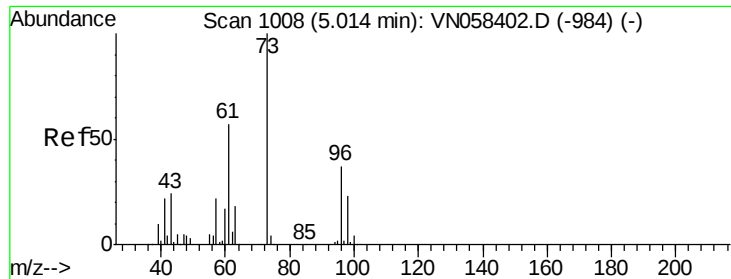
MMDadoda
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#20
Methylene Chloride
Concen: 19.660 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 84 Resp: 100715
Ion Ratio Lower Upper
84 100
49 138.5 107.9 161.9
51 42.5 32.8 49.2
86 66.9 51.5 77.3





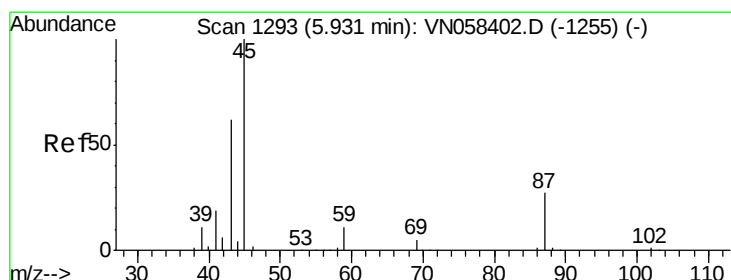
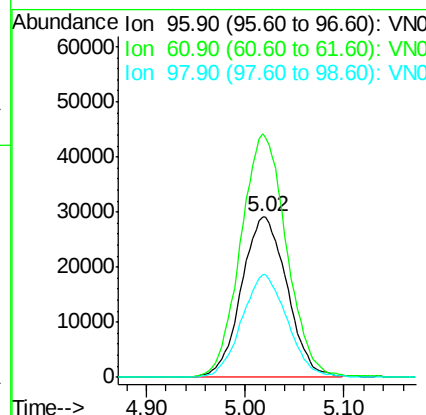
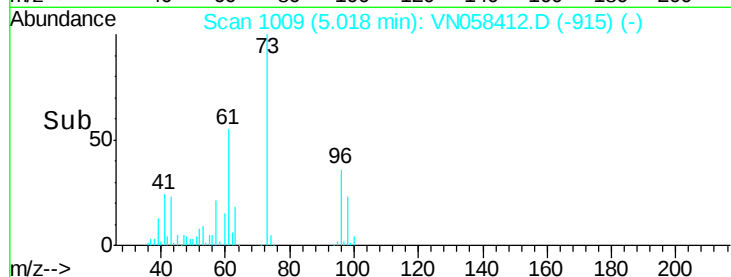
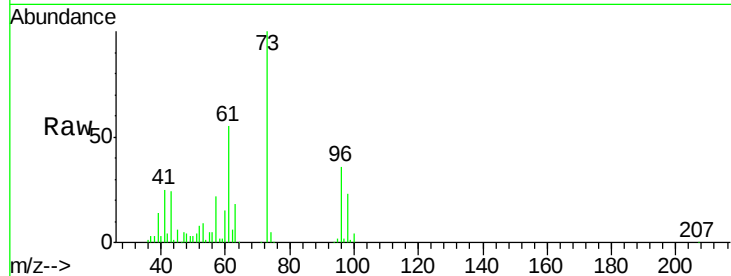
#21
trans-1,2-Dichloroethene
Concen: 19.939 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.3	121.9	182.9
98	63.8	49.3	73.9

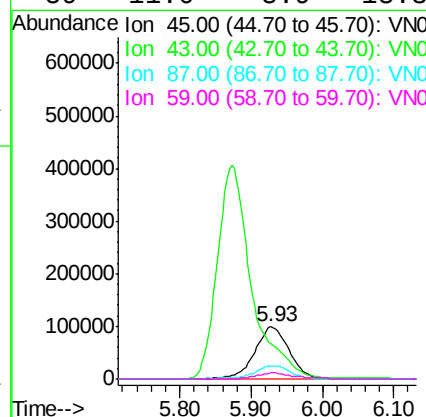
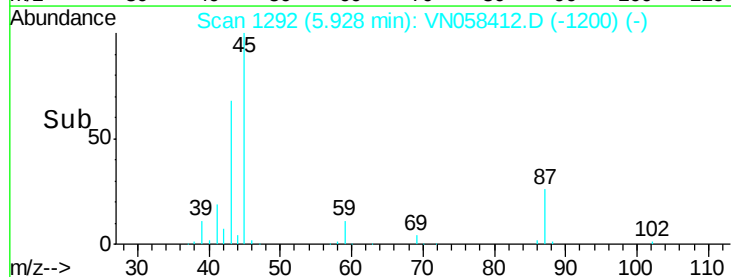
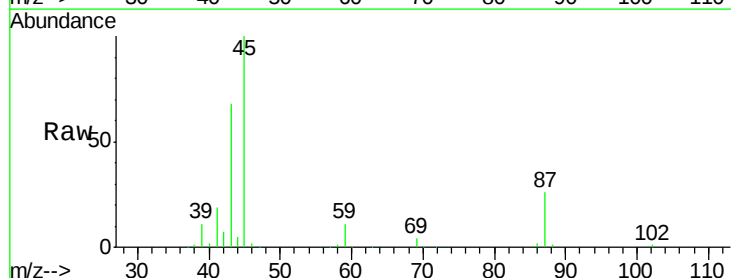
Manual Integrations
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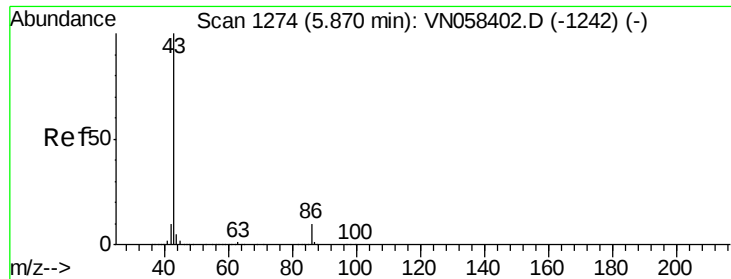
MMDadoda
9/30/2019 10:18:52 AM



#22
Diisopropyl ether
Concen: 20.184 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.8	49.7	74.5
87	25.3	21.5	32.3
59	11.0	8.9	13.3





#23

Vinyl Acetate

Concen: 109.100 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

Tot Ion: 43 Resp: 1354249

Ion Ratio Lower Upper

43 100

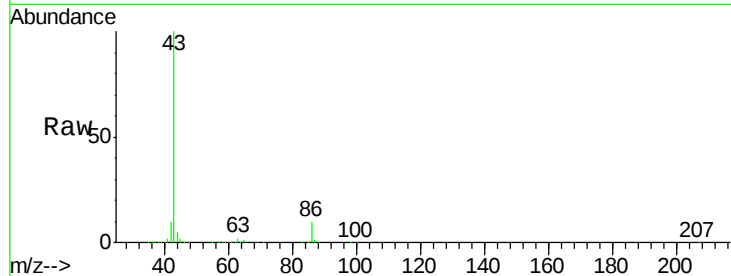
86 9.5 7.7 11.5

Manual Integrations

APPROVED

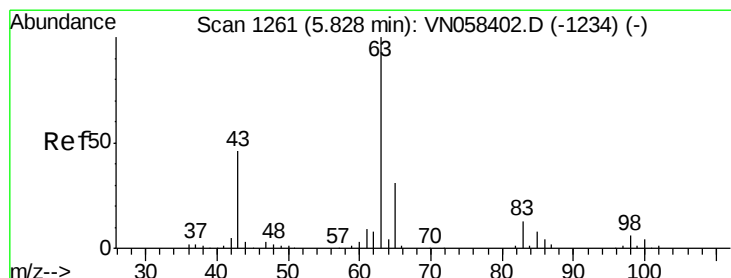
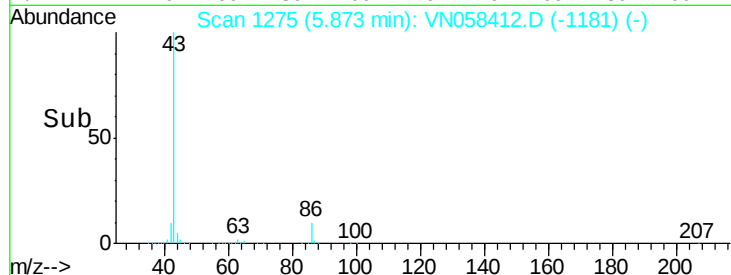
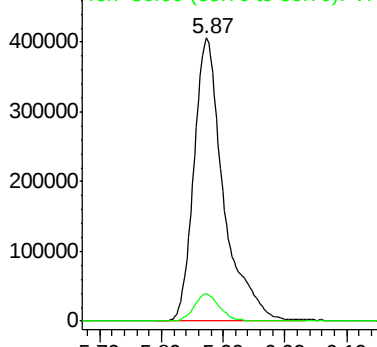
MMDadoda

9/30/2019 10:18:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.198 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

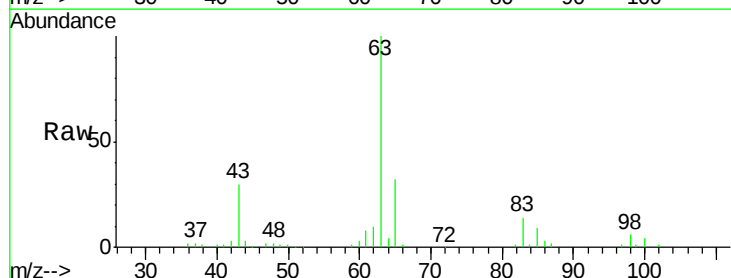
Tgt Ion: 63 Resp: 187131

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

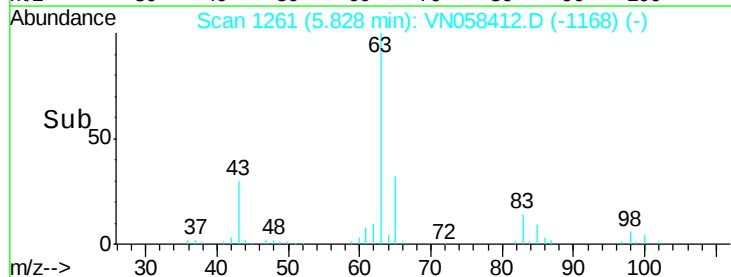
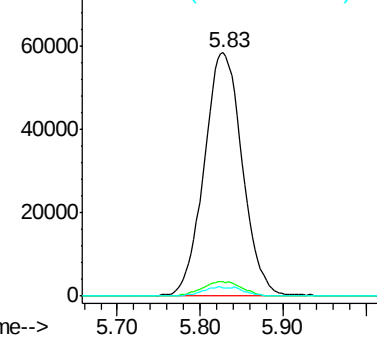
100 3.6 2.0 5.8

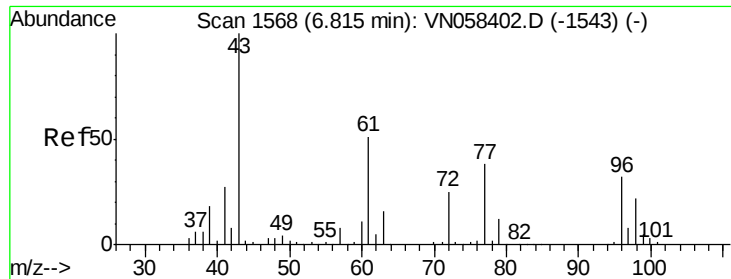


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.385 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 43 Resp: 327292

Ion Ratio Lower Upper

43 100

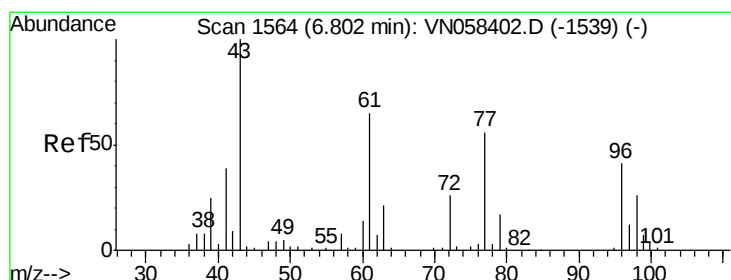
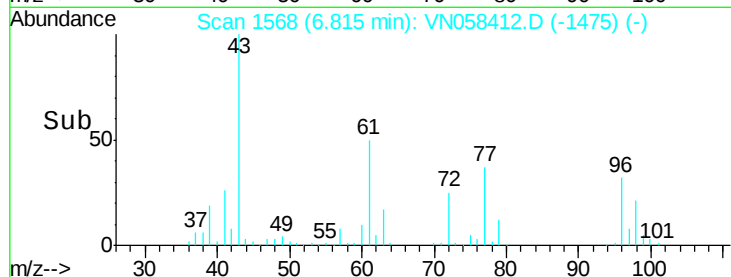
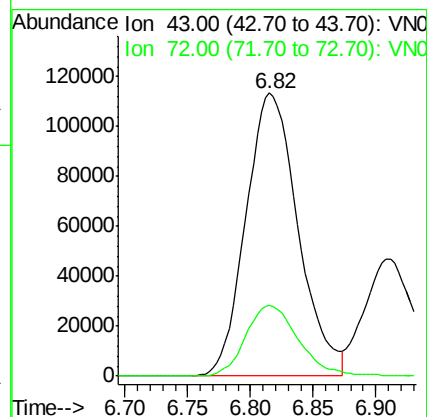
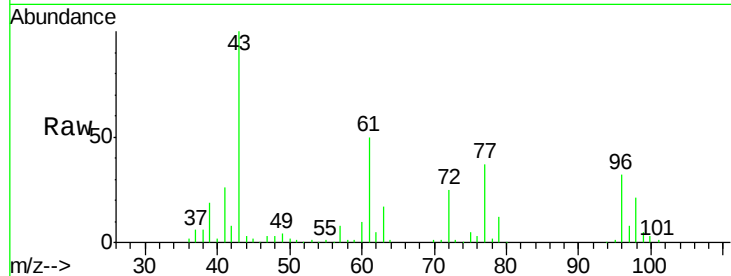
72 25.2 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.771 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058412.D

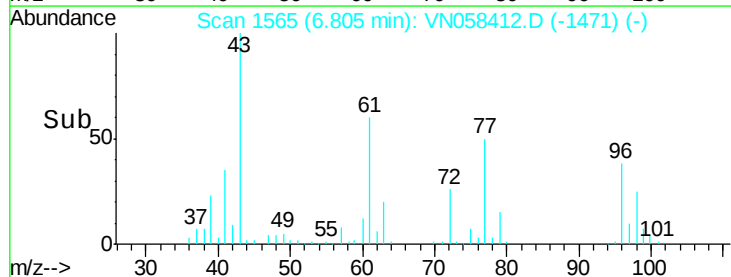
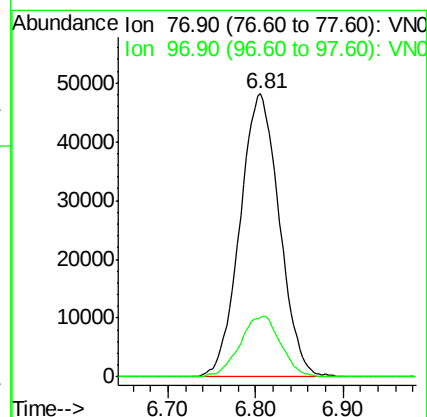
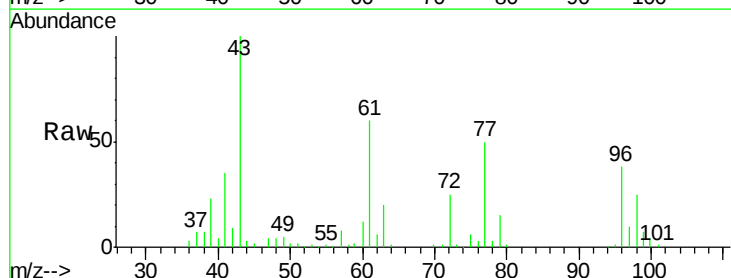
Acq: 27 Sep 2019 16:51

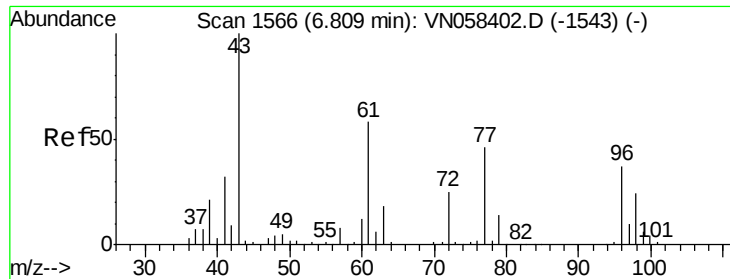
Tgt Ion: 77 Resp: 150597

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.333 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

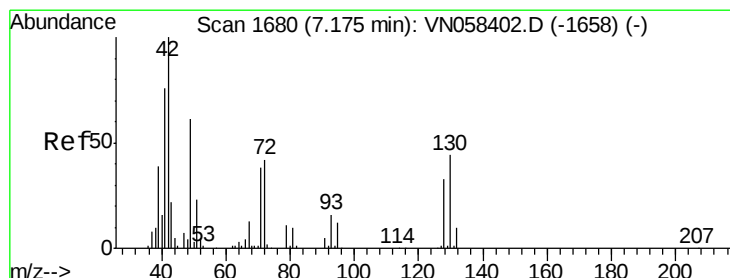
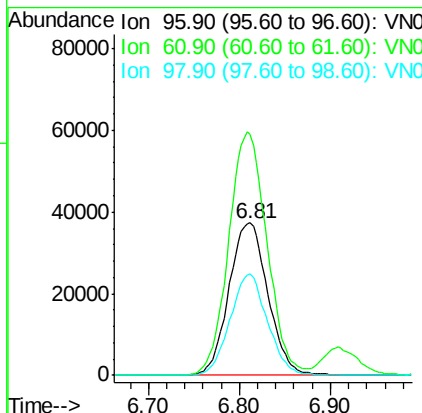
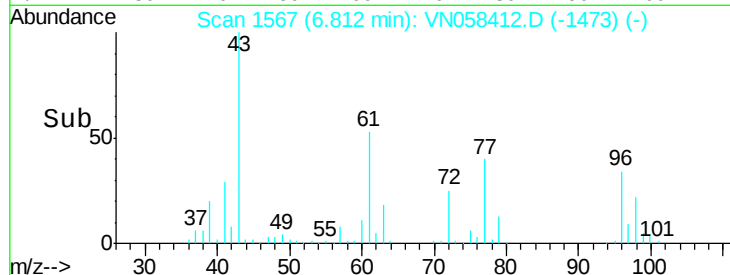
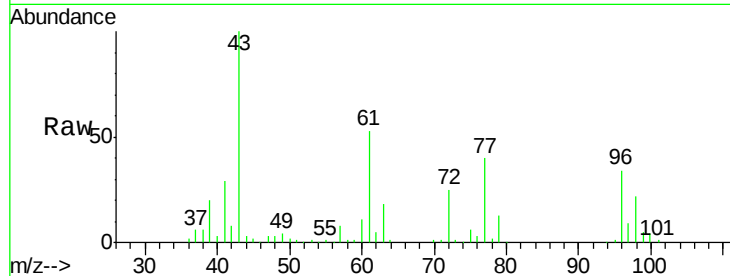
ClientSampleId :

VN0927WBS01

Tot Ion:	96	Resp:	111090
Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	318.8
98	63.7	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 20.700 ug/l

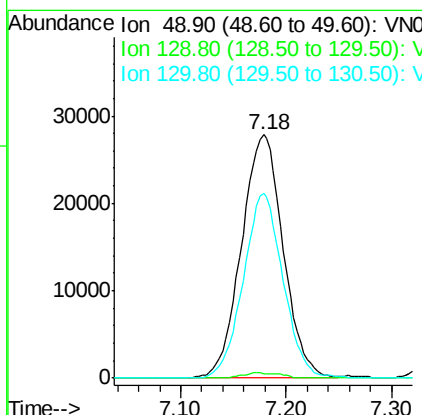
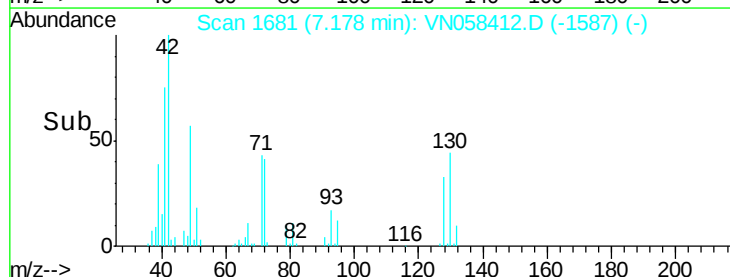
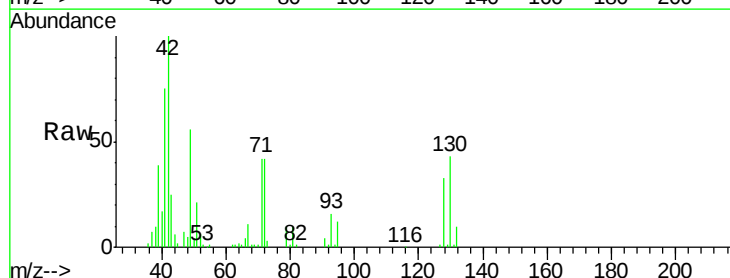
RT: 7.18 min Scan# 1681

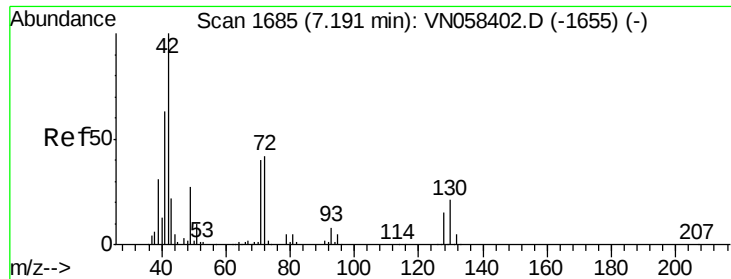
Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	49	Resp:	76662
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	72.3	56.3	84.5





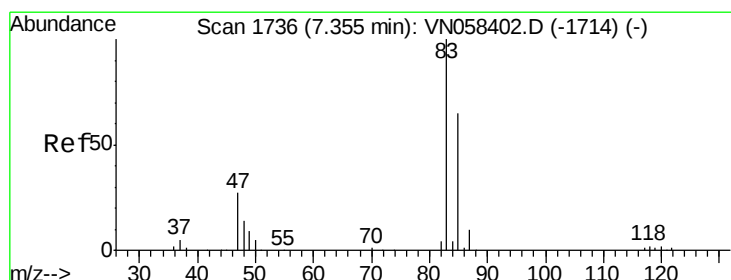
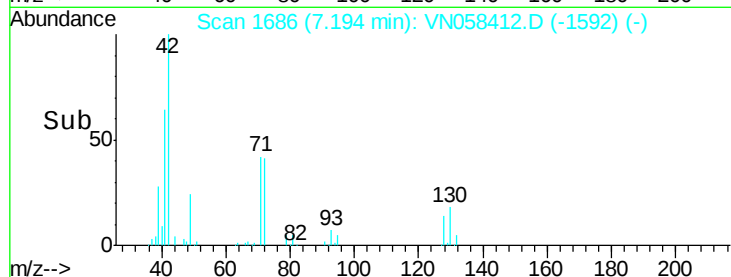
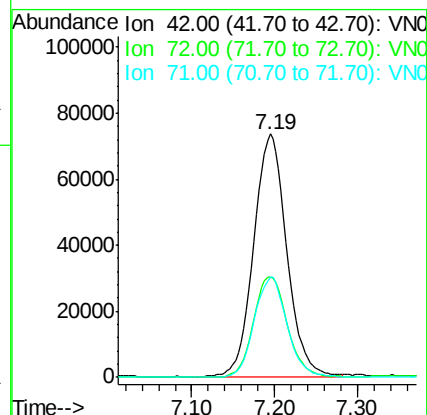
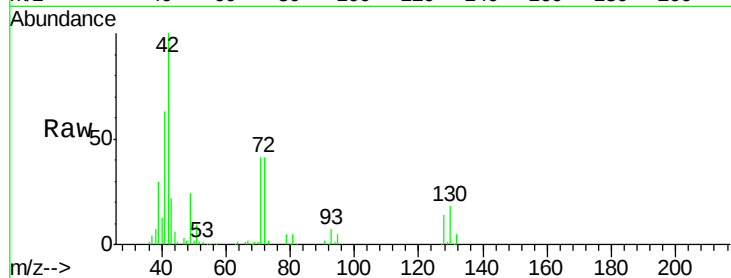
#29
Tetrahydrofuran
Concen: 106.349 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	40.8	31.8	47.6

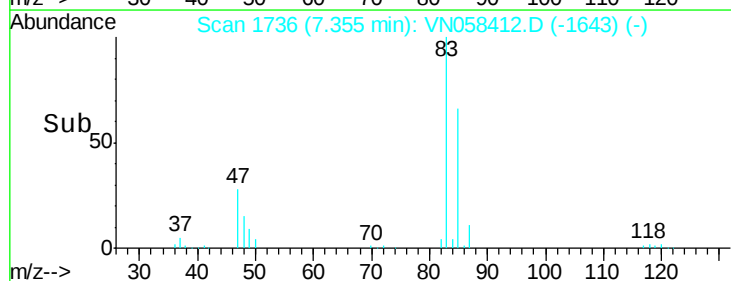
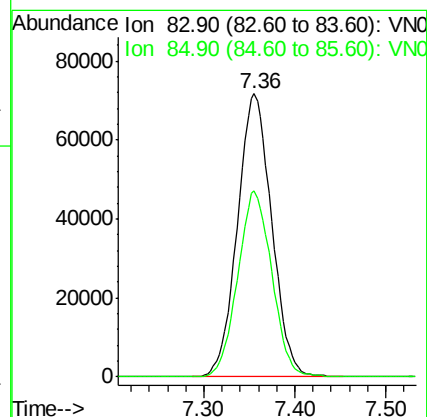
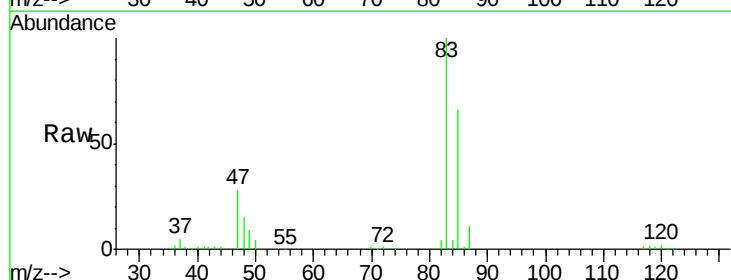
Manual Integrations
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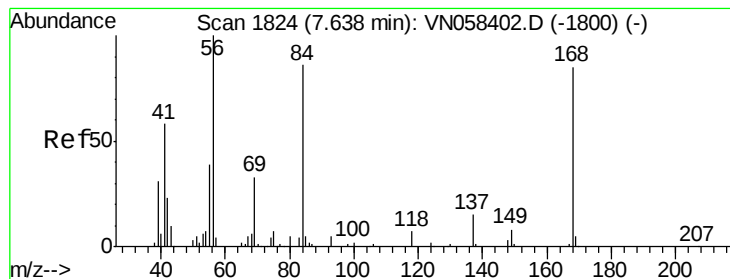
MMDadoda
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#30
Chloroform
Concen: 19.984 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.0	78.0





#31

Cyclohexane

Concen: 20.112 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

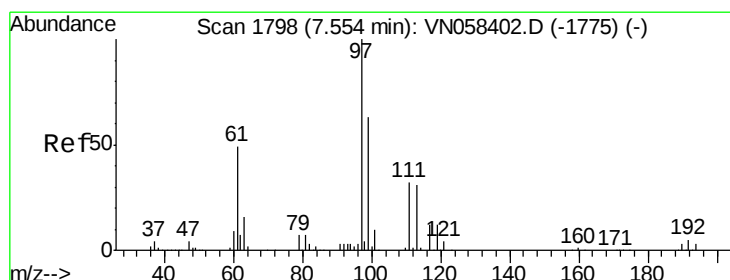
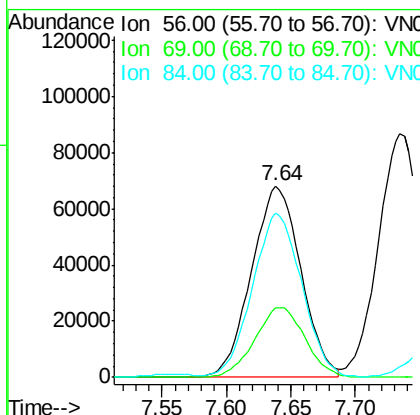
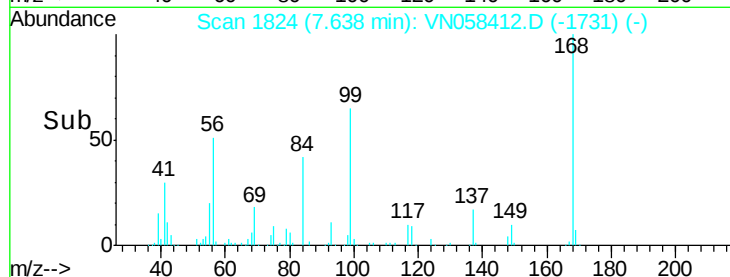
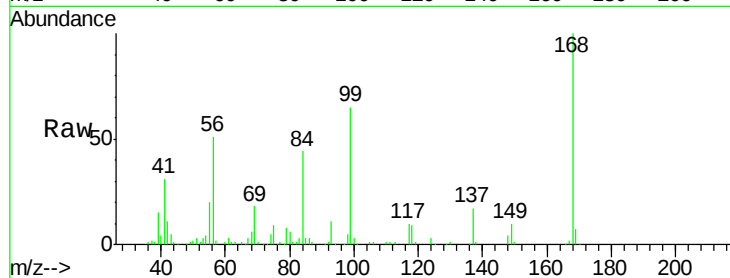
ClientSampleId :

VN0927WBS01

Tot Ion:	56	Resp:	181259
Ion Ratio	Lower	Upper	
56	100		
69	36.0	26.2	39.4
84	84.3	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.475 ug/l

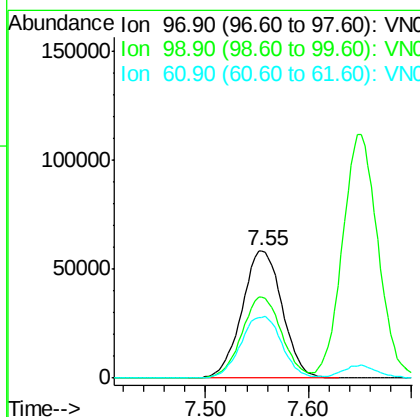
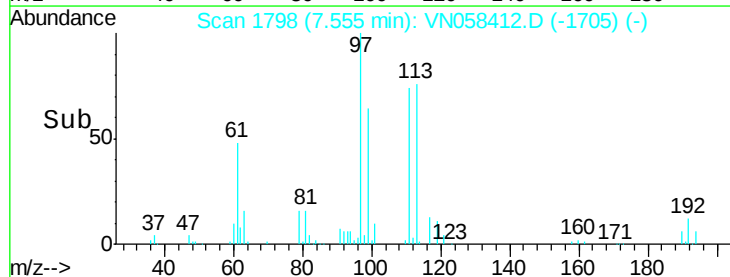
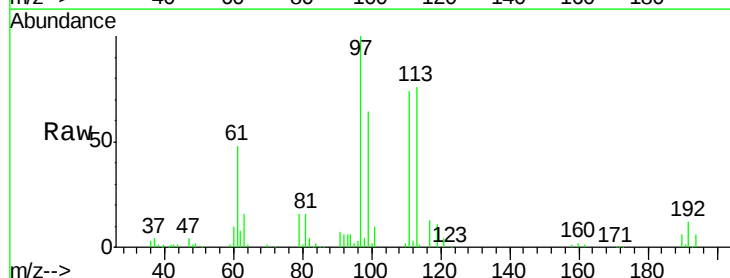
RT: 7.55 min Scan# 1798

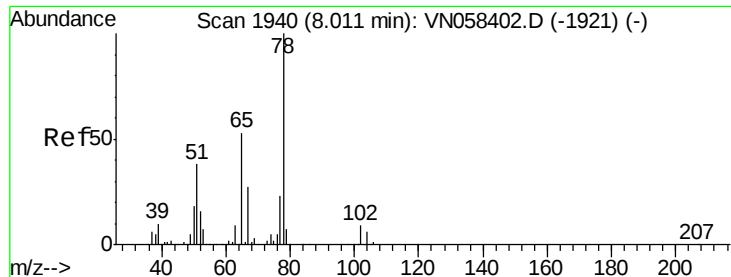
Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	97	Resp:	157860
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.1	76.7
61	49.5	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 50.854 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 65 Resp: 331162

Ion Ratio Lower Upper

65 100

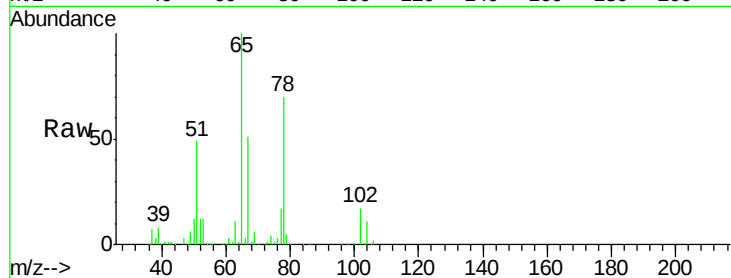
67 50.6 0.0 102.4

Manual Integrations

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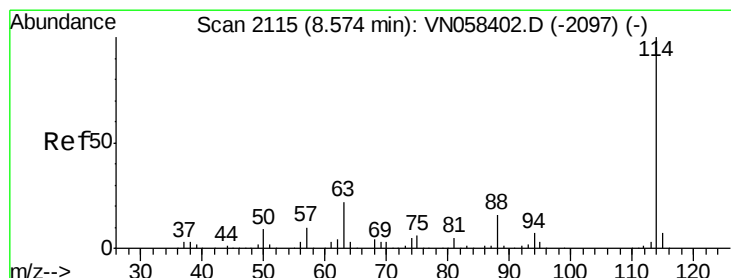
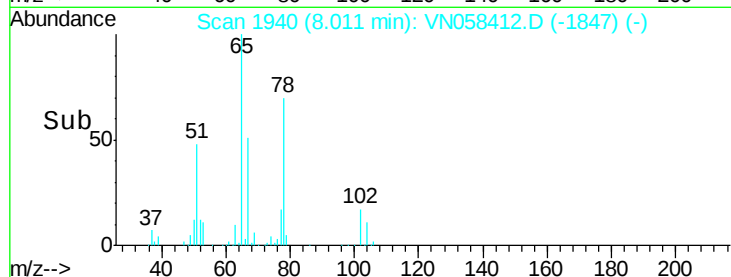
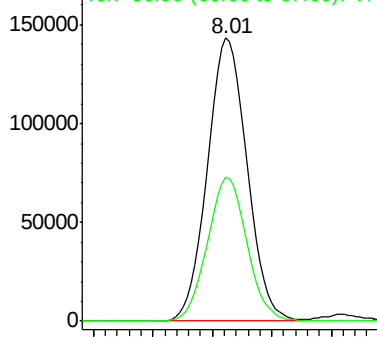
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

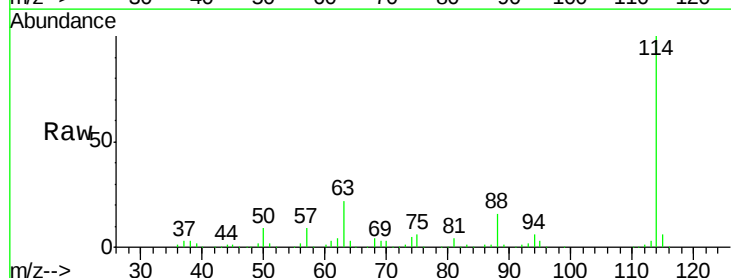
Tgt Ion: 114 Resp: 755445

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

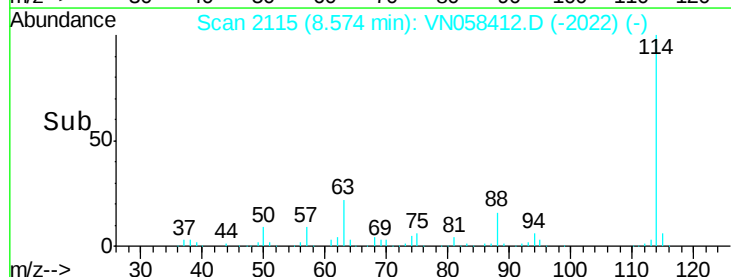
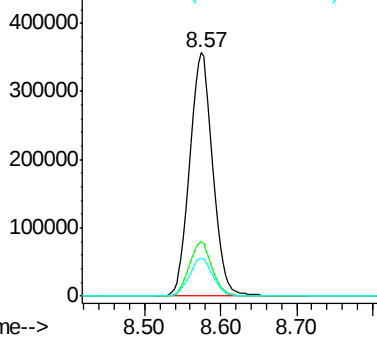
88 15.6 0.0 32.2

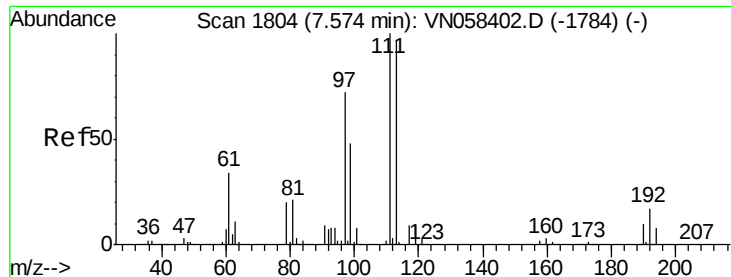


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





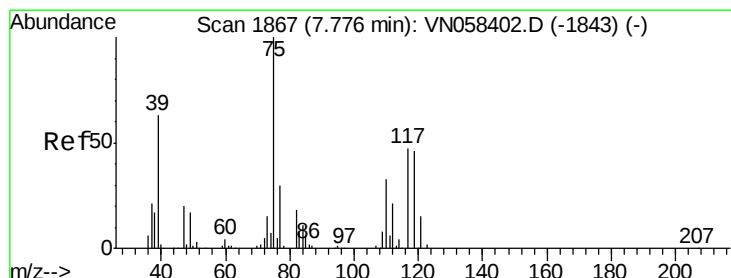
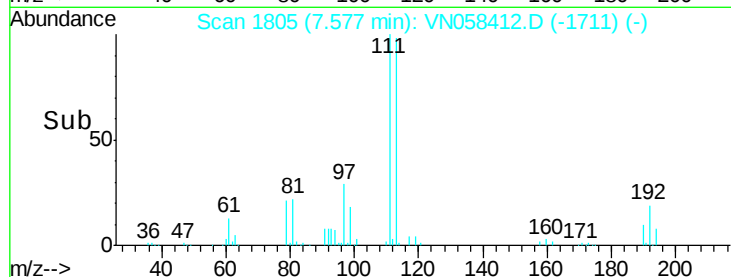
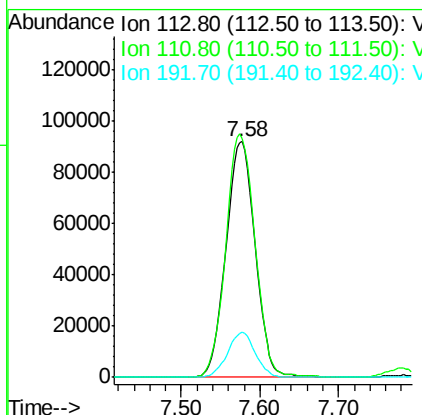
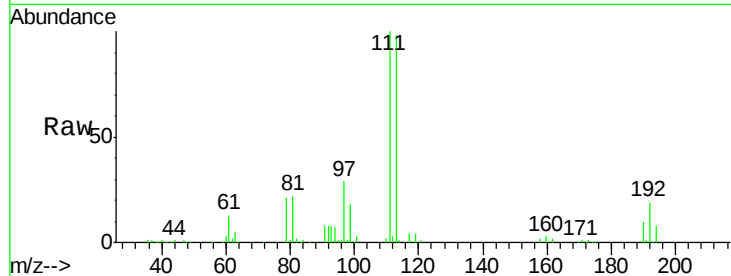
#35
 Dibromofluoromethane
 Concen: 51.050 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	236362		
111	103.2	83.4	125.2	
192	18.2	14.9	22.3	

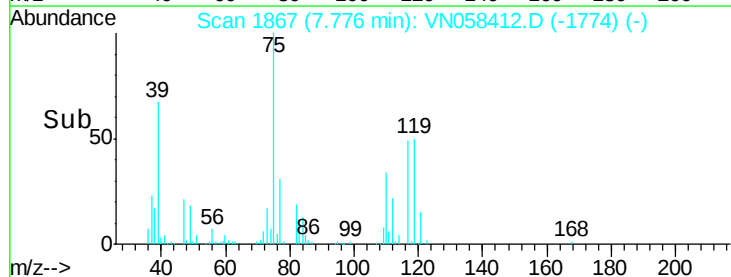
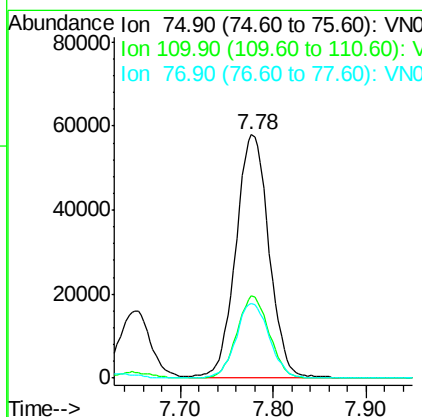
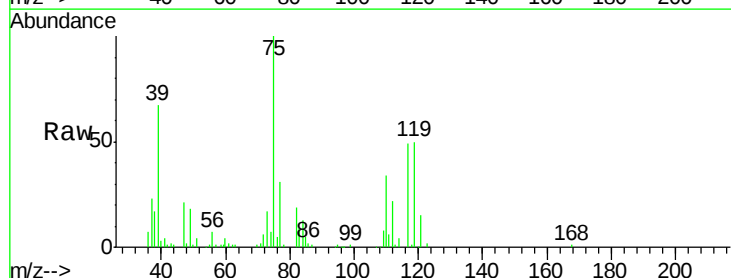
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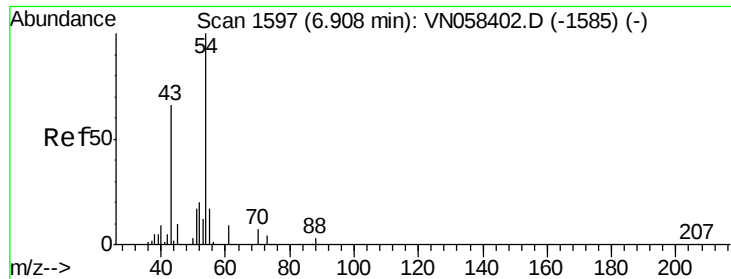
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.011 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144547		
110	32.7	16.4	49.2	
77	30.7	24.3	36.5	





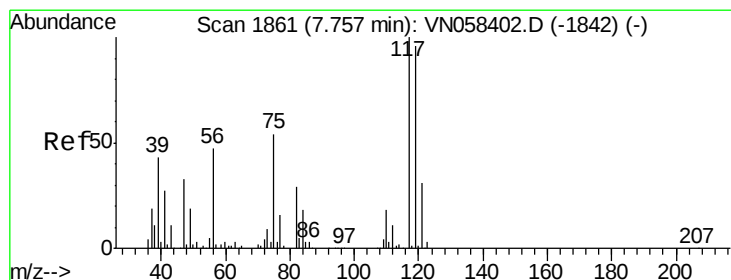
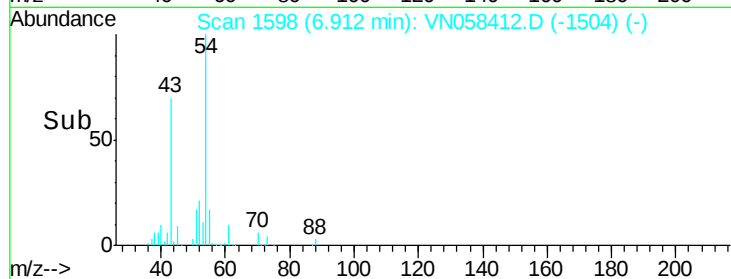
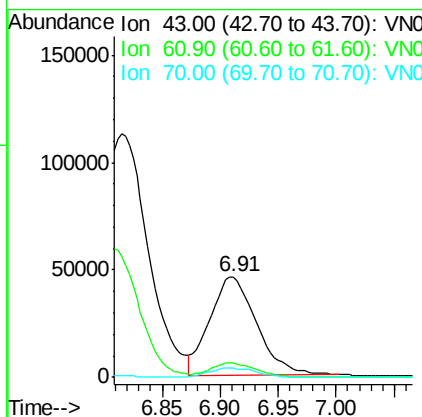
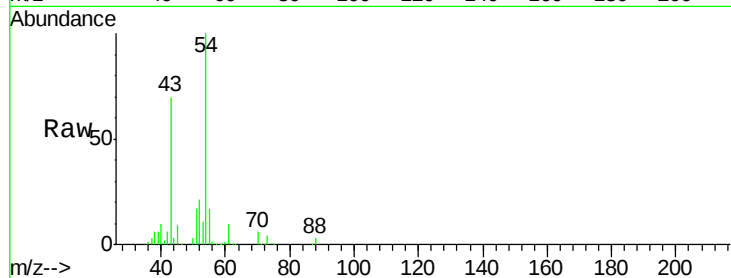
#37
Ethyl Acetate
Concen: 21.227 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.7	7.8	11.6

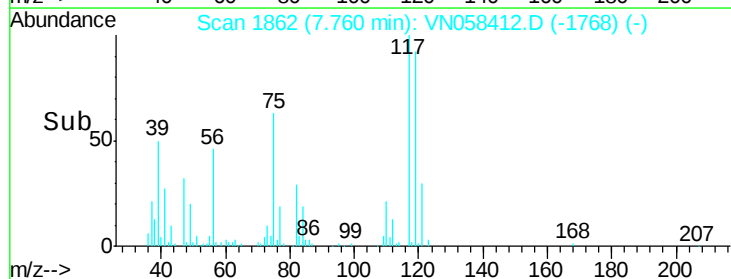
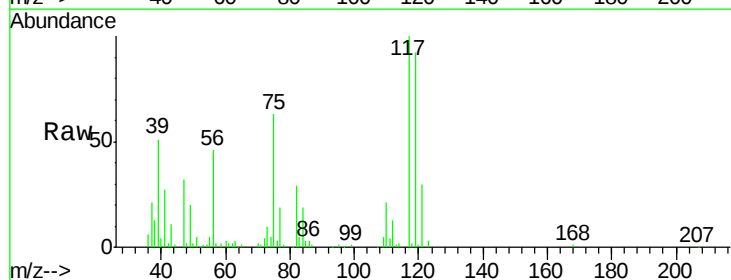
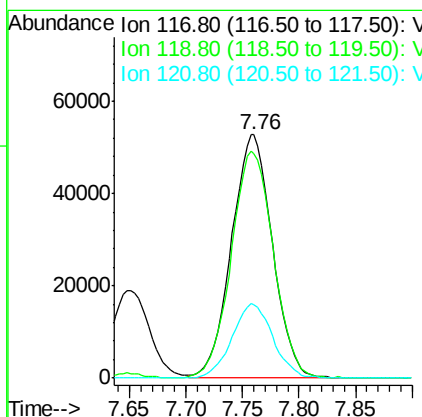
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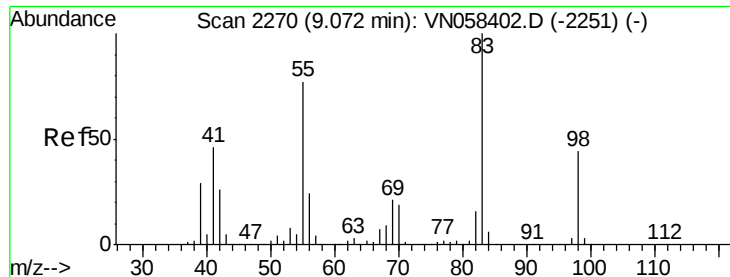
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#38
Carbon Tetrachloride
Concen: 20.377 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.6	115.0
121	30.4	24.7	37.1





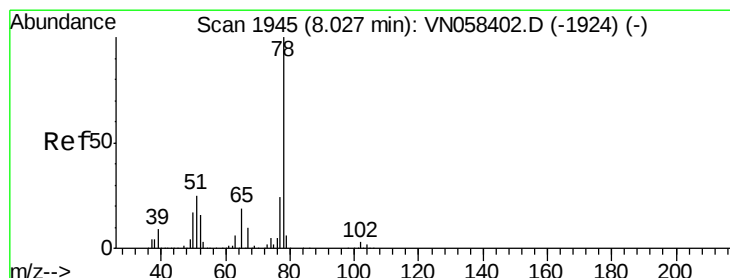
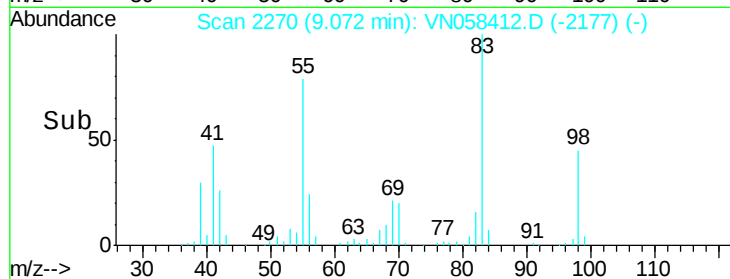
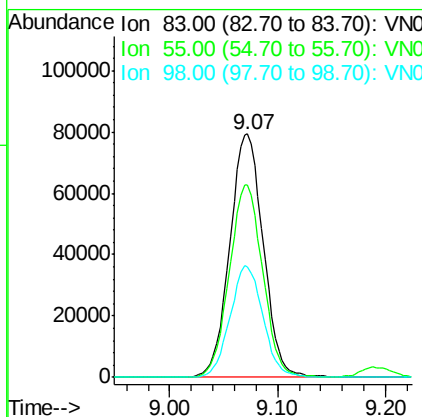
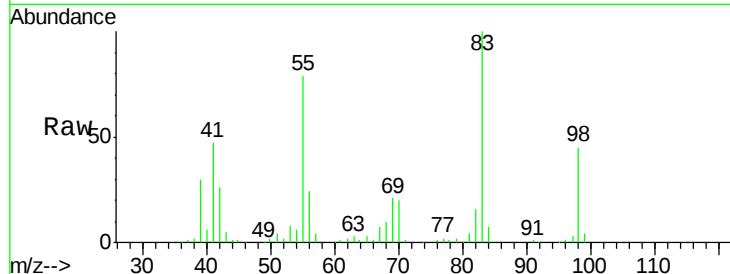
#39
Methvlcvclohexane
Concen: 20.328 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	83	Resp	171480
Ion Ratio	Lower	Upper	
83	100		
55	79.0	61.8	92.6
98	45.3	35.4	53.0

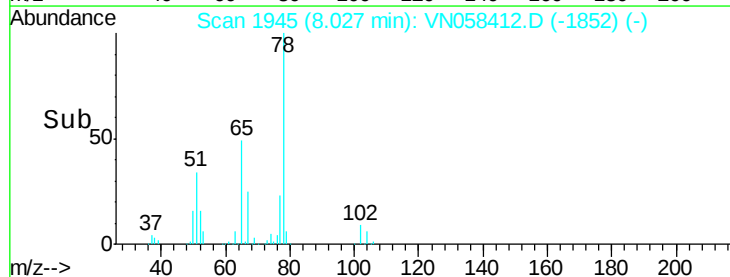
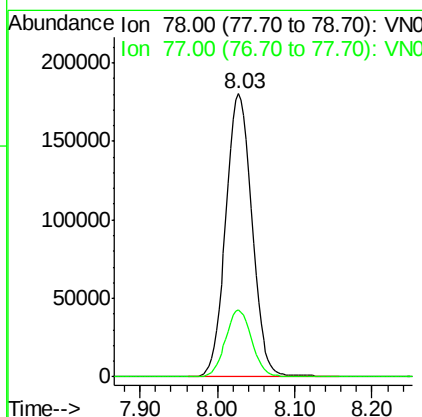
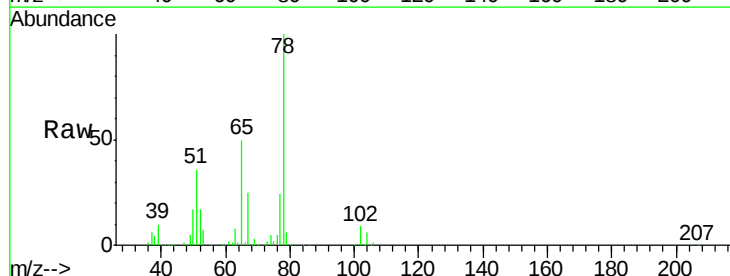
Manual Integrations
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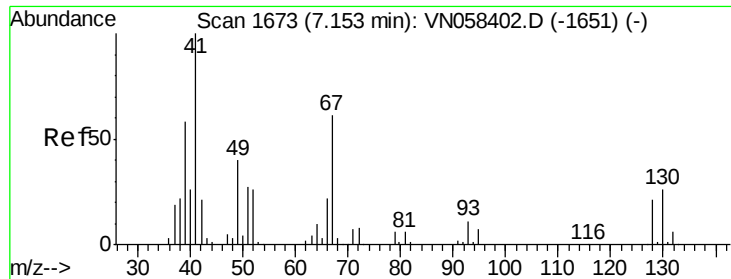
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#40
Benzene
Concen: 20.433 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	78	Resp	424270
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.9	28.3





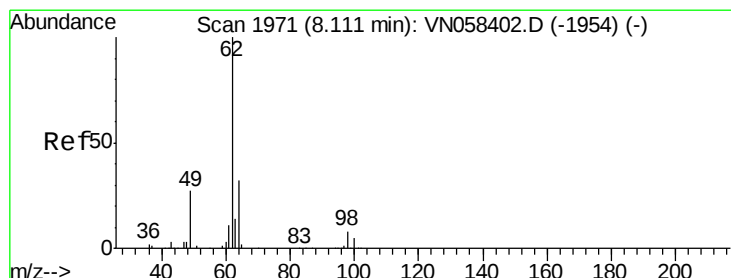
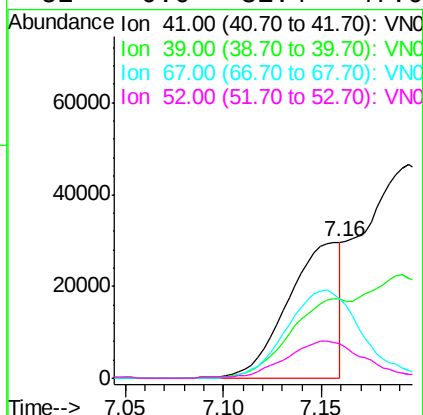
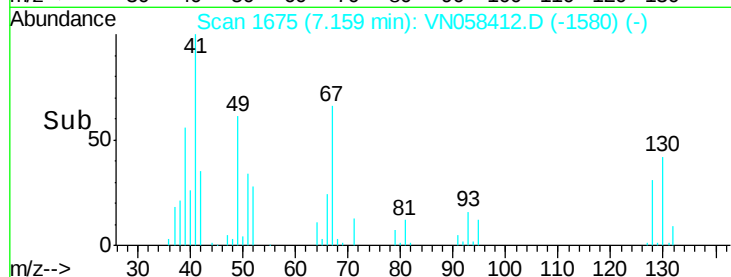
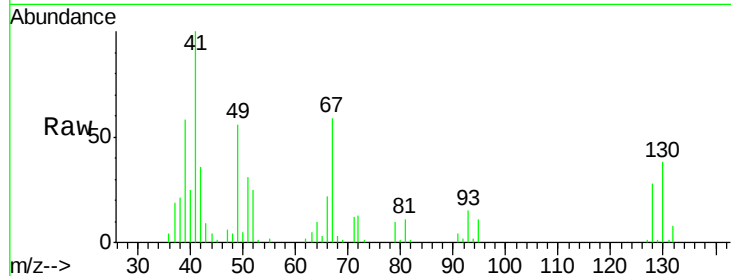
#41
Methacrylonitrile
Concen: 19.498 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

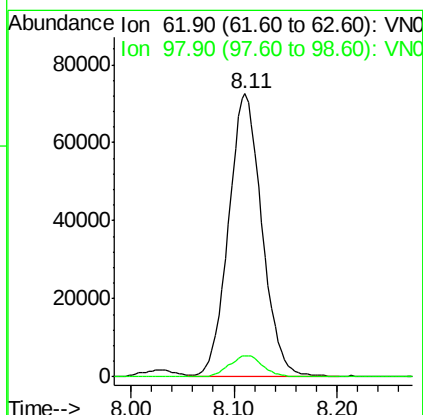
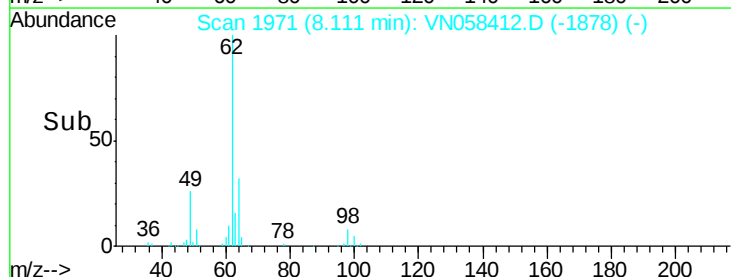
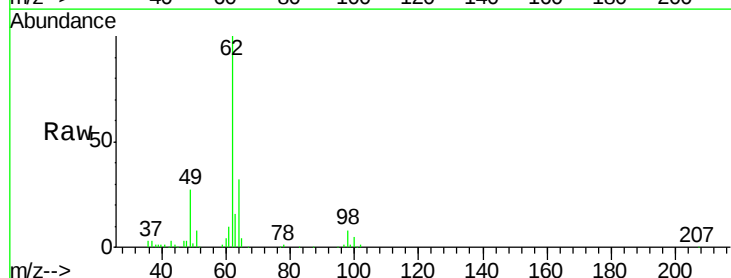
Manual Integrations
APPROVED

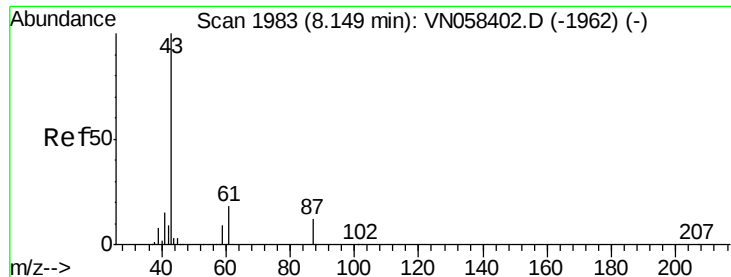
MMDadoda
9/30/2019 10:18:52 AM



#42
1,2-Dichloroethane
Concen: 20.189 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.6





#43

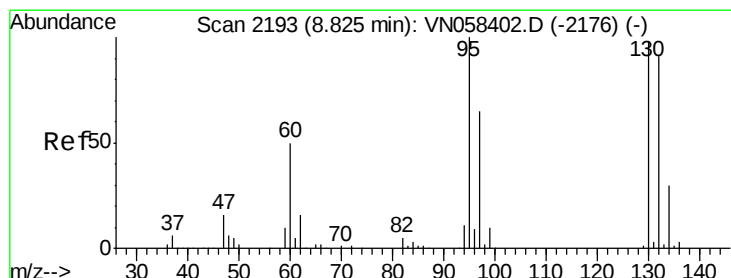
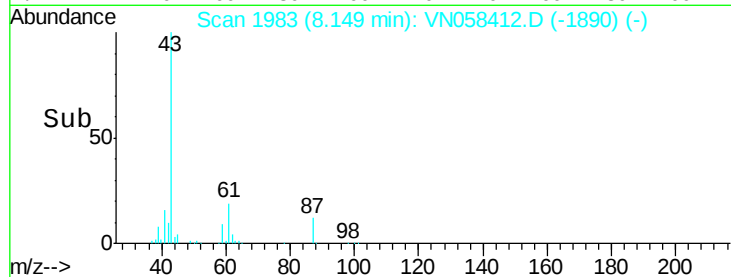
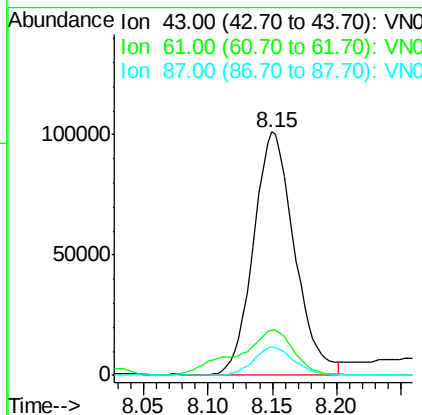
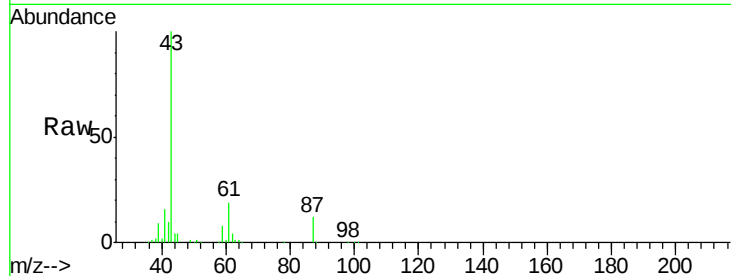
Isopropyl Acetate
 Concen: 19.382 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	14.8	22.2
87	11.7	9.7	14.5

Manual Integrations
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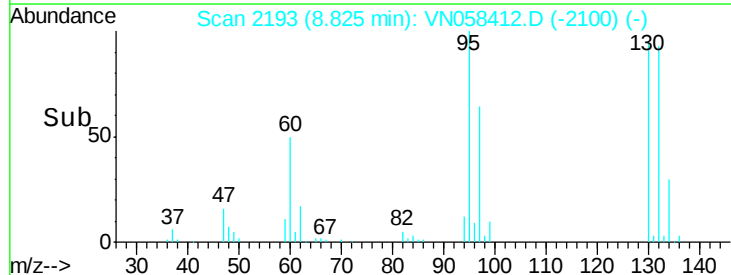
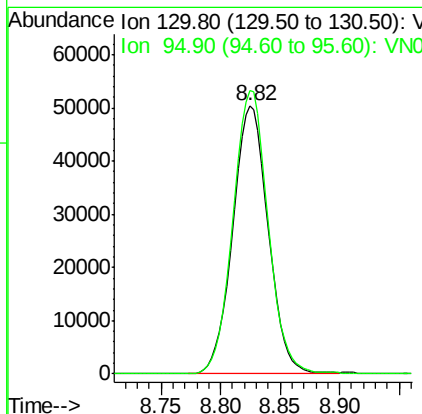
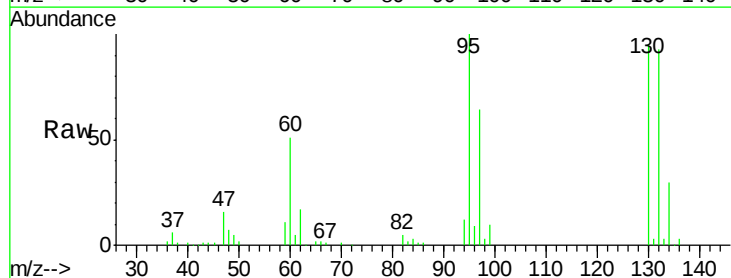
MMDadoda
 9/30/2019 10:18:52 AM

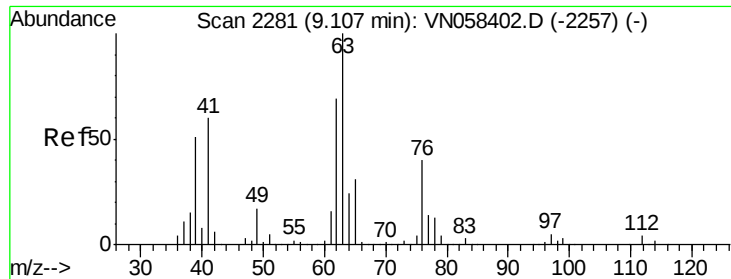


#44

Trichloroethene
 Concen: 20.273 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	204.2





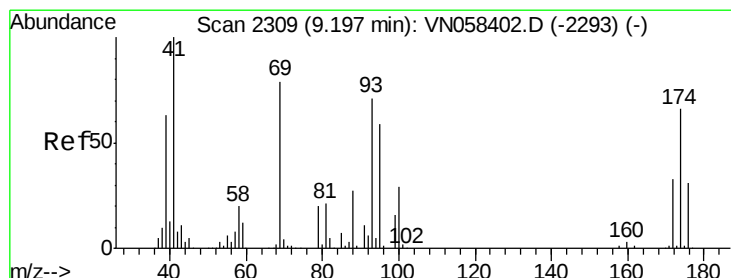
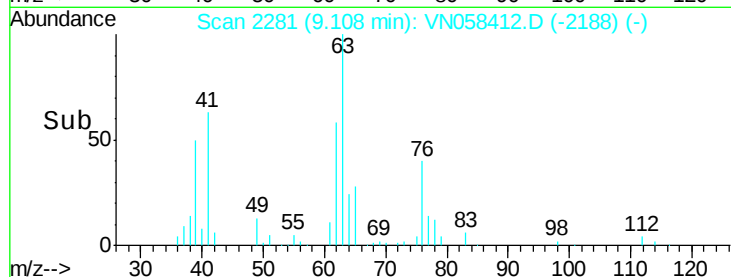
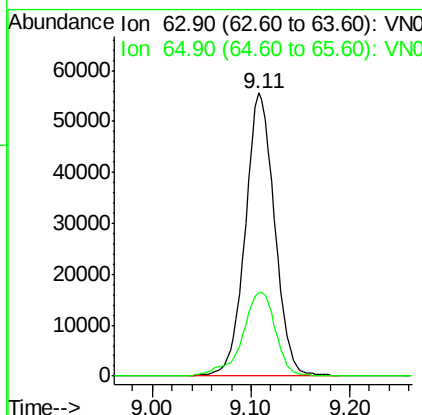
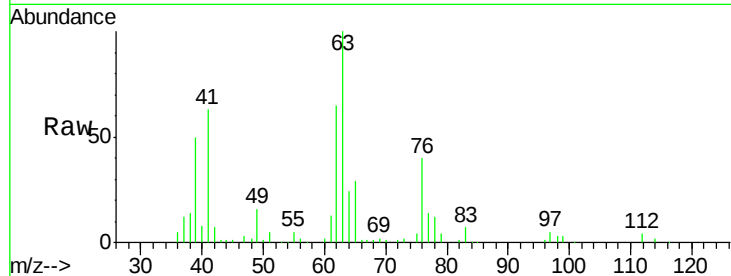
#45
 1,2-Dichloropropane
 Concen: 20.449 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion: 63 Resp: 113875
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.4

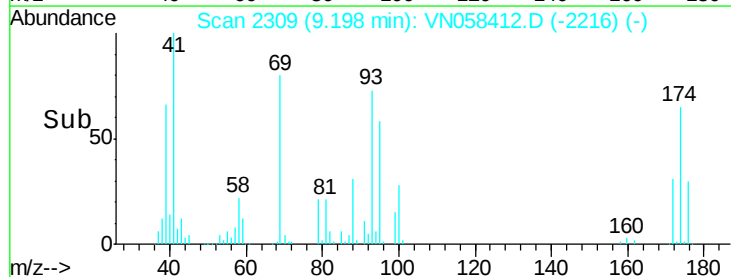
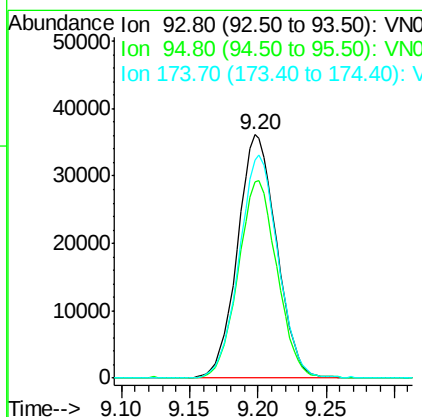
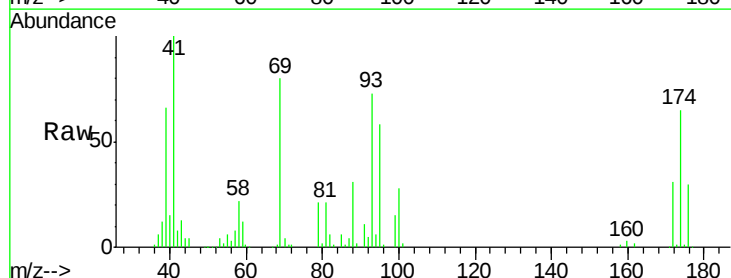
Manual Integrations
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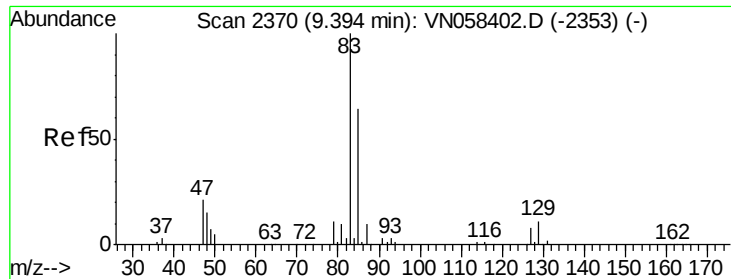
MMDadoda
 9/30/2019 10:18:52 AM



#46
 Dibromomethane
 Concen: 20.366 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 93 Resp: 71822
 Ion Ratio Lower Upper
 93 100
 95 80.6 67.0 100.4
 174 91.3 74.2 111.2





#47

Bromodichloromethane

Concen: 20.654 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

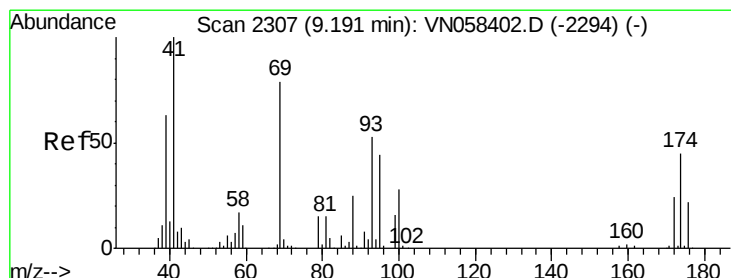
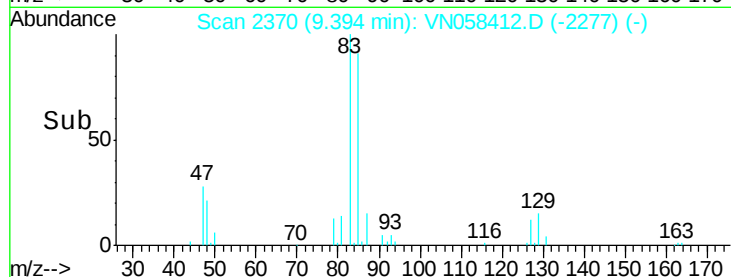
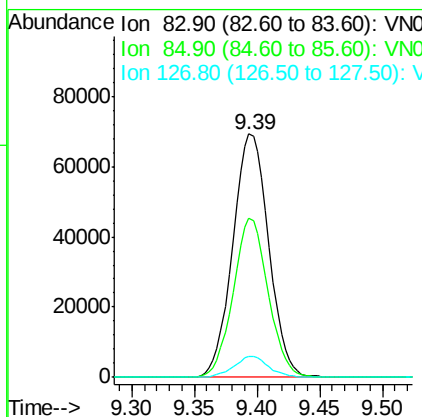
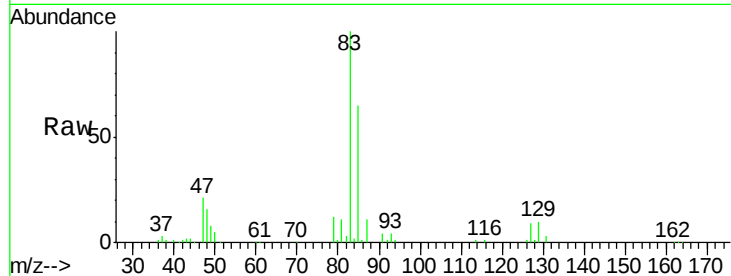
ClientSampleId :

VN0927WBS01

Tot Ion:	83	Resp:	138004
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.2	76.8
127	8.5	6.3	9.5

Manual Integrations
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MMDadoda
9/30/2019 10:18:52 AM



#48

Methyl methacrylate

Concen: 20.689 ug/l

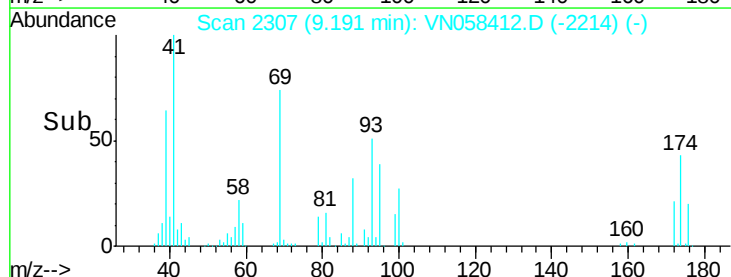
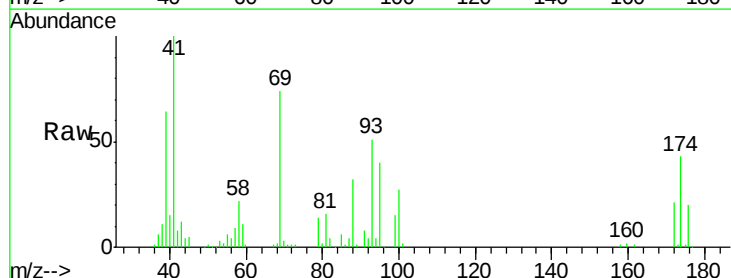
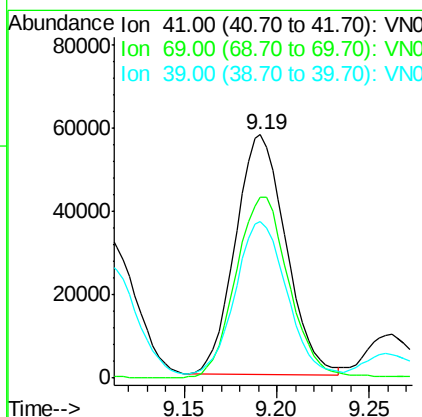
RT: 9.19 min Scan# 2307

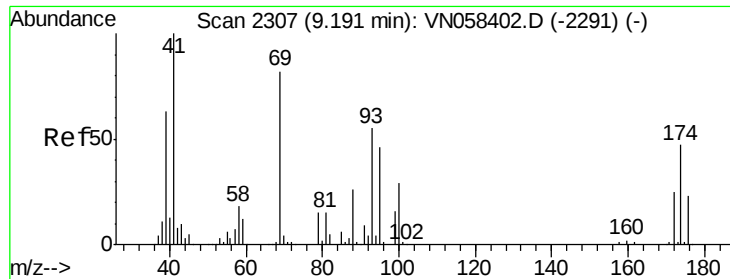
Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	41	Resp:	108494
Ion Ratio	Lower	Upper	
41	100		
69	80.7	64.7	97.1
39	67.5	52.9	79.3





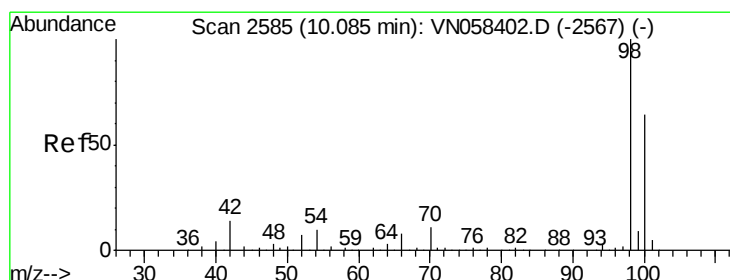
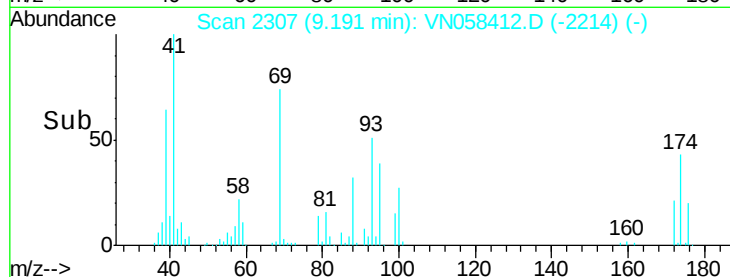
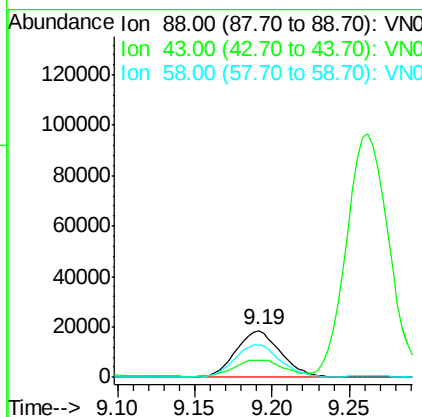
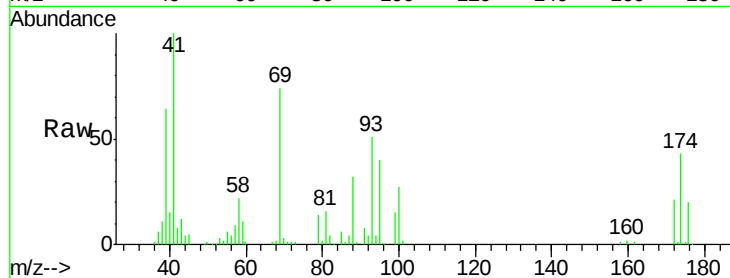
#49
1,4-Dioxane
Concen: 533.845 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	88	Resp	37433
Ion	Ratio	Lower	Upper
88	100		
43	37.5	31.1	46.7
58	71.5	58.1	87.1

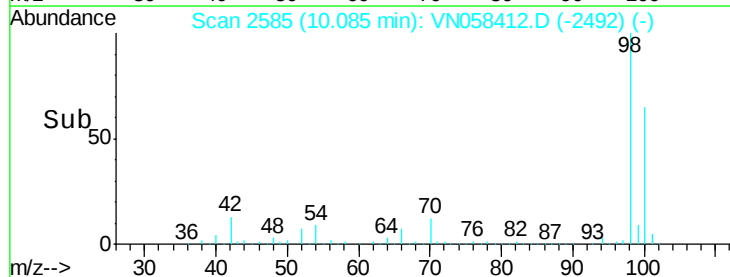
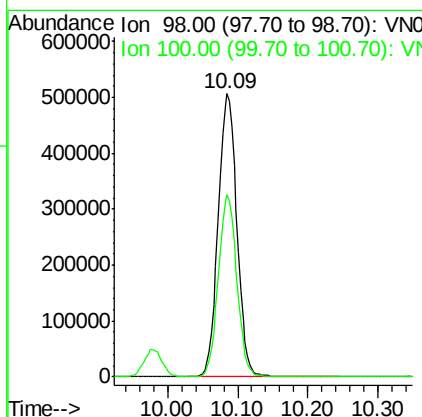
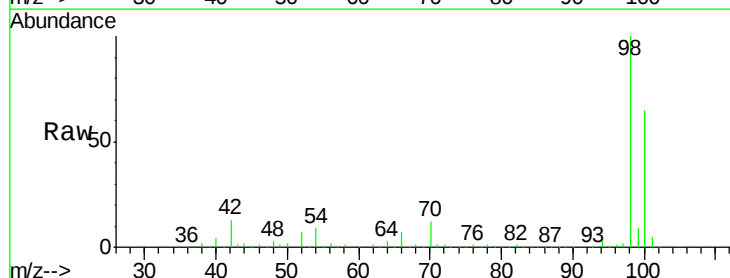
Manual Integrations
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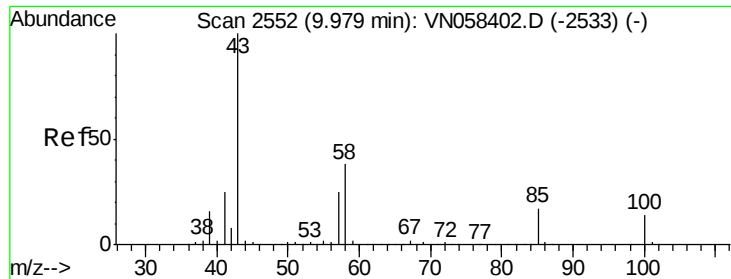
MMDadoda
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#50
Toluene-d8
Concen: 51.571 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	98	Resp	935381
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 113.240 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 43 Resp: 669888

Ion Ratio Lower Upper

43 100

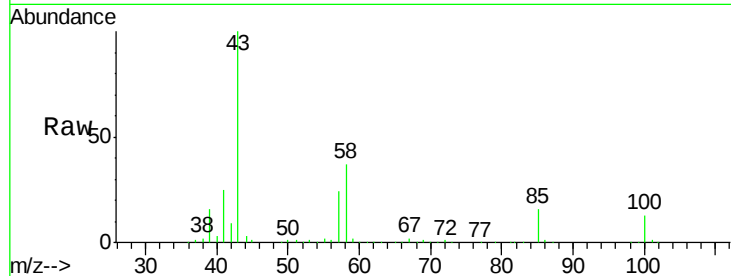
58 37.2 30.2 45.2

Manual Integrations

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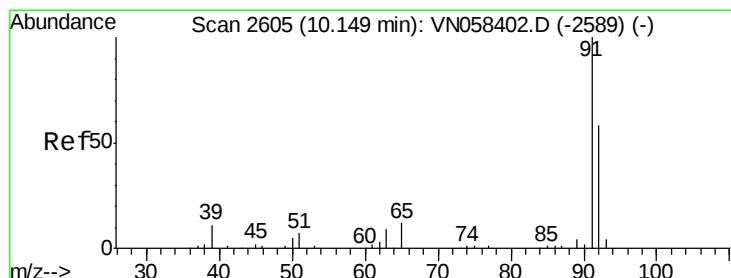
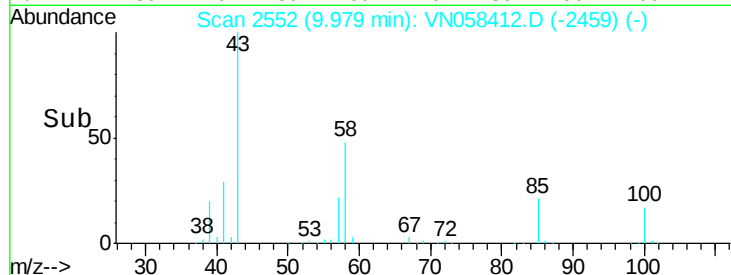
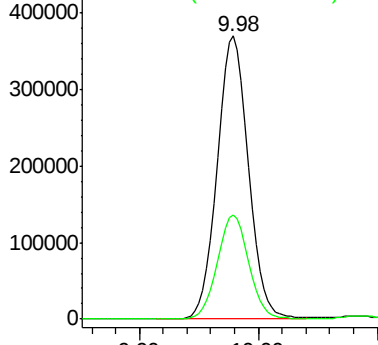
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.762 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058412.D

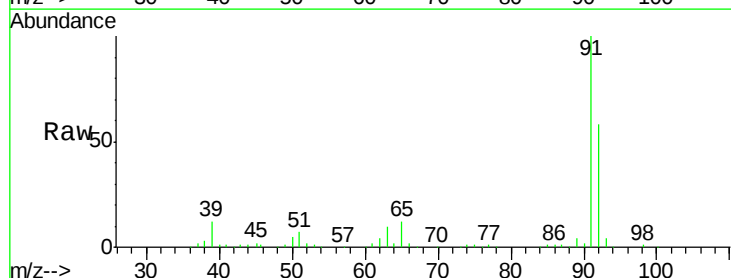
Acq: 27 Sep 2019 16:51

Tgt Ion: 92 Resp: 258270

Ion Ratio Lower Upper

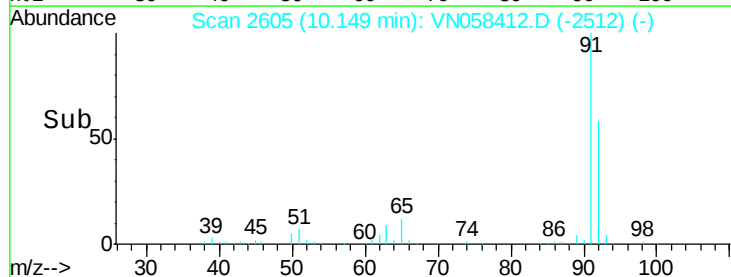
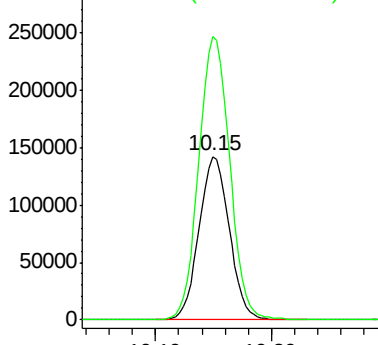
92 100

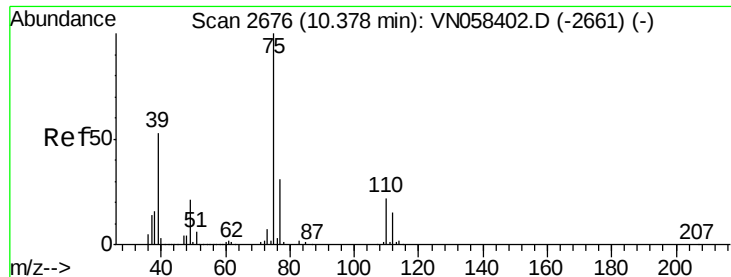
91 176.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





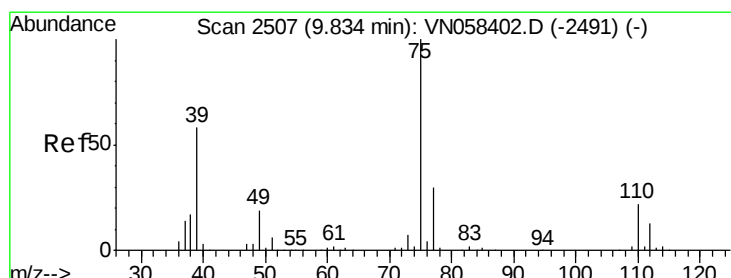
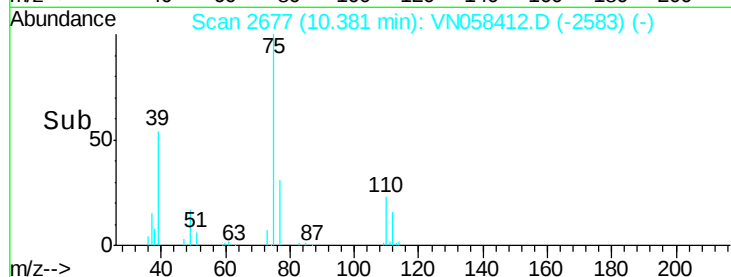
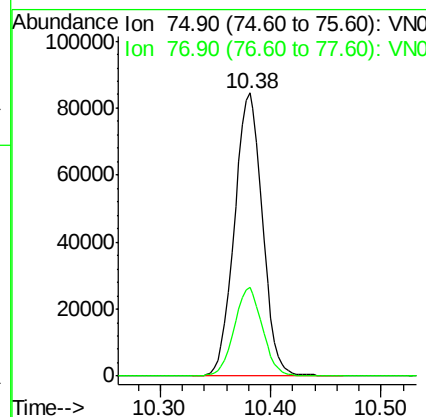
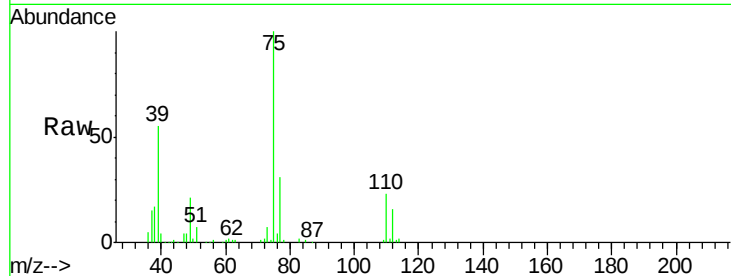
#53
t-1,3-Dichloropropene
Concen: 20.481 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8

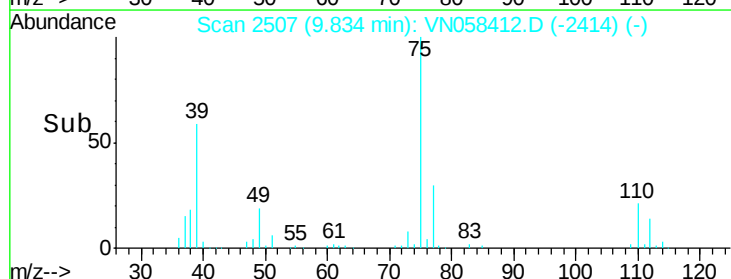
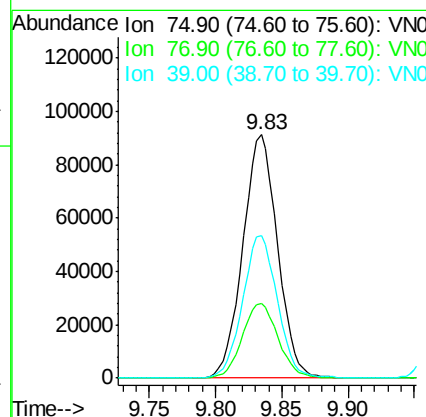
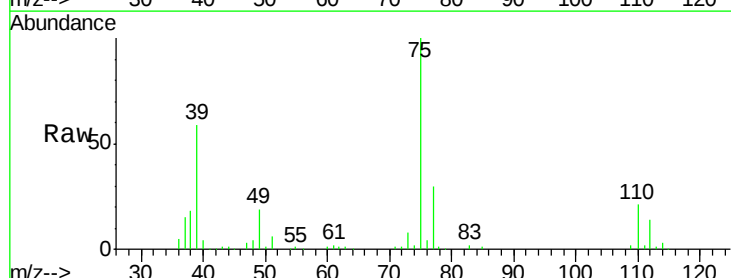
Manual Integrations
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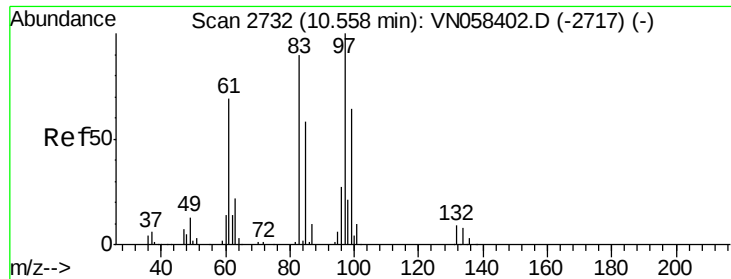
MMDadoda
9/30/2019 10:18:52 AM



#54
cis-1,3-Dichloropropene
Concen: 20.563 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.2	36.4
39	58.6	46.4	69.6





#55

1,1,2-Trichloroethane

Concen: 20.910 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

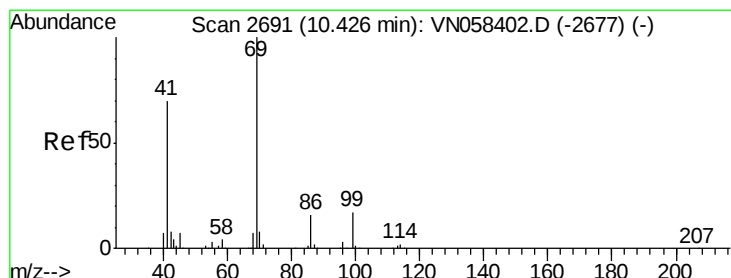
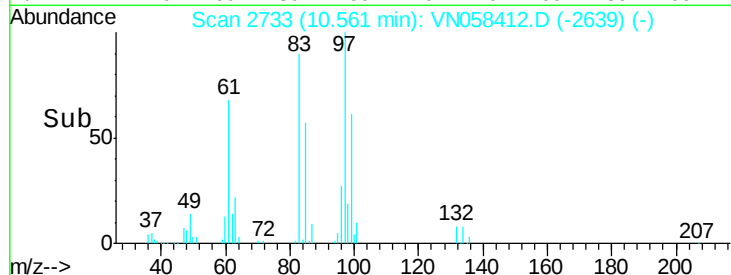
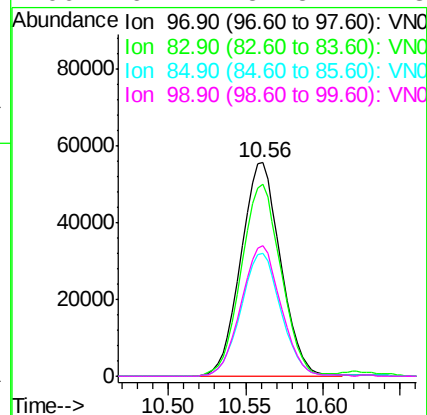
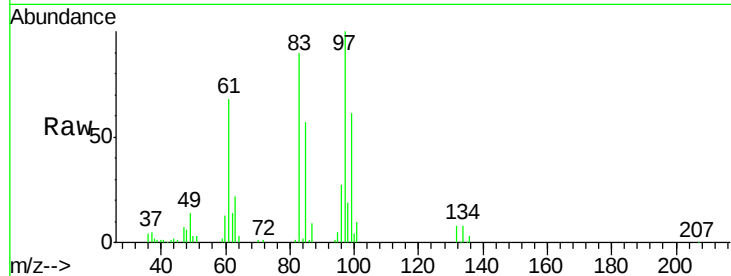
ClientSampleId :

VN0927WBS01

Tot Ion:	97	Resp:	99507
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.8	107.6
85	57.3	46.6	69.8
99	61.1	51.5	77.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.030 ug/l

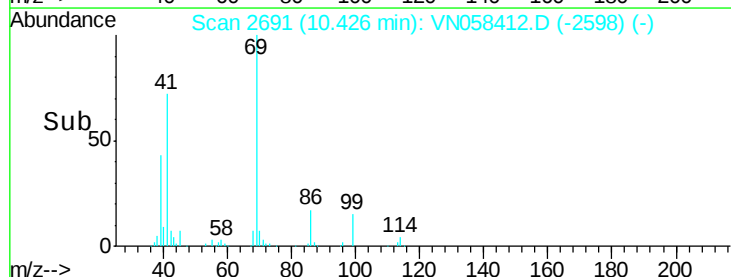
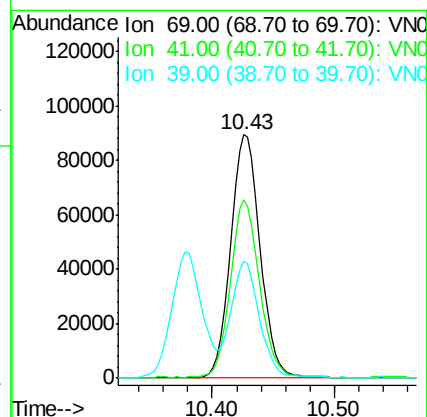
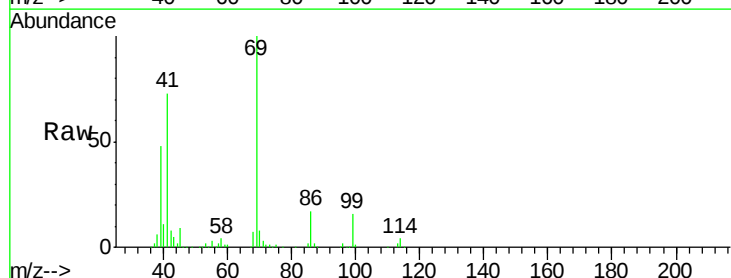
RT: 10.43 min Scan# 2691

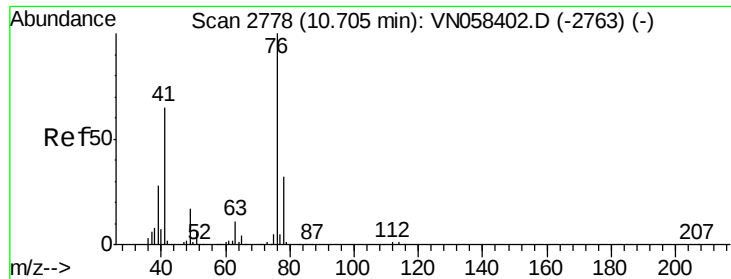
Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	69	Resp:	151856
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.3	84.5
39	46.3	35.8	53.6





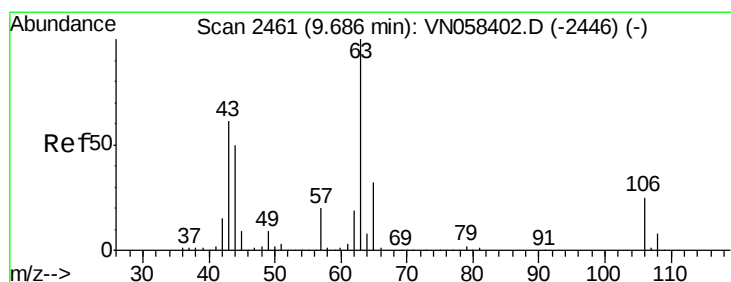
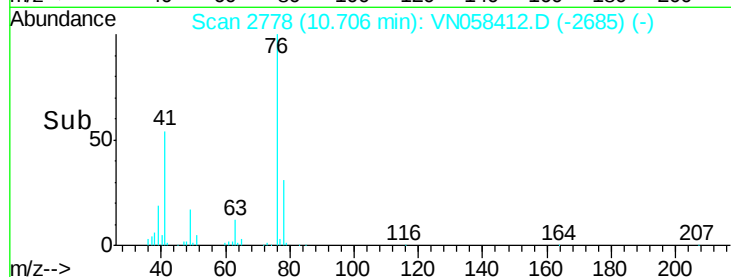
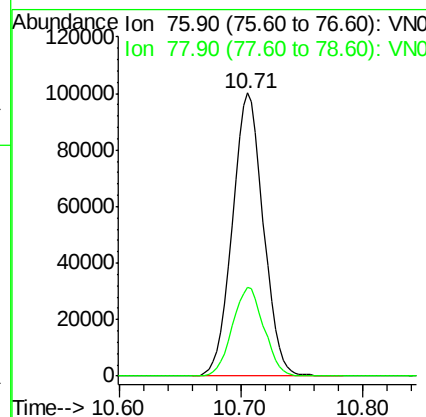
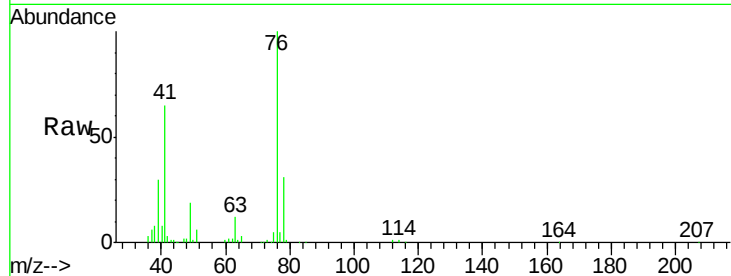
#57
 1,3-Dichloropropane
 Concen: 20.870 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion: 76 Resp: 177152
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

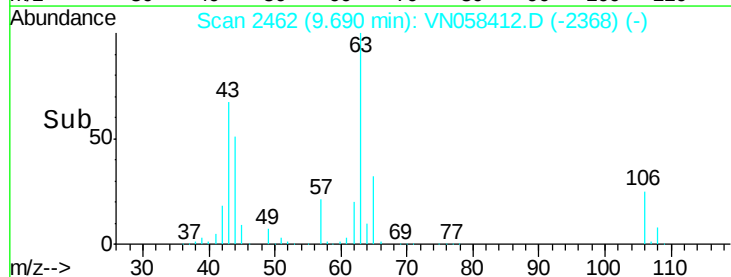
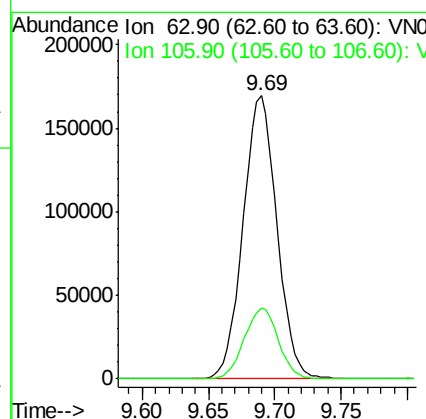
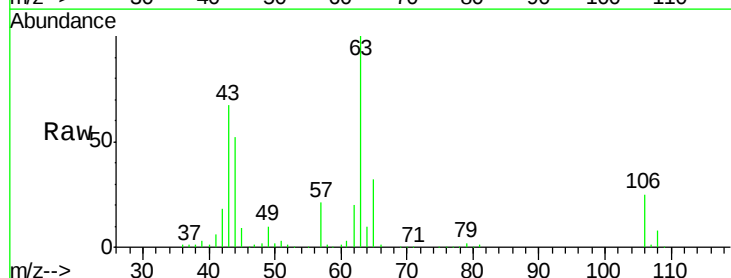
Manual Integrations
 APPROVED

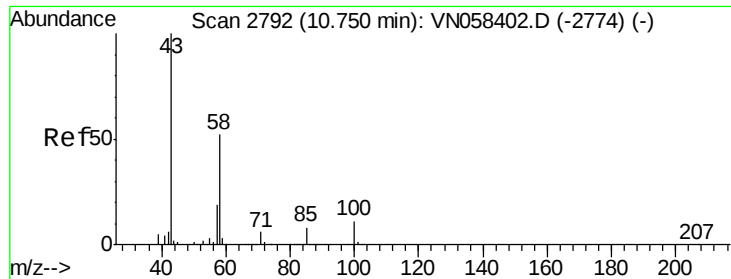
MMDadoda
 9/30/2019 10:18:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.210 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 63 Resp: 300055
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.3 30.5





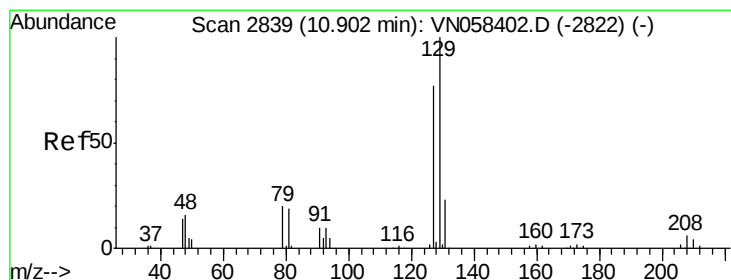
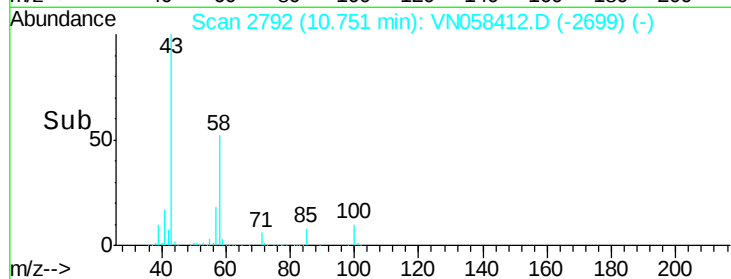
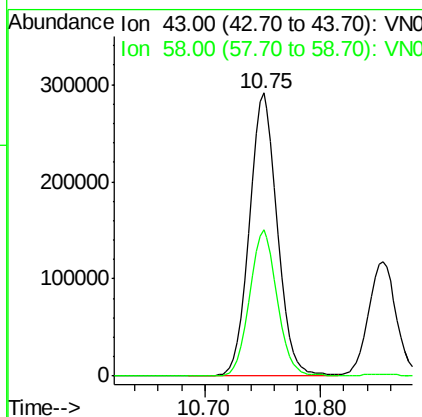
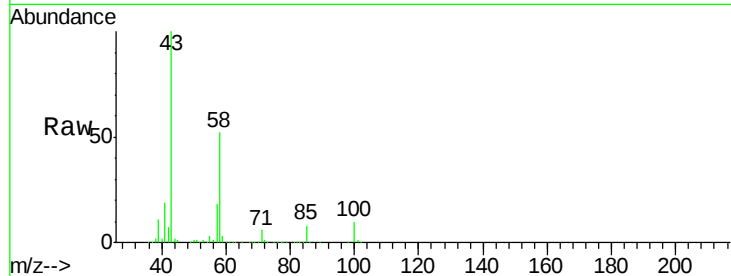
#59
2-Hexanone
Concen: 113.545 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	43	Resp	489096
Ion Ratio	100	Lower	Upper
43	100		
58	51.4	25.8	77.3

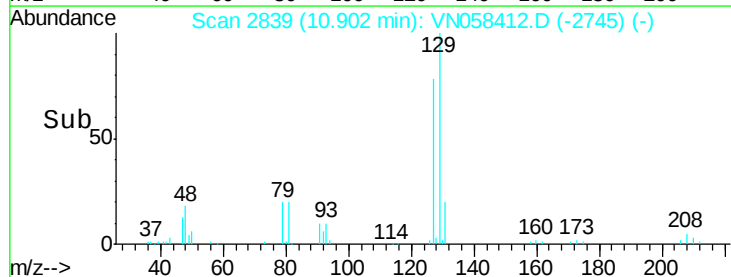
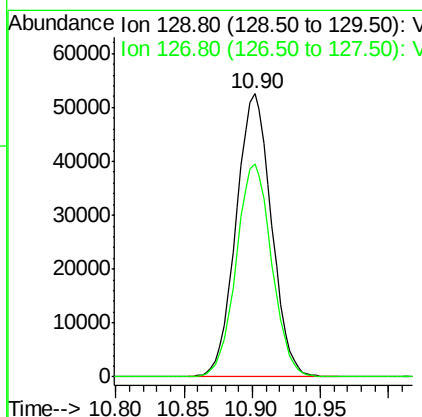
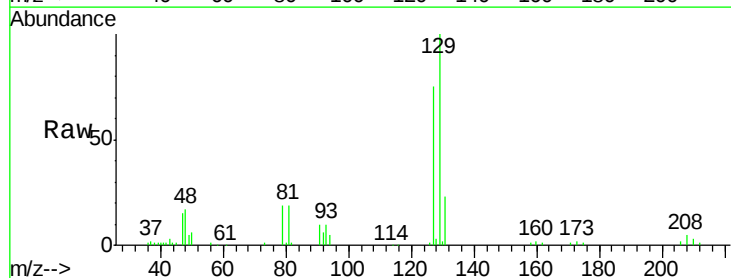
Manual Integrations
APPROVED

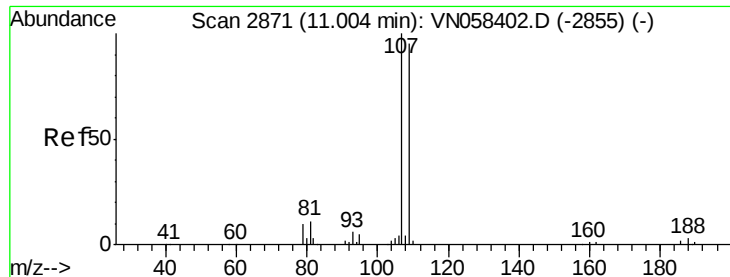
MMDadoda
9/30/2019 10:18:52 AM



#60
Dibromochloromethane
Concen: 18.860 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	129	Resp	94637	
Ion Ratio	129	100	Lower	Upper
129	100			
127	75.6	38.3	114.8	





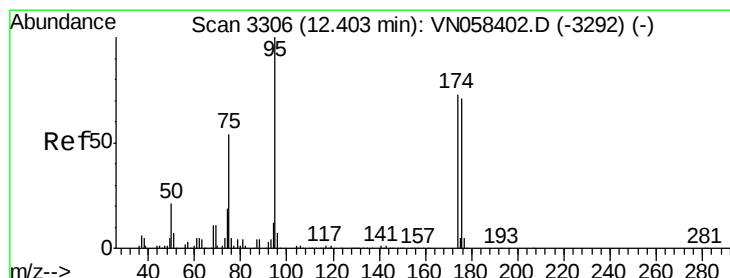
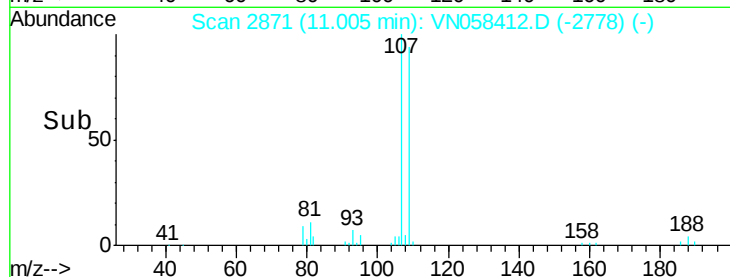
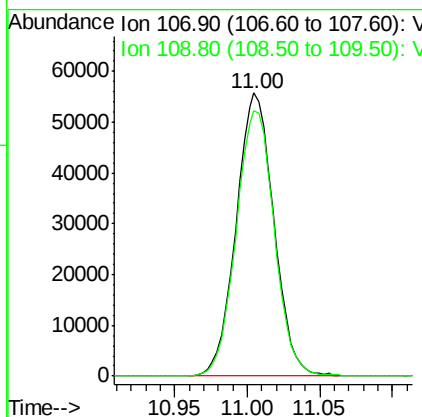
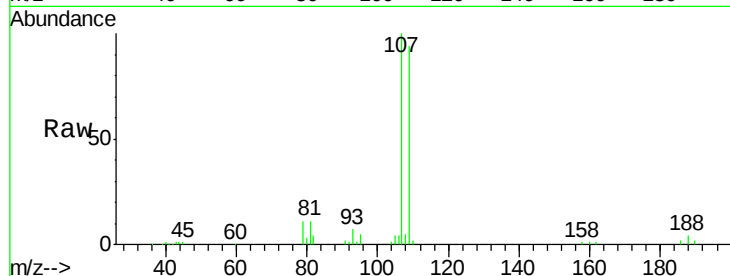
#61
 1,2-Dibromoethane
 Concen: 20.652 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	100420		
109	95.2	75.3	112.9	

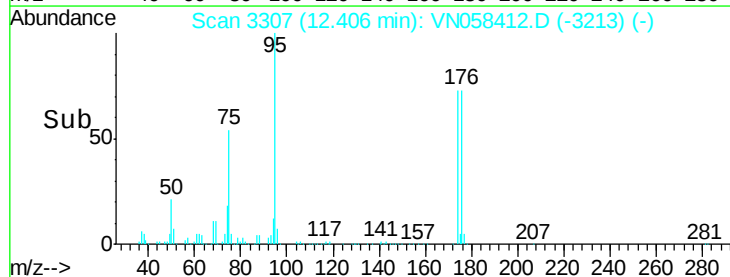
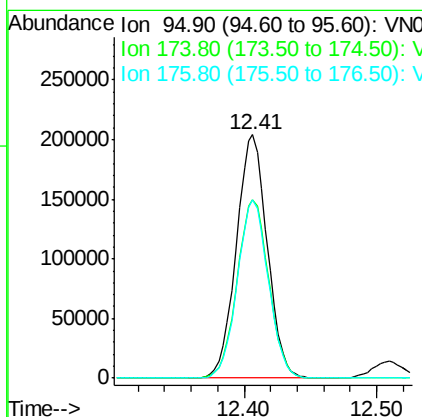
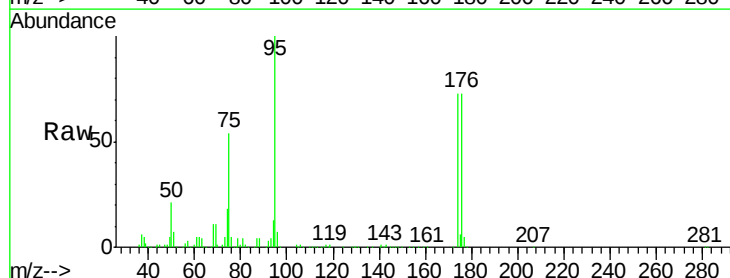
Manual Integrations
 APPROVED

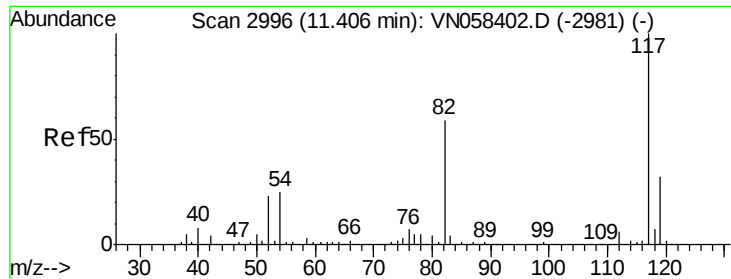
MMDadoda
 9/30/2019 10:18:52 AM



#62
 4-Bromofluorobenzene
 Concen: 50.303 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	329905		
174	74.9	0.0	150.6	
176	73.6	0.0	146.2	





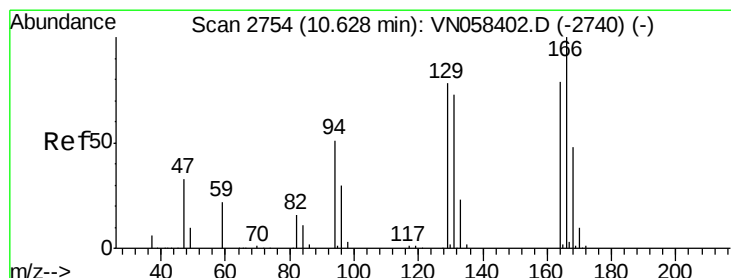
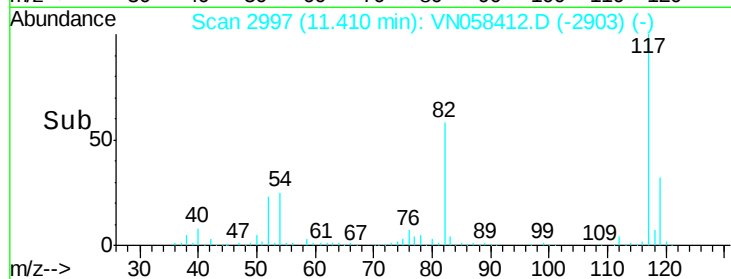
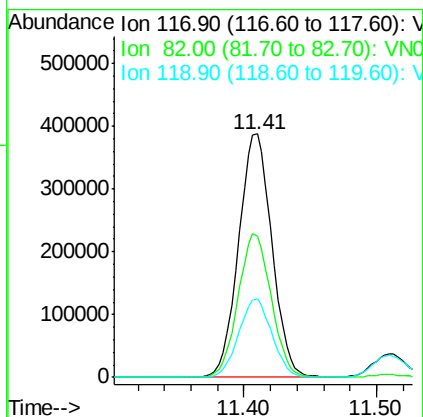
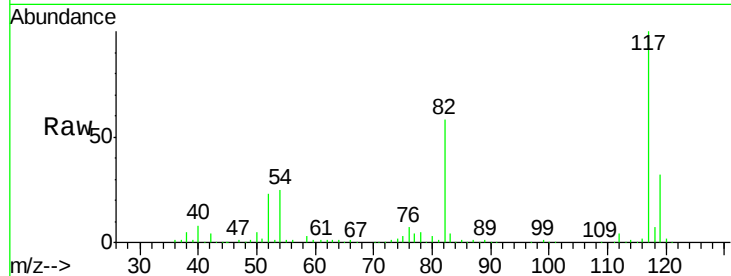
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.4	71.0
119	32.1	25.5	38.3

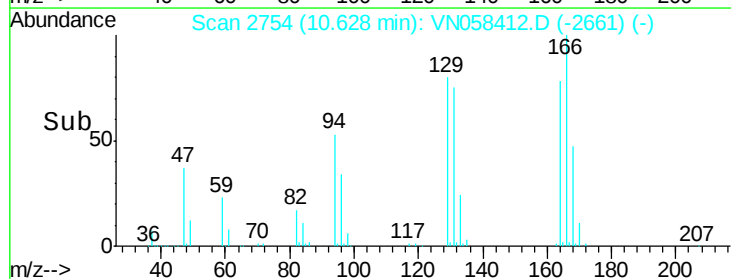
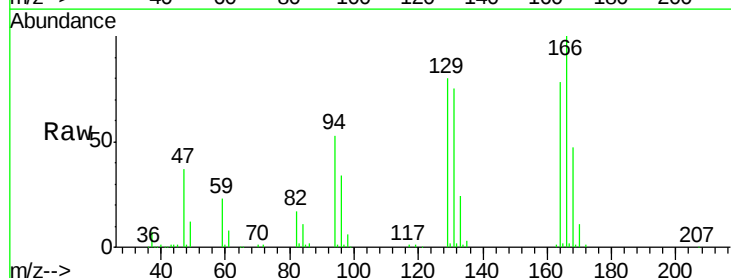
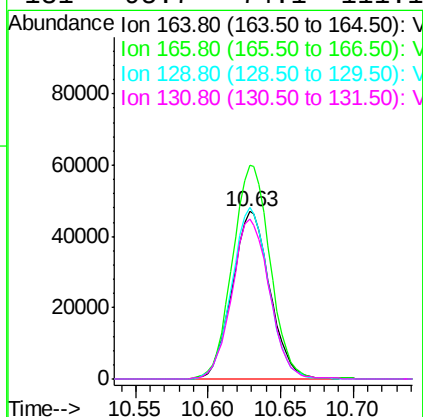
Manual Integrations
APPROVED

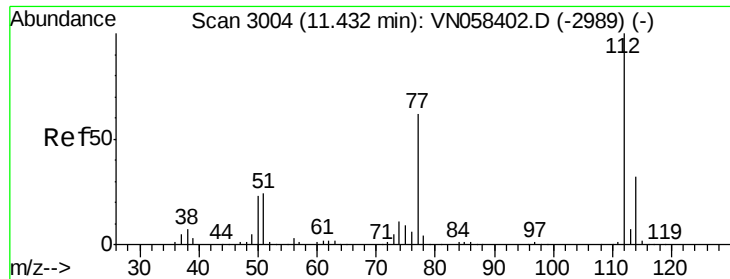
MMDadoda
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#64
Tetrachloroethene
Concen: 19.702 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.1	151.7
129	102.1	79.2	118.8
131	95.7	74.1	111.1





#65

Chlorobenzene

Concen: 20.387 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion:112 Resp: 274554

Ion Ratio Lower Upper

112 100

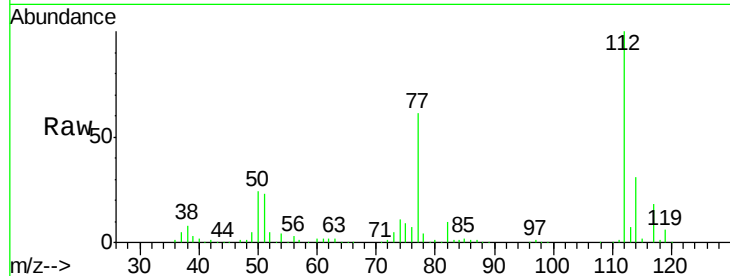
114 31.0 25.4 38.2

Manual Integrations

APPROVED

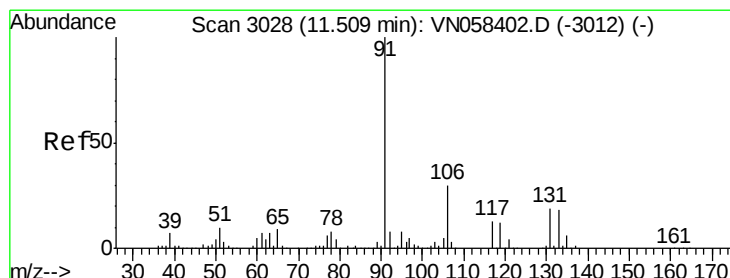
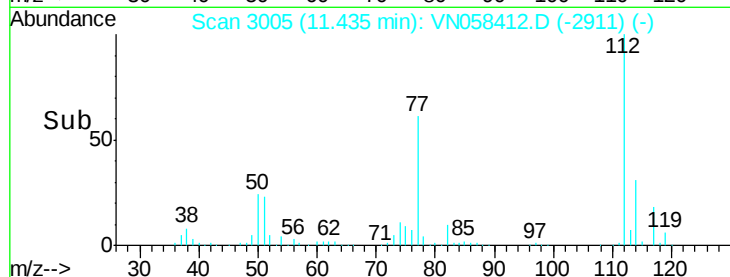
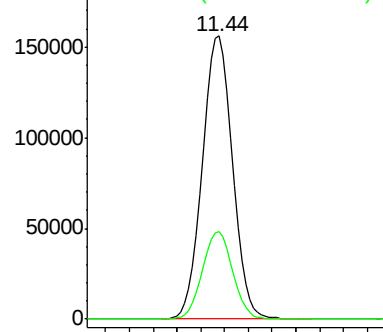
MMDadoda

9/30/2019 10:18:52 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.879 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

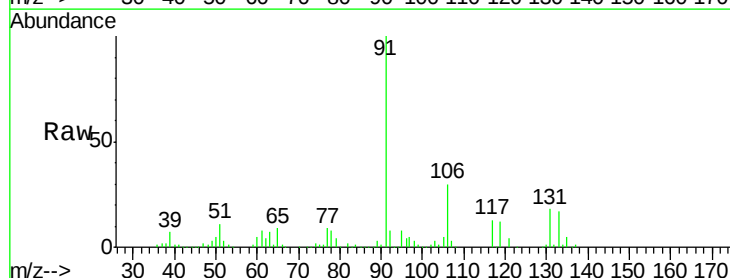
Tgt Ion:131 Resp: 94737

Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.3

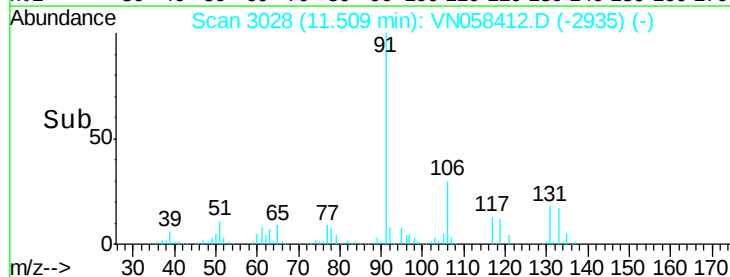
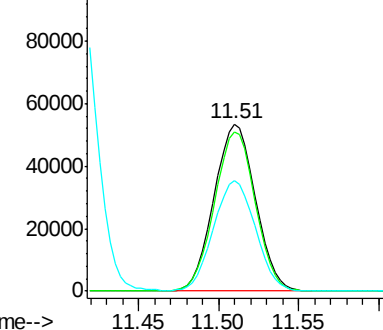
119 67.1 33.0 99.0

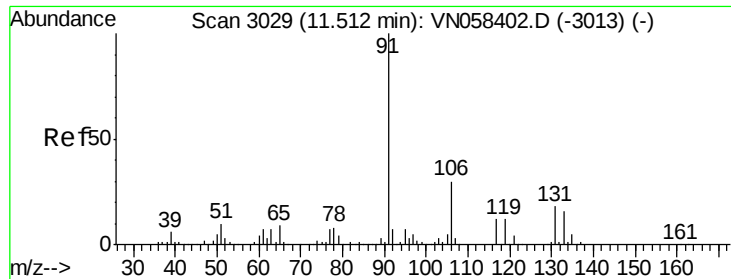


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





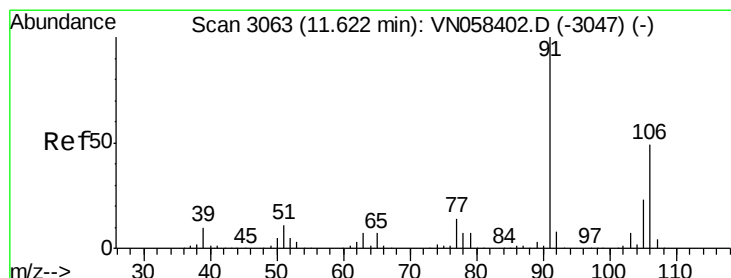
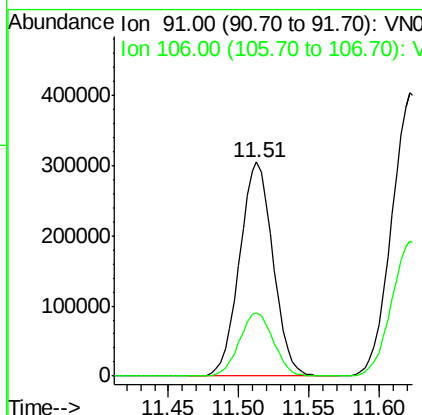
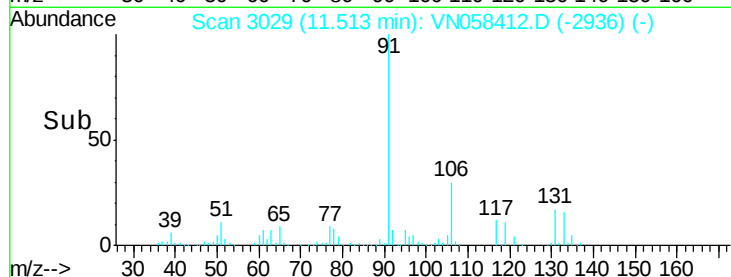
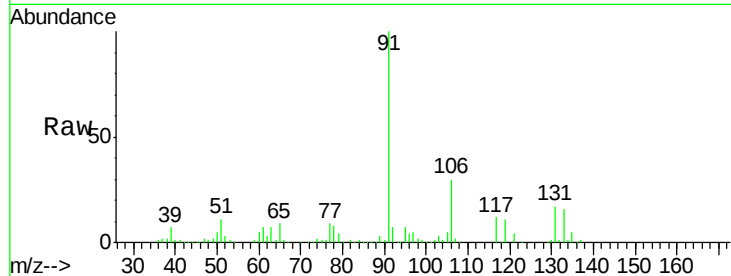
#67
Ethyl Benzene
Concen: 20.789 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion: 91 Resp: 507102
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

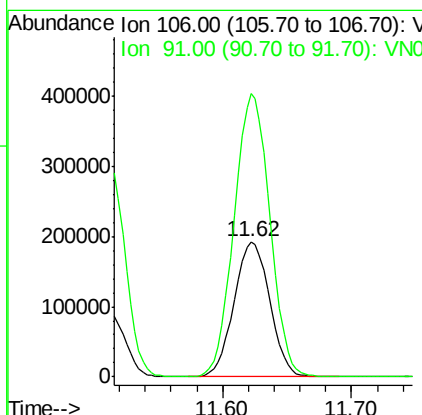
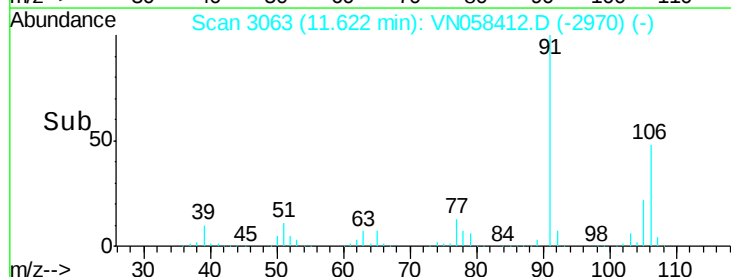
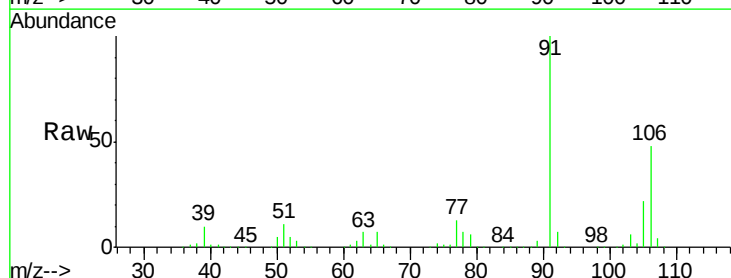
Manual Integrations
APPROVED

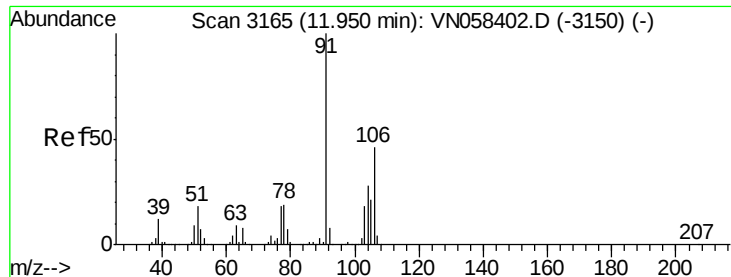
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#68
m/p-Xylenes
Concen: 40.204 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 106 Resp: 368970
Ion Ratio Lower Upper
106 100
91 210.1 165.0 247.4





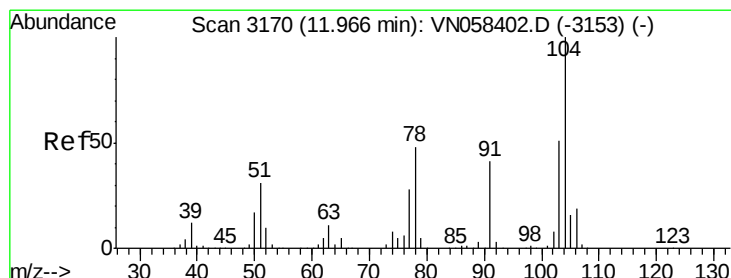
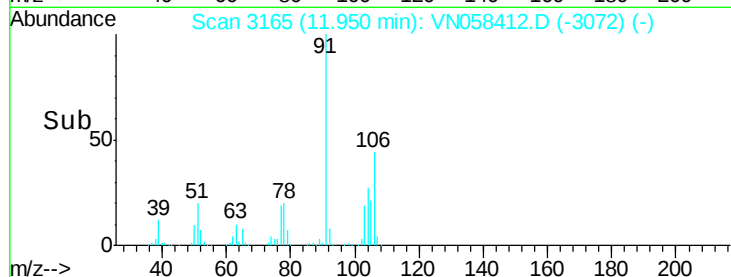
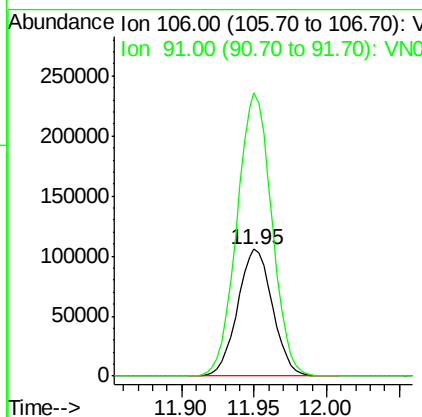
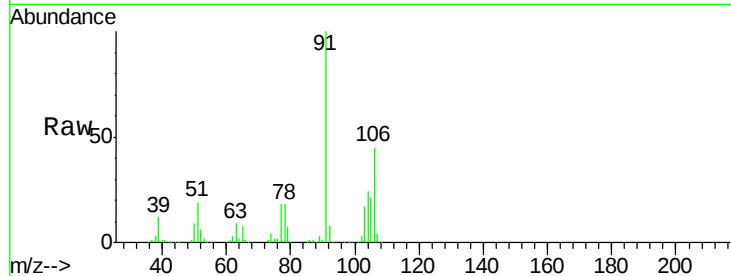
#69
o-Xylene
Concen: 19.997 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	222.9	109.1	327.4	

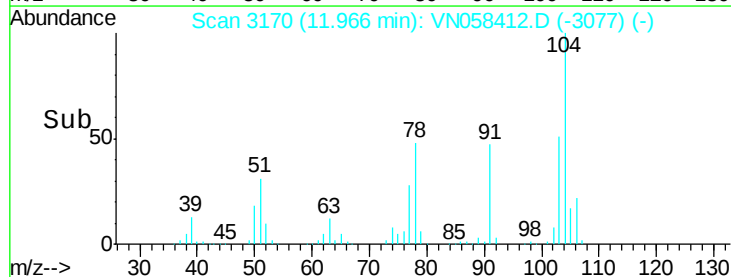
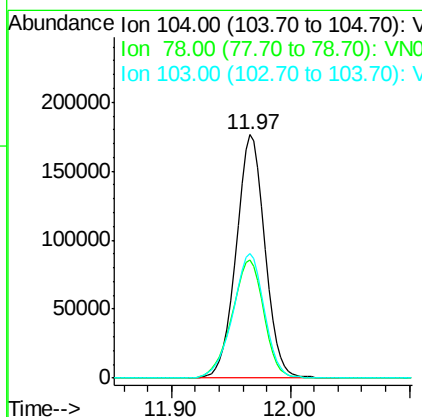
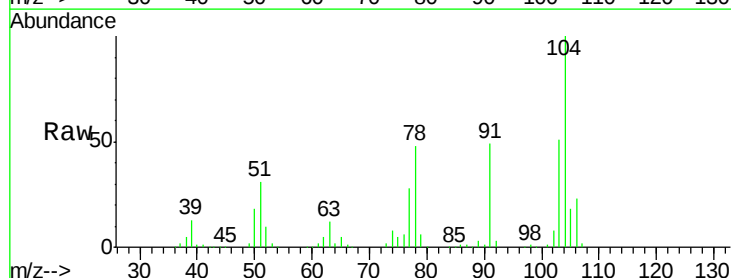
Manual Integrations
APPROVED

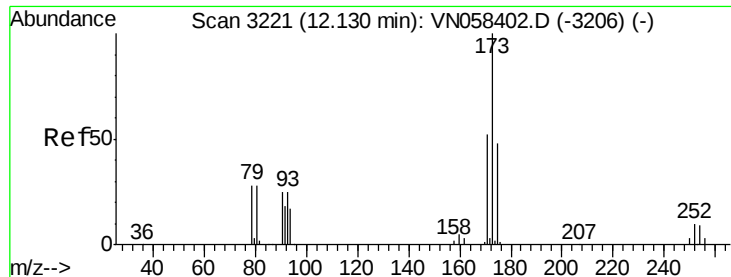
MMDadoda
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#70
Styrene
Concen: 20.575 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.9	42.8	64.2	
103	56.0	43.7	65.5	





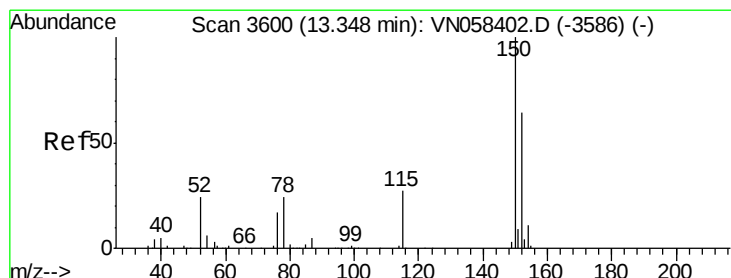
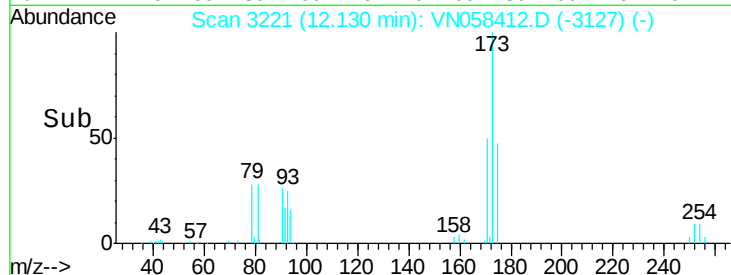
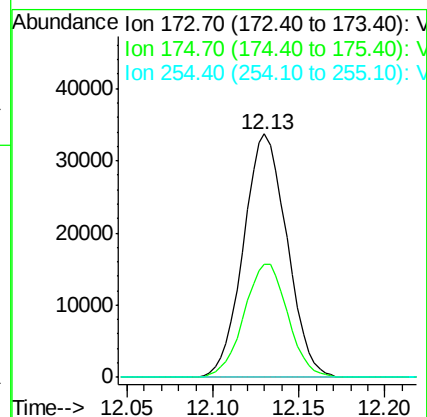
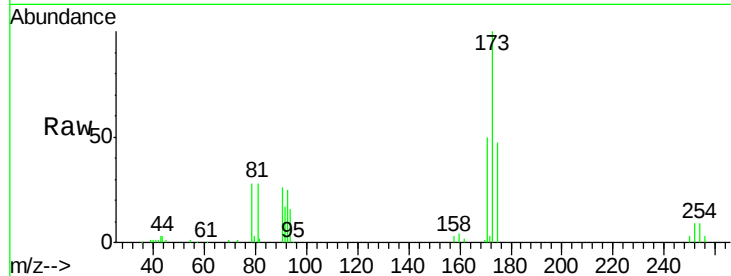
#71
Bromoform
Concen: 19.301 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.3	73.0
254	0.0	0.1	0.1#

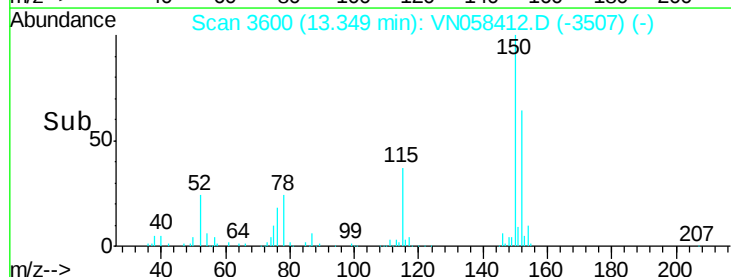
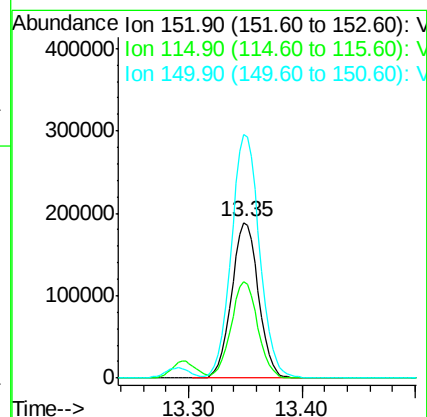
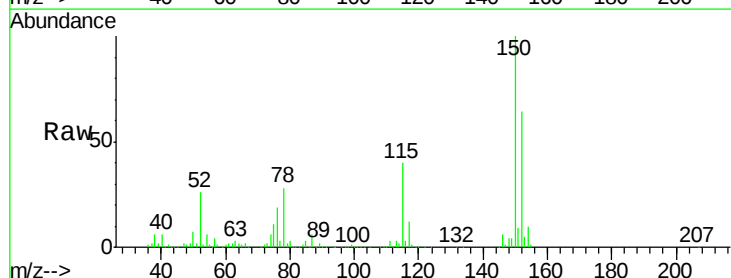
Manual Integrations
APPROVED

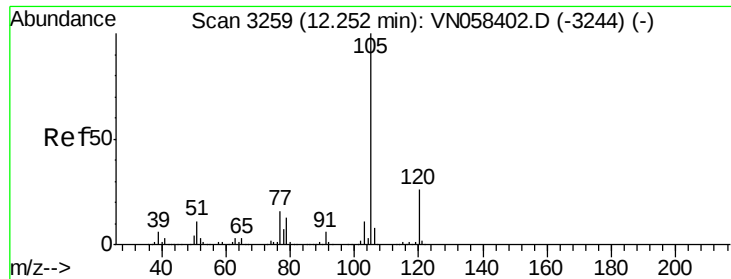
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.0	90.0
150	164.2	0.0	348.2





#73

Isopropylbenzene

Concen: 21.189 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion:105 Resp: 487584

Ion Ratio Lower Upper

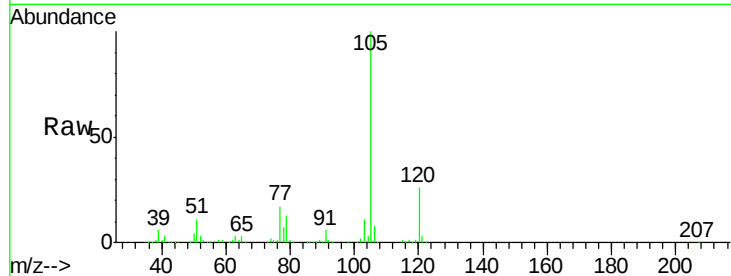
105 100

120 26.2 12.8 38.4

Manual Integrations
APPROVED

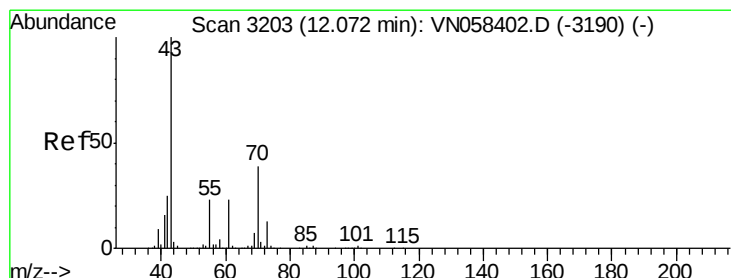
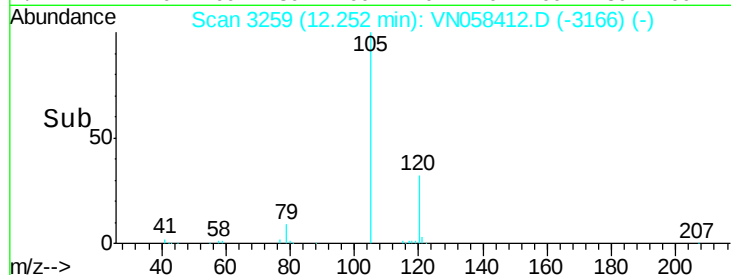
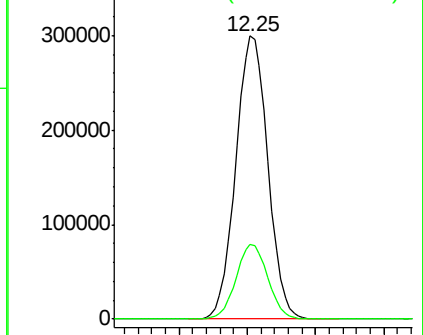
MMDadoda

9/30/2019 10:18:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.217 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion: 43 Resp: 194233

Ion Ratio Lower Upper

43 100

70 40.1 31.4 47.2

55 22.8 18.2 27.4

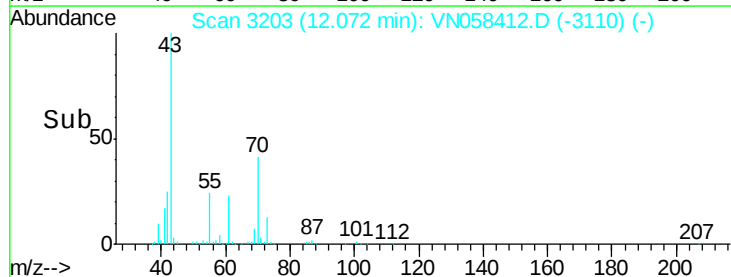
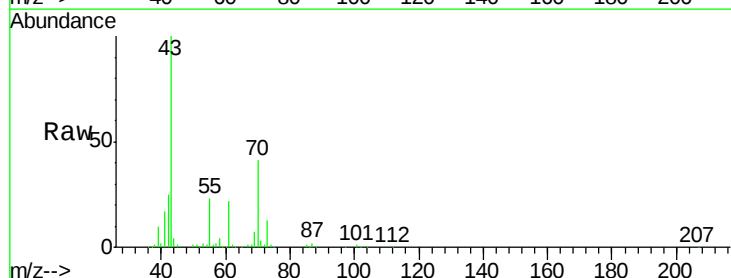
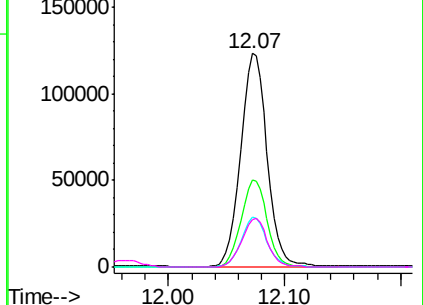
61 22.4 18.3 27.5

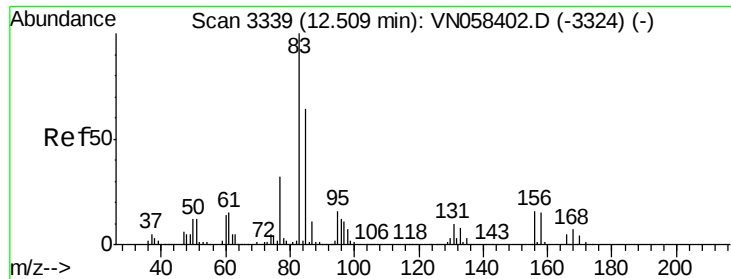
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.047 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

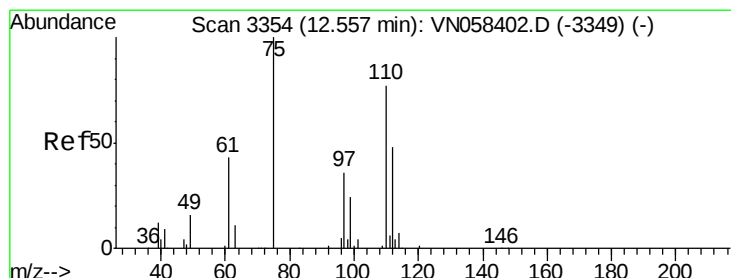
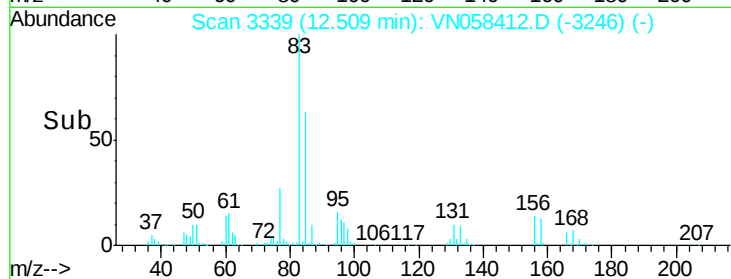
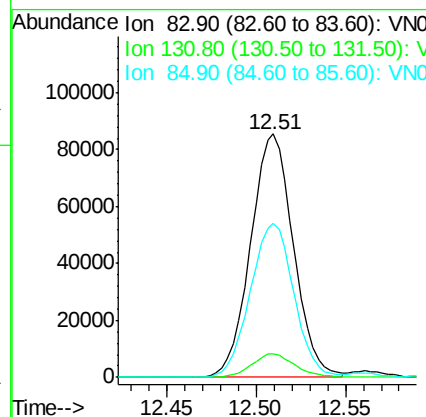
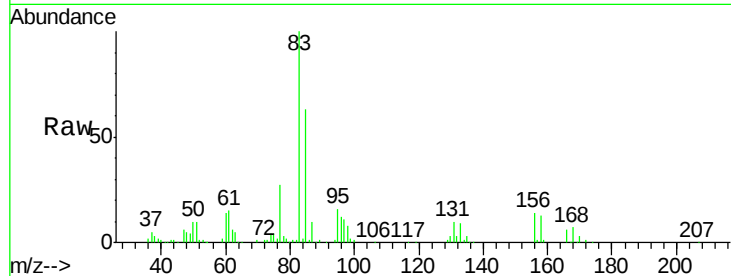
ClientSampleId :

VN0927WBS01

Tot Ion:	83	Resp:	143213
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.5	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.735 ug/l m

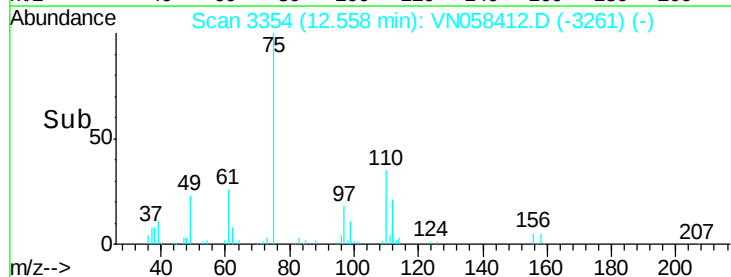
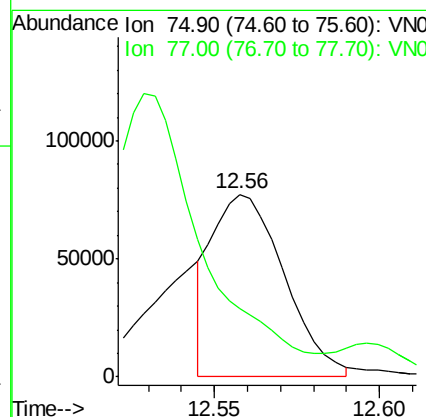
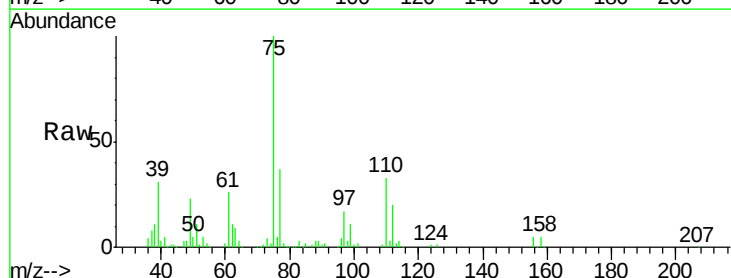
RT: 12.56 min Scan# 3354

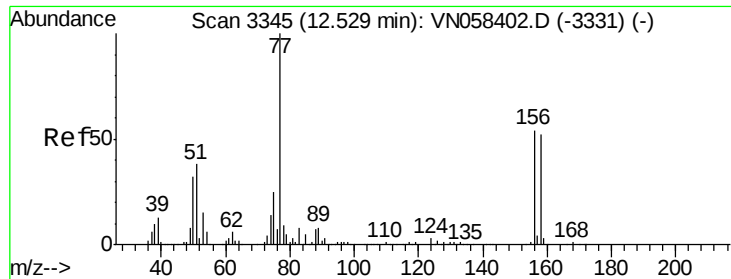
Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	75	Resp:	117928
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





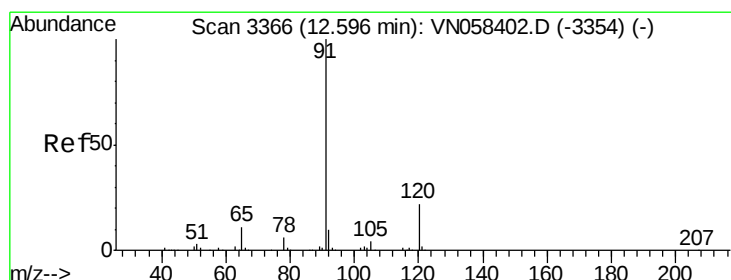
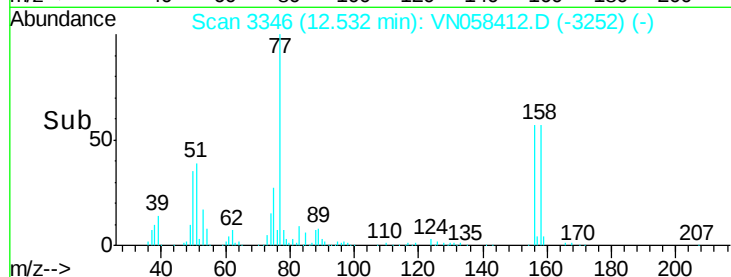
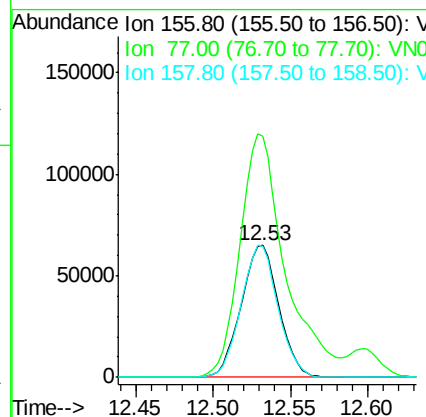
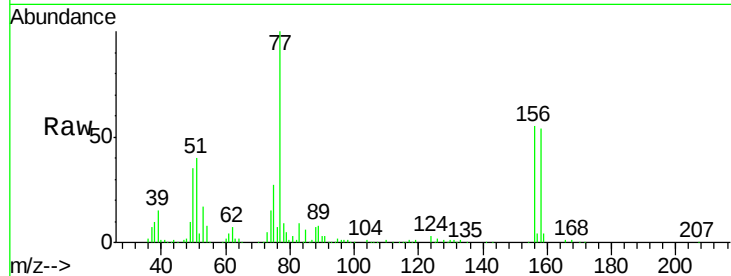
#77
Bromobenzene
Concen: 20.370 ug/l
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.3	110.0	330.0
158	98.0	47.9	143.8

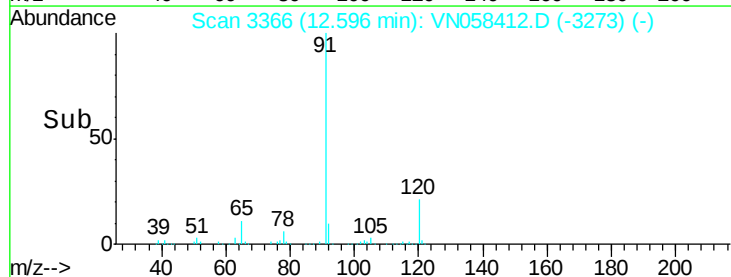
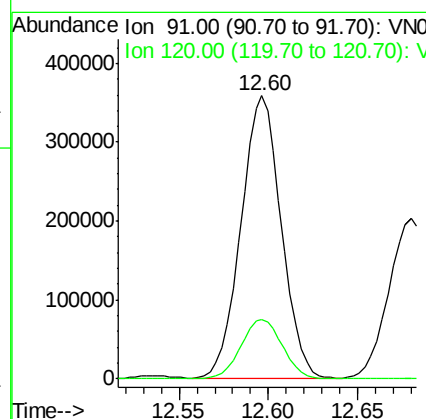
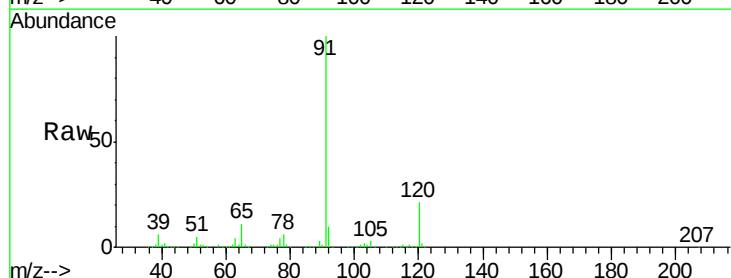
Manual Integrations
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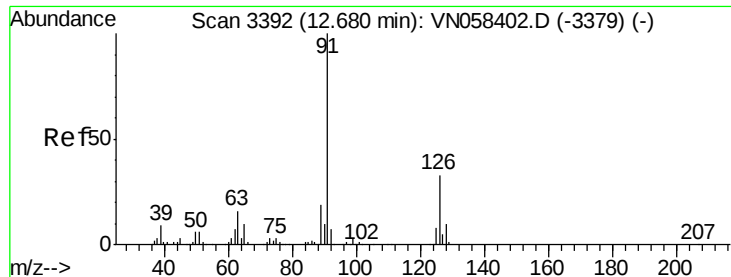
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#78
n-propylbenzene
Concen: 21.644 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.9





#79

2-Chlorotoluene

Concen: 20.805 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 91 Resp: 332912

Ion Ratio Lower Upper

91 100

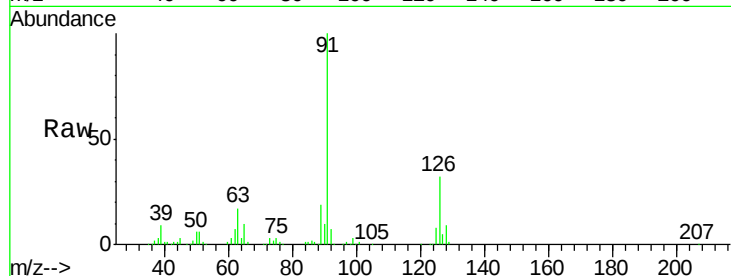
126 32.2 16.2 48.6

Manual Integrations

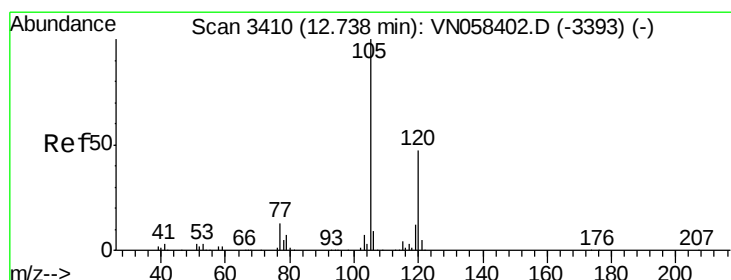
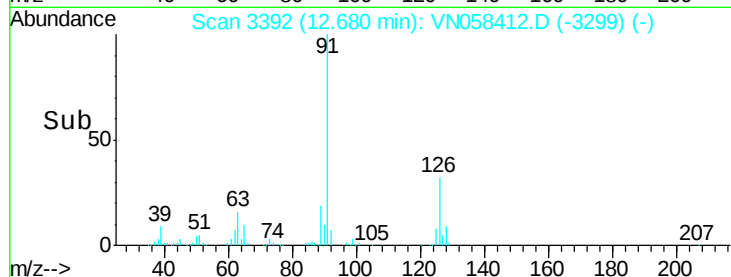
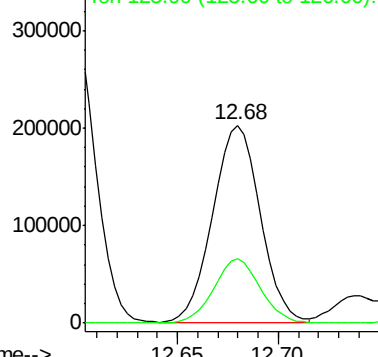
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Abundance Ion 91.00 (90.70 to 91.70): VN058412.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.236 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058412.D

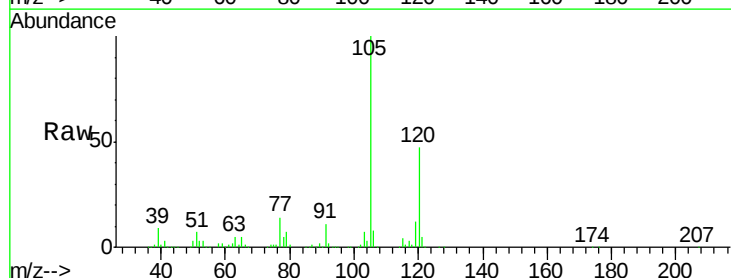
Acq: 27 Sep 2019 16:51

Tgt Ion: 105 Resp: 409060

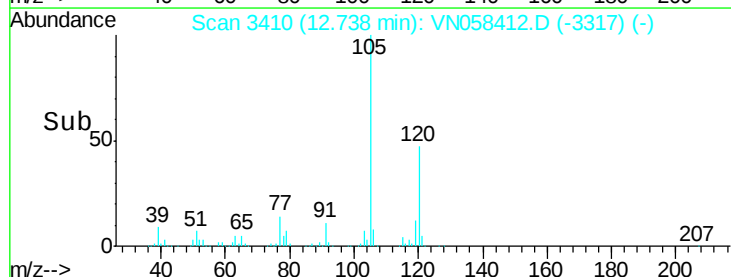
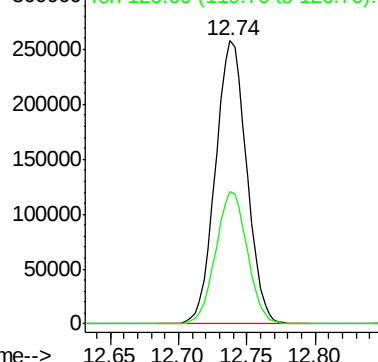
Ion Ratio Lower Upper

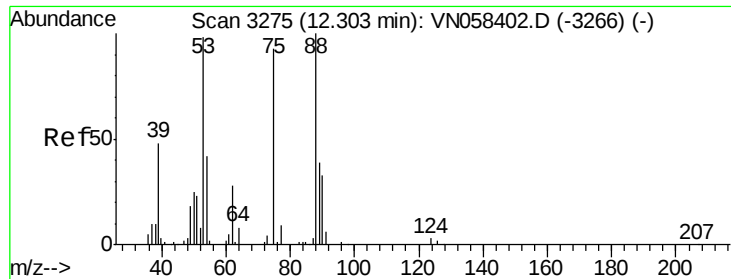
105 100

120 47.3 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058412.D (-3317) (-)





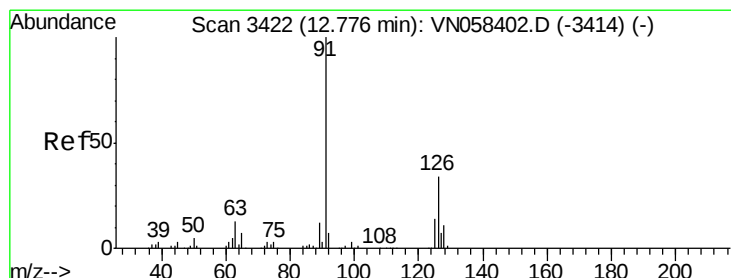
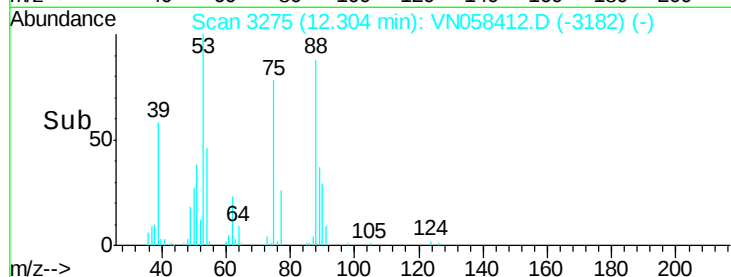
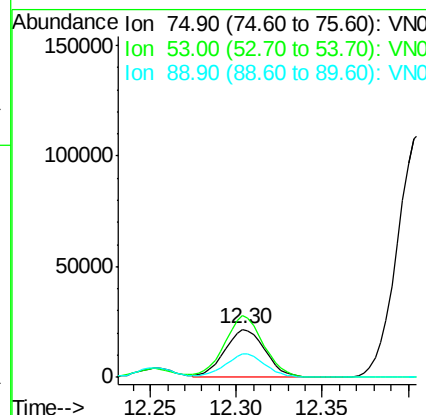
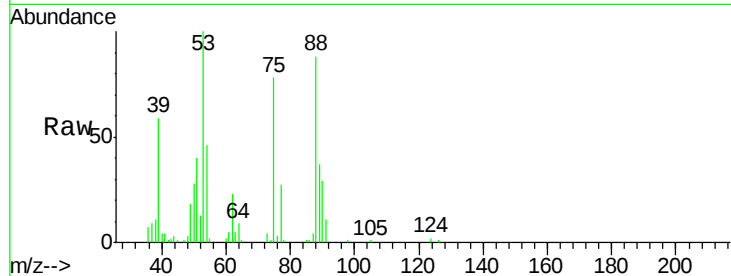
#81
trans-1,4-Dichloro-2-butene
Concen: 19.246 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.0	85.4	128.0
89	47.9	35.0	52.4

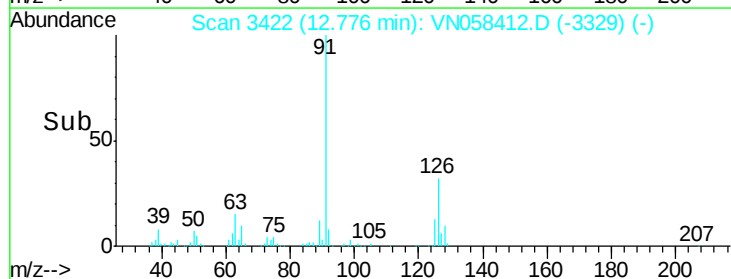
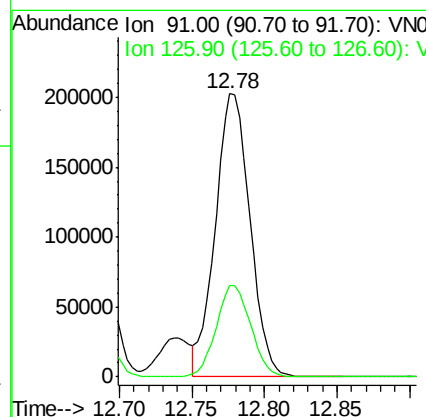
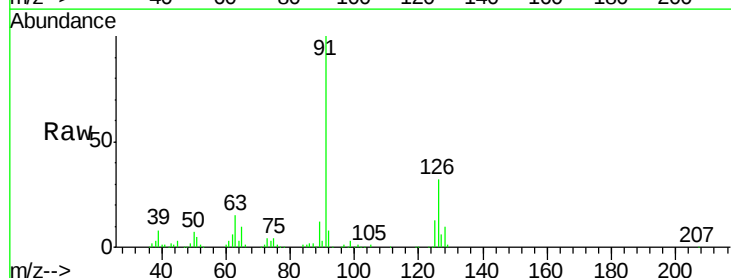
Manual Integrations
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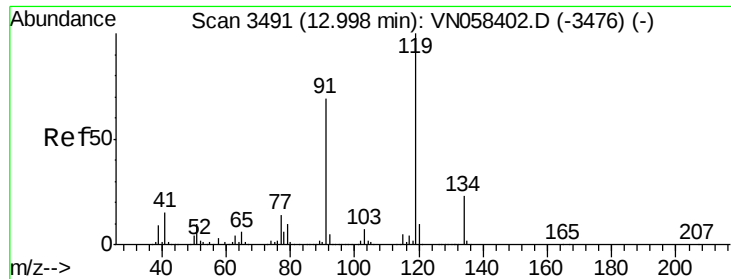
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#82
4-Chlorotoluene
Concen: 20.553 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.9	47.7





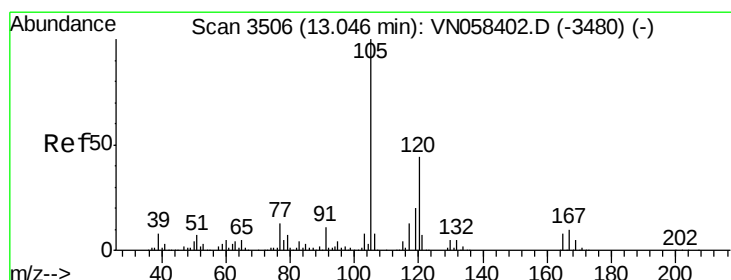
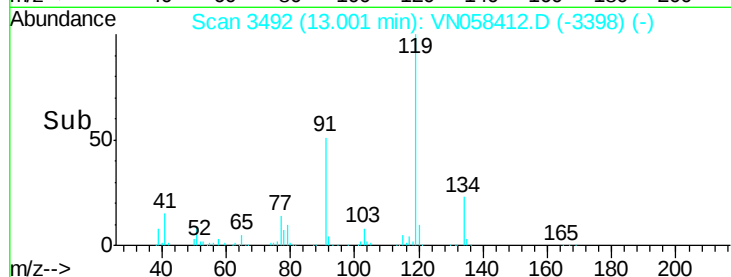
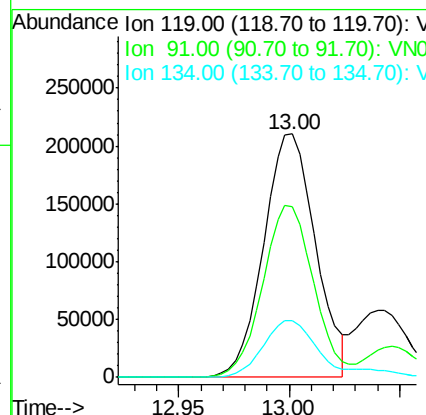
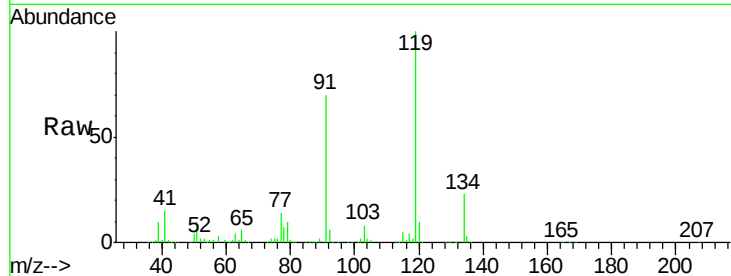
#83
tert-Butylbenzene
Concen: 21.096 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	342896		
91	69.1	34.2	102.6	
134	23.7	11.6	34.8	

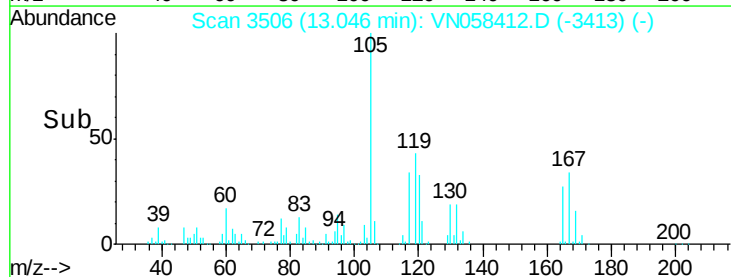
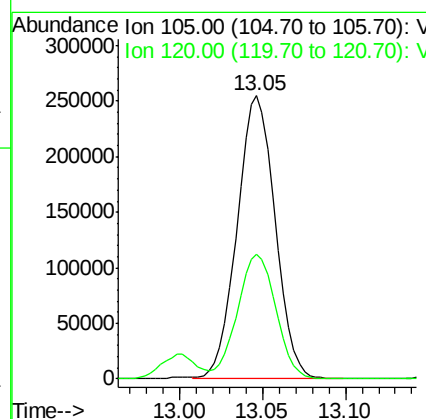
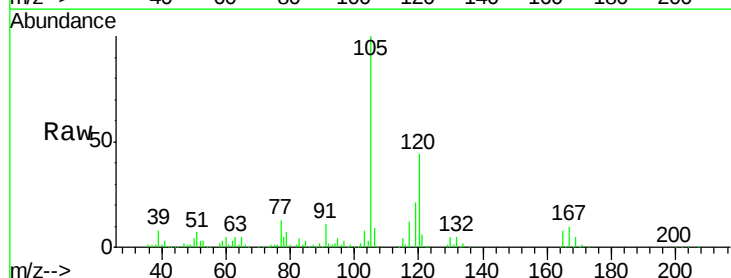
Manual Integrations
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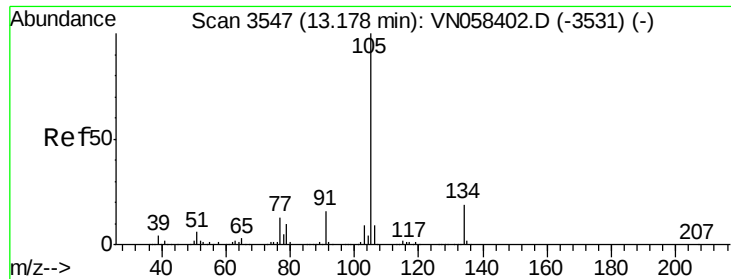
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#84
1,2,4-Trimethylbenzene
Concen: 20.947 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	404269		
120	44.8	21.7	65.1	





#85

sec-Butylbenzene

Concen: 21.564 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion:105 Resp: 461328

Ion Ratio Lower Upper

105 100

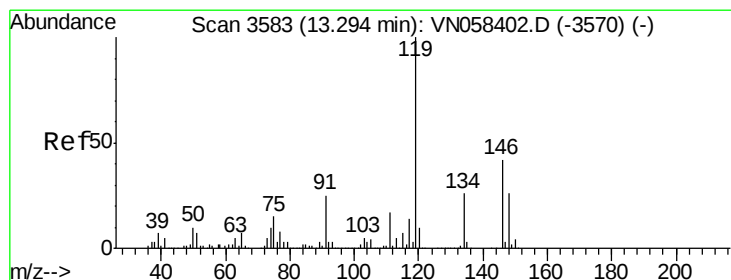
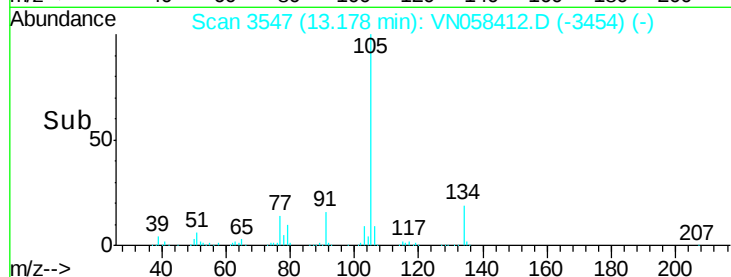
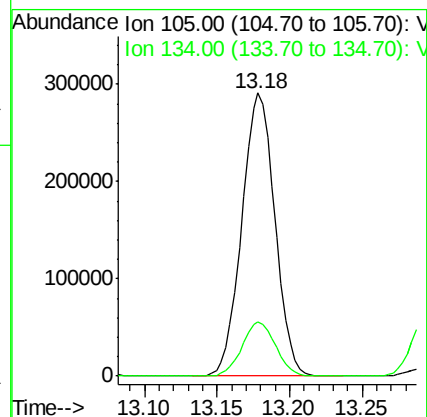
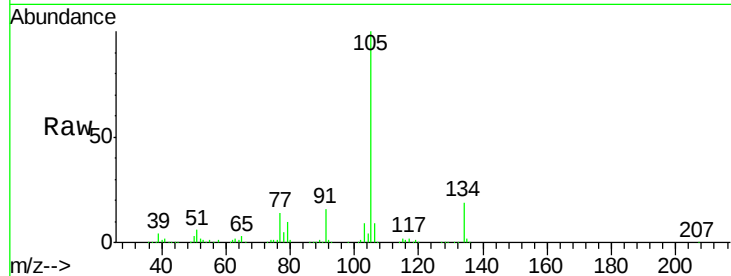
134 19.4 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.805 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

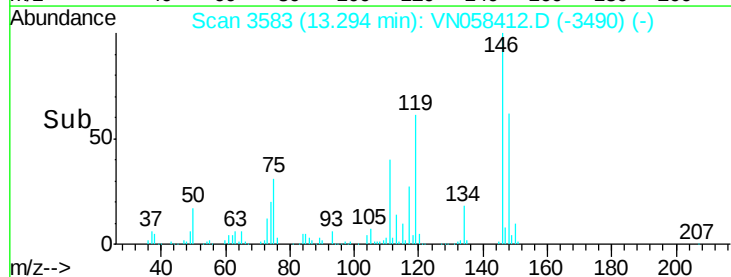
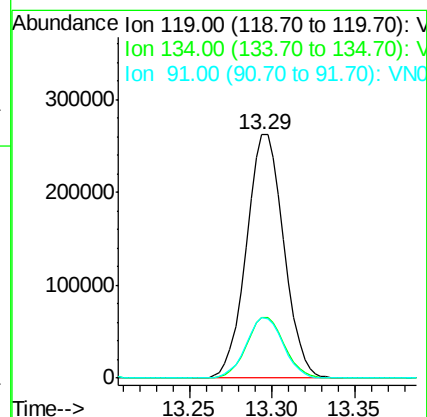
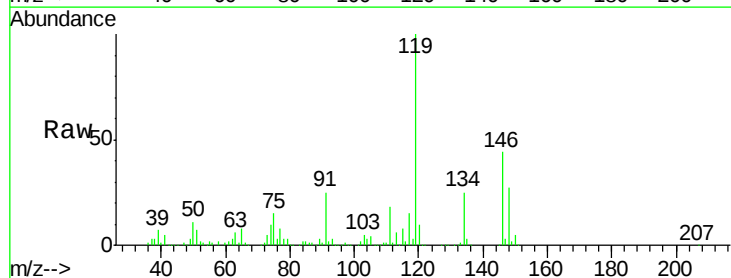
Tgt Ion:119 Resp: 410622

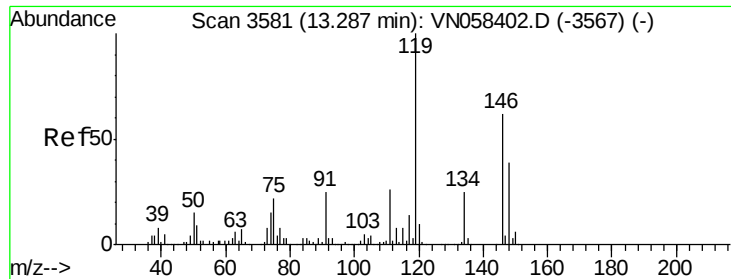
Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

91 24.6 12.4 37.0





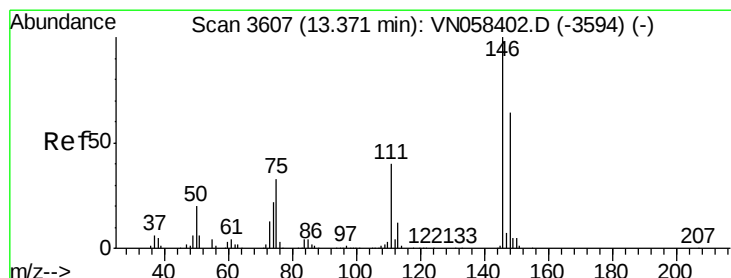
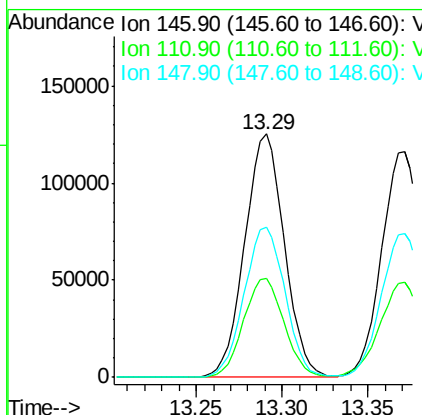
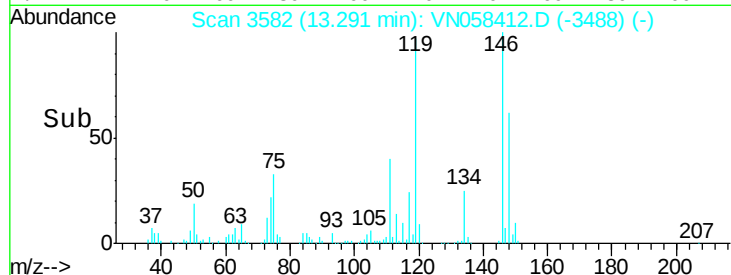
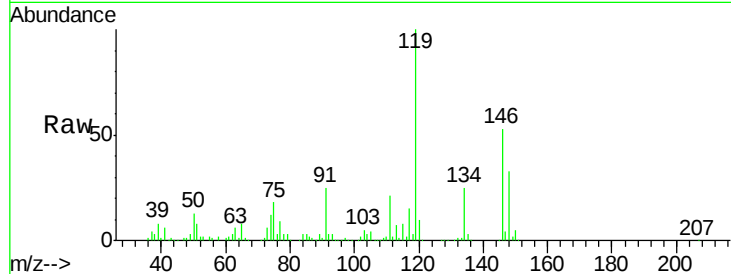
#87
 1,3-Dichlorobenzene
 Concen: 20.538 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200940		
111	41.4	20.8	62.4	
148	63.7	31.4	94.3	

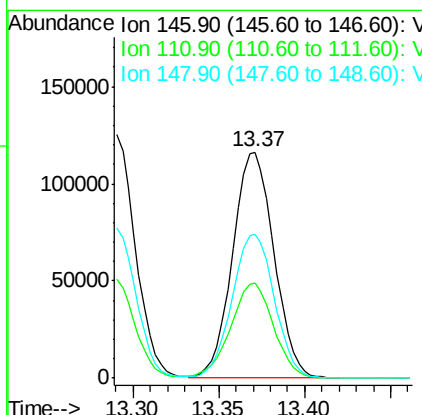
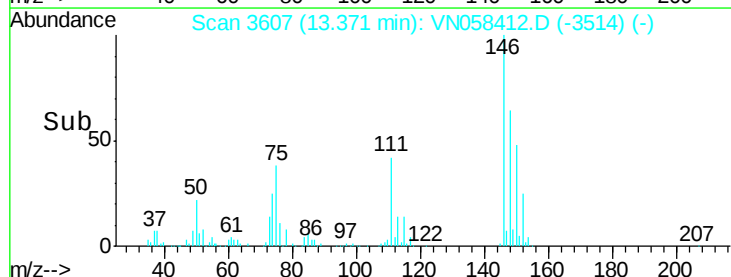
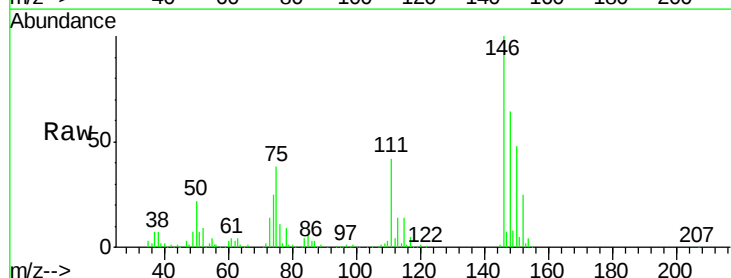
Manual Integrations
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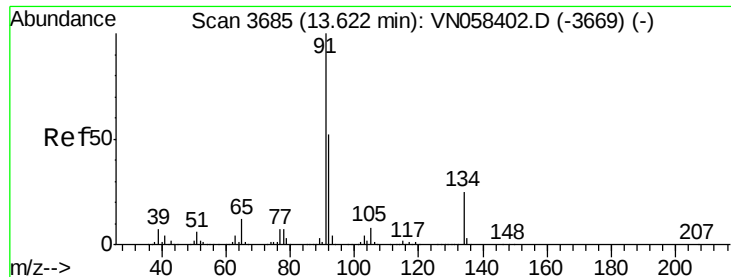
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#88
 1,4-Dichlorobenzene
 Concen: 19.957 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	194268		
111	44.1	20.5	61.6	
148	65.4	31.5	94.5	





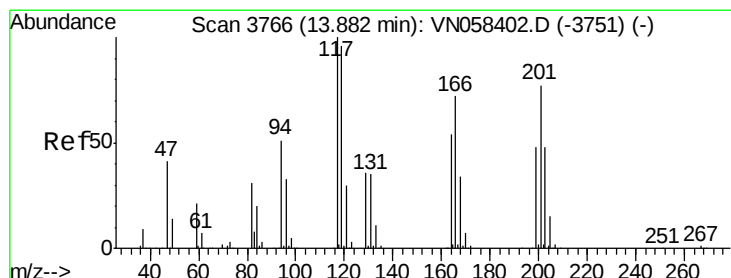
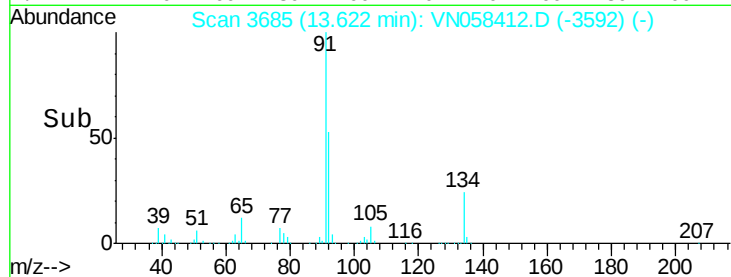
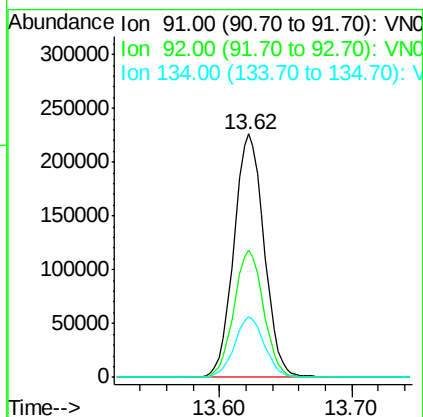
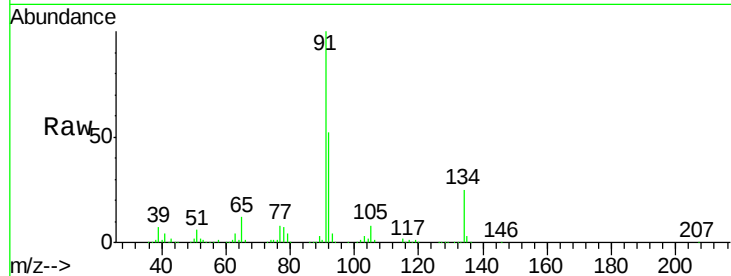
#89
n-Butylbenzene
Concen: 20.923 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.6	12.2	36.6

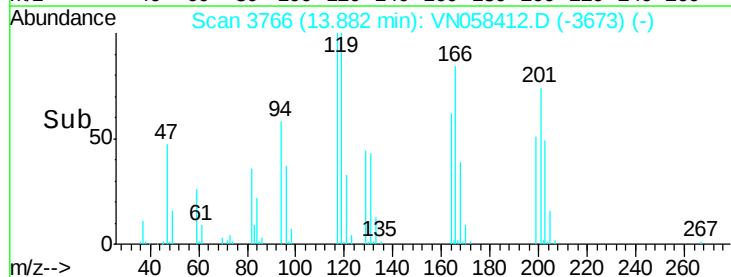
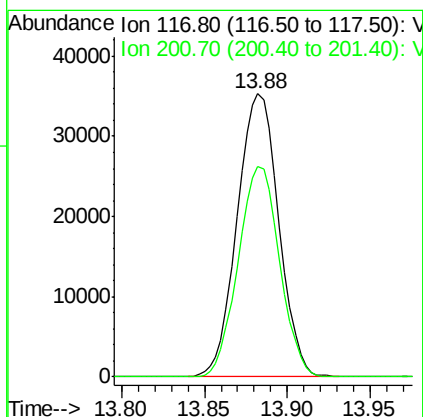
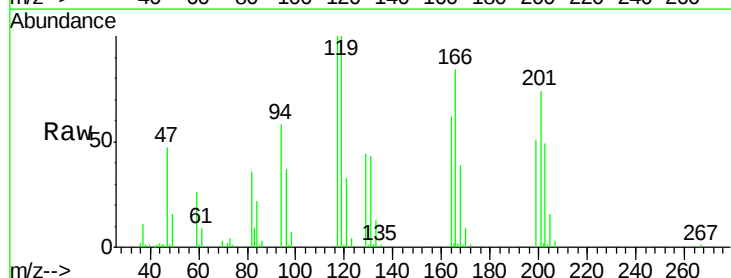
Manual Integrations
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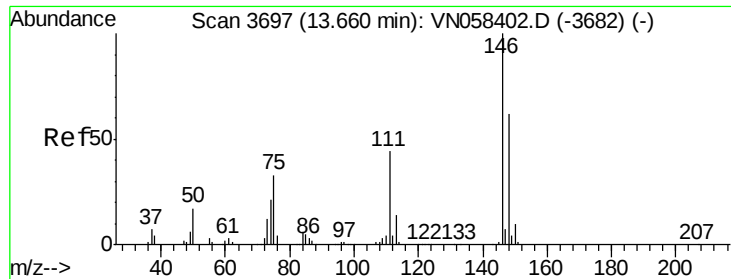
MMDadoda
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#90
Hexachloroethane
Concen: 21.723 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	38.6	116.0





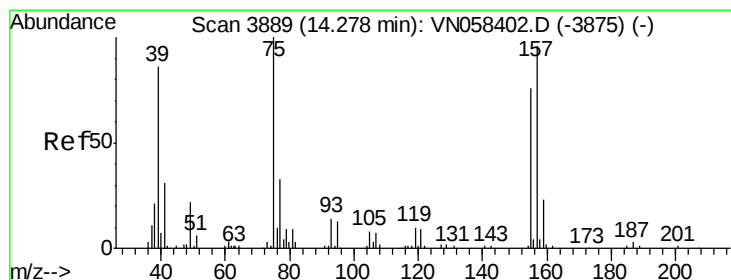
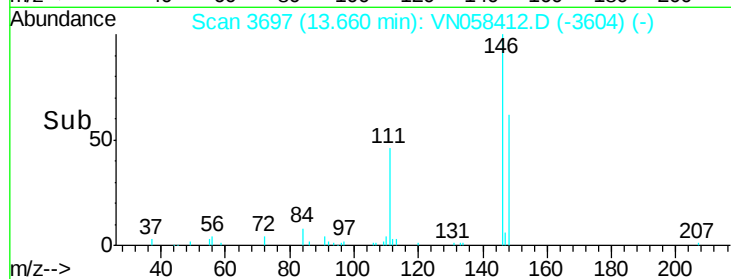
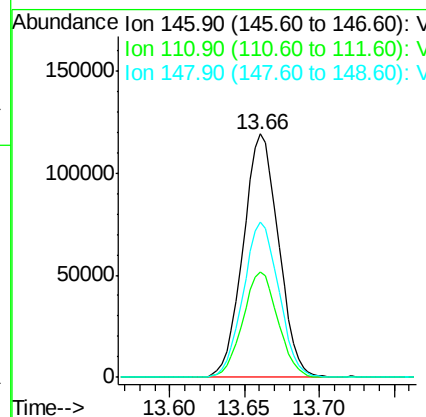
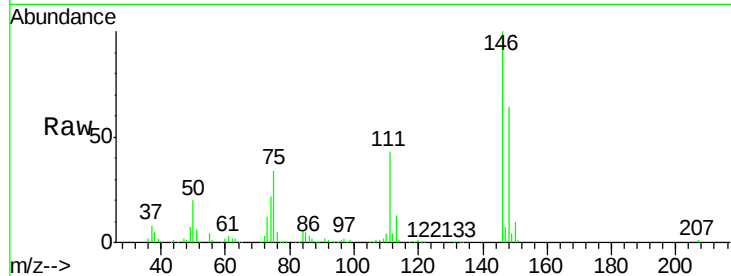
#91
 1,2-Dichlorobenzene
 Concen: 20.908 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.3
148	64.1	31.5	94.5

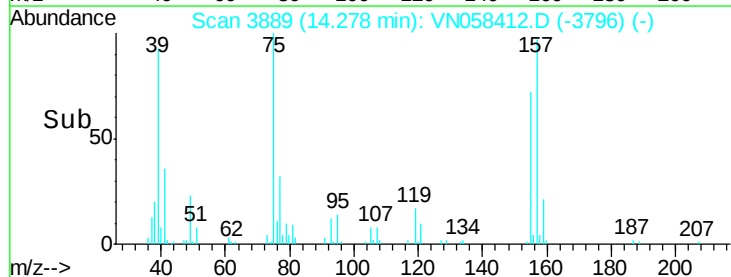
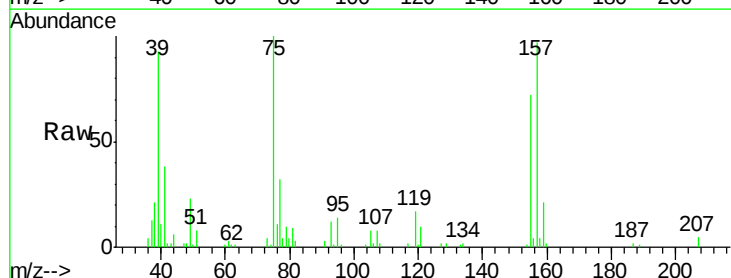
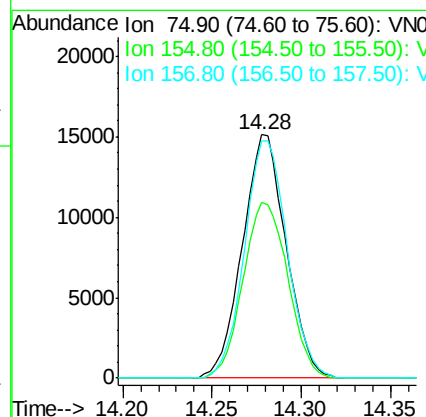
Manual Integrations
 APPROVED

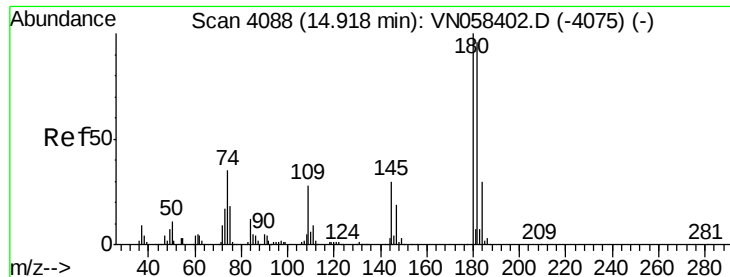
MMDadoda
 9/30/2019 10:18:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.615 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	39.2	117.6
157	95.9	48.7	146.1





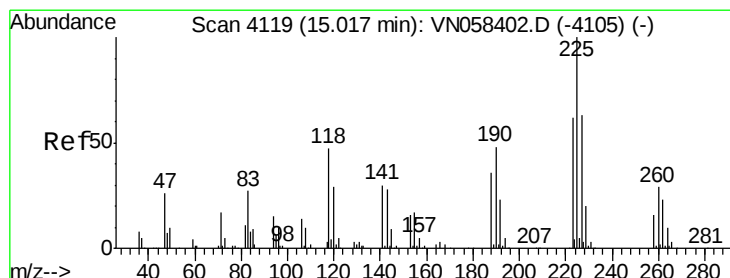
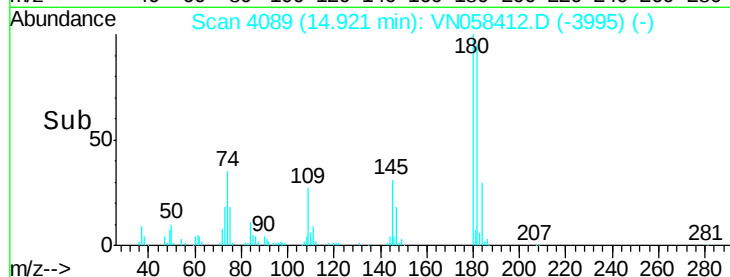
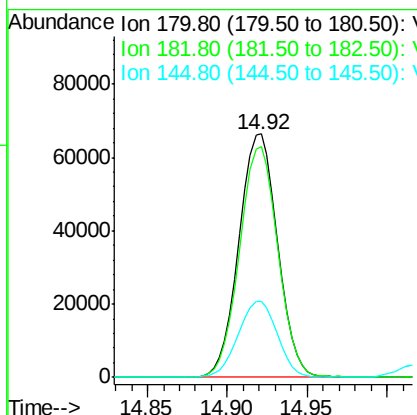
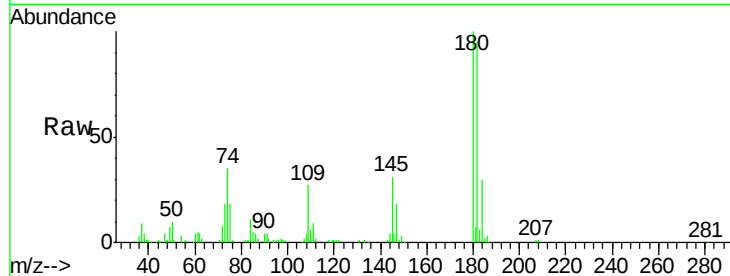
#93
 1,2,4-Trichlorobenzene
 Concen: 21.003 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109103		
182	94.3		47.4	142.3
145	31.8		15.3	45.9

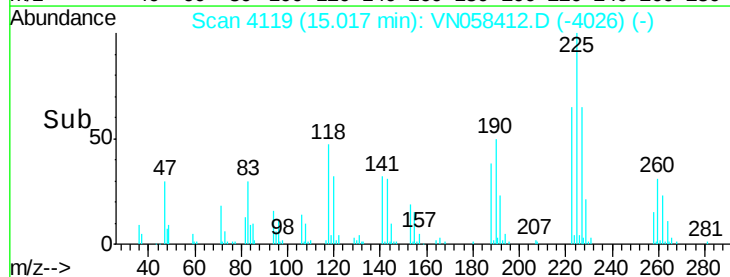
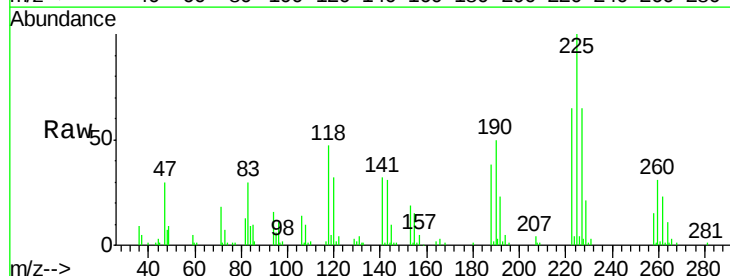
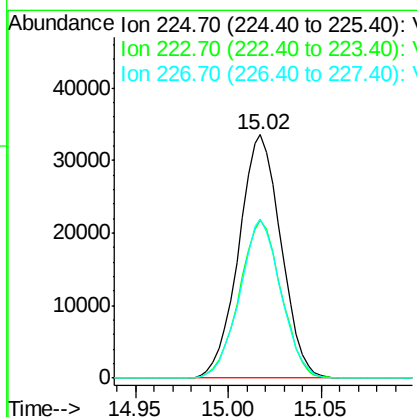
Manual Integrations
 APPROVED

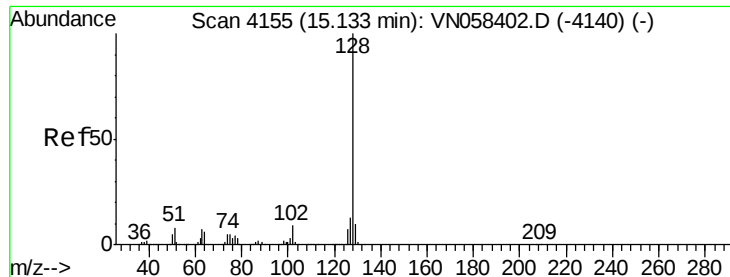
MMDadoda
 9/30/2019 10:18:52 AM



#94
 Hexachlorobutadiene
 Concen: 19.818 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52913		
223	64.2		31.1	93.5
227	63.6		31.4	94.2





#95

Naphthalene

Concen: 19.285 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

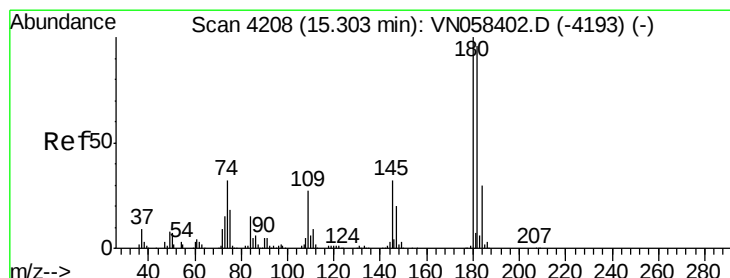
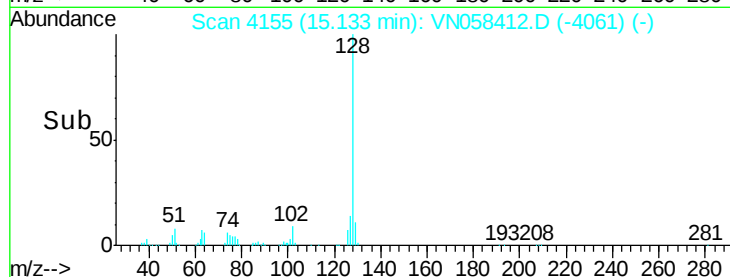
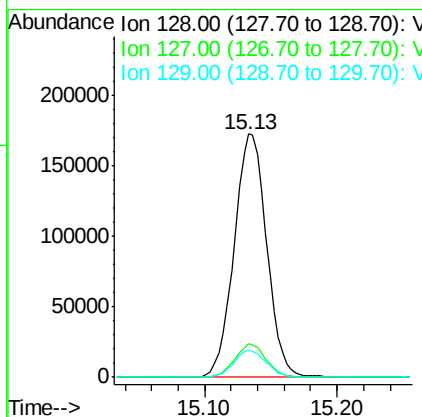
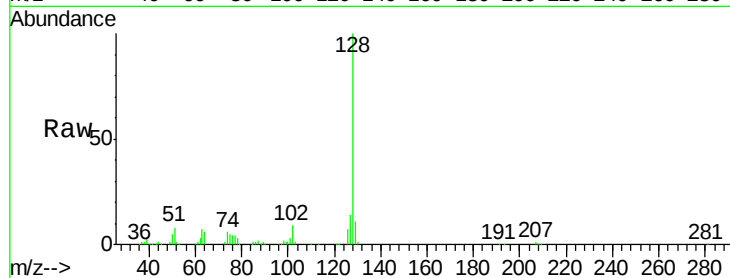
ClientSampleId :

VN0927WBS01

Tot Ion:	128	Resp:	293648
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	11.0	8.3	12.5

Manual Integrations
APPROVED

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9/30/2019 10:18:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.386 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion:	180	Resp:	101046
Ion Ratio	Lower	Upper	
180	100		
182	97.8	48.3	144.9
145	33.3	16.1	48.3

