

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058311.D
 Acq On : 23 Sep 2019 22:54
 Operator : JC/SP
 Sample : VN0923WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:43:11 AM

Quant Time: Sep 24 06:34:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	413090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	729190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	658045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313117	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	7.58	113	226342	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	866430	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.41	95	308106	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62545	18.431	ug/l	99
3) Chloromethane	2.04	50	55990	20.802	ug/l	100
4) Vinyl Chloride	2.17	62	58810	20.017	ug/l	99
5) Bromomethane	2.55	94	32370	21.792	ug/l	96
6) Chloroethane	2.69	64	41586	21.706	ug/l	96
7) Trichlorofluoromethane	3.00	101	91554	19.766	ug/l	97
8) Diethyl Ether	3.39	74	44215	20.833	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67063	20.082	ug/l	99
10) Methyl Iodide	3.93	142	55646	19.885	ug/l	99
11) Tert butyl alcohol	4.76	59	82966	121.225	ug/l	99
12) 1,1-Dichloroethene	3.72	96	53508	20.906	ug/l	99
13) Acrolein	3.59	56	16026	158.008	ug/l	96
14) Allyl chloride	4.30	41	106359	19.463	ug/l	99
15) Acrylonitrile	4.97	53	218665	119.920	ug/l	100
16) Acetone	3.80	43	192774	98.708	ug/l	100
17) Carbon Disulfide	4.03	76	63030	17.844	ug/l	99
18) Methyl Acetate	4.30	43	122095	23.759	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	279192	22.166	ug/l	97
20) Methylene Chloride	4.53	84	78663	22.886	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	56328	20.156	ug/l	97
22) Diisopropyl ether	5.93	45	301759	21.739	ug/l	95
23) Vinyl Acetate	5.87	43	1067095	112.346	ug/l	99
24) 1,1-Dichloroethane	5.82	63	156662	21.146	ug/l	100
25) 2-Butanone	6.82	43	300611	112.982	ug/l	97
26) 2,2-Dichloropropane	6.80	77	104019	16.550	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	87673	20.929	ug/l	96
28) Bromochloromethane	7.18	49	80512	22.972	ug/l	97
29) Tetrahydrofuran	7.19	42	189920	115.881	ug/l	100
30) Chloroform	7.36	83	169093	21.204	ug/l	100
31) Cyclohexane	7.64	56	100093	19.424	ug/l #	94
32) 1,1,1-Trichloroethane	7.55	97	131136	21.600	ug/l	98
36) 1,1-Dichloropropene	7.78	75	94763	18.021	ug/l	99
37) Ethyl Acetate	6.91	43	119680	21.931	ug/l	99
38) Carbon Tetrachloride	7.76	117	100798	19.069	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	88827	17.517	ug/l	96
40) Benzene	8.03	78	315672	19.654	ug/l	100
41) Methacrylonitrile	7.16	41	55219m	20.630	ug/l	
42) 1,2-Dichloroethane	8.11	62	139235	20.660	ug/l	99
43) Isopropyl Acetate	8.15	43	210252	20.629	ug/l #	91
44) Trichloroethene	8.83	130	75487	19.206	ug/l	97
45) 1,2-Dichloropropane	9.11	63	102555	21.381	ug/l	98
46) Dibromomethane	9.20	93	59383	20.363	ug/l	99
47) Bromodichloromethane	9.40	83	124460	20.372	ug/l	96
48) Methyl methacrylate	9.19	41	97478	21.065	ug/l	98
49) 1,4-Dioxane	9.19	88	35278	464.331	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	667275	123.261	ug/l	98
52) Toluene	10.15	92	194080	19.281	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	121835	19.468	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	135723	19.643	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96481	21.599	ug/l	97
56) Ethyl methacrylate	10.43	69	137053	21.265	ug/l	98
57) 1,3-Dichloropropane	10.71	76	162430	21.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	341768	111.326	ug/l	100
59) 2-Hexanone	10.75	43	469586	116.796	ug/l	99
60) Dibromochloromethane	10.90	129	88130	20.507	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85488	20.651	ug/l	99
64) Tetrachloroethene	10.63	164	60430	18.838	ug/l	97
65) Chlorobenzene	11.44	112	229459	19.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88199	21.015	ug/l	100
67) Ethyl Benzene	11.51	91	394407	19.887	ug/l	98
68) m/p-Xylenes	11.62	106	284874	38.137	ug/l	95
69) o-Xylene	11.95	106	146318	19.921	ug/l	98
70) Styrene	11.97	104	250918	19.828	ug/l	97
71) Bromoform	12.13	173	54317	19.796	ug/l #	100
73) Isopropylbenzene	12.26	105	410461	21.267	ug/l	99
74) N-amyl acetate	12.08	43	184112	22.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	149120	23.072	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	120123m	21.768	ug/l	
77) Bromobenzene	12.53	156	99211	20.435	ug/l	97
78) n-propylbenzene	12.60	91	477270	21.761	ug/l	99
79) 2-Chlorotoluene	12.68	91	288255	21.030	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	348124	21.330	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	30621	20.386	ug/l	92
82) 4-Chlorotoluene	12.78	91	298144	20.693	ug/l	100
83) tert-Butylbenzene	13.00	119	311775	21.421	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	353131	21.742	ug/l	100
85) sec-Butylbenzene	13.18	105	412349	21.665	ug/l	98
86) p-Isopropyltoluene	13.30	119	357904	21.152	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	183720	20.719	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	183905	20.315	ug/l	97
89) n-Butylbenzene	13.62	91	313831	19.563	ug/l	100
90) Hexachloroethane	13.88	117	56744	20.868	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	188759	21.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25455	21.876	ug/l	96

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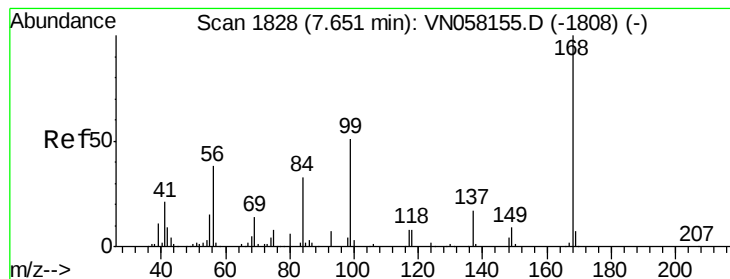
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104391	18.368	ug/l	99
94) Hexachlorobutadiene	15.02	225	50854	18.513	ug/l	96
95) Naphthalene	15.14	128	296772	20.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	101052	18.812	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion:168 Resp: 413090

Ion Ratio Lower Upper

168 100

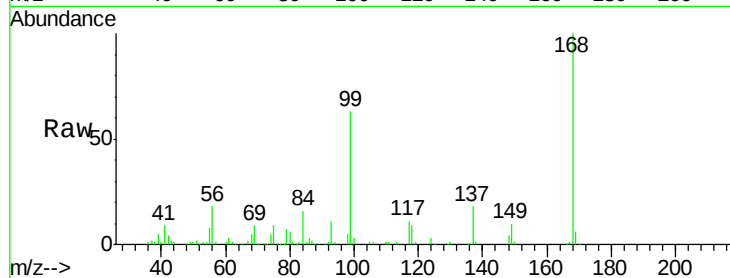
99 62.4 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

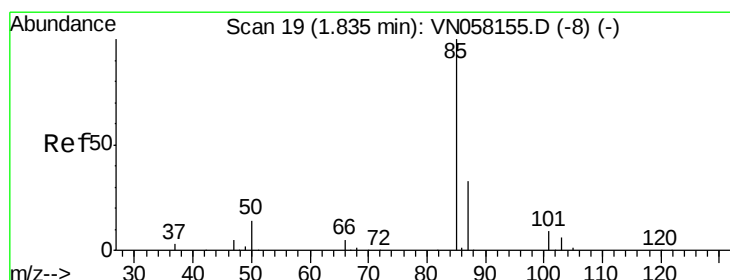
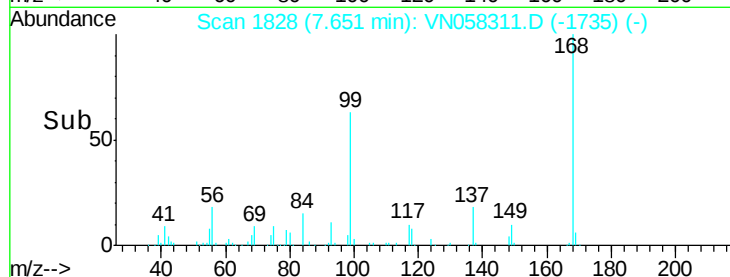
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.431 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058311.D

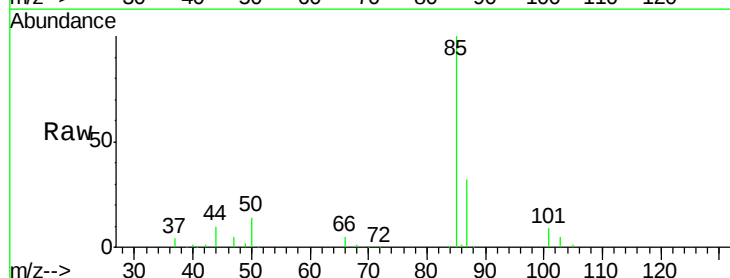
Acq: 23 Sep 2019 22:54

Tgt Ion: 85 Resp: 62545

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

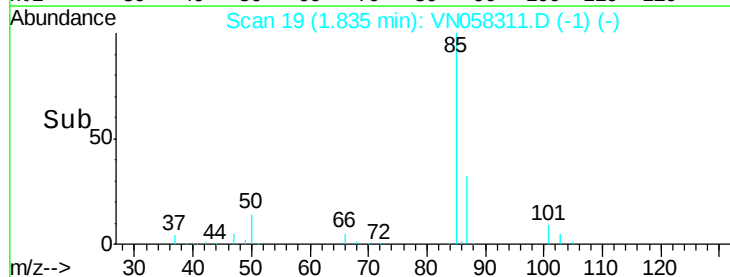
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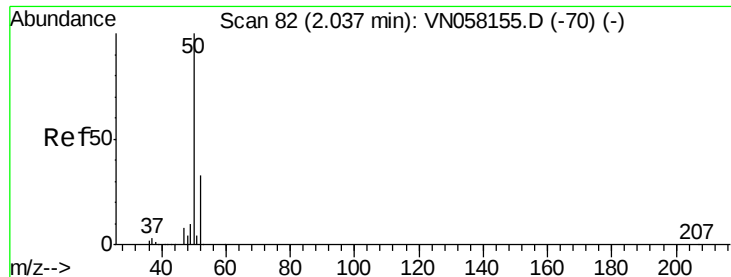
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Time-->





#3

Chloromethane

Concen: 20.802 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 50 Resp: 55990

Ion Ratio Lower Upper

50 100

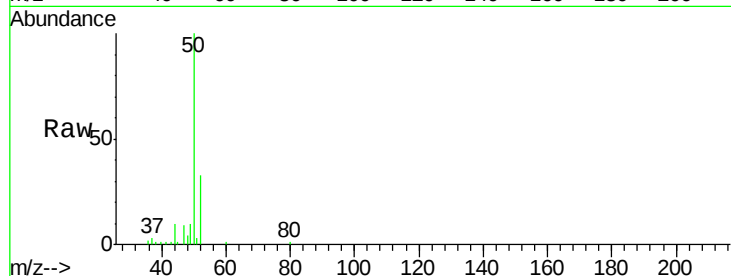
52 32.9 26.3 39.5

Manual Integrations

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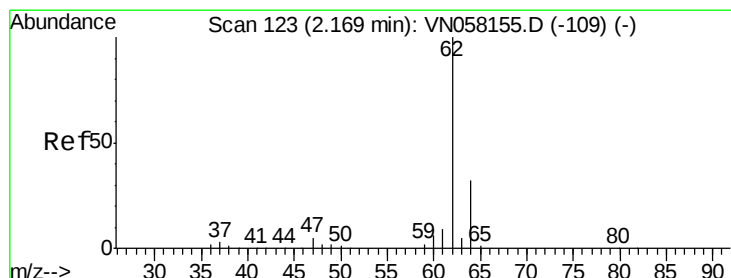
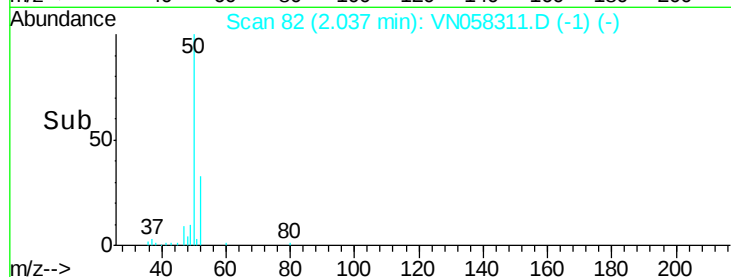
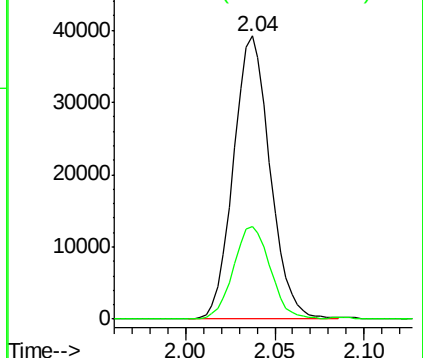
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.017 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058311.D

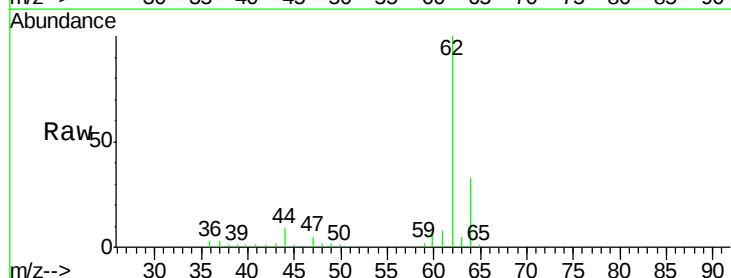
Acq: 23 Sep 2019 22:54

Tgt Ion: 62 Resp: 58810

Ion Ratio Lower Upper

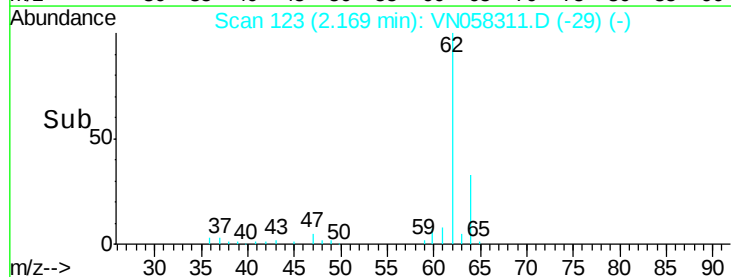
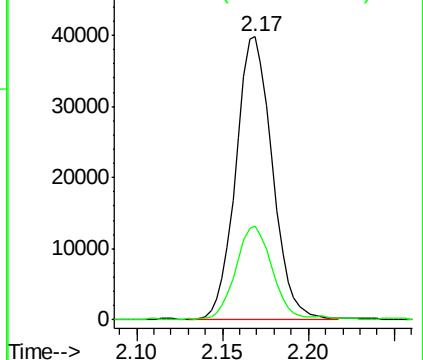
62 100

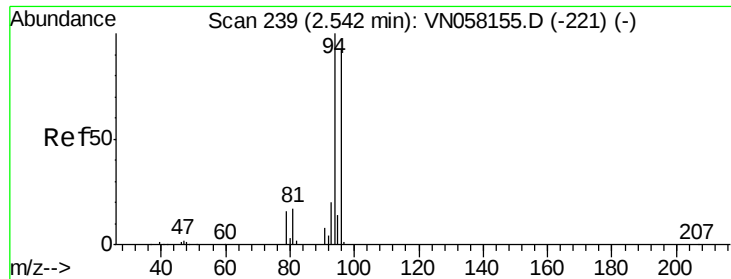
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.792 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 94 Resp: 32370

Ion Ratio Lower Upper

94 100

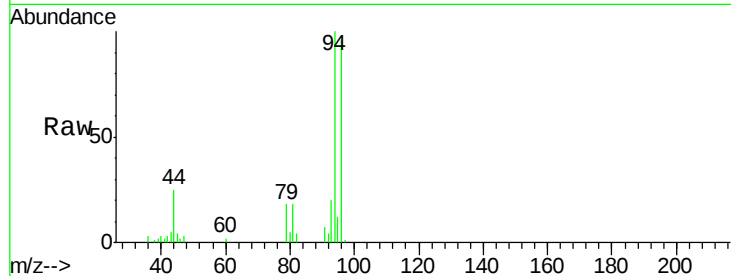
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Manual Integrations

APPROVED

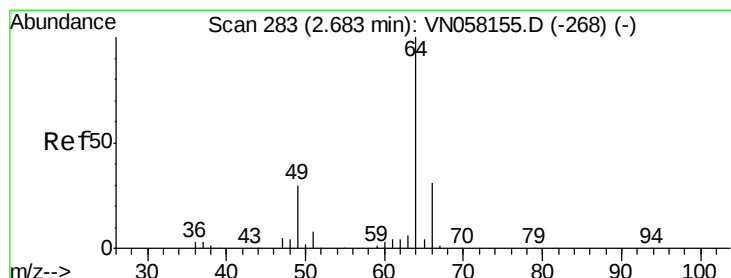
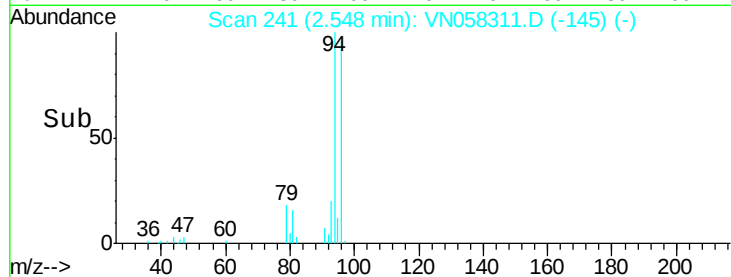
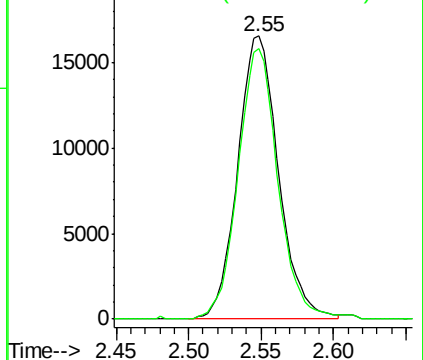
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.706 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058311.D

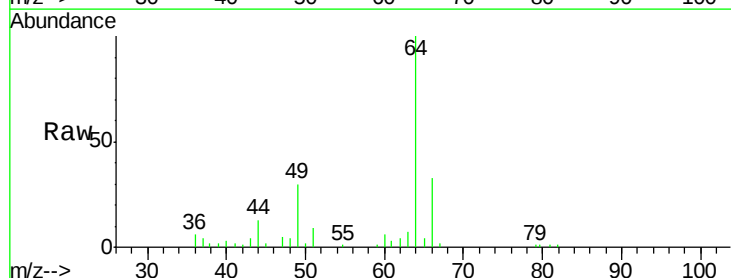
Acq: 23 Sep 2019 22:54

Tgt Ion: 64 Resp: 41586

Ion Ratio Lower Upper

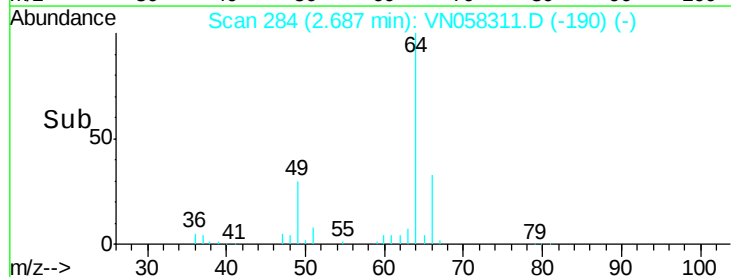
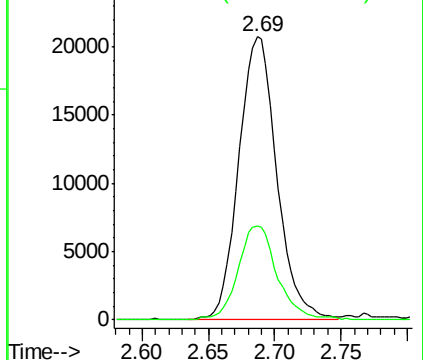
64 100

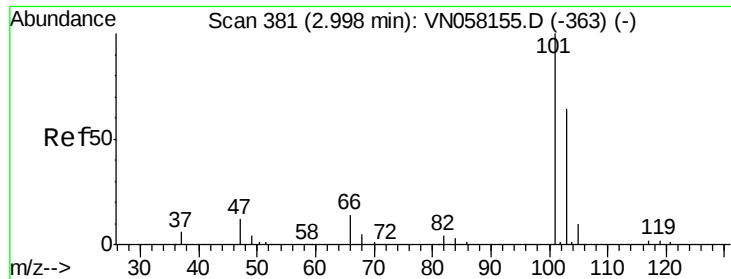
66 33.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

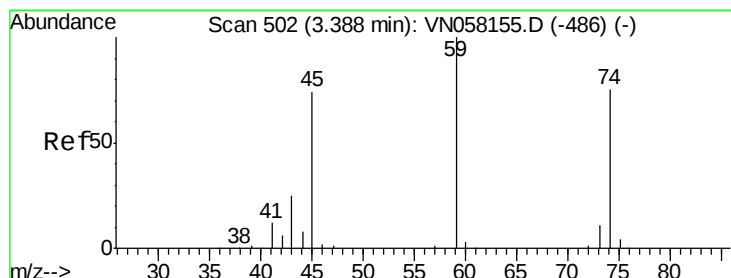
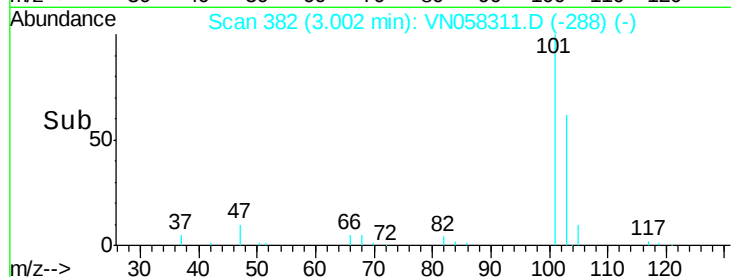
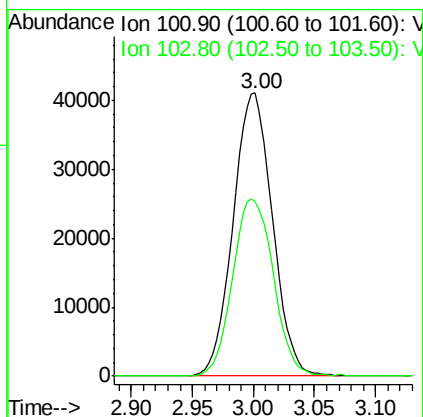
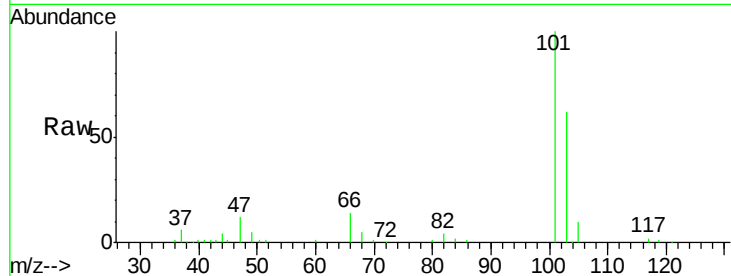
Trichlorofluoromethane
 Concen: 19.766 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion:101 Resp: 91554
 Ion Ratio Lower Upper
 101 100
 103 61.5 51.0 76.6

Manual Integrations
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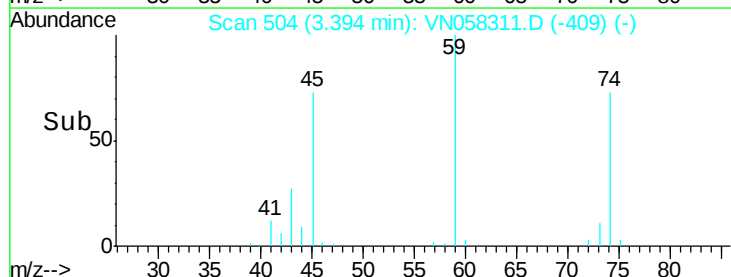
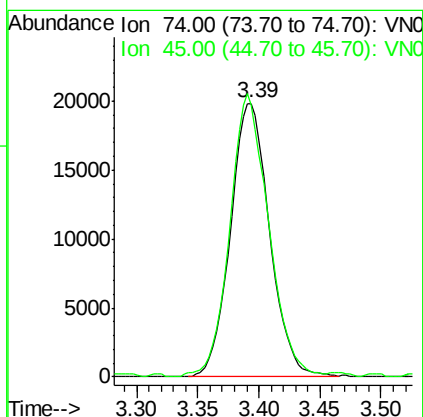
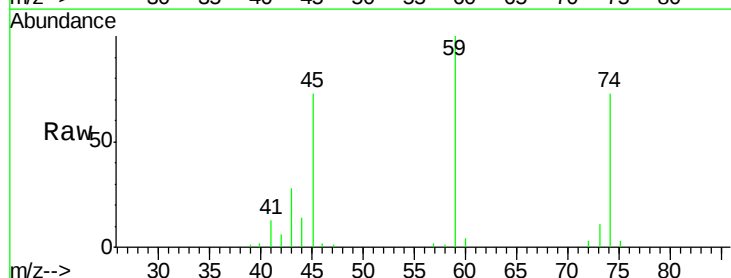
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 9/26/2019 12:43:11 AM



#8

Diethyl Ether
 Concen: 20.833 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 74 Resp: 44215
 Ion Ratio Lower Upper
 74 100
 45 102.4 48.5 145.5





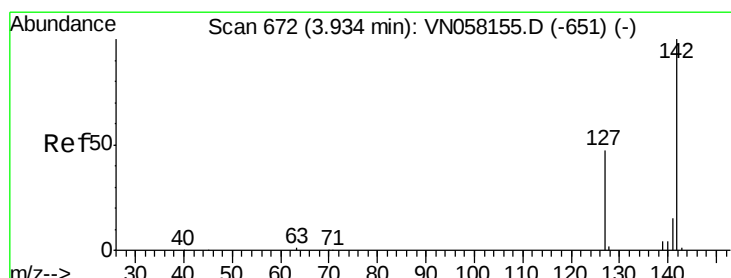
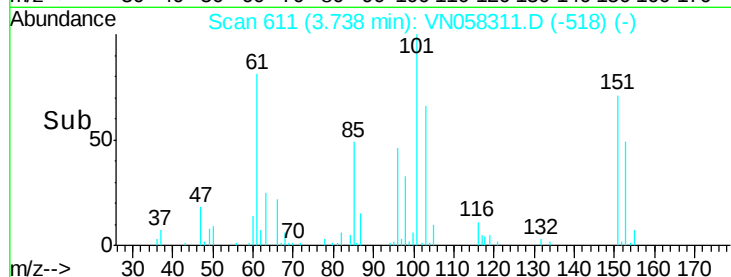
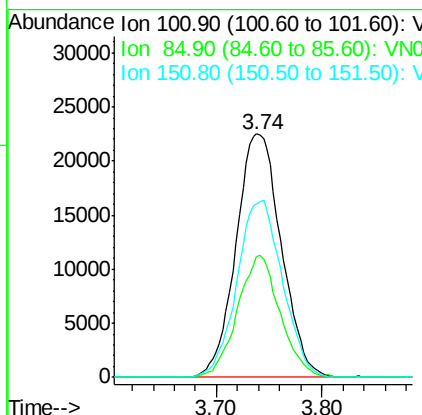
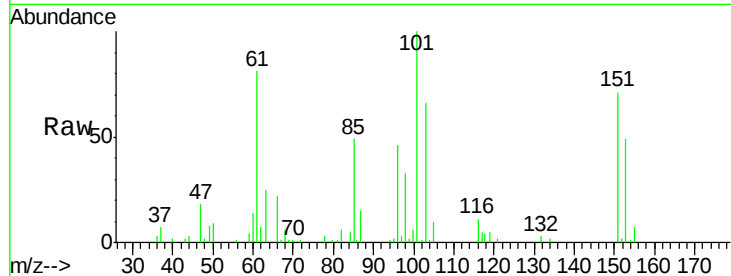
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.082 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.2	37.3	55.9
151	73.1	59.6	89.4

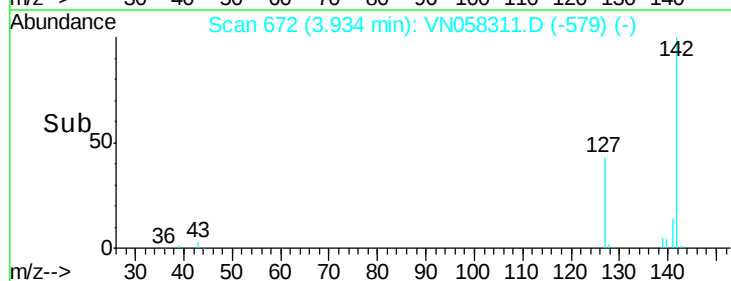
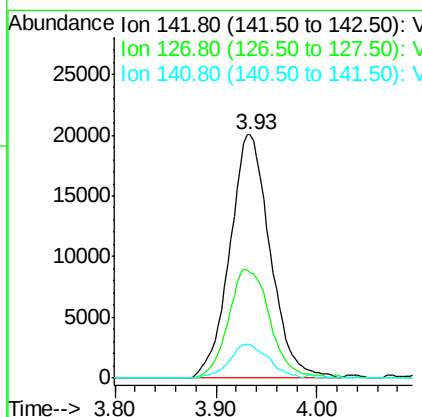
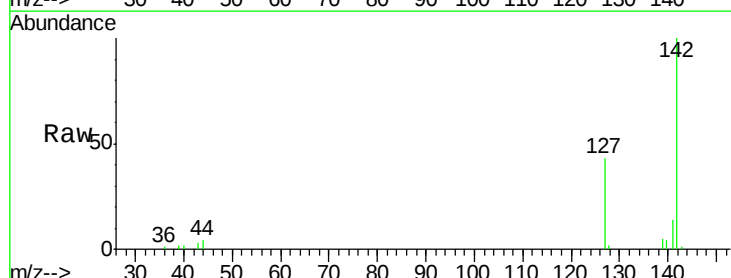
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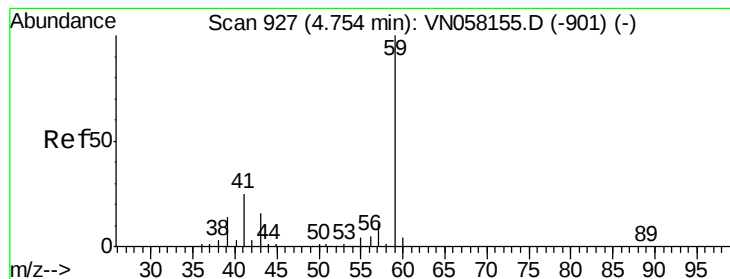
MMDadoda
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#10
Methyl Iodide
Concen: 19.885 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.5	56.3
141	13.7	11.4	17.2





#11

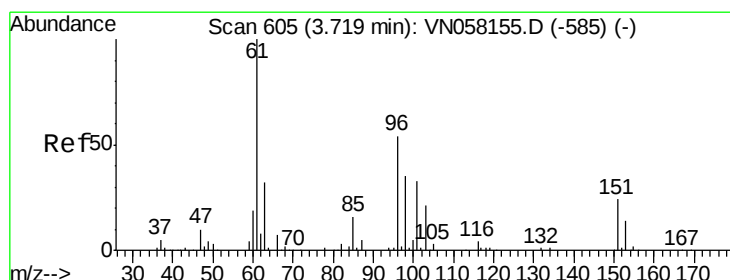
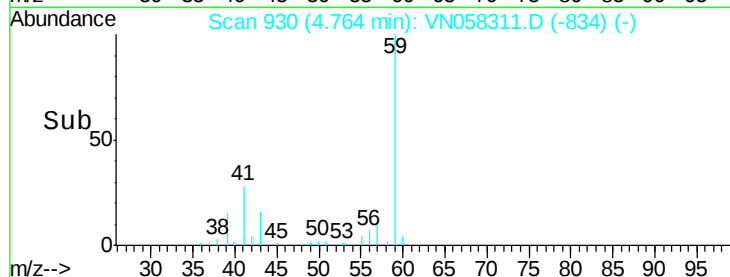
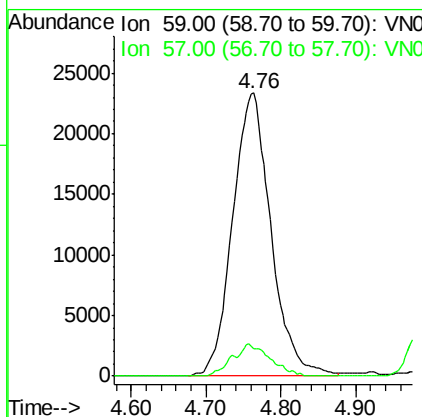
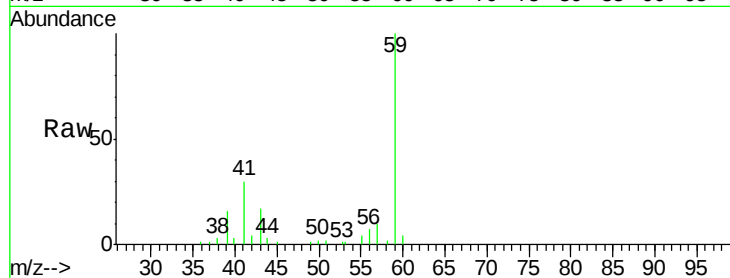
Tert butyl alcohol
 Concen: 121.225 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS02

Tot Ion	59	57	Ratio	100	11.2	Resp:	82966	Lower	8.6	Upper	13.0
Ion	59	57	Ratio	100	11.2	Resp:	82966	Lower	8.6	Upper	13.0

Manual Integrations
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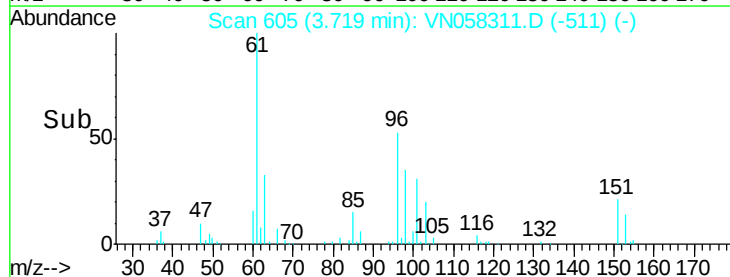
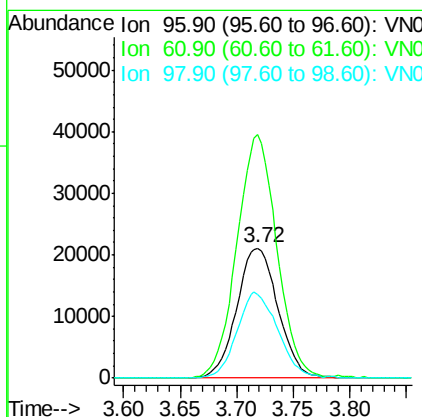
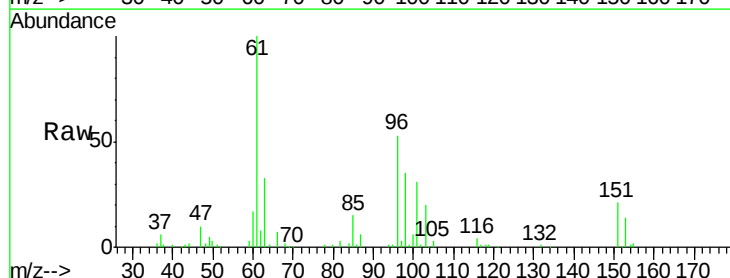
MMDadoda
 9/26/2019 12:43:11 AM

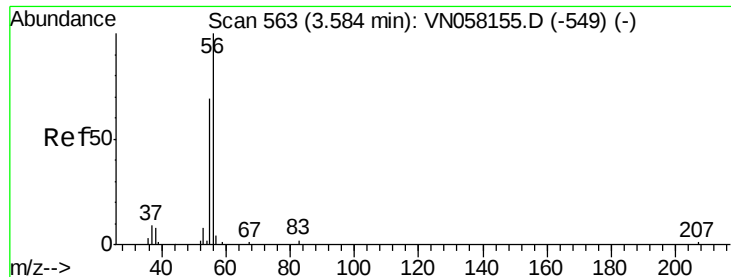


#12

1,1-Dichloroethene
 Concen: 20.906 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	96	61	98	Ratio	100	187.7	64.9	Resp:	53508	Lower	149.5	52.4	Upper	224.3	78.6
Ion	96	61	98	Ratio	100	187.7	64.9	Resp:	53508	Lower	149.5	52.4	Upper	224.3	78.6





#13

Acrolein

Concen: 158.008 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 56 Resp: 16026

Ion Ratio Lower Upper

56 100

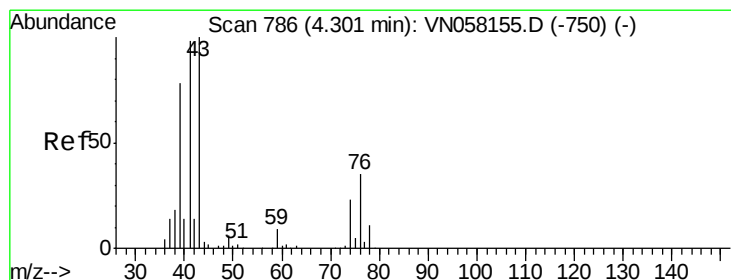
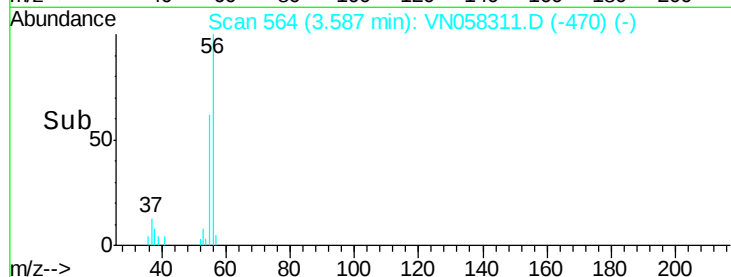
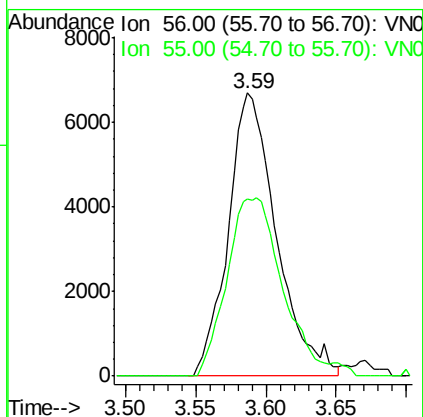
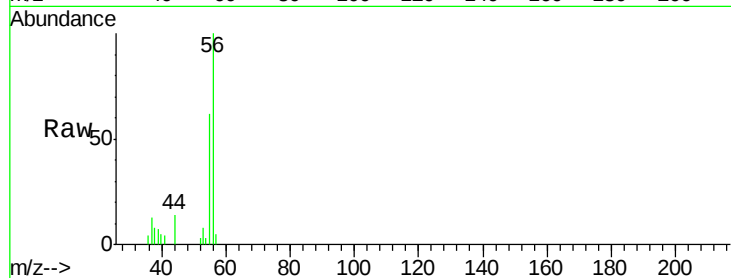
55 73.4 56.1 84.1

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#14

Allyl chloride

Concen: 19.463 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

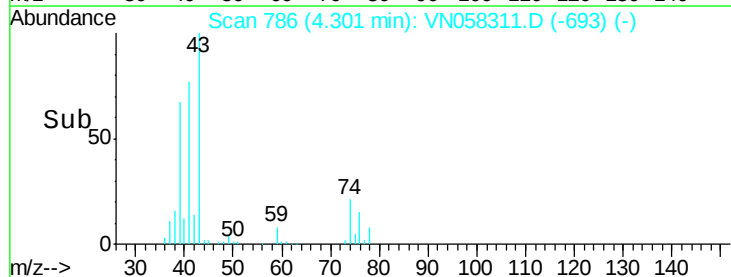
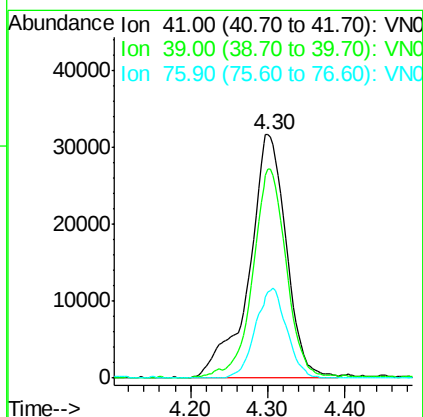
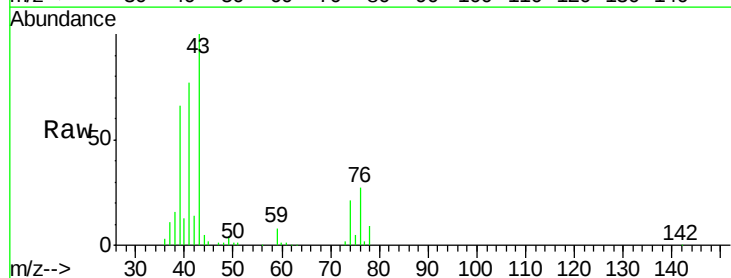
Tgt Ion: 41 Resp: 106359

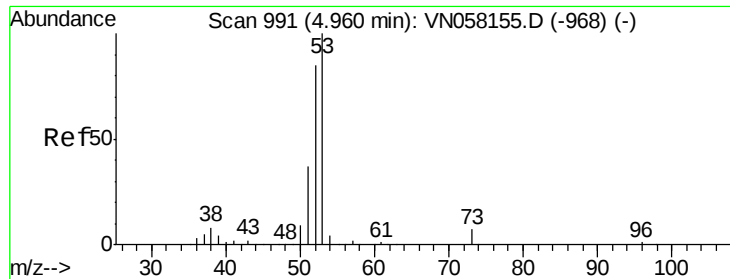
Ion Ratio Lower Upper

41 100

39 74.7 59.1 88.7

76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 119.920 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

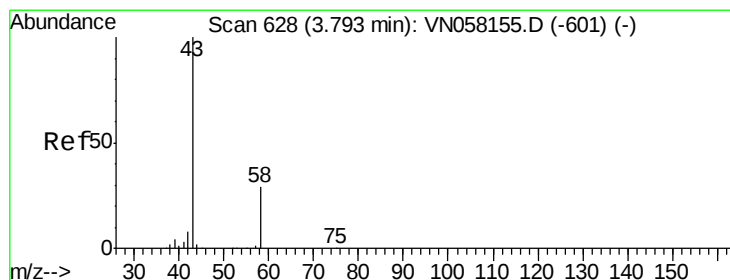
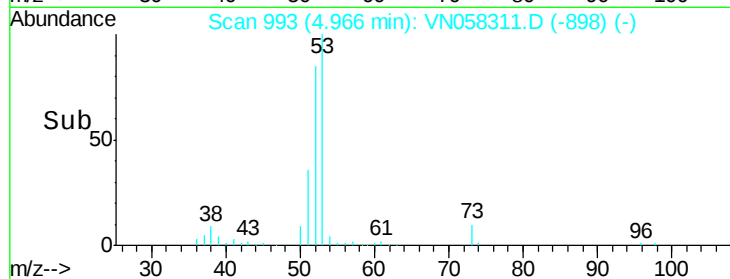
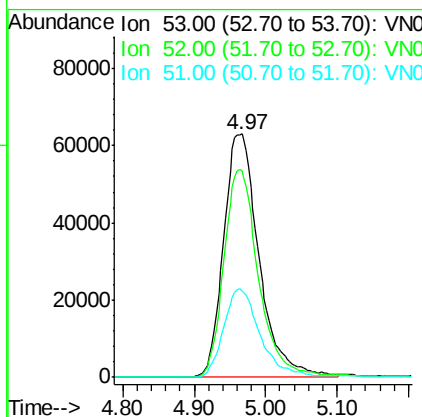
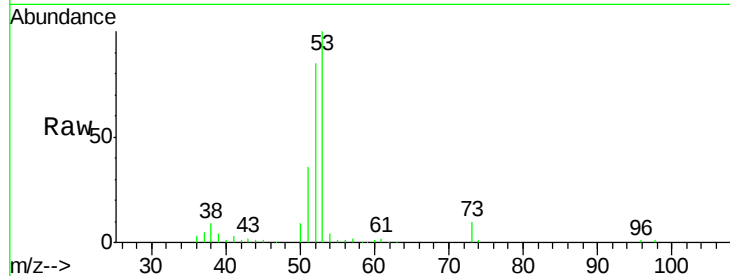
ClientSampleId :

VN0923WBS02

Tot Ion:	53	Resp:	218665
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.6	100.0
51	37.2	29.7	44.5

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#16

Acetone

Concen: 98.708 ug/l

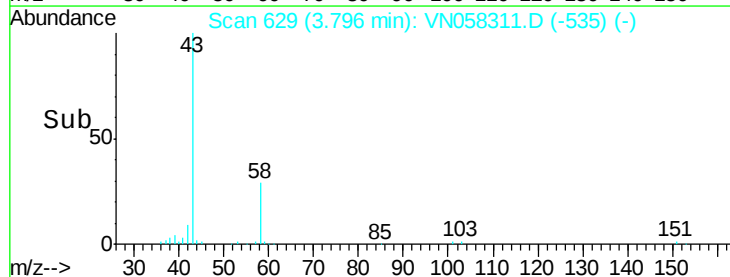
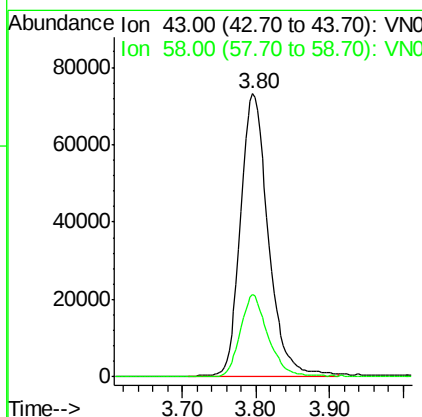
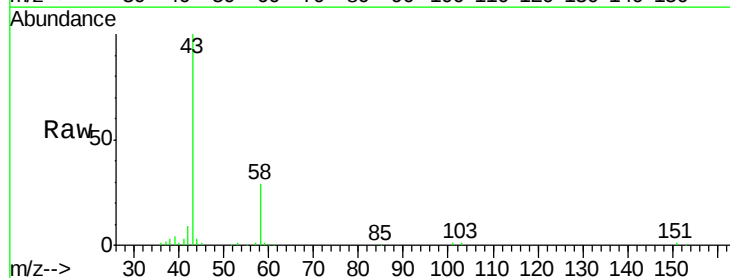
RT: 3.80 min Scan# 629

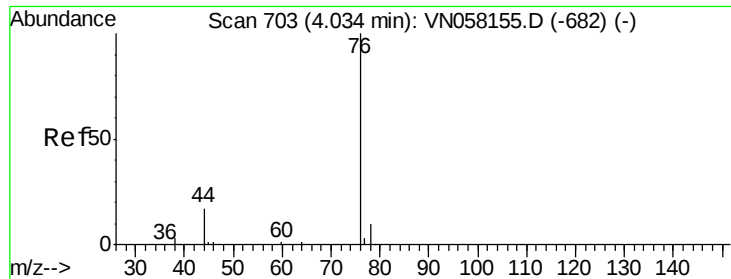
Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion:	43	Resp:	192774
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.4	35.2





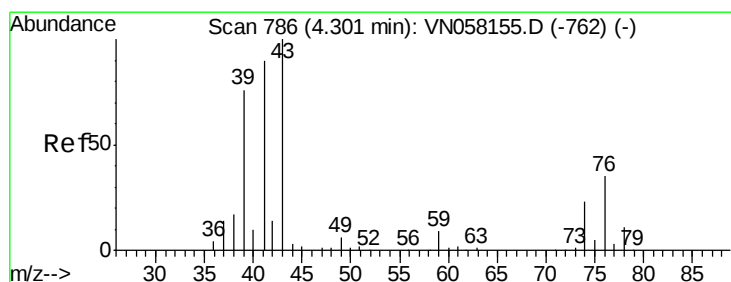
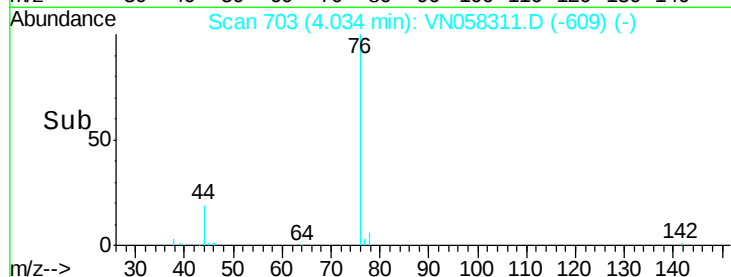
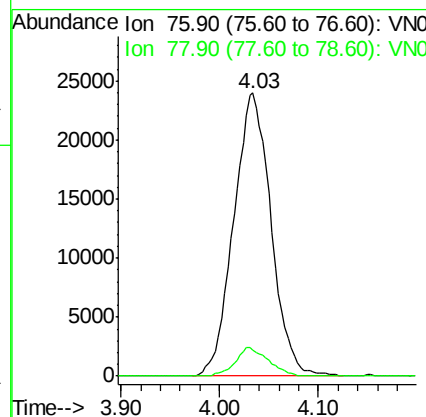
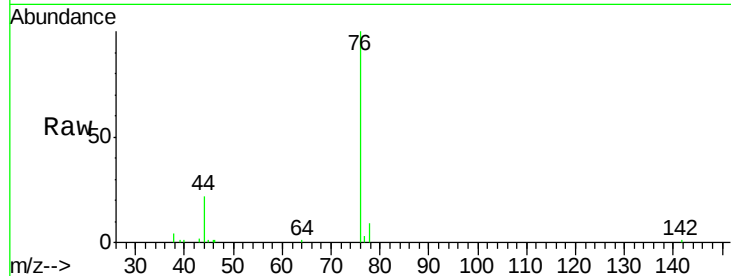
#17
Carbon Disulfide
Concen: 17.844 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.7	11.5

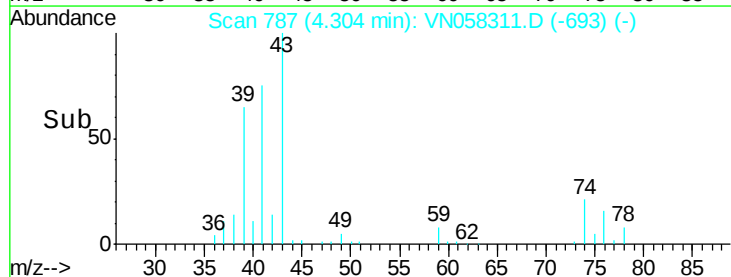
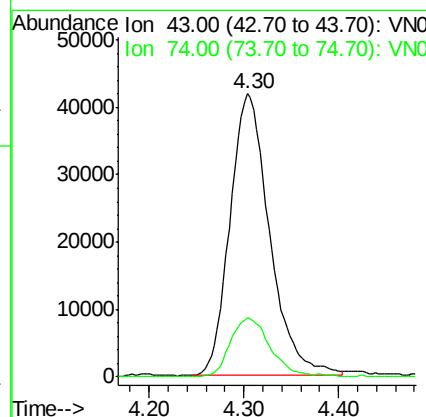
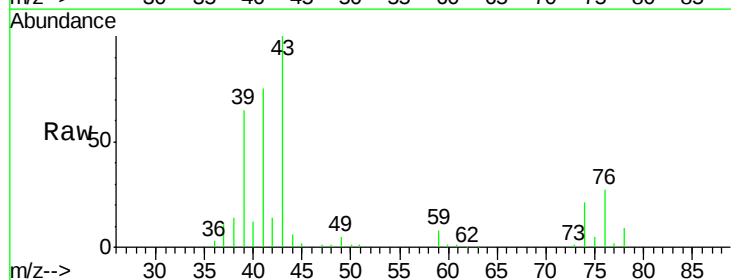
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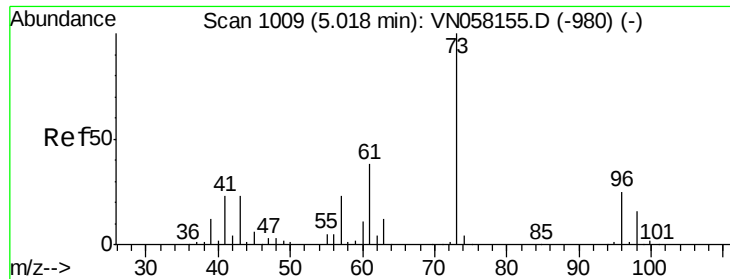
MMDadoda
9/26/2019 12:43:11 AM



#18
Methyl Acetate
Concen: 23.759 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	18.0	27.0





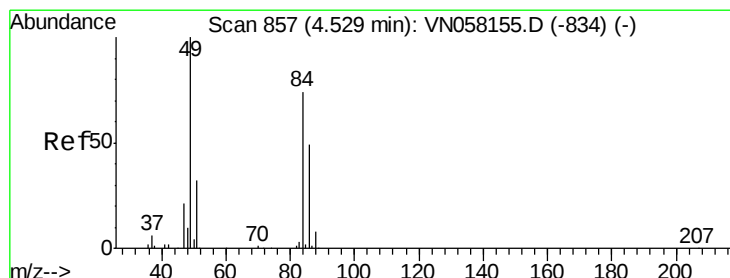
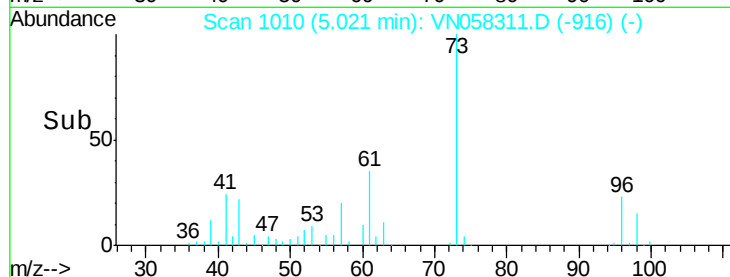
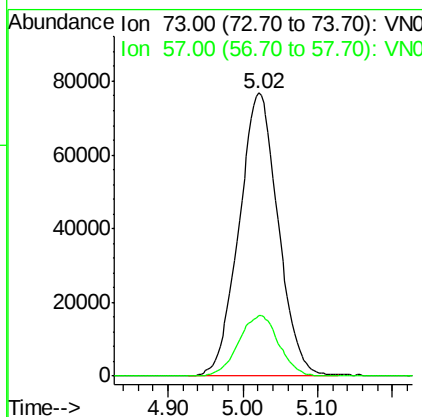
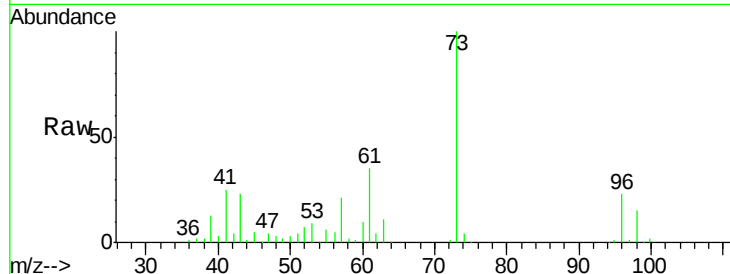
#19
Methvl tert-butvl Ether
Concen: 22.166 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion: 73 Resp: 279192
Ion Ratio Lower Upper
73 100
57 21.2 18.1 27.1

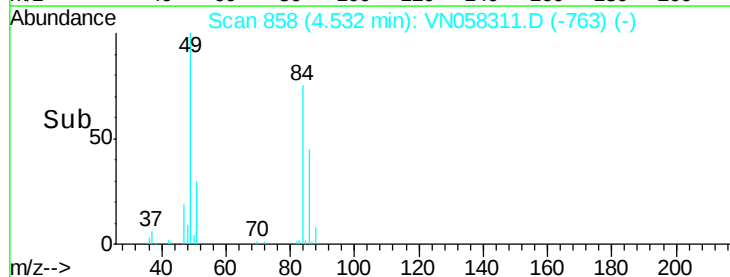
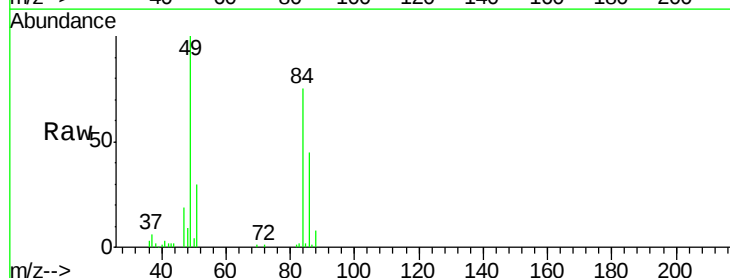
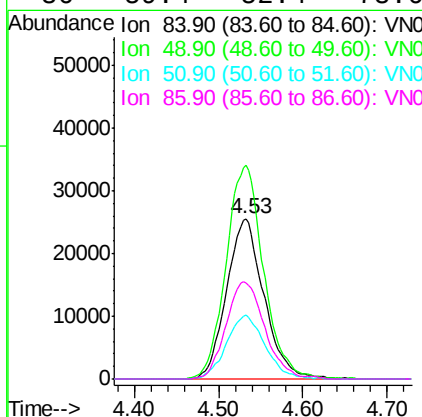
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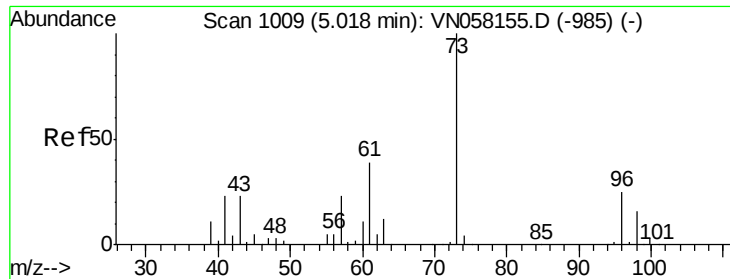
MMDadoda
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#20
Methylene Chloride
Concen: 22.886 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 84 Resp: 78663
Ion Ratio Lower Upper
84 100
49 132.4 107.5 161.3
51 39.8 33.9 50.9
86 59.4 52.4 78.6





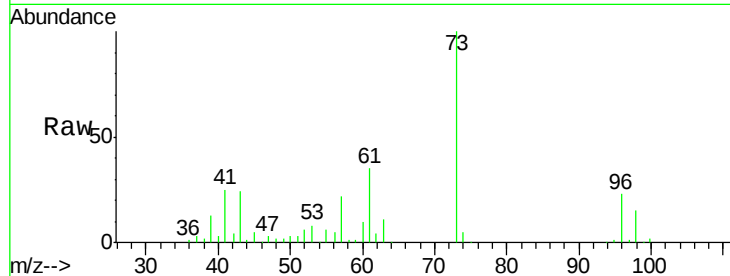
#21
trans-1,2-Dichloroethene
Concen: 20.156 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

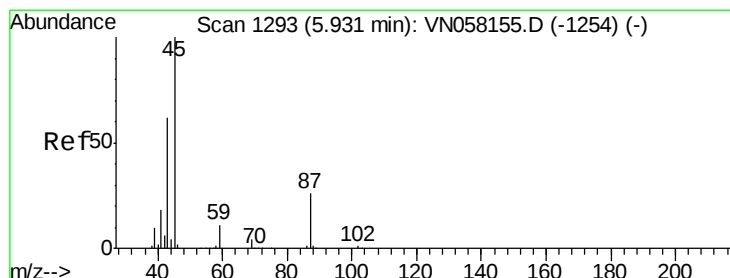
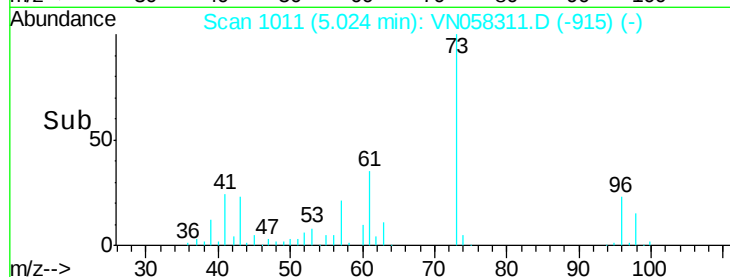
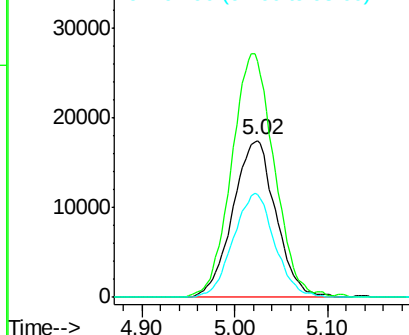
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	122.2	183.4
98	65.7	49.9	74.9

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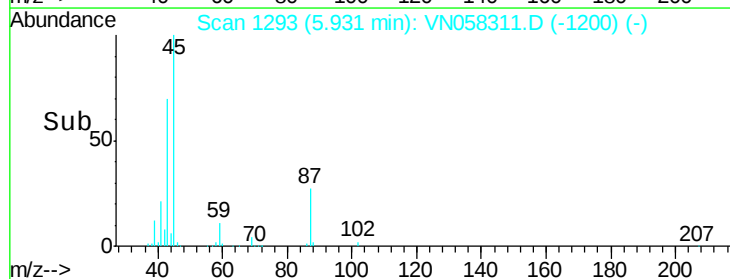
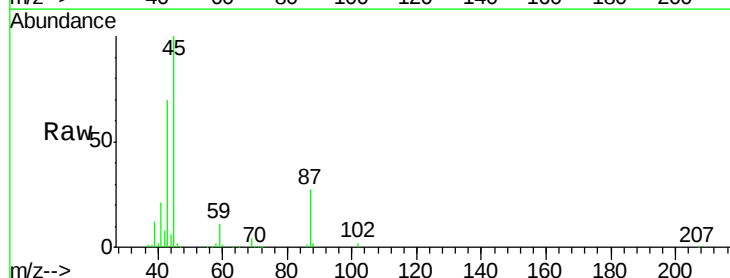
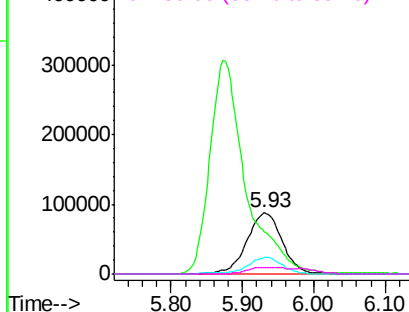
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

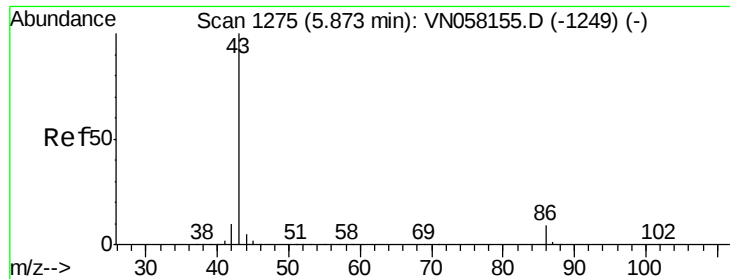


#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.8	49.7	74.5
87	26.8	20.7	31.1
59	11.0	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





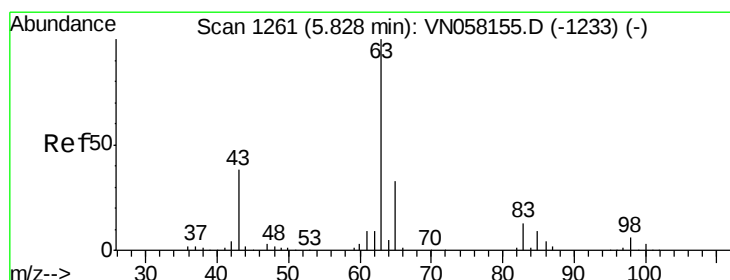
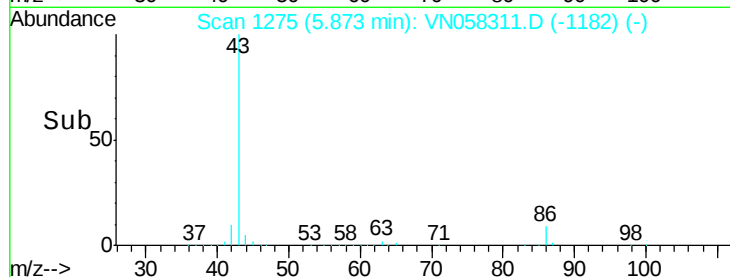
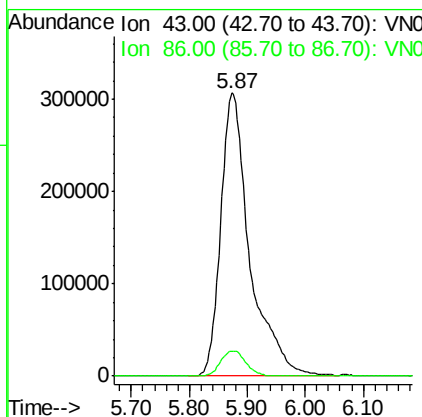
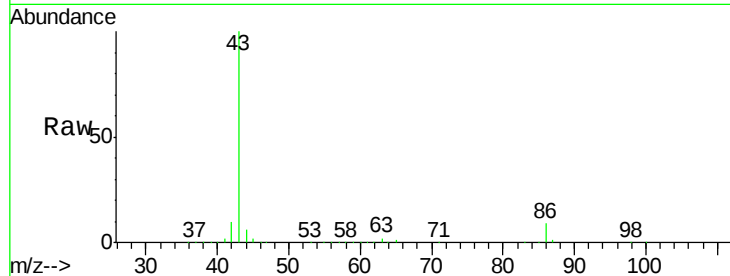
#23
 Vinyl Acetate
 Concen: 112.346 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion: 43 Resp: 1067095
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.4 11.2

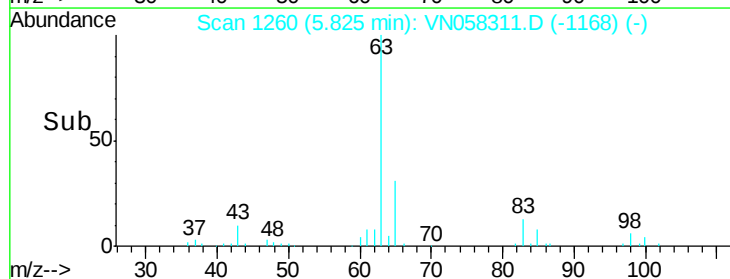
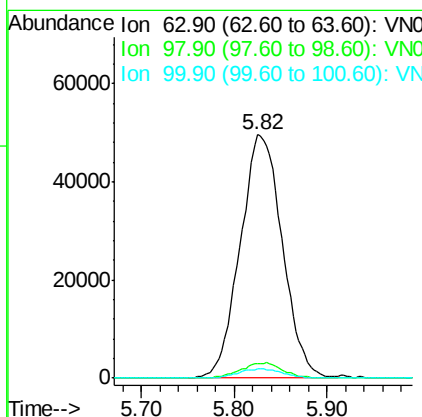
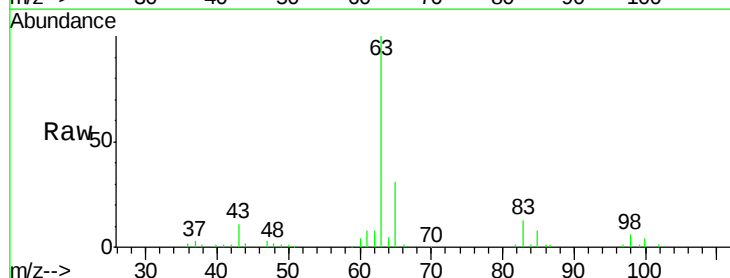
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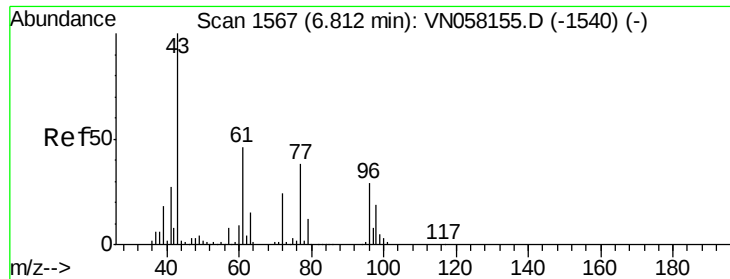
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#24
 1,1-Dichloroethane
 Concen: 21.146 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 63 Resp: 156662
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 112.982 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 43 Resp: 300611

Ion Ratio Lower Upper

43 100

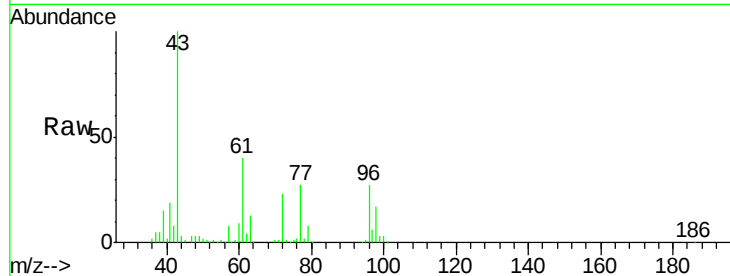
72 23.1 19.5 29.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

120000

100000

80000

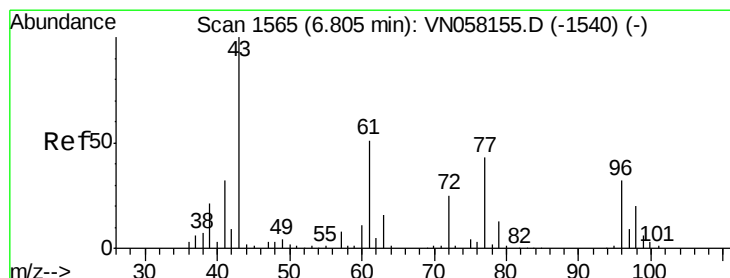
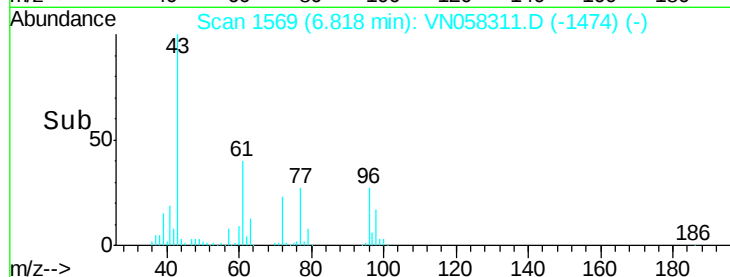
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 16.550 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058311.D

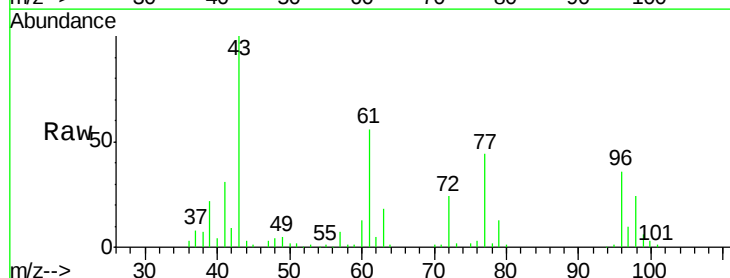
Acq: 23 Sep 2019 22:54

Tgt Ion: 77 Resp: 104019

Ion Ratio Lower Upper

77 100

97 22.1 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

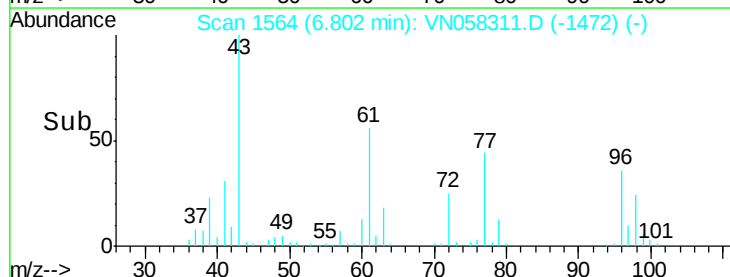
30000

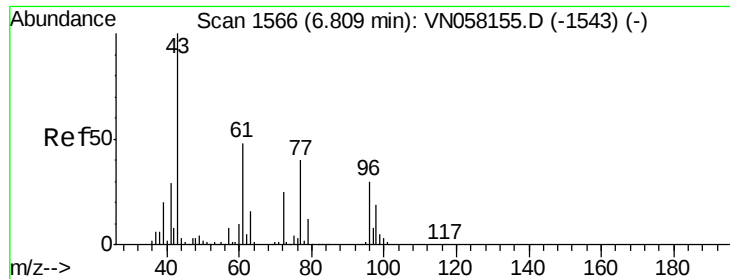
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.929 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

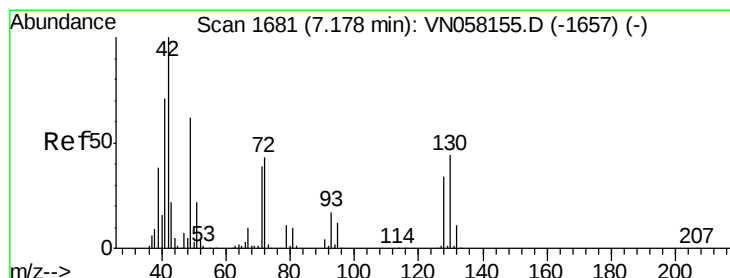
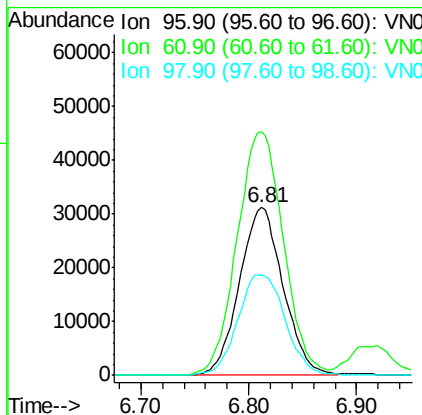
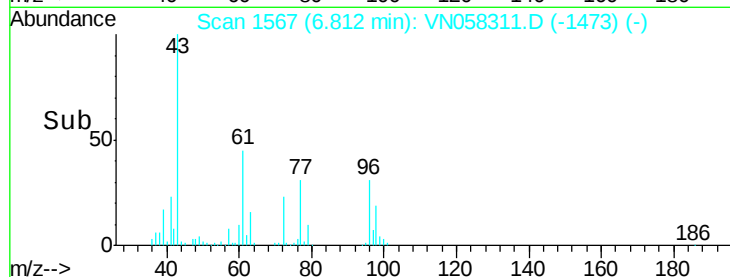
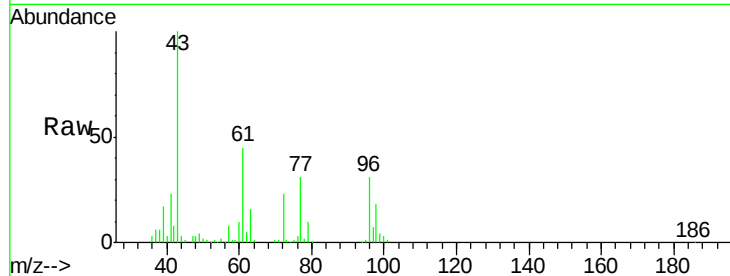
ClientSampleId :

VN0923WBS02

Tot Ion:	96	Resp:	87673
Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	319.0
98	64.9	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 22.972 ug/l

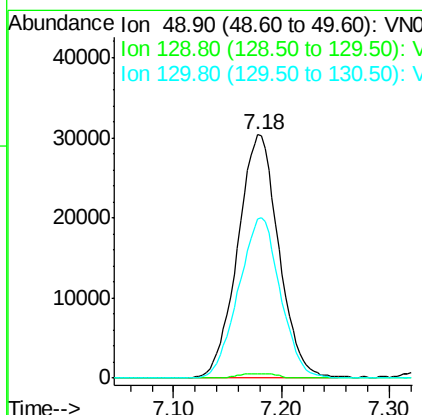
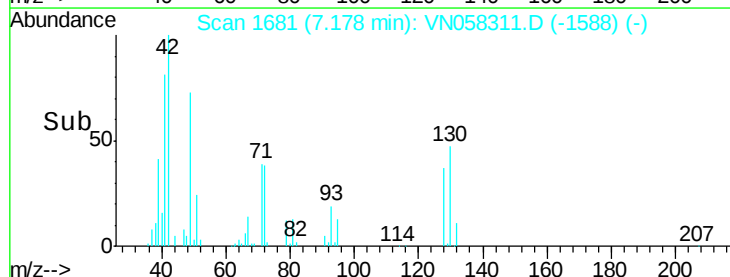
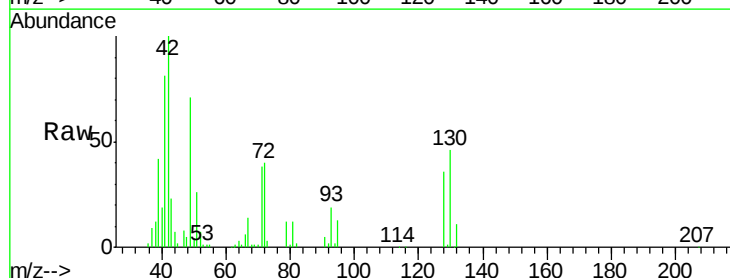
RT: 7.18 min Scan# 1681

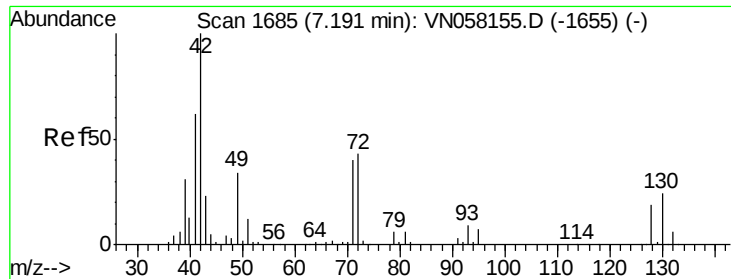
Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion:	49	Resp:	80512
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.8
130	66.7	55.4	83.2





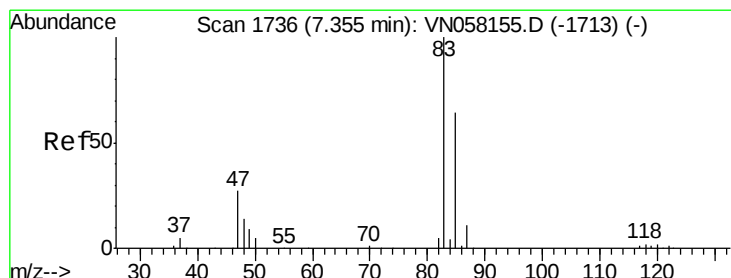
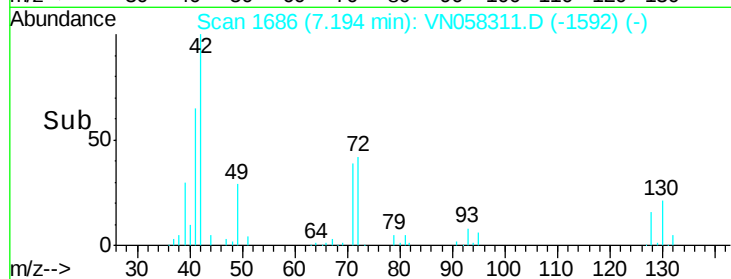
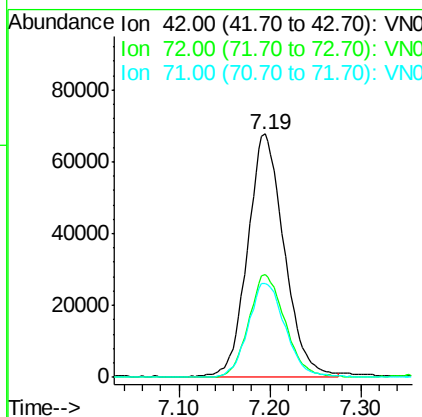
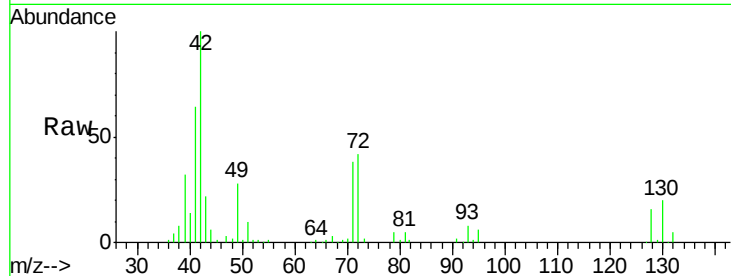
#29
Tetrahydrofuran
Concen: 115.881 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.8	50.6
71	39.1	31.4	47.0

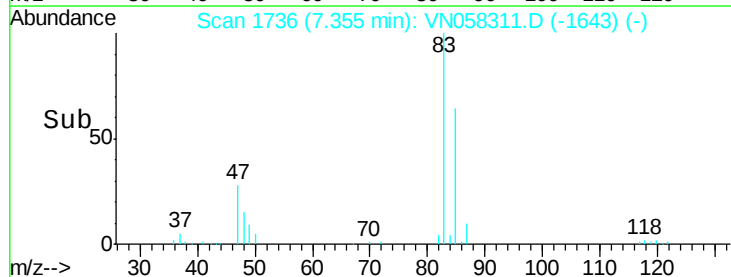
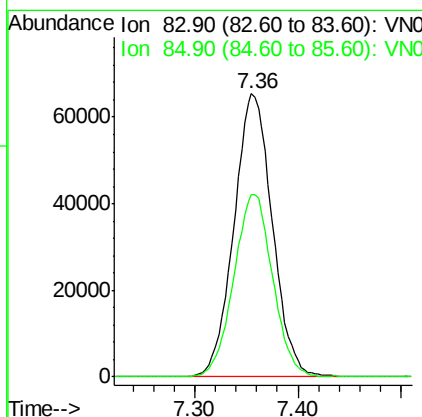
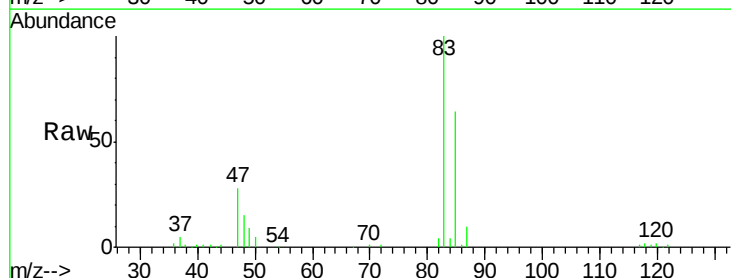
Manual Integrations
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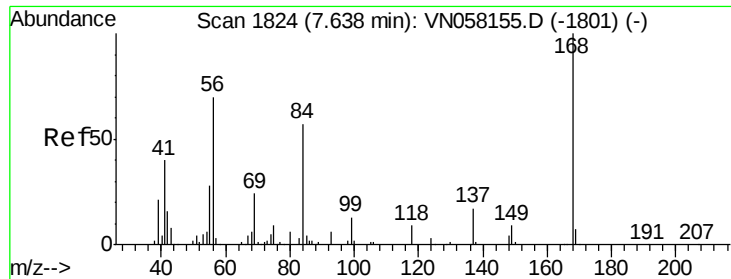
MMDadoda
9/26/2019 12:43:11 AM



#30
Chloroform
Concen: 21.204 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





#31

Cyclohexane

Concen: 19.424 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

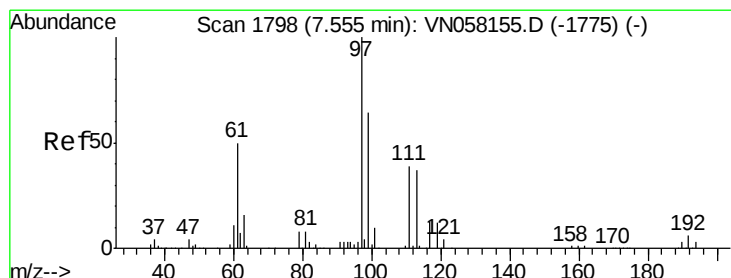
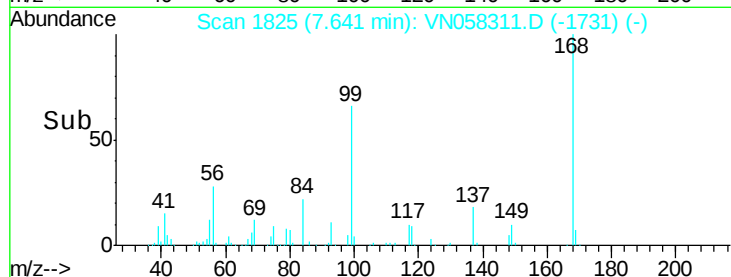
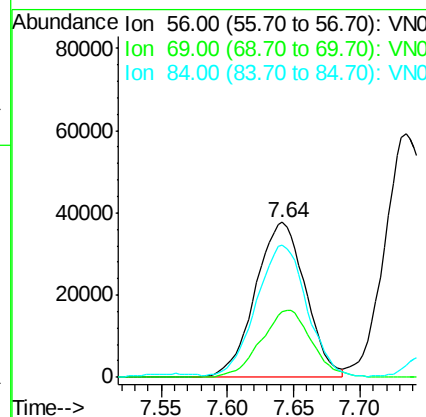
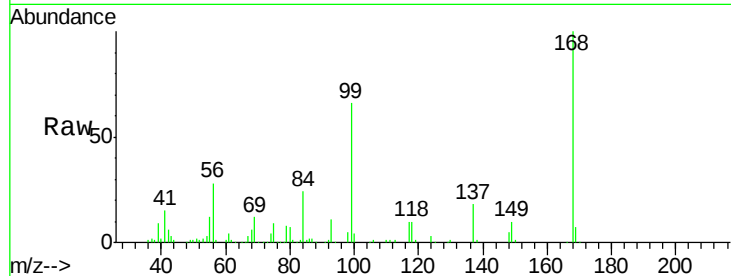
ClientSampleId :

VN0923WBS02

Tot Ion:	56	Resp:	100093
Ion Ratio		Lower	Upper
56	100		
69	42.0	27.3	40.9#
84	83.4	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 21.600 ug/l

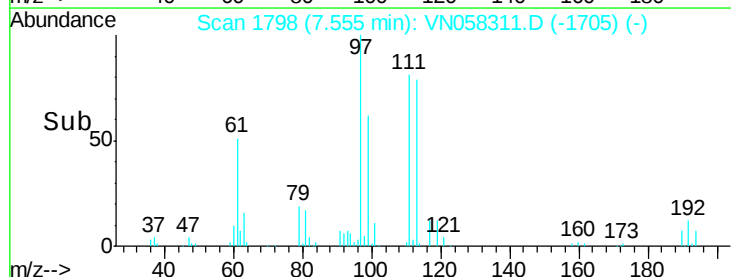
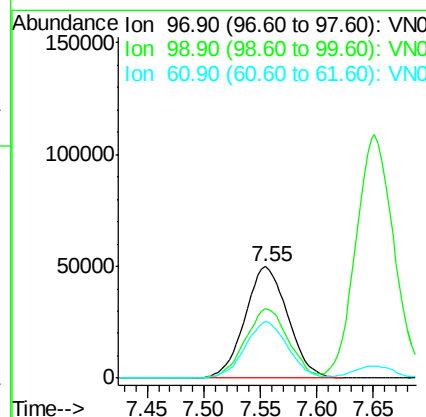
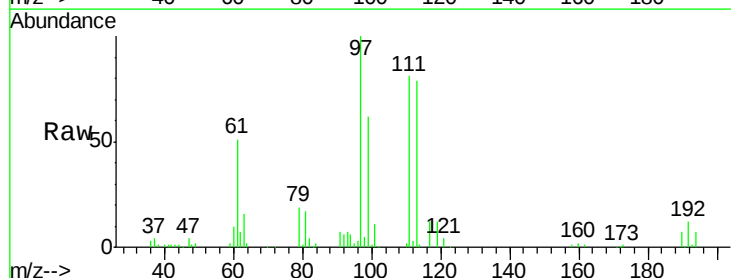
RT: 7.55 min Scan# 1798

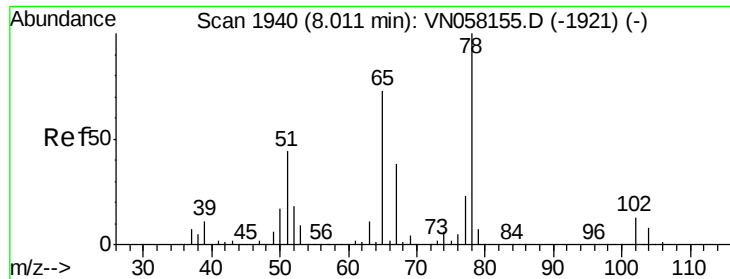
Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion:	97	Resp:	131136
Ion Ratio		Lower	Upper
97	100		
99	62.7	50.9	76.3
61	50.8	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 54.422 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 65 Resp: 313117

Ion Ratio Lower Upper

65 100

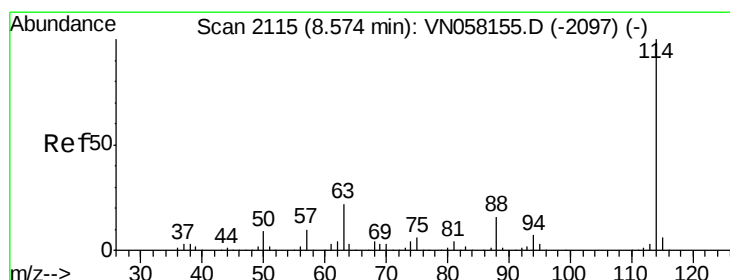
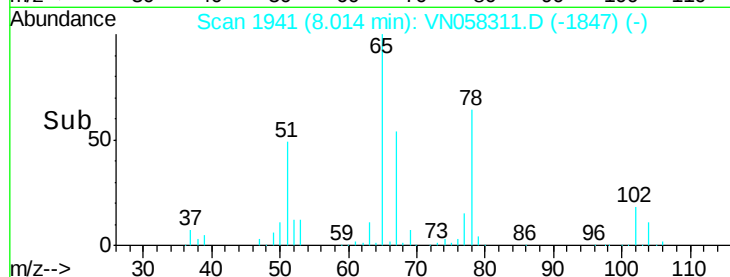
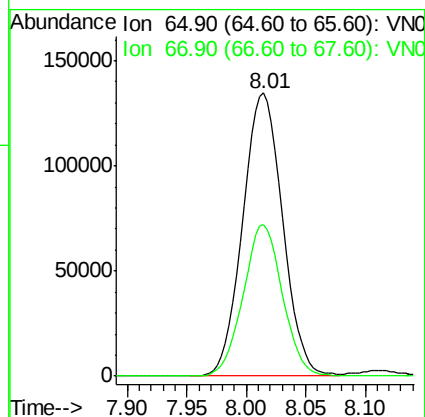
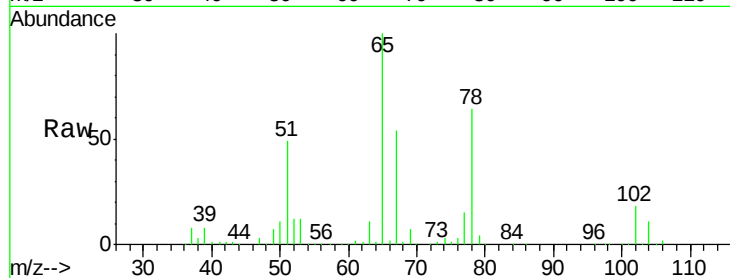
67 52.6 0.0 103.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

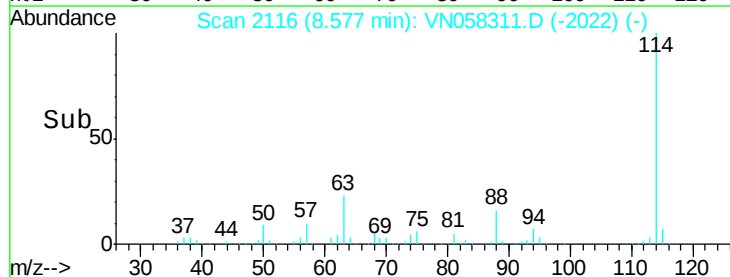
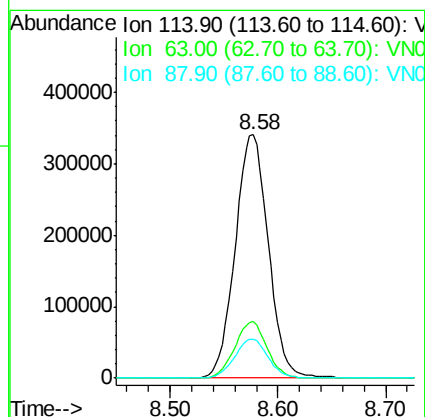
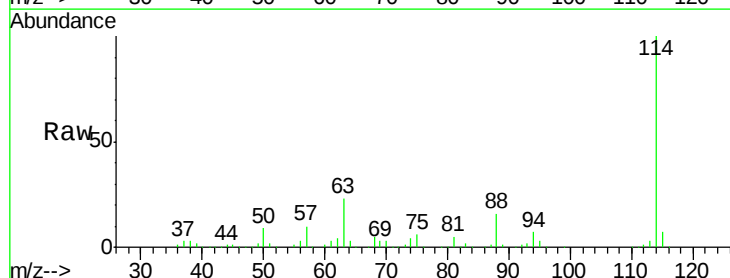
Tgt Ion: 114 Resp: 729190

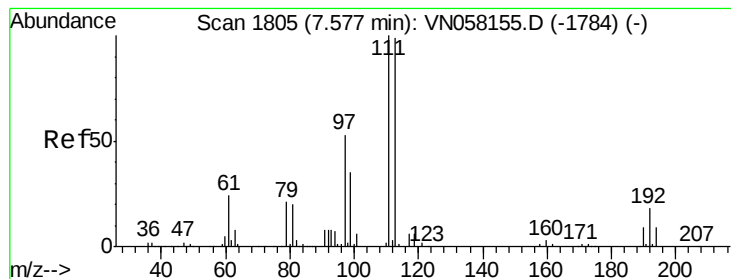
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.2

88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.060 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

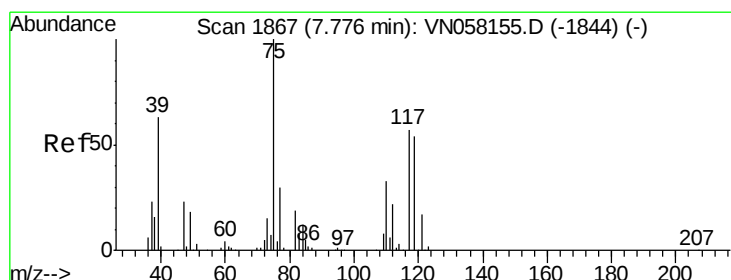
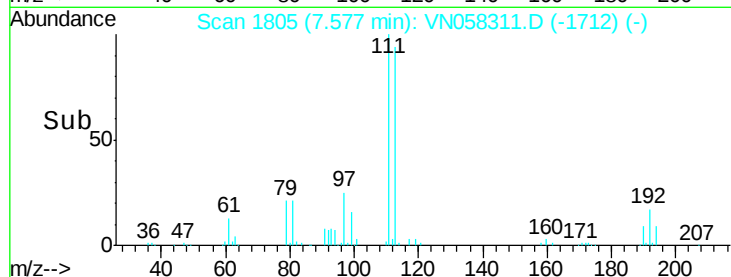
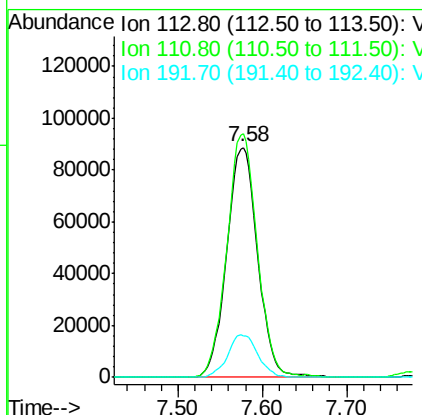
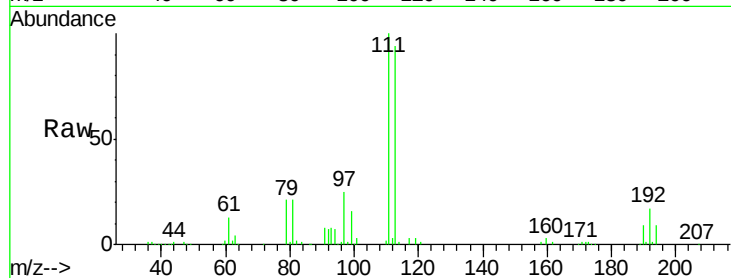
ClientSampleId :

VN0923WBS02

Tot Ion:	113	Resp:	226342
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.8	122.6
192	18.1	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.021 ug/l

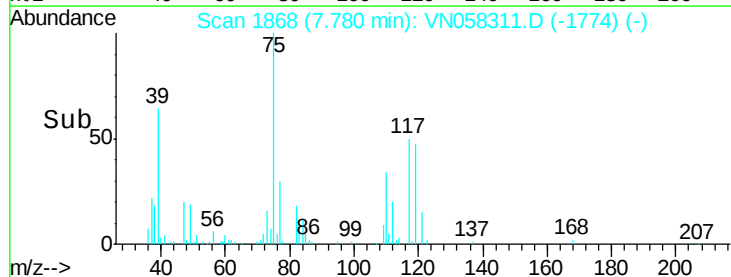
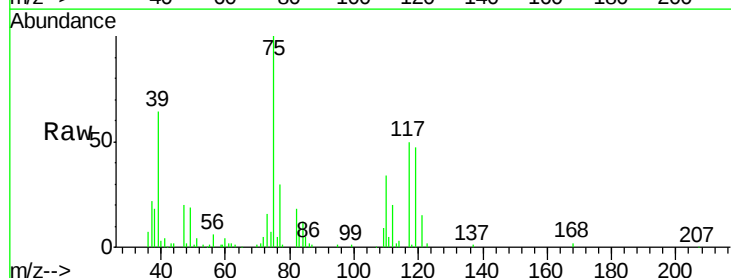
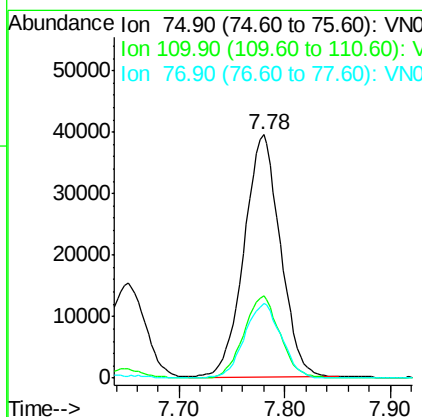
RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion:	75	Resp:	94763
Ion Ratio	Lower	Upper	
75	100		
110	33.6	16.6	49.7
77	31.1	24.3	36.5





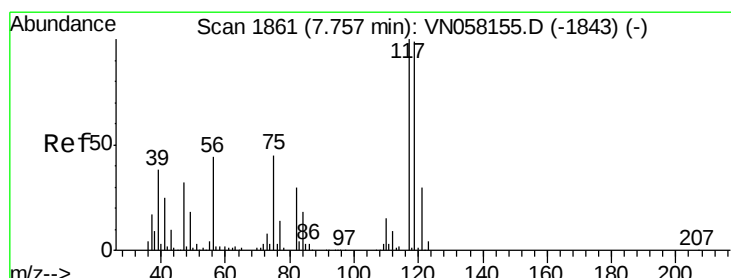
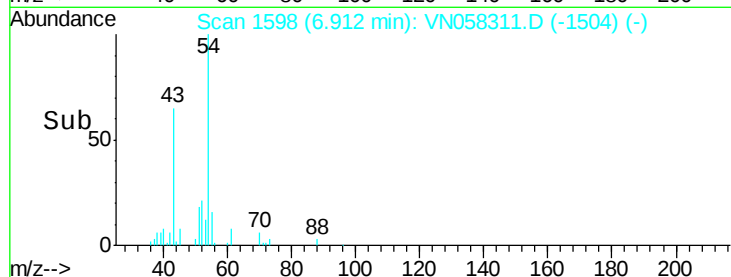
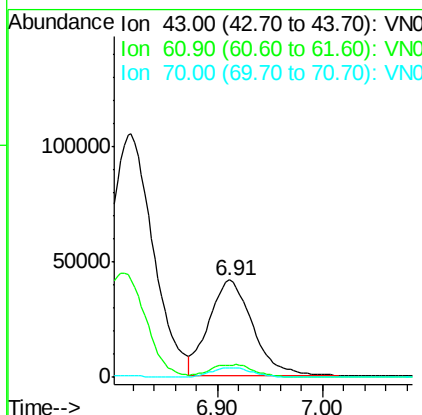
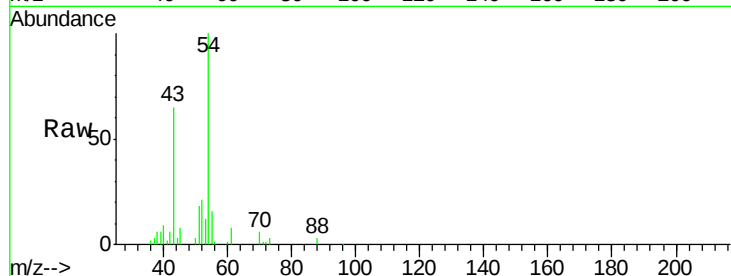
#37
Ethyl Acetate
Concen: 21.931 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.1	119680	10.7	16.1
70	9.8		7.6	11.4

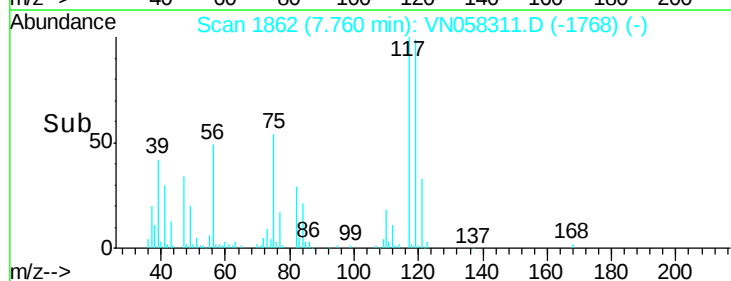
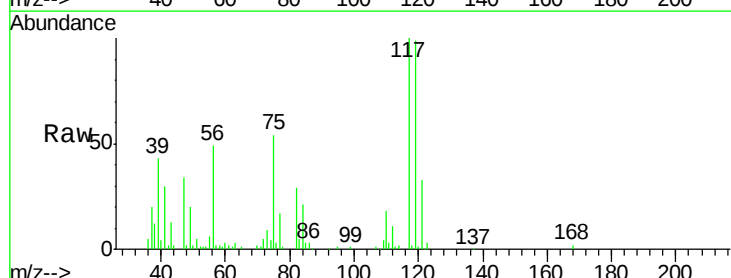
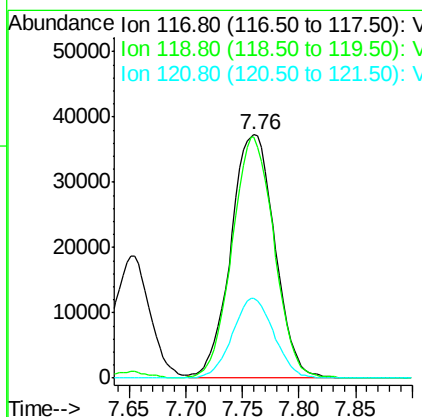
Manual Integrations
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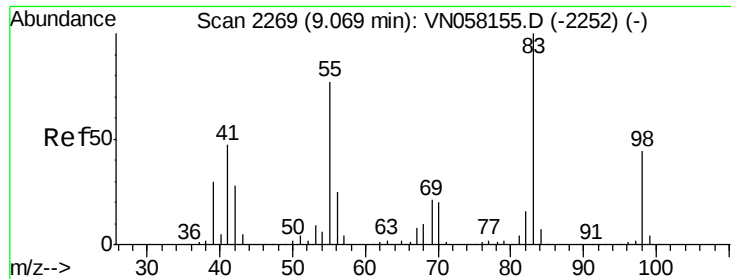
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#38
Carbon Tetrachloride
Concen: 19.069 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100798		
119	99.1		78.6	117.8
121	32.8		24.1	36.1





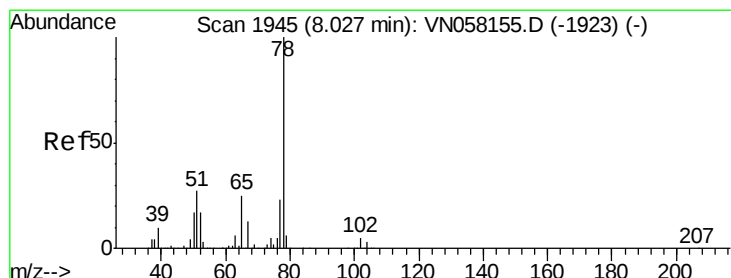
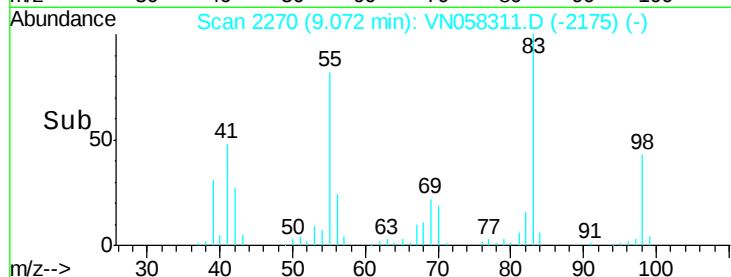
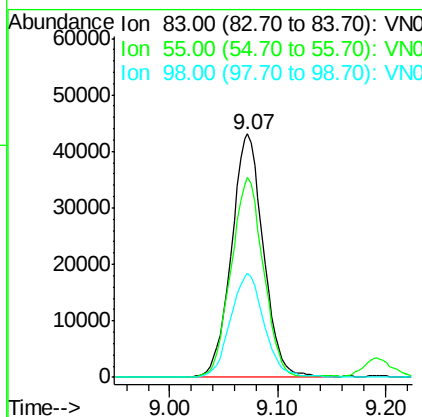
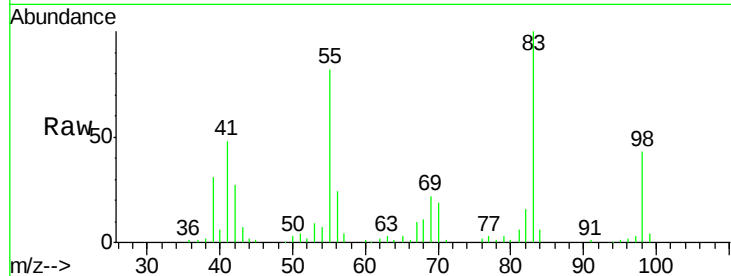
#39
Methvlcvclohexane
Concen: 17.517 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.1	61.9	92.9	
98	42.9	35.4	53.2	

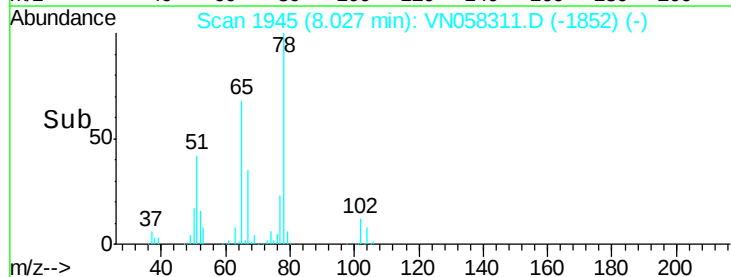
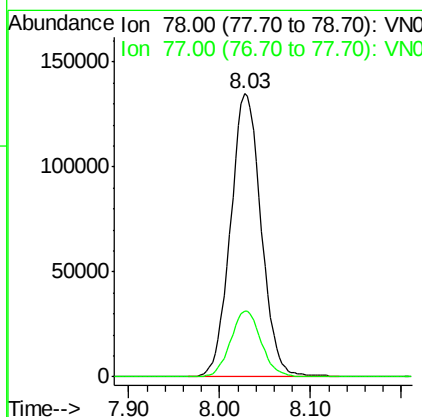
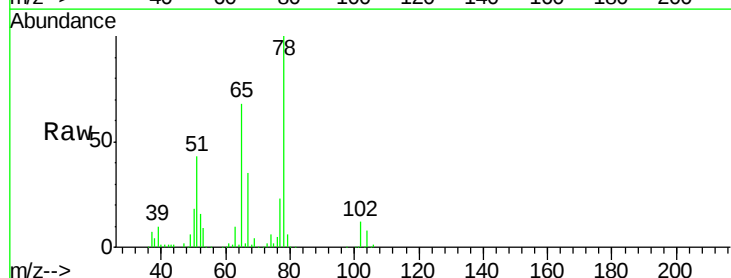
Manual Integrations
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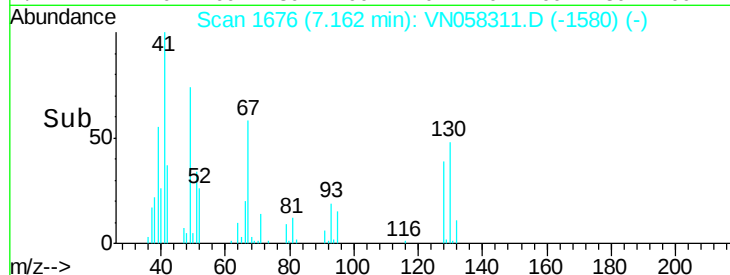
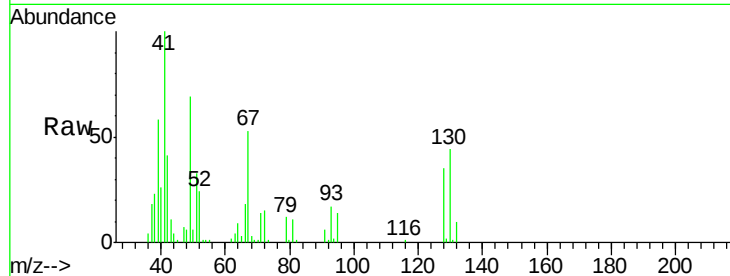
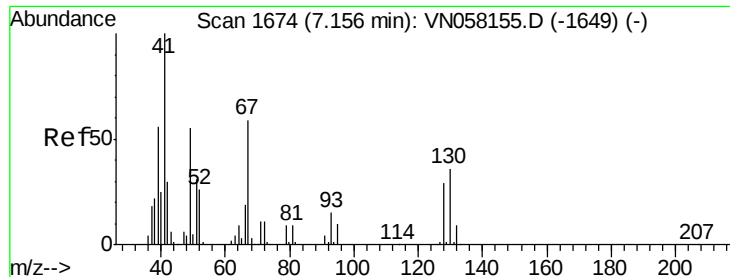
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#40
Benzene
Concen: 19.654 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.8	28.2	





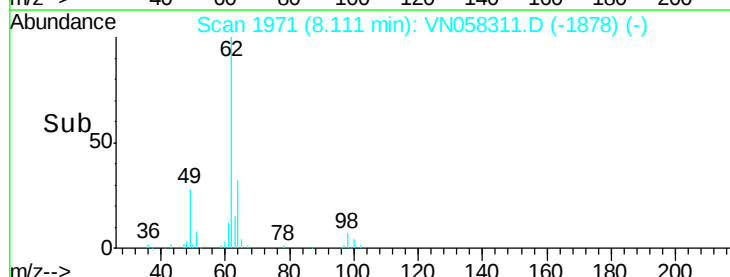
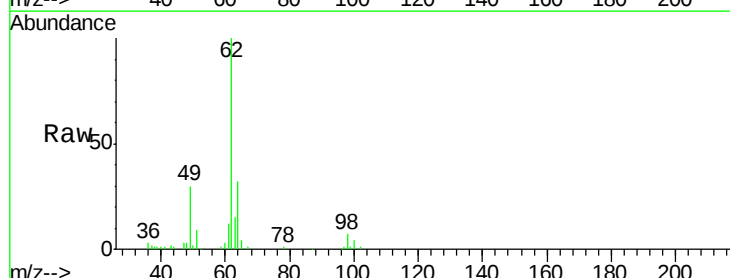
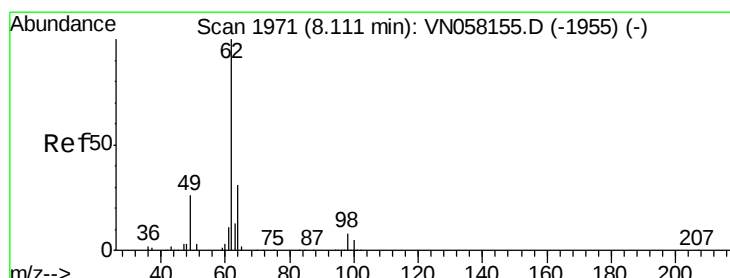
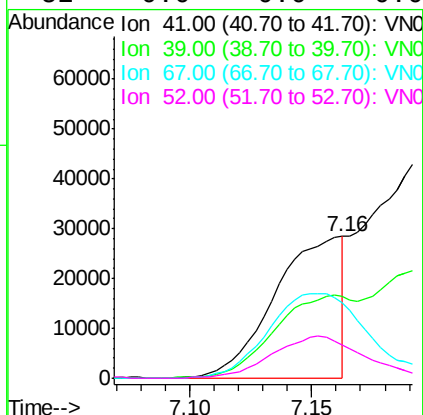
#41
Methacrylonitrile
Concen: 20.630 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tot Ion	41	Resp	55219
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

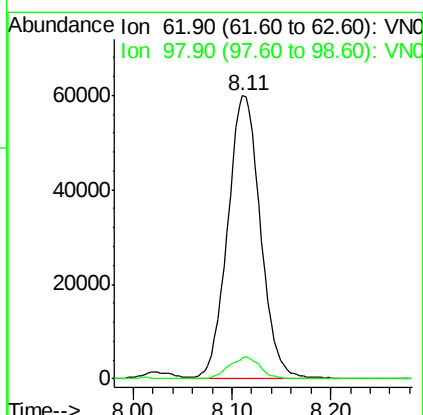
Manual Integrations
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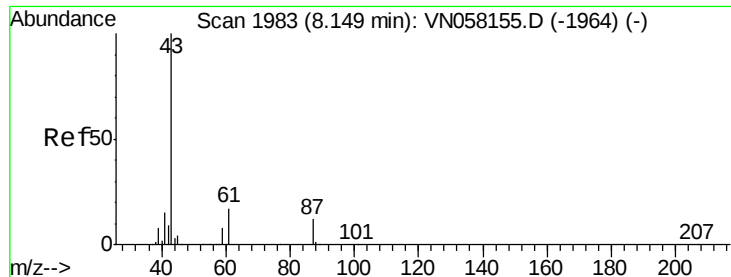
MMDadoda
9/26/2019 12:43:11 AM



#42
1,2-Dichloroethane
Concen: 20.660 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	62	Resp	139235
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.6





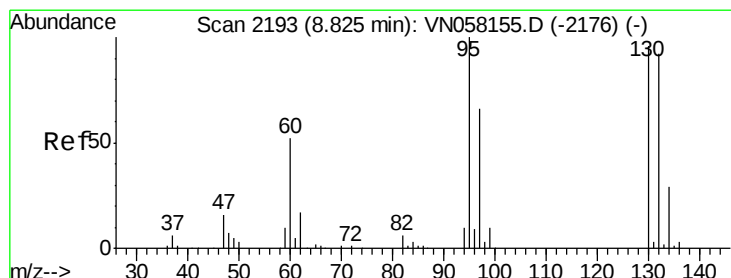
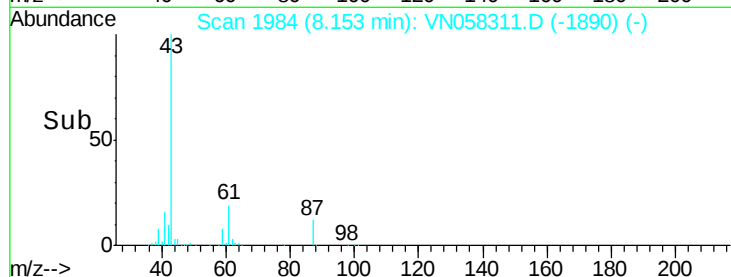
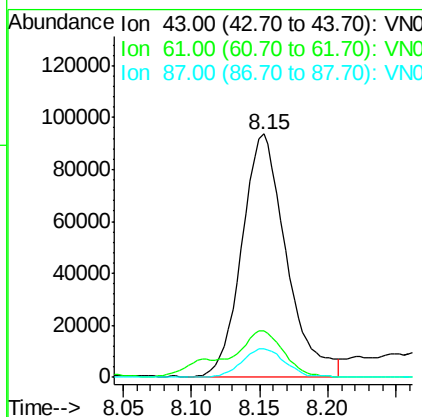
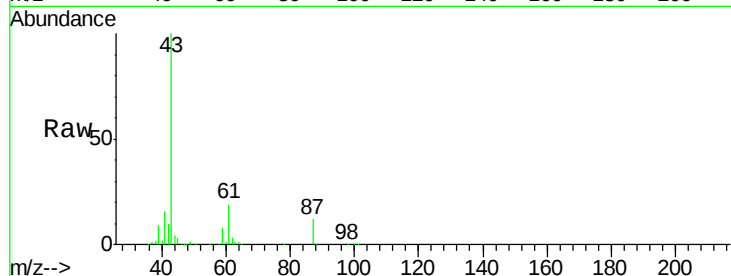
#43
Isopropyl Acetate
Concen: 20.629 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	19.7	29.5#
87	11.7	9.4	14.2

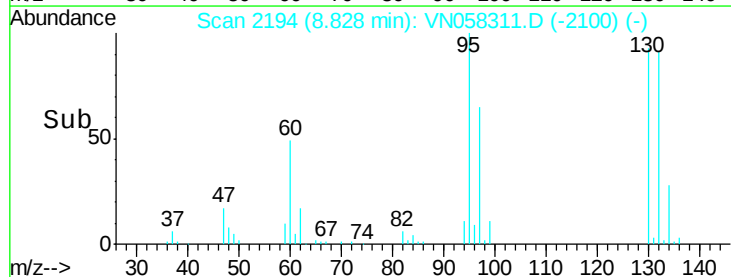
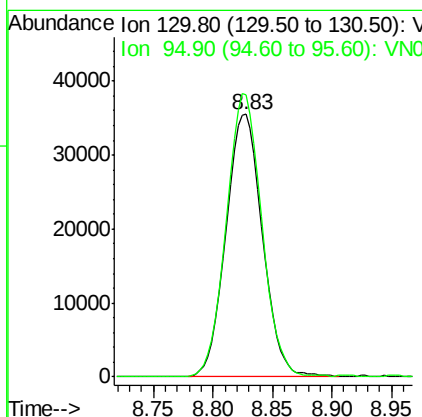
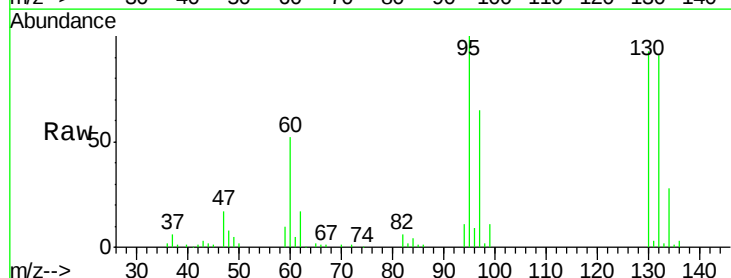
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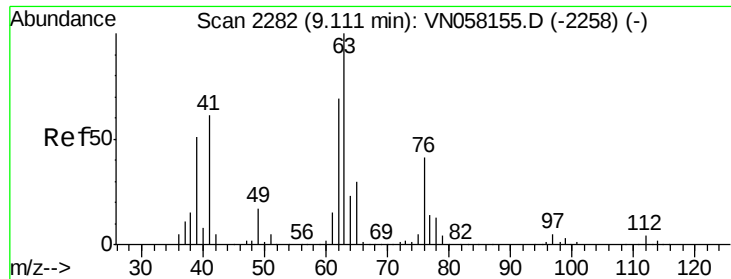
MMDadoda
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#44
Trichloroethene
Concen: 19.206 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	207.8





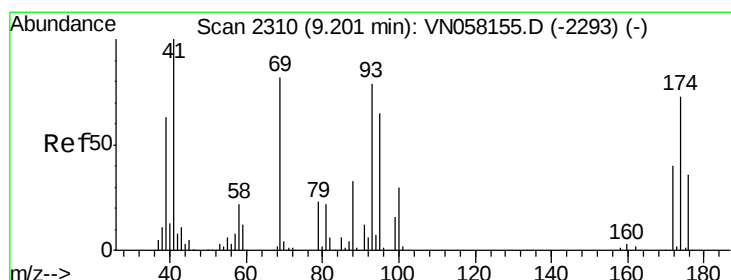
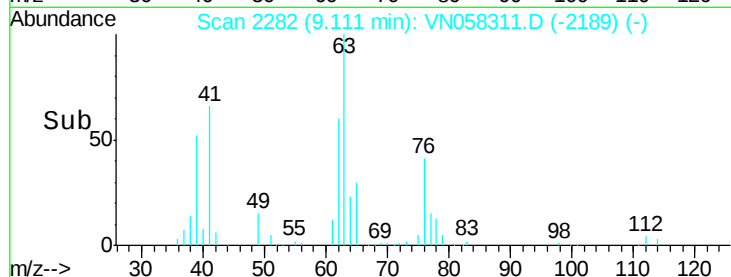
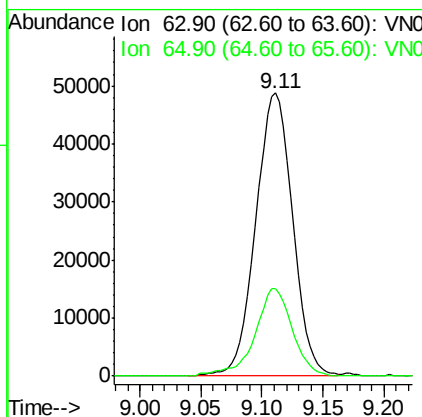
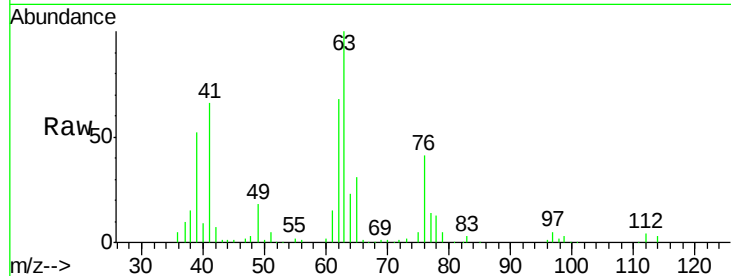
#45
 1,2-Dichloropropane
 Concen: 21.381 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.8	35.6

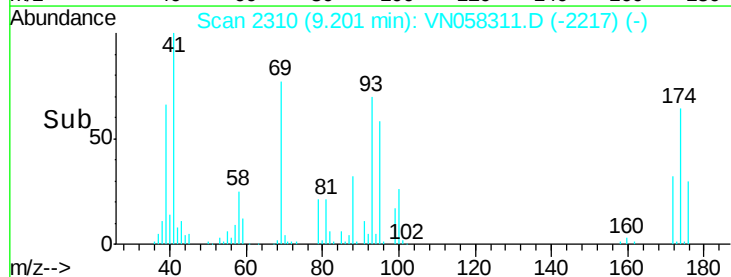
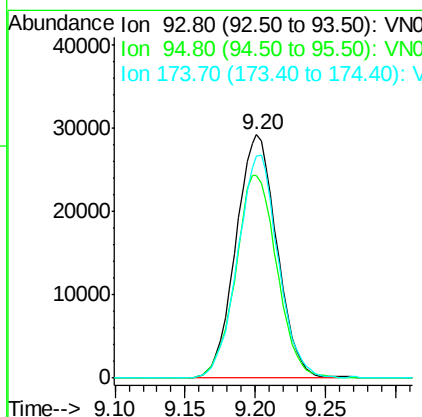
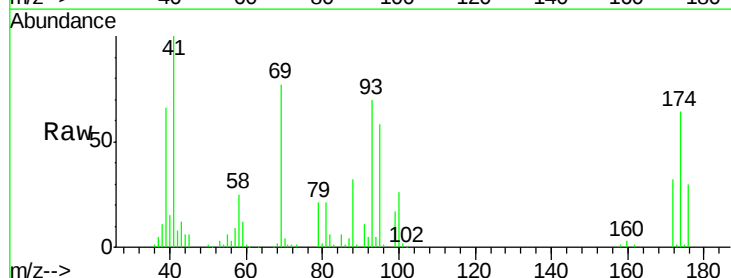
Manual Integrations
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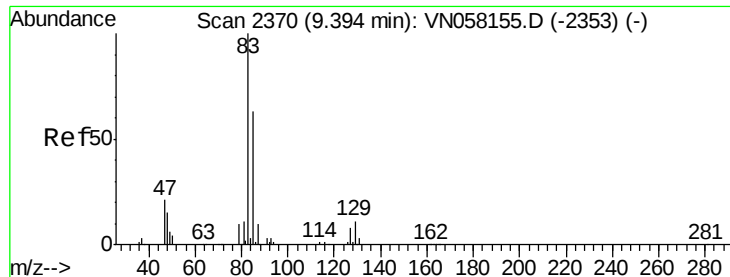
MMDadoda
 9/26/2019 12:43:11 AM



#46
 Dibromomethane
 Concen: 20.363 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.8	100.2
174	90.5	73.8	110.8





#47

Bromodichloromethane

Concen: 20.372 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

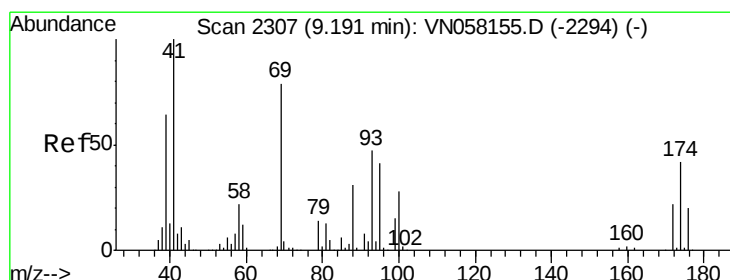
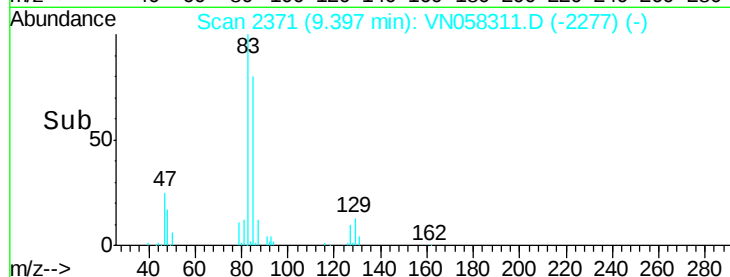
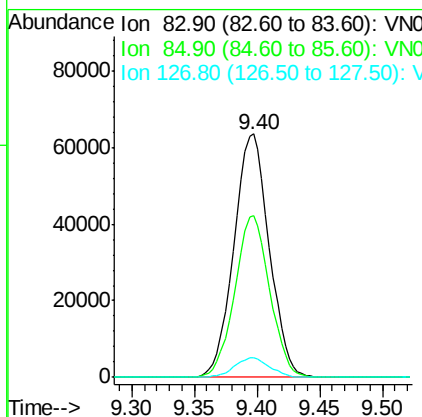
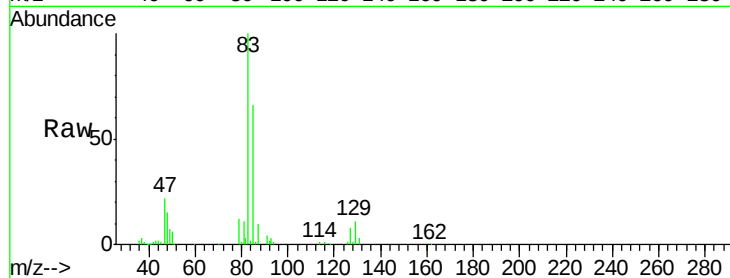
ClientSampleId :

VN0923WBS02

Tot Ion:	83	Resp:	124460
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.1	75.1
127	8.1	6.4	9.6

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#48

Methyl methacrylate

Concen: 21.065 ug/l

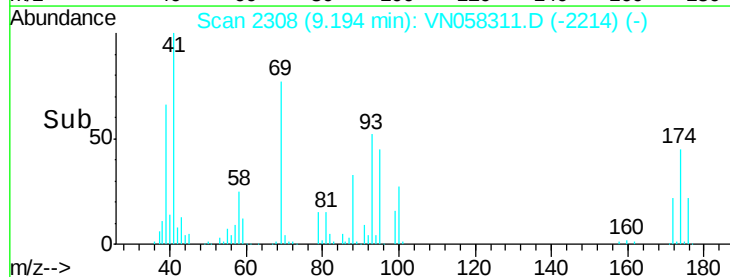
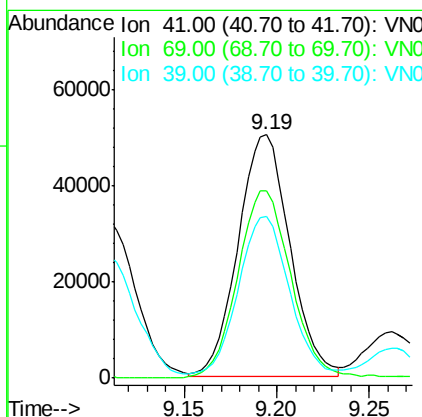
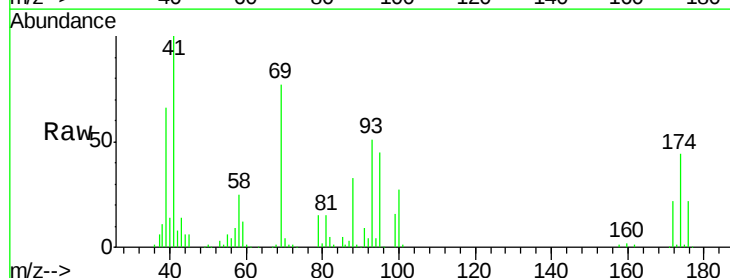
RT: 9.19 min Scan# 2308

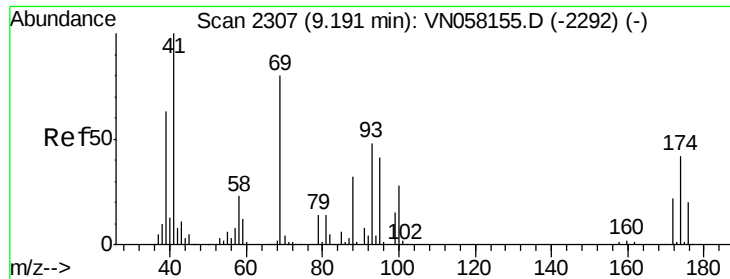
Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion:	41	Resp:	97478
Ion	Ratio	Lower	Upper
41	100		
69	79.9	62.5	93.7
39	66.6	52.3	78.5





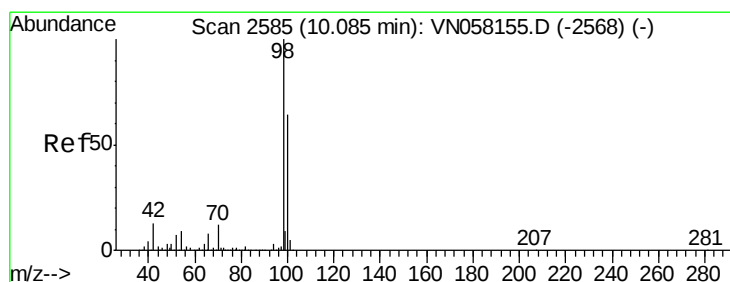
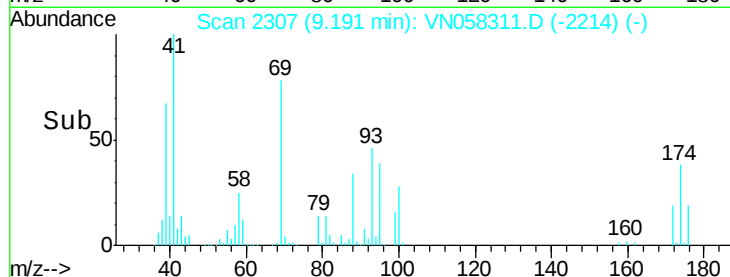
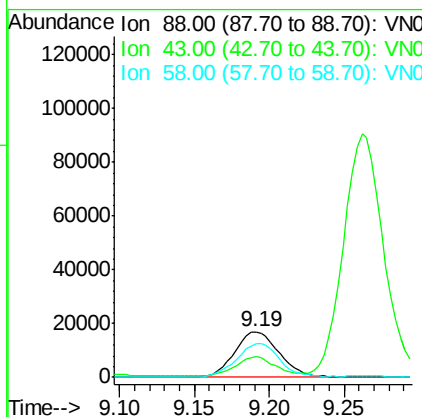
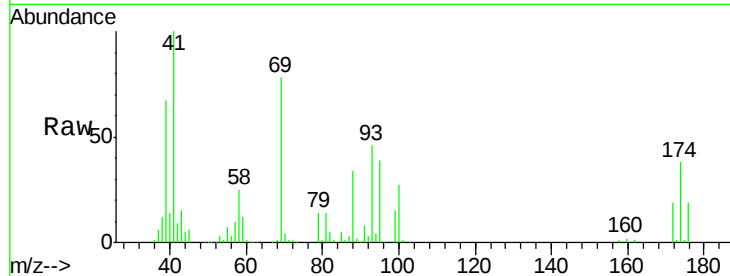
#49
 1,4-Dioxane
 Concen: 464.331 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion	88	Resp	35278
Ion	Ratio	Lower	Upper
88	100		
43	38.0	27.8	41.8
58	72.5	55.0	82.4

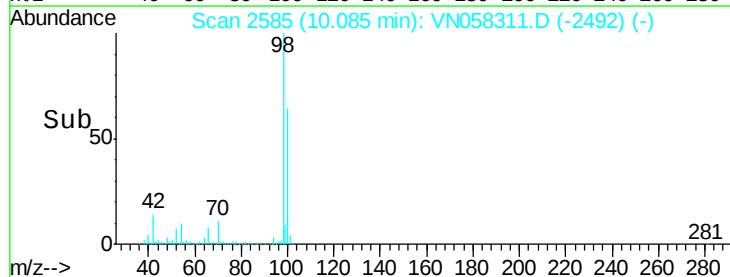
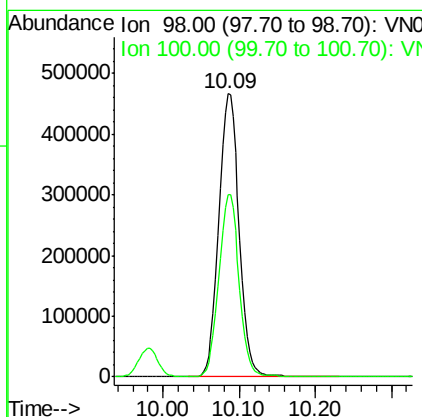
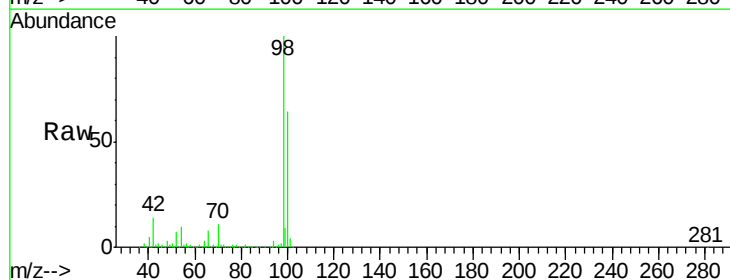
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#50
 Toluene-d8
 Concen: 50.166 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	98	Resp	866430
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 123.261 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 43 Resp: 667275

Ion Ratio Lower Upper

43 100

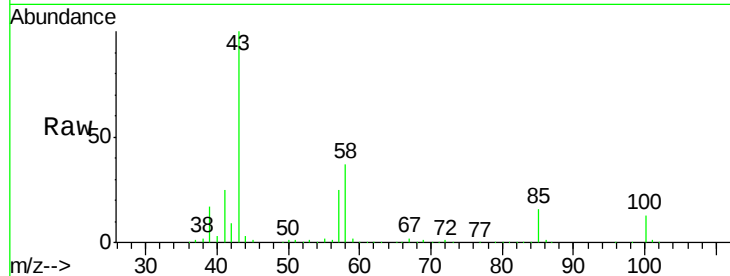
58 36.5 30.2 45.4

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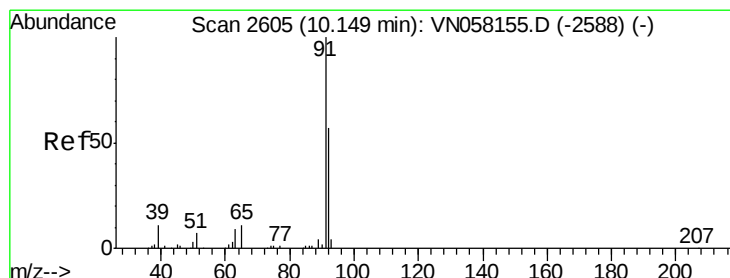
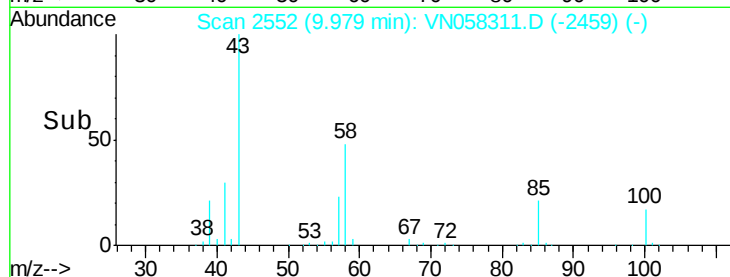
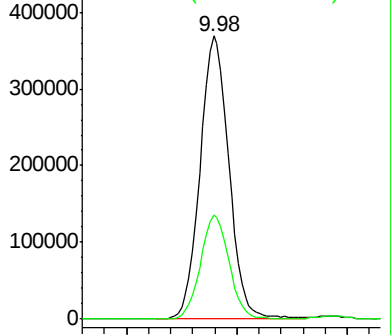
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.281 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058311.D

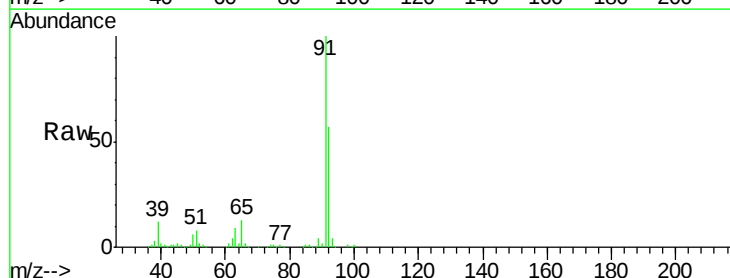
Acq: 23 Sep 2019 22:54

Tgt Ion: 92 Resp: 194080

Ion Ratio Lower Upper

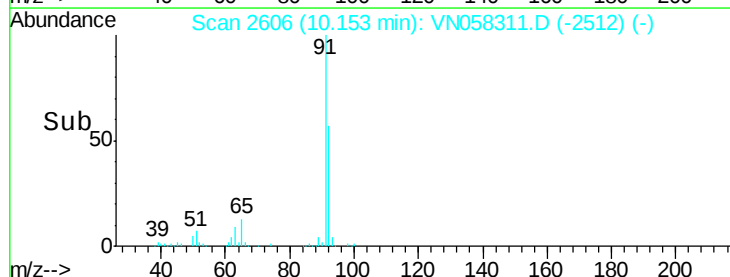
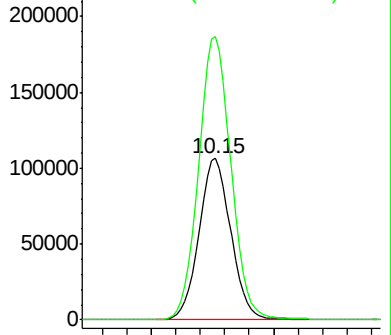
92 100

91 178.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





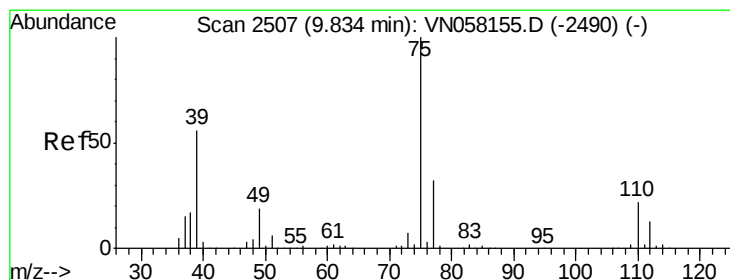
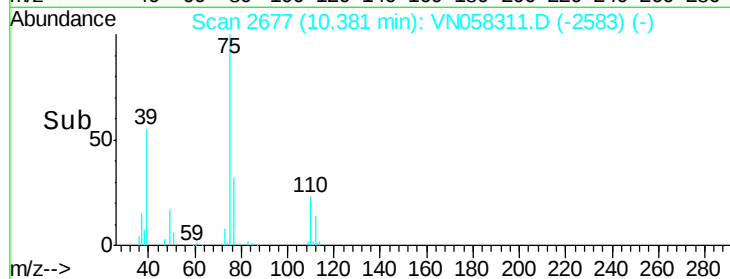
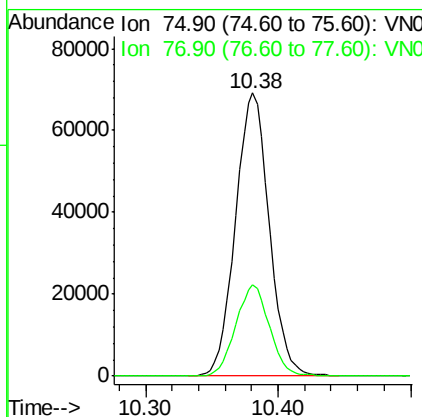
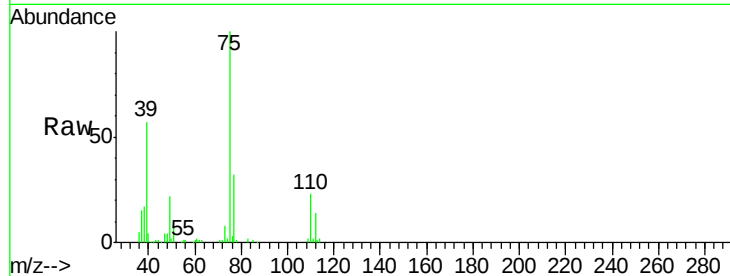
#53
 t-1,3-Dichloropropene
 Concen: 19.468 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3

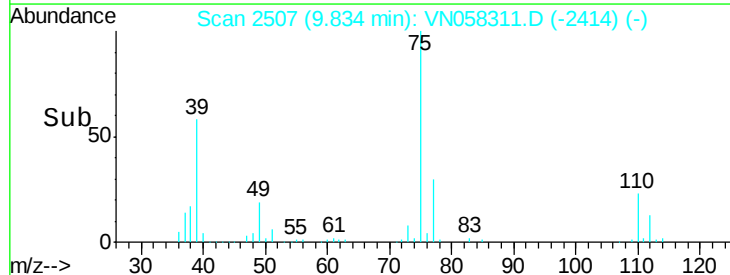
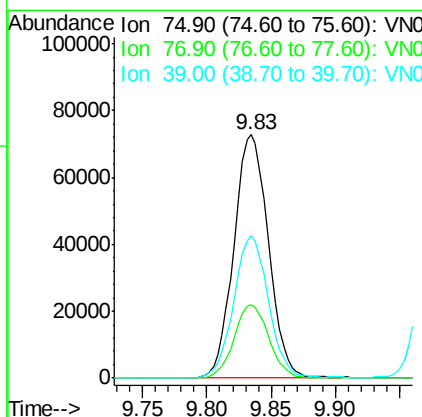
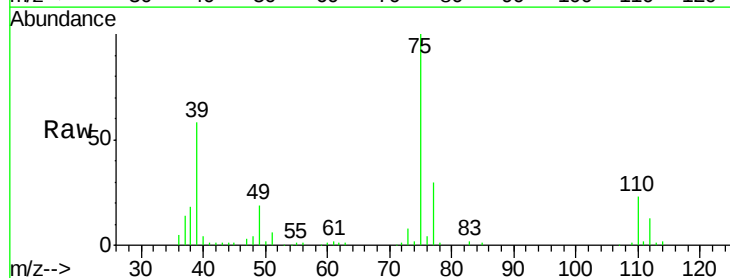
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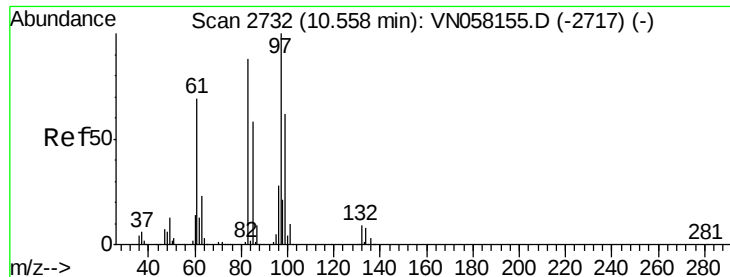
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#54
 cis-1,3-Dichloropropene
 Concen: 19.643 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	58.2	45.0	67.6





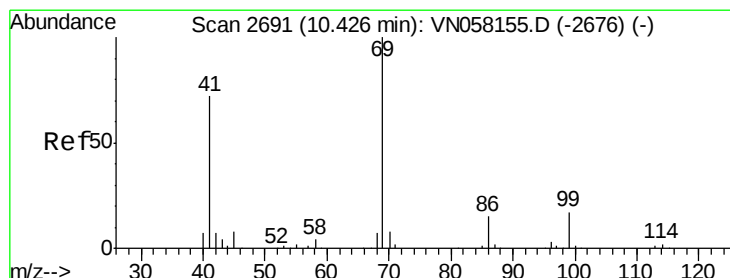
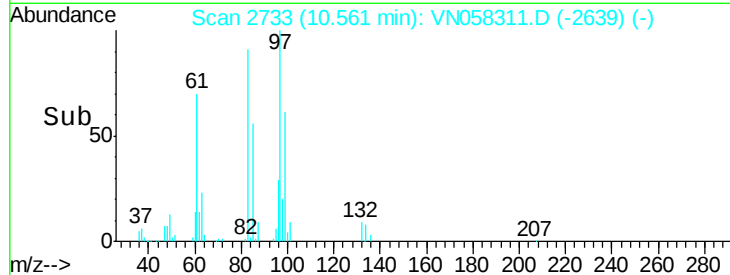
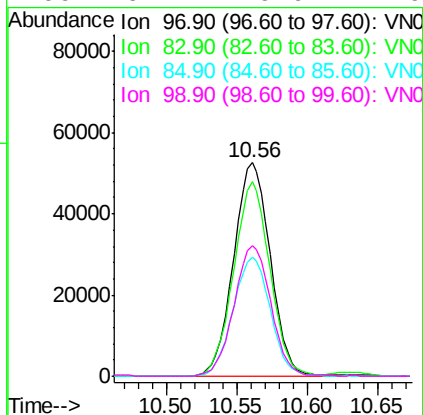
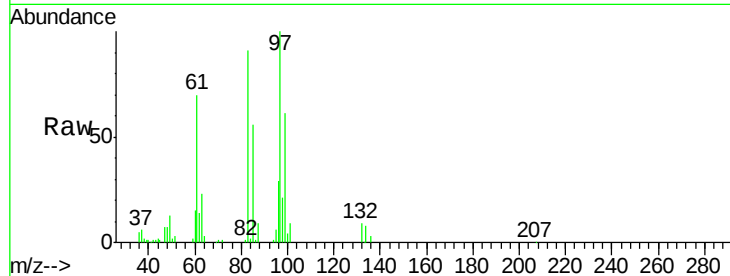
#55
 1,1,2-Trichloroethane
 Concen: 21.599 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	91.2	70.4	105.6		
85	55.6	46.8	70.2		
99	61.4	49.9	74.9		

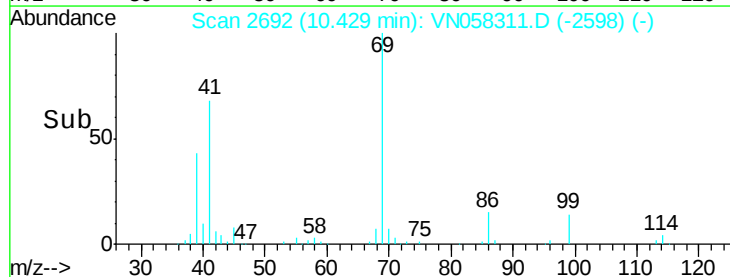
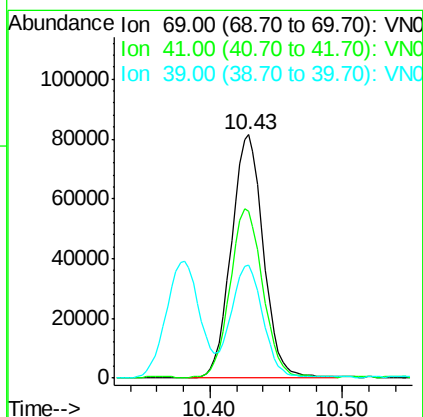
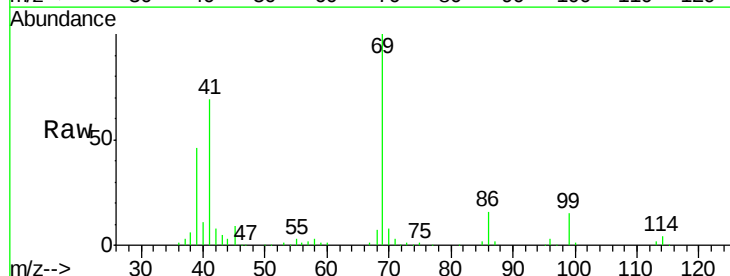
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#56
 Ethyl methacrylate
 Concen: 21.265 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	70.1	57.5	86.3		
39	45.6	36.1	54.1		





#57

1,3-Dichloropropane

Concen: 21.152 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS02

Tot Ion: 76 Resp: 162430

Ion Ratio Lower Upper

76 100

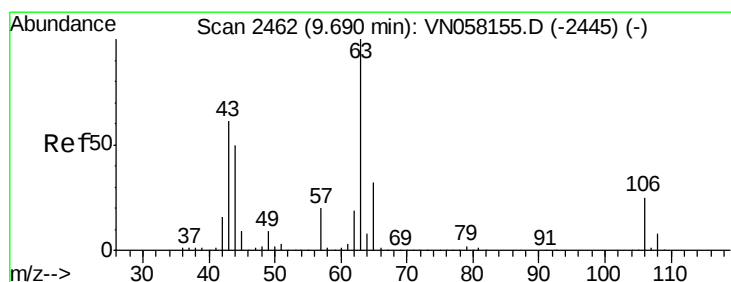
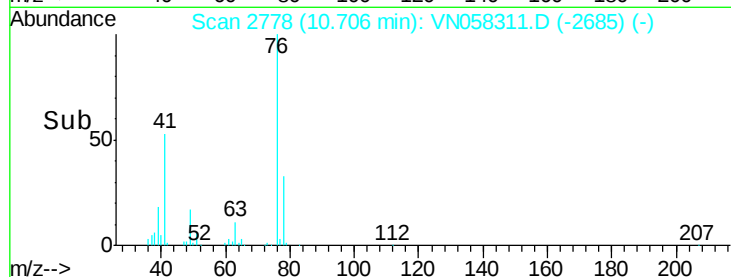
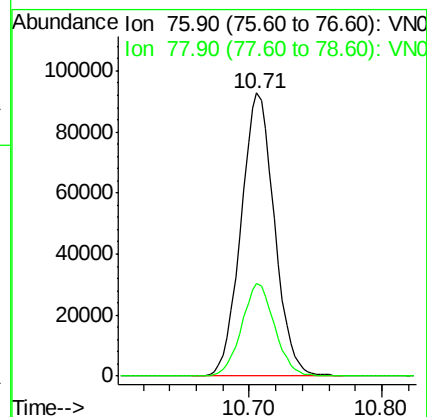
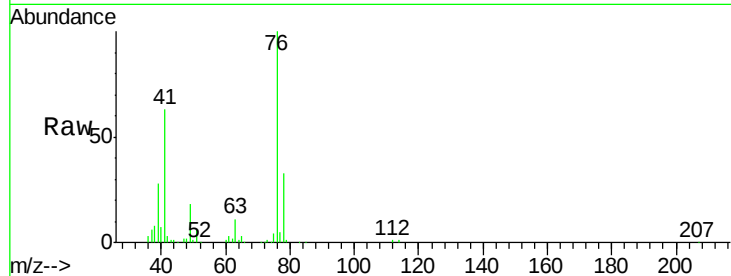
78 32.3 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 111.326 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058311.D

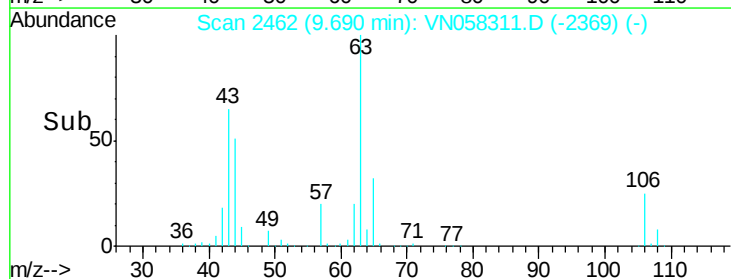
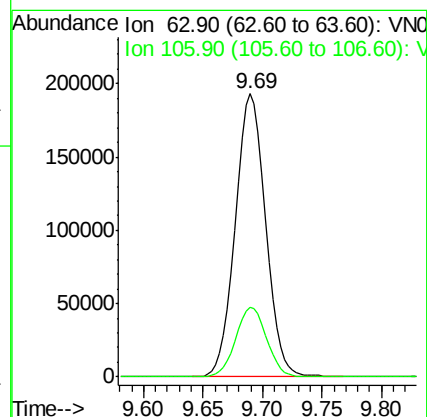
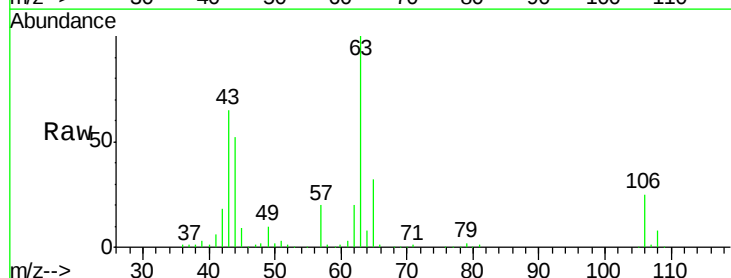
Acq: 23 Sep 2019 22:54

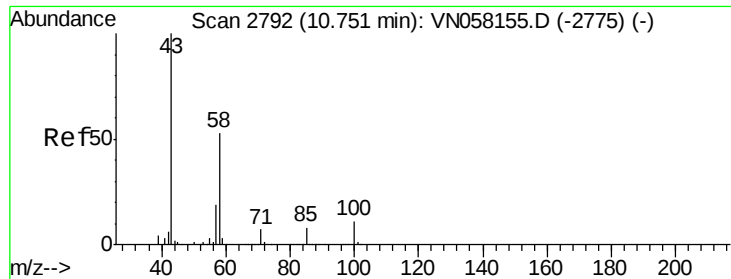
Tgt Ion: 63 Resp: 341768

Ion Ratio Lower Upper

63 100

106 25.1 19.9 29.9





#59

2-Hexanone

Concen: 116.796 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 43 Resp: 469586

Ion Ratio Lower Upper

43 100

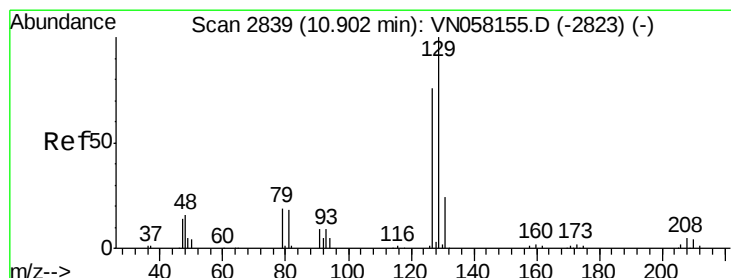
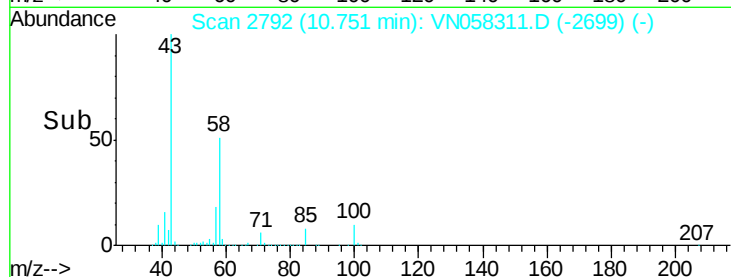
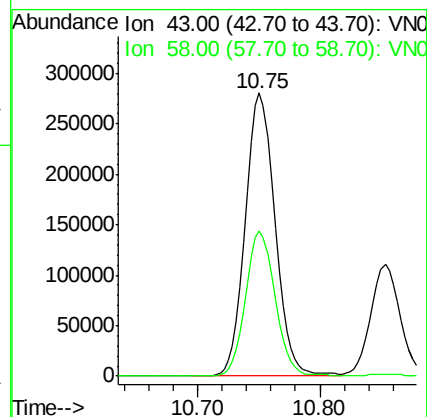
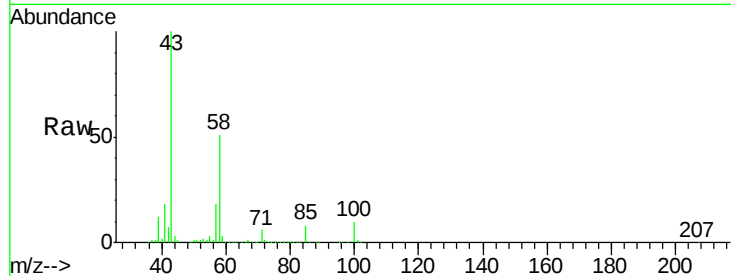
58 51.1 26.0 78.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.507 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058311.D

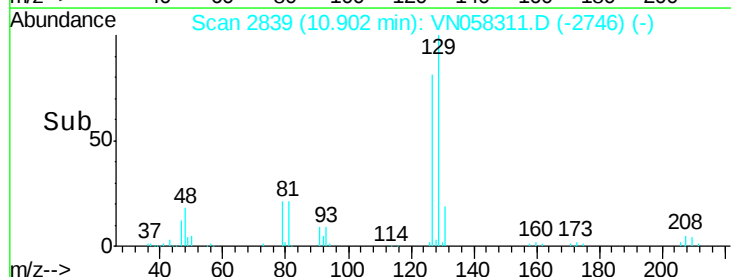
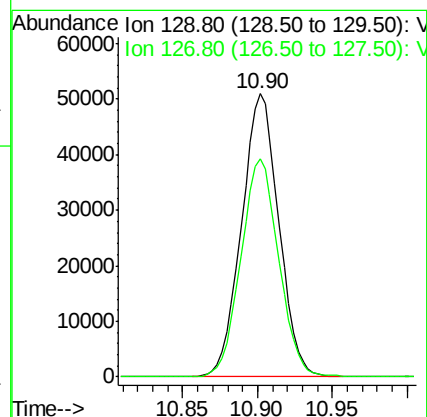
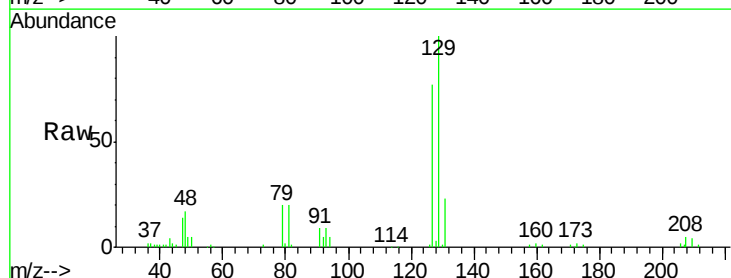
Acq: 23 Sep 2019 22:54

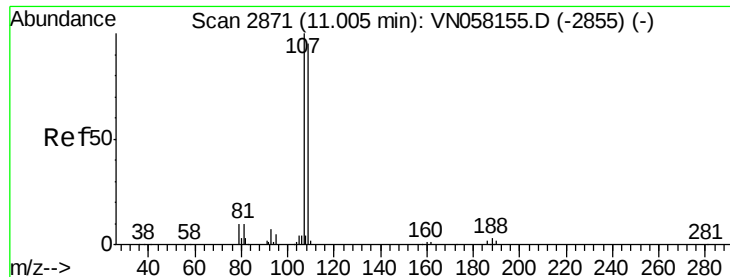
Tgt Ion: 129 Resp: 88130

Ion Ratio Lower Upper

129 100

127 78.2 38.7 116.1





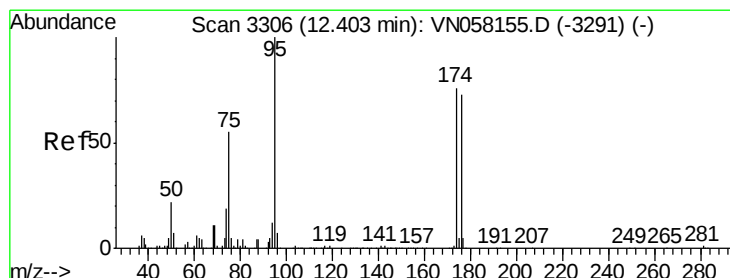
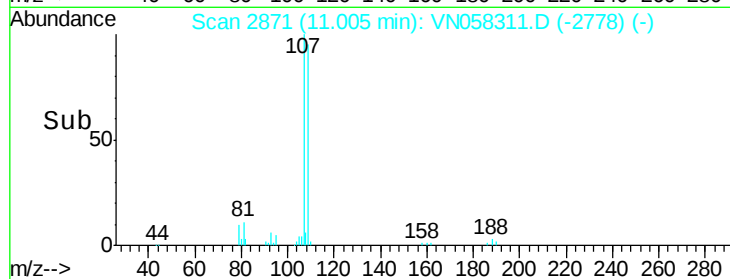
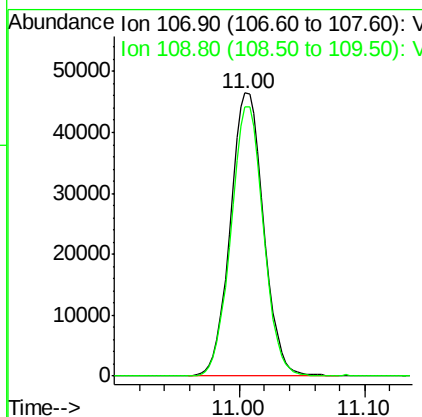
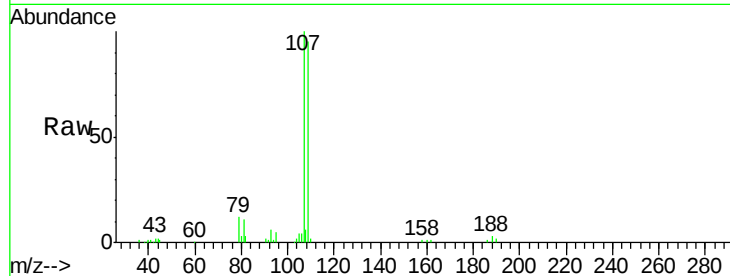
#61
 1,2-Dibromoethane
 Concen: 20.651 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.2

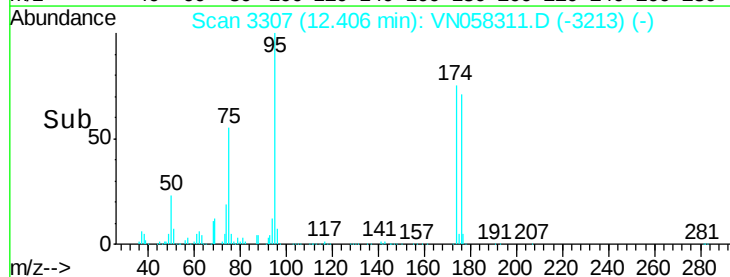
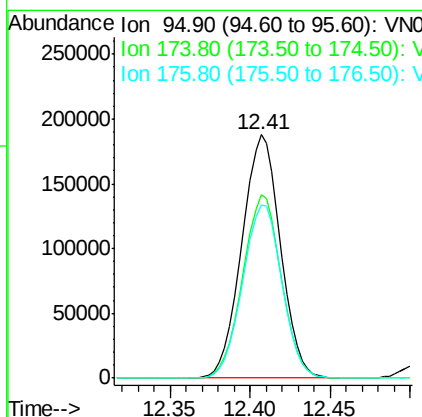
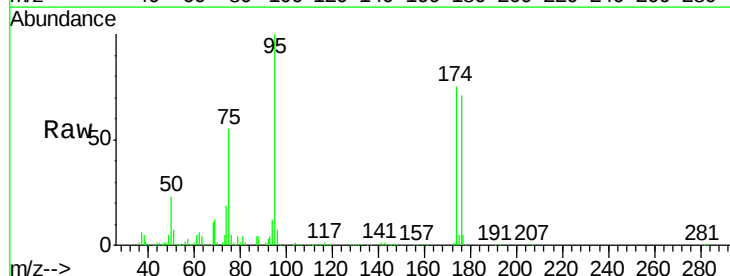
Manual Integrations
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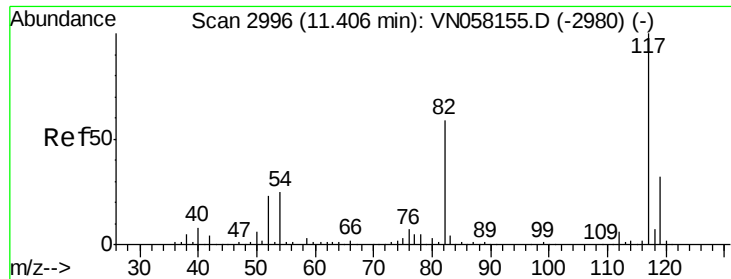
MMDadoda
 9/26/2019 12:43:11 AM



#62
 4-Bromofluorobenzene
 Concen: 48.024 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	152.2
176	72.7	0.0	148.0





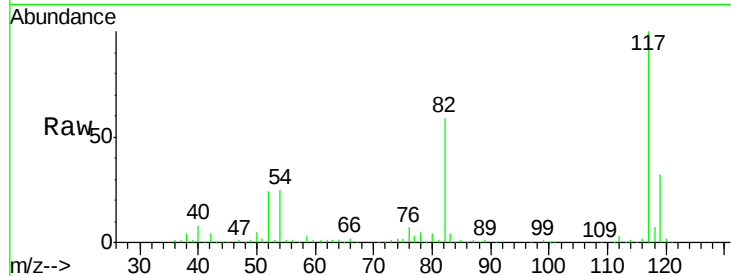
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.9	70.3
119	32.2	25.3	37.9

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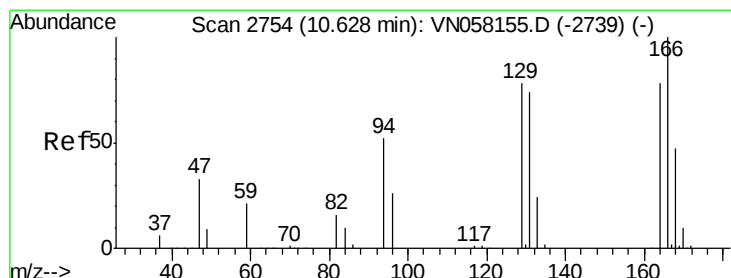
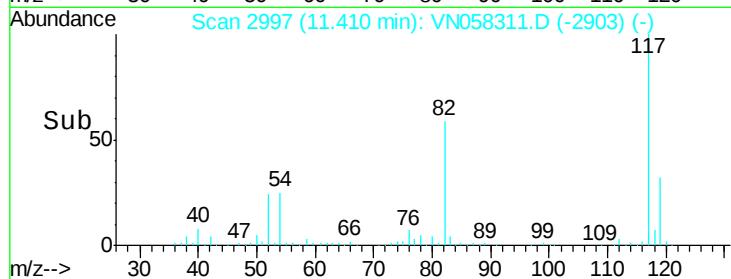
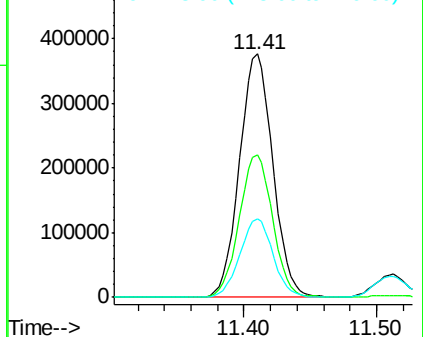


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.838 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	102.2	153.4
129	98.3	79.6	119.4
131	98.6	76.0	114.0

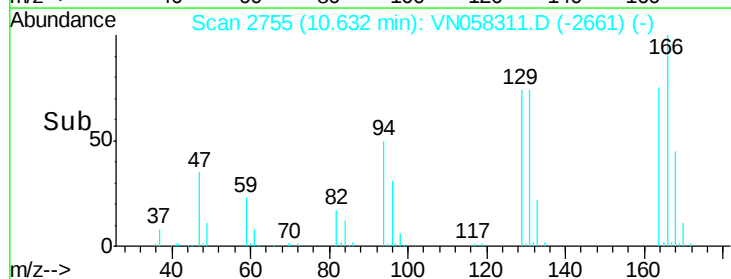
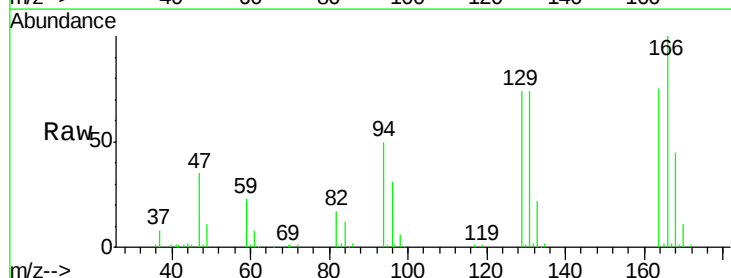
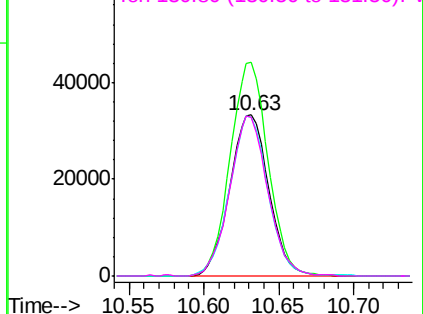
Abundance

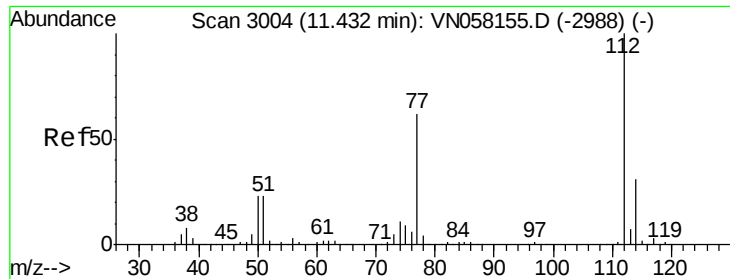
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





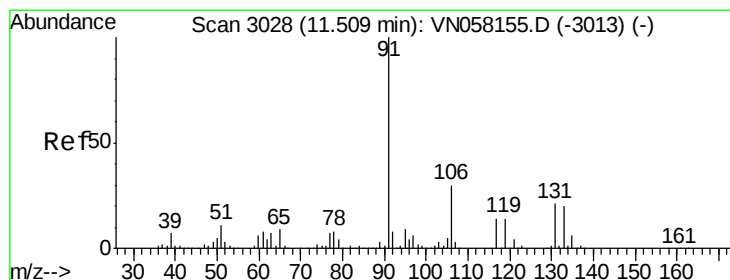
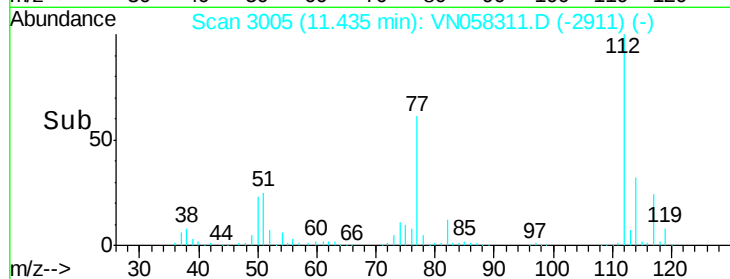
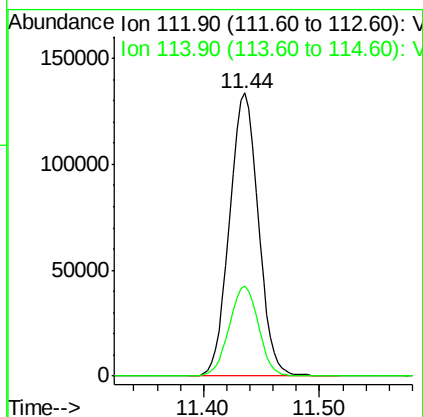
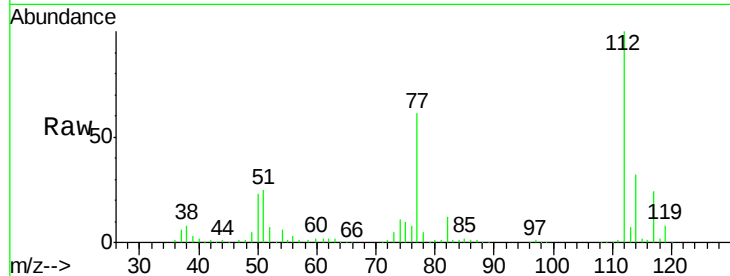
#65
Chlorobenzene
Concen: 19.824 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

Tot Ion:112 Resp: 229459
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7

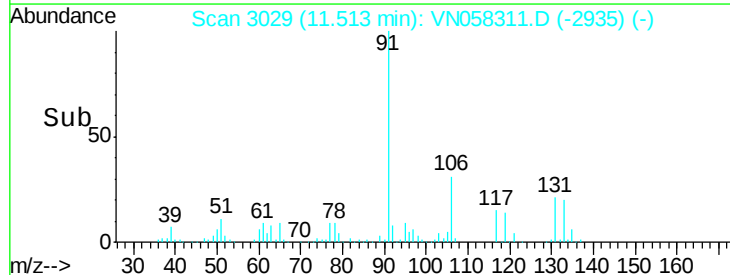
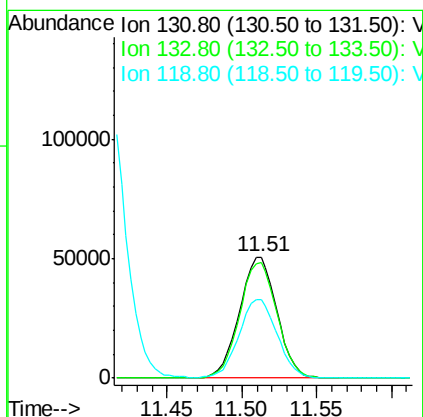
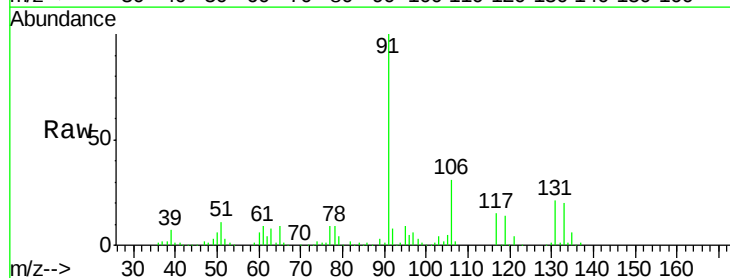
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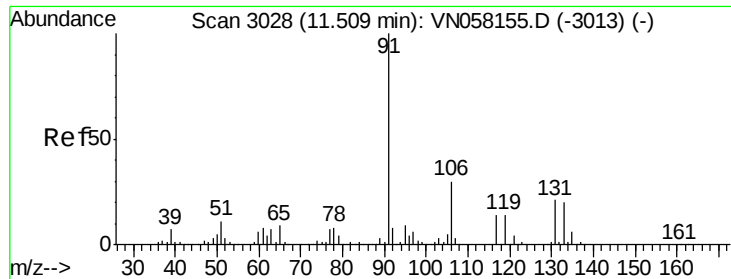
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.015 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion:131 Resp: 88199
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 66.4 33.1 99.3





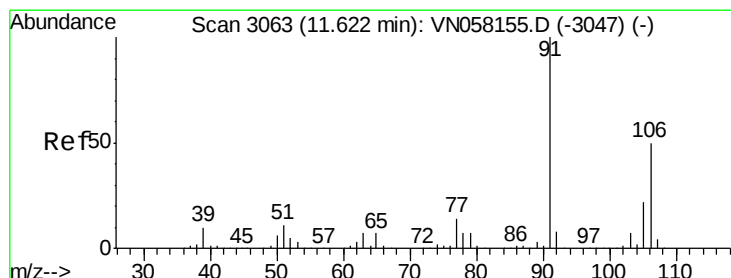
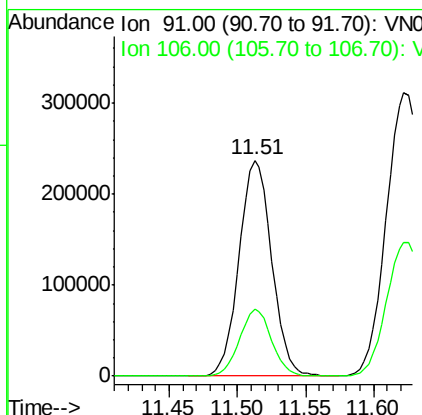
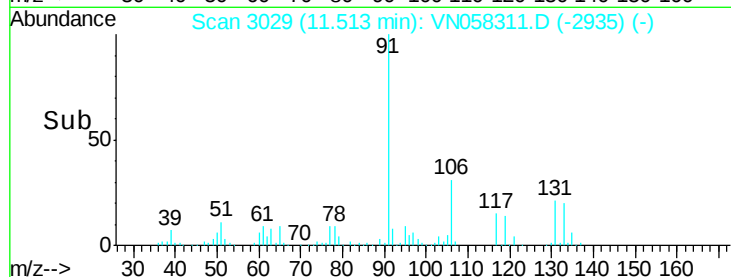
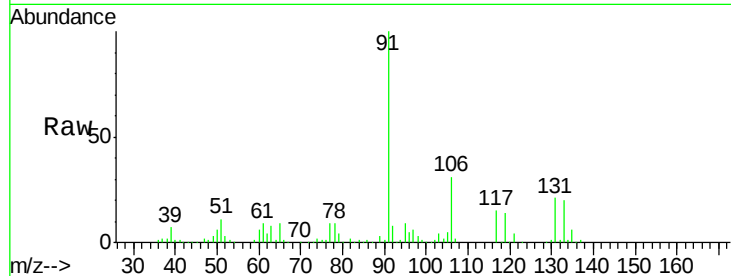
#67
Ethyl Benzene
Concen: 19.887 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

Tot Ion: 91 Resp: 394407
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0

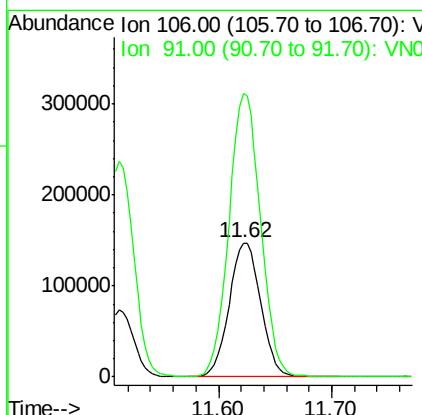
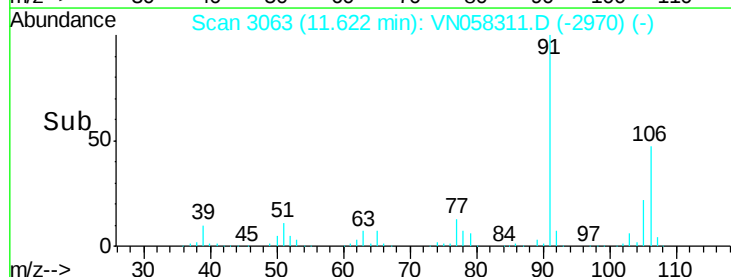
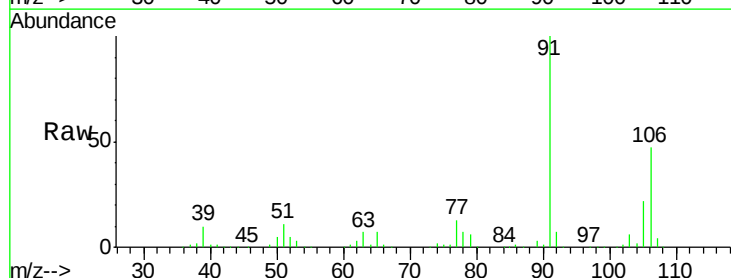
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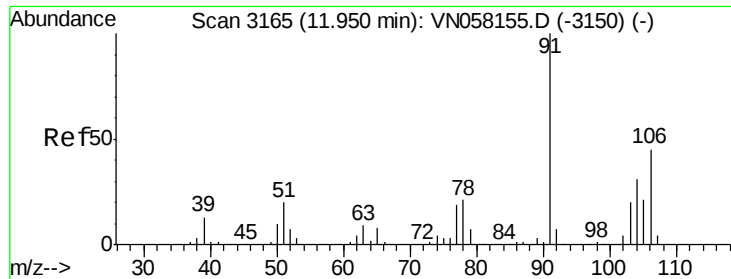
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#68
m/p-Xylenes
Concen: 38.137 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 106 Resp: 284874
Ion Ratio Lower Upper
106 100
91 211.9 163.6 245.4





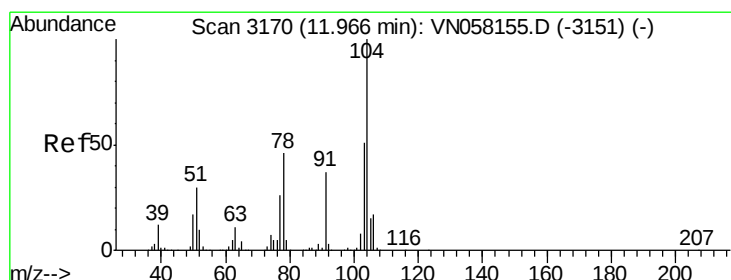
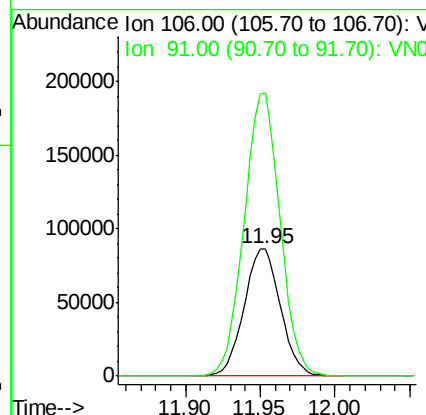
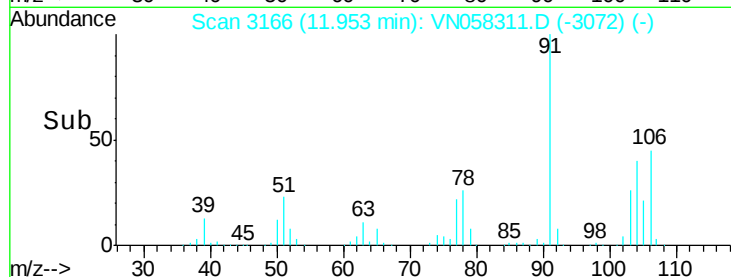
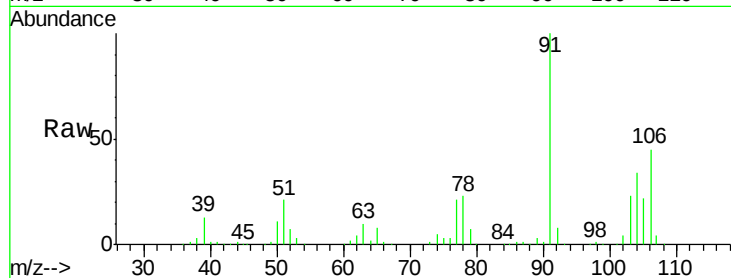
#69
o-Xylene
Concen: 19.921 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

Tot Ion:106 Resp: 146318
Ion Ratio Lower Upper
106 100
91 220.2 111.8 335.3

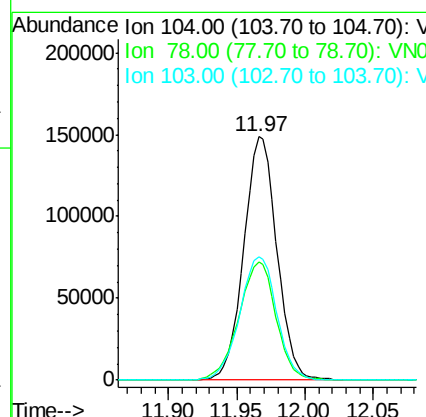
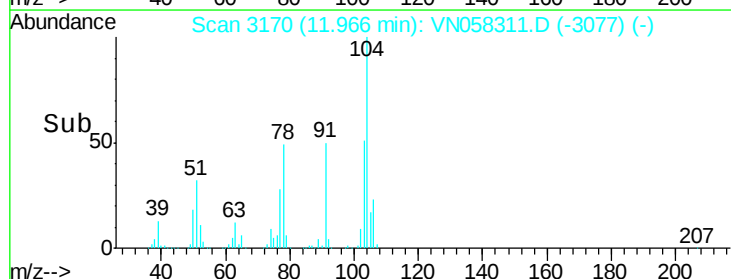
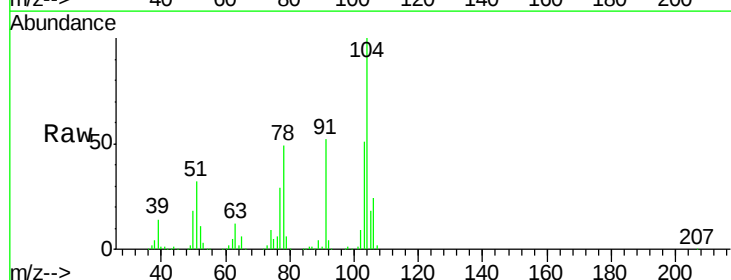
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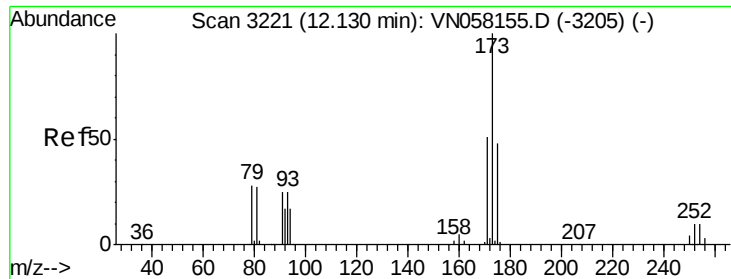
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#70
Styrene
Concen: 19.828 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion:104 Resp: 250918
Ion Ratio Lower Upper
104 100
78 54.6 41.8 62.8
103 56.7 44.2 66.2





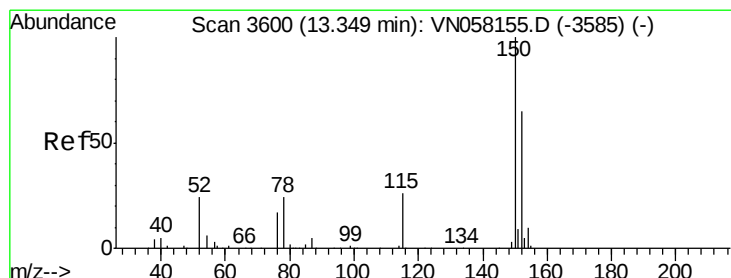
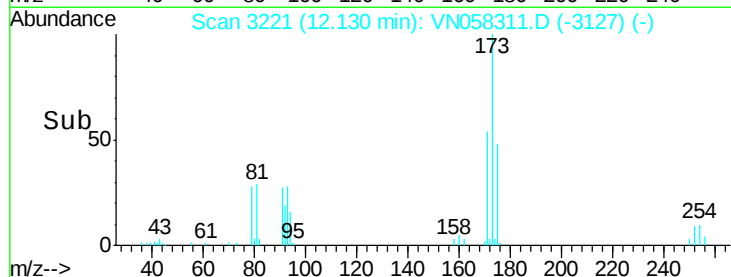
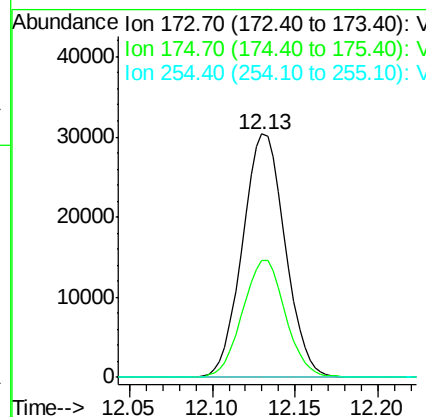
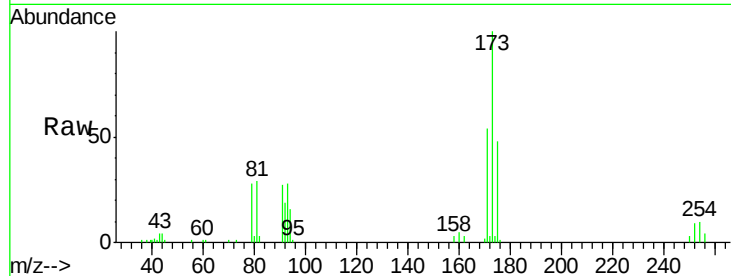
#71
Bromoform
Concen: 19.796 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.0	0.1	0.1#

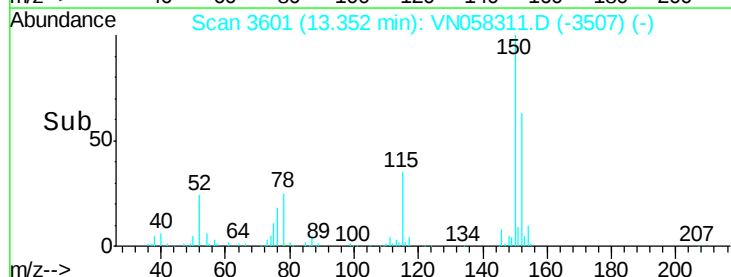
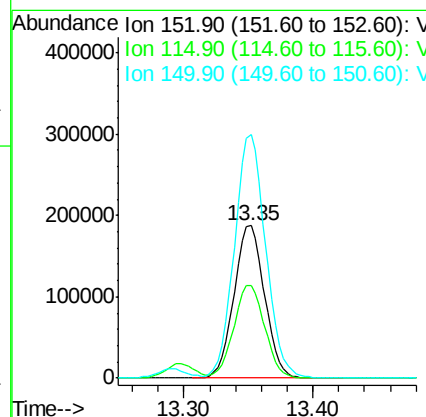
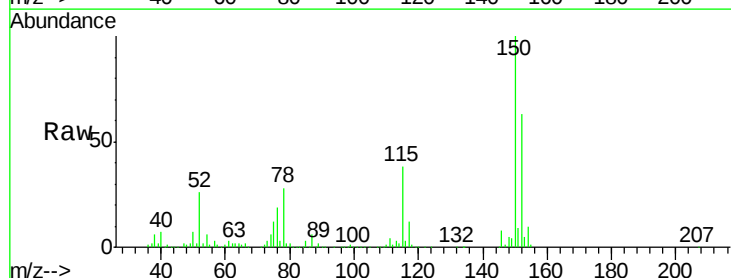
Manual Integrations
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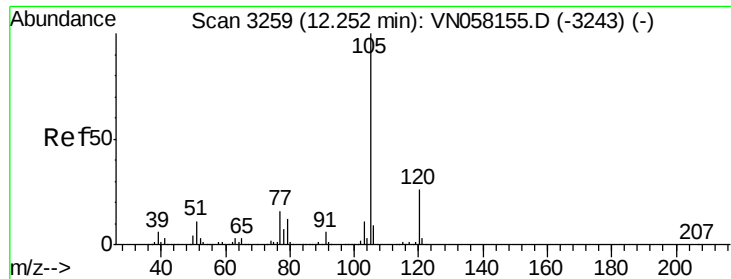
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.3
150	163.4	0.0	346.4





#73

Isopropylbenzene

Concen: 21.267 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS02

Tot Ion: 105 Resp: 410461

Ion Ratio Lower Upper

105 100

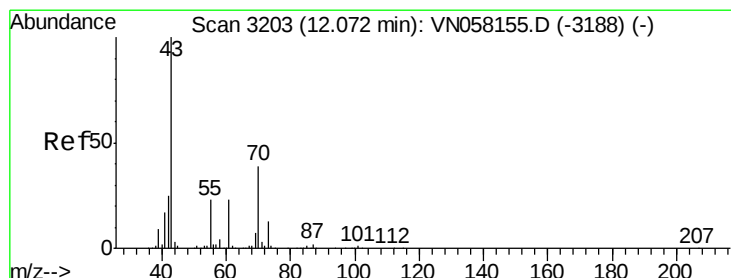
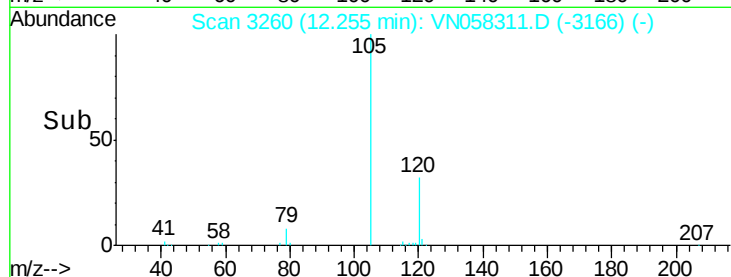
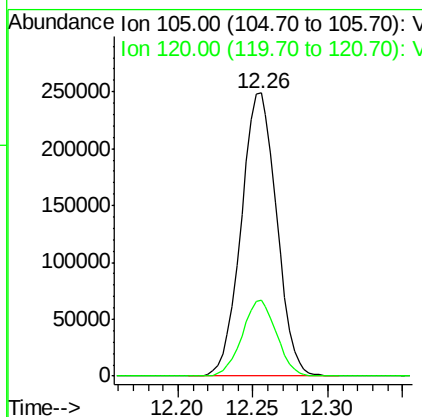
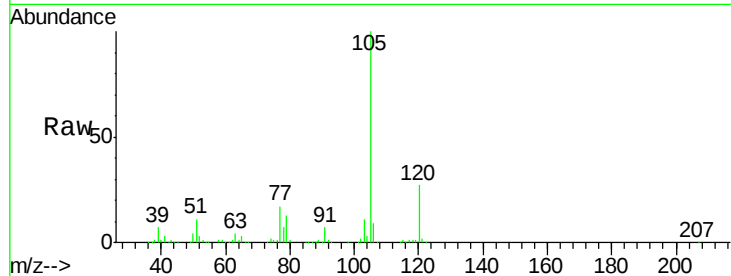
120 26.0 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.803 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion: 43 Resp: 184112

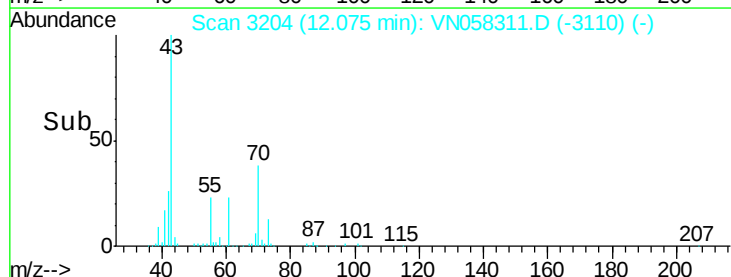
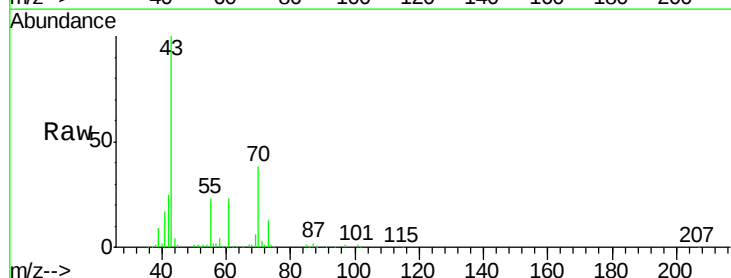
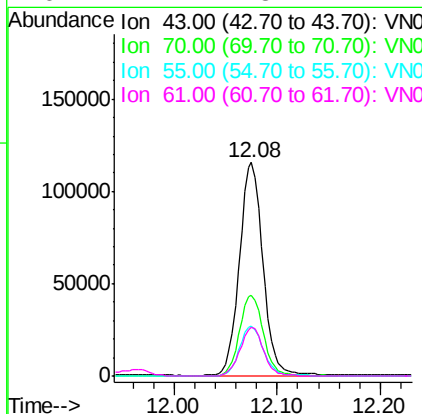
Ion Ratio Lower Upper

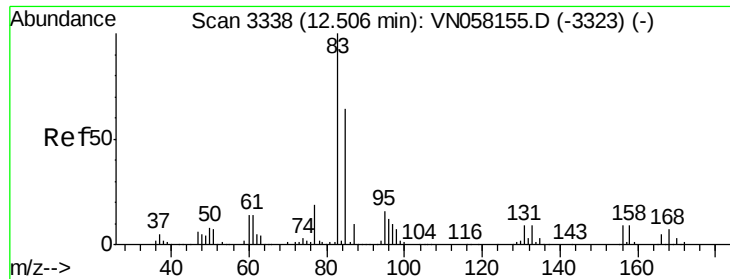
43 100

70 38.4 31.0 46.6

55 23.8 18.5 27.7

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.072 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

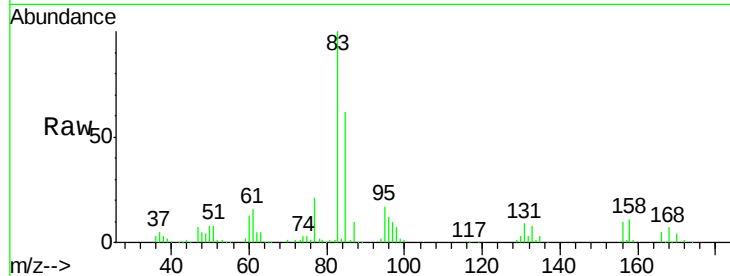
ClientSampleId :

VN0923WBS02

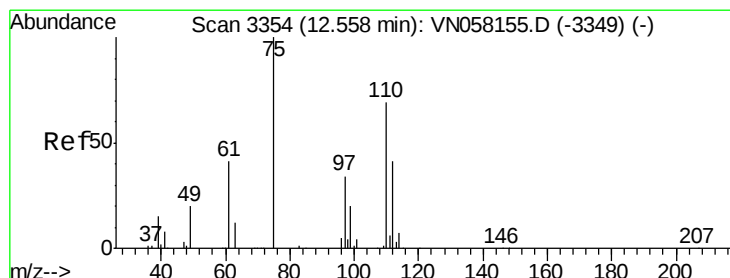
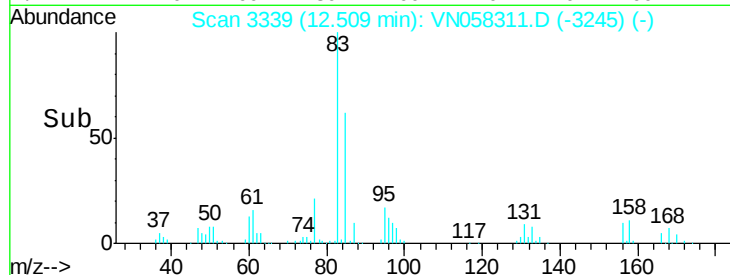
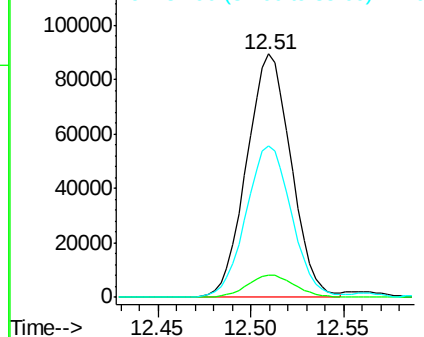
Tot Ion:	83	Resp:	149120
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	63.9	31.9	95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN058311.D (-3339) (-)



#76

1,2,3-Trichloropropane

Concen: 21.768 ug/l m

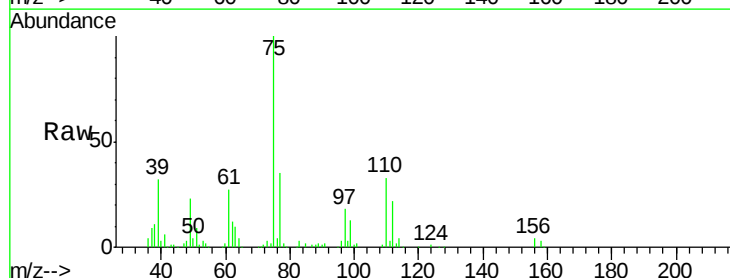
RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

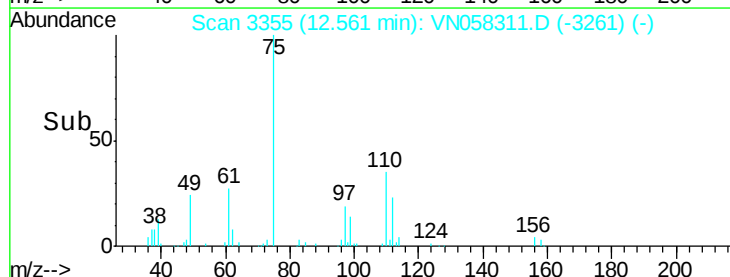
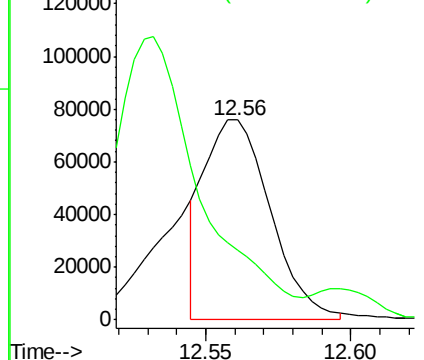
Lab File: VN058311.D

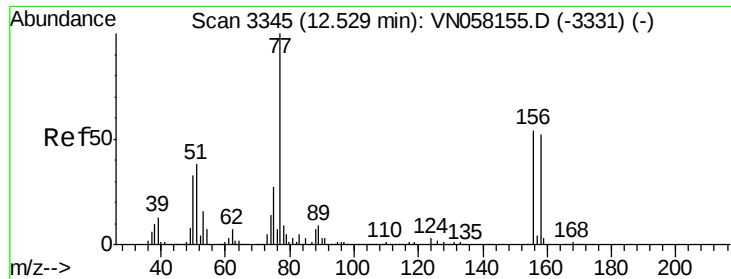
Acq: 23 Sep 2019 22:54

Tgt Ion:	75	Resp:	120123
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058311.D (-3355) (-)





#77

Bromobenzene

Concen: 20.435 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

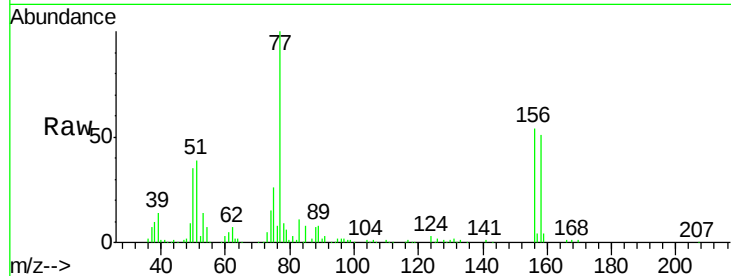
ClientSampleId :

VN0923WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	228.7	111.7	335.1
158	96.7	47.9	143.8

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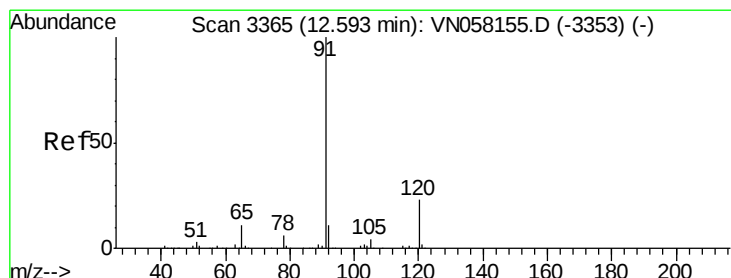
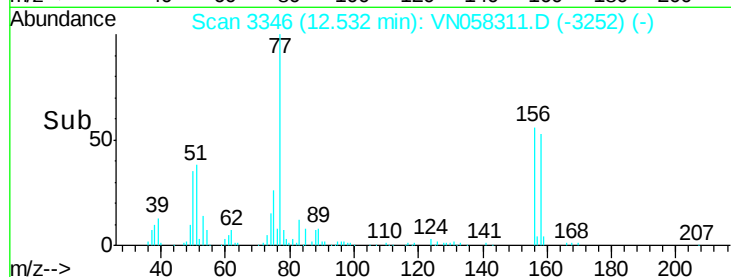
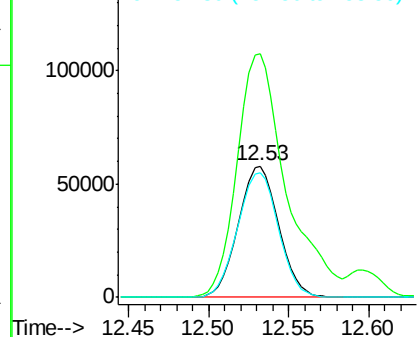
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.761 ug/l

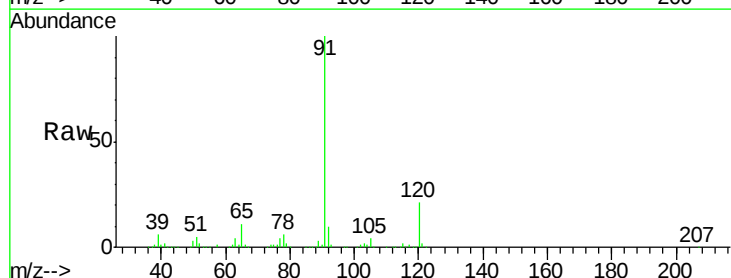
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058311.D

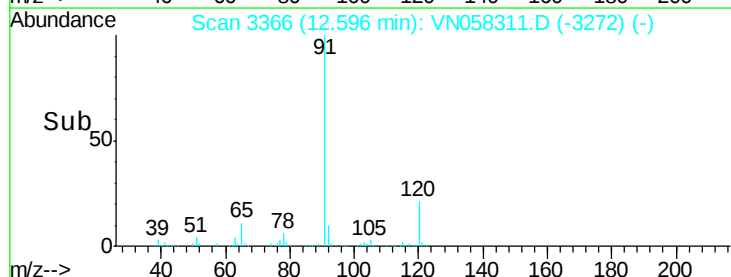
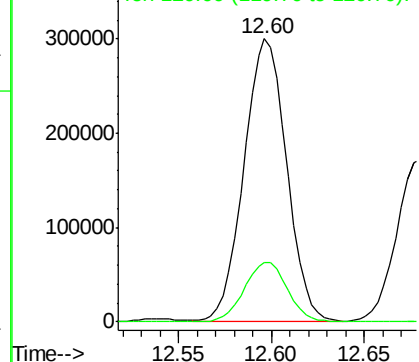
Acq: 23 Sep 2019 22:54

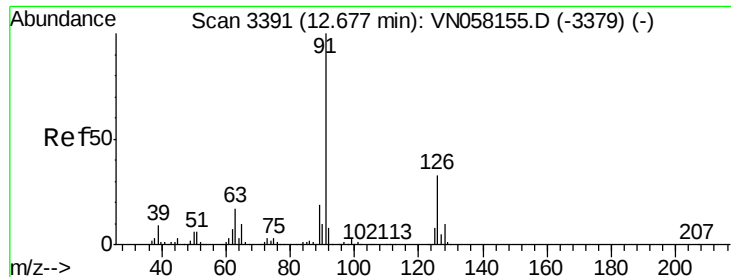
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.030 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion: 91 Resp: 288255

Ion Ratio Lower Upper

91 100

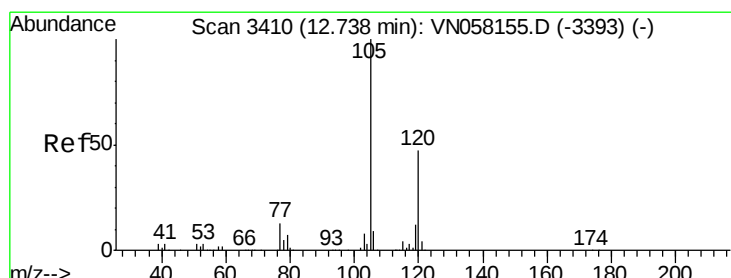
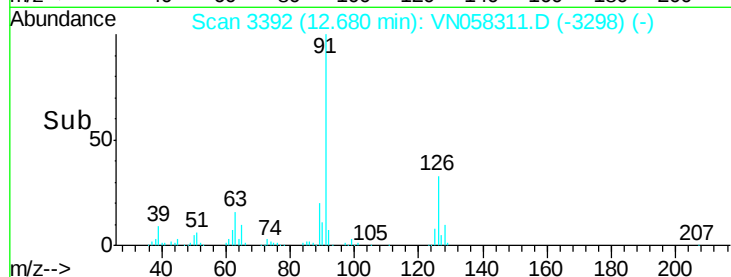
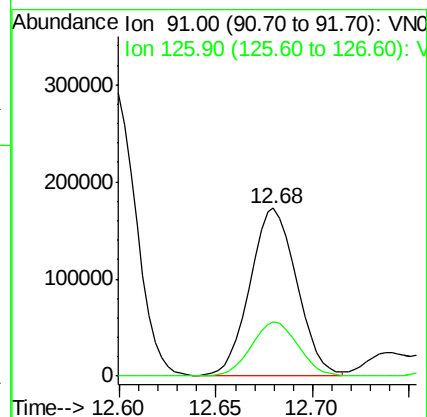
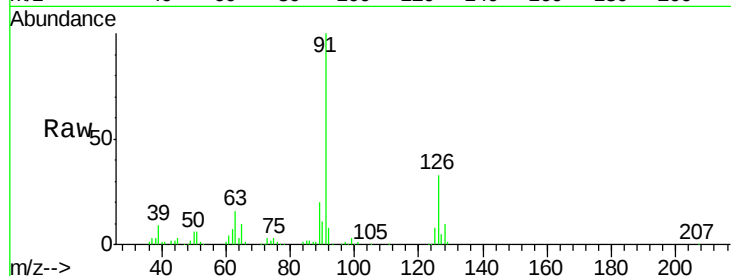
126 32.7 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.330 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058311.D

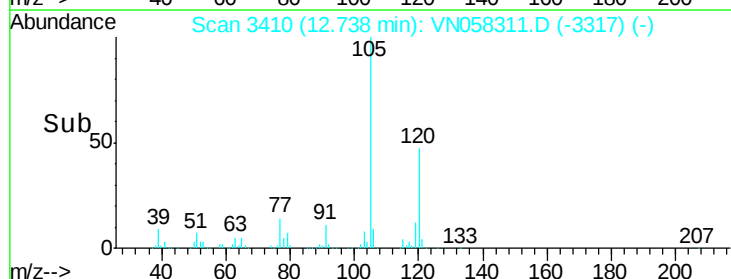
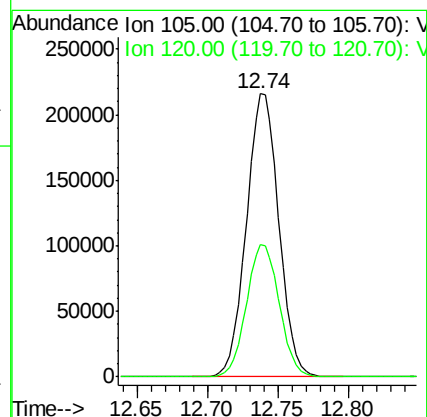
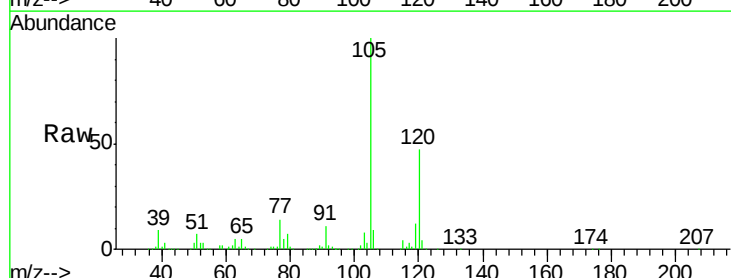
Acq: 23 Sep 2019 22:54

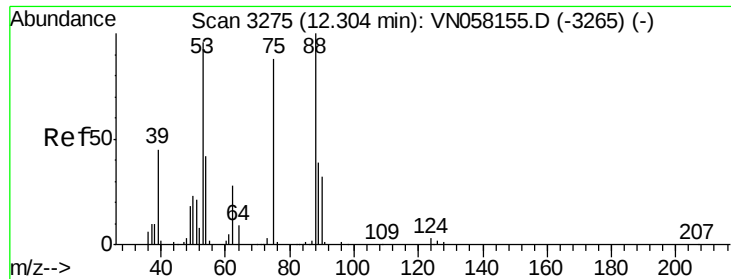
Tgt Ion: 105 Resp: 348124

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.386 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

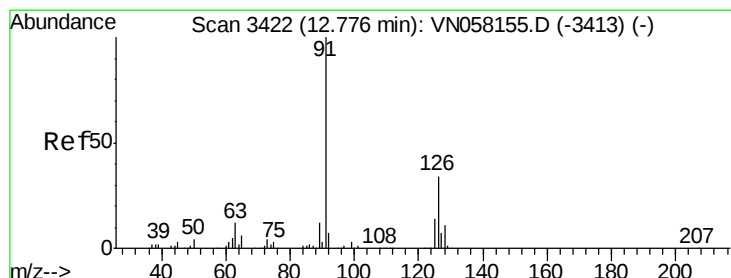
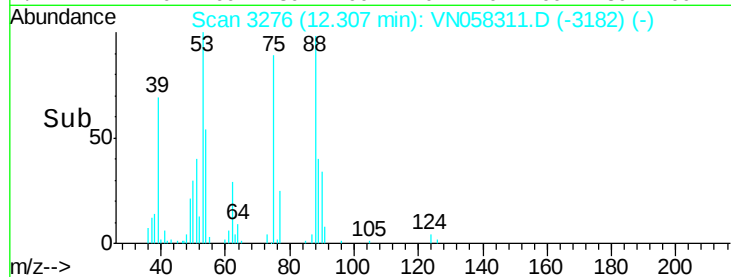
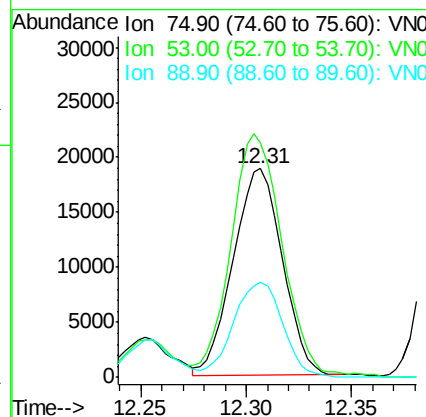
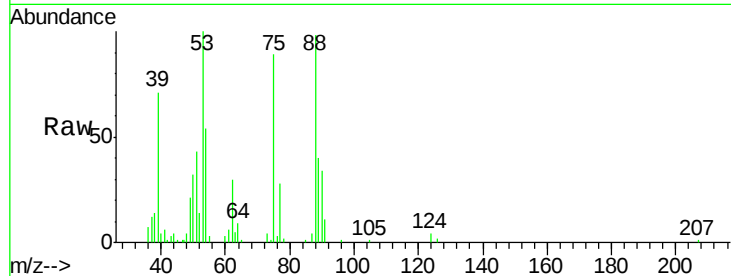
ClientSampleId :

VN0923WBS02

Tot Ion:	75	Resp:	30621
Ion	Ratio	Lower	Upper
75	100		
53	123.4	90.1	135.1
89	46.0	36.2	54.2

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#82

4-Chlorotoluene

Concen: 20.693 ug/l

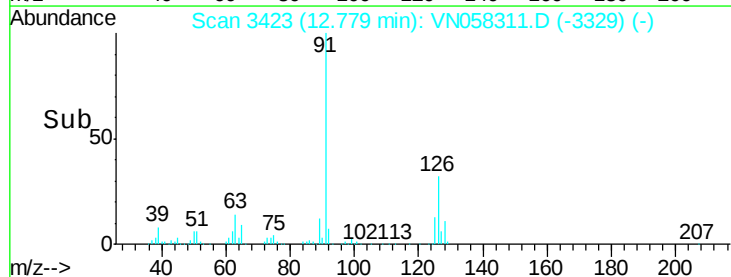
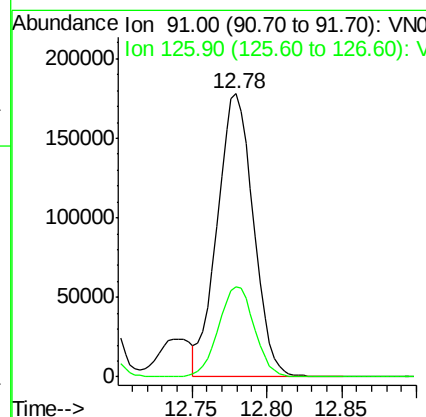
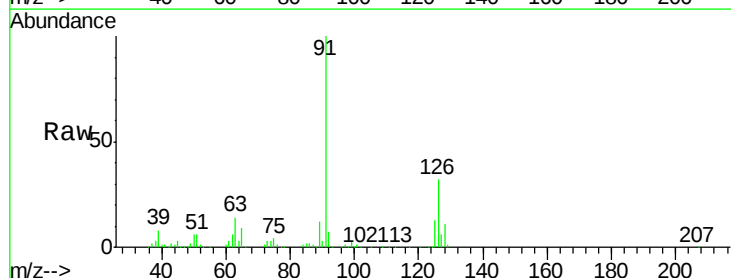
RT: 12.78 min Scan# 3423

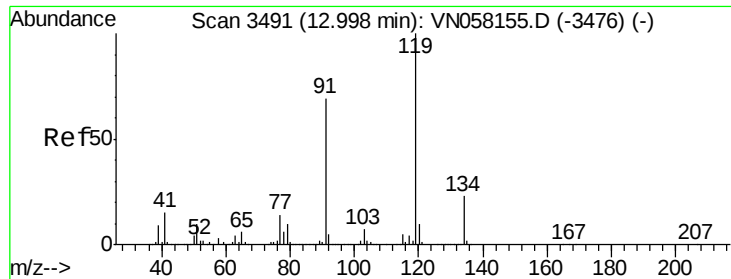
Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion:	91	Resp:	298144
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





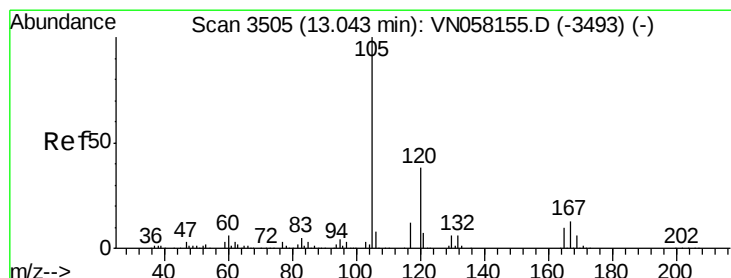
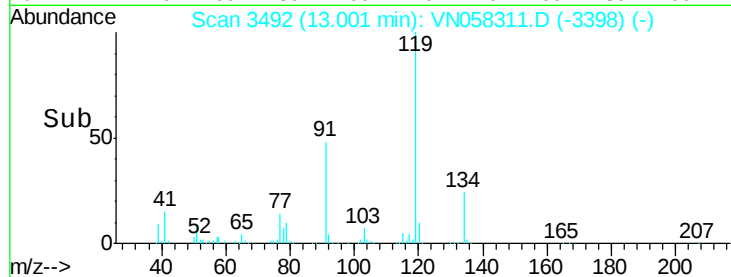
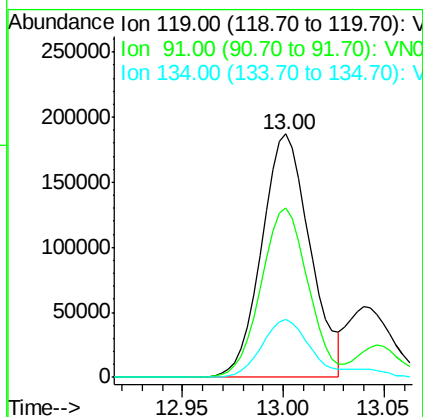
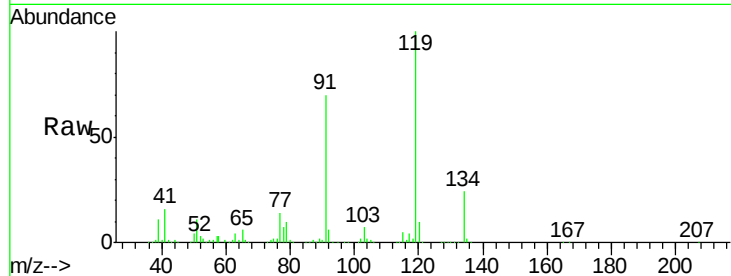
#83
tert-Butylbenzene
Concen: 21.421 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	311775		
91	68.2		33.8	101.3
134	23.2		11.6	34.8

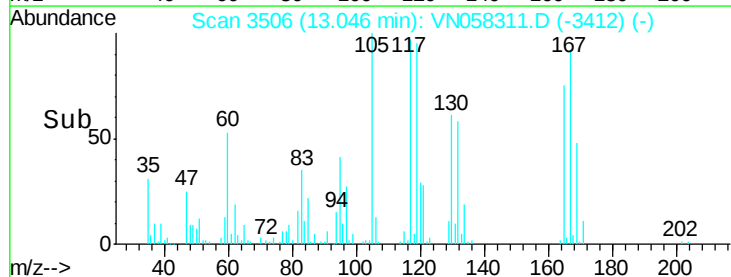
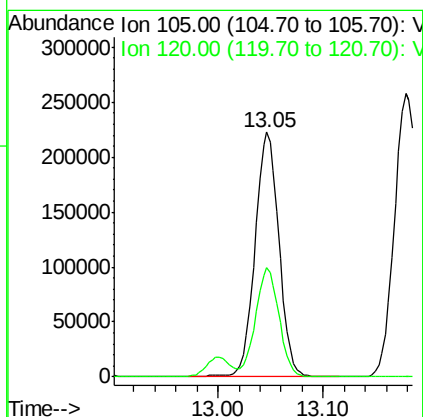
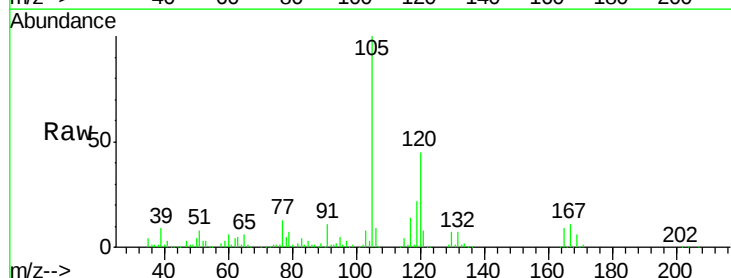
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 21.742 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	353131		
120	44.1		22.1	66.5





#85

sec-Butylbenzene

Concen: 21.665 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

Tot Ion:105 Resp: 412349

Ion Ratio Lower Upper

105 100

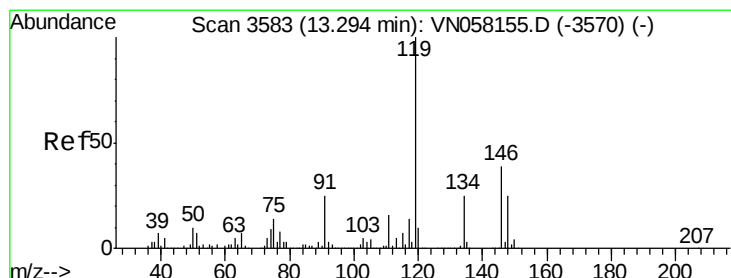
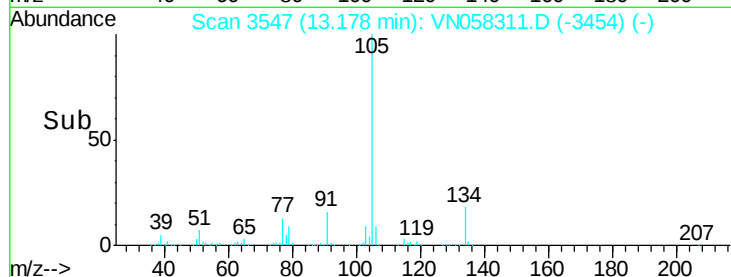
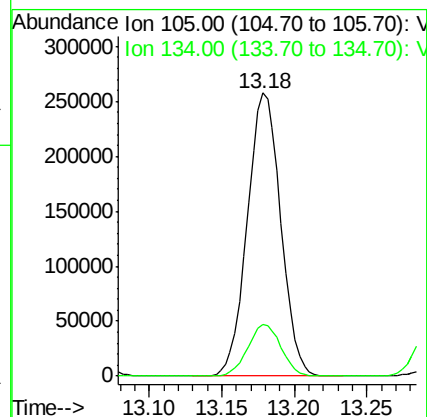
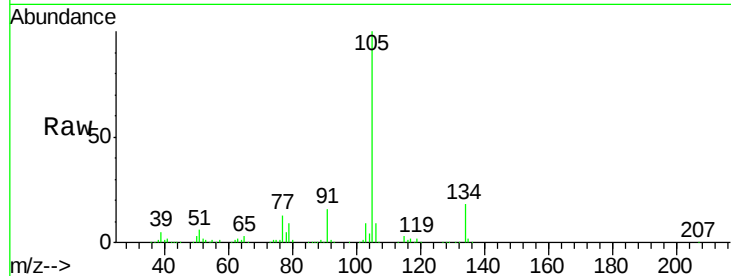
134 18.3 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.152 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

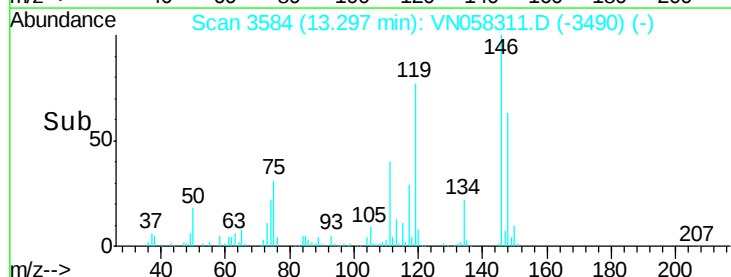
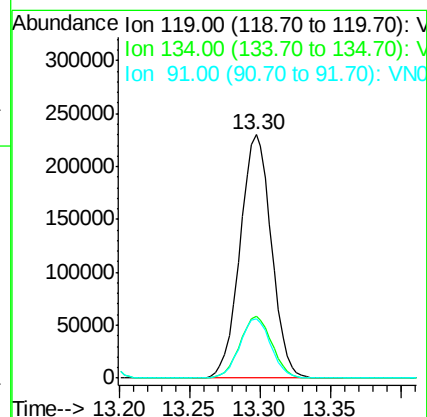
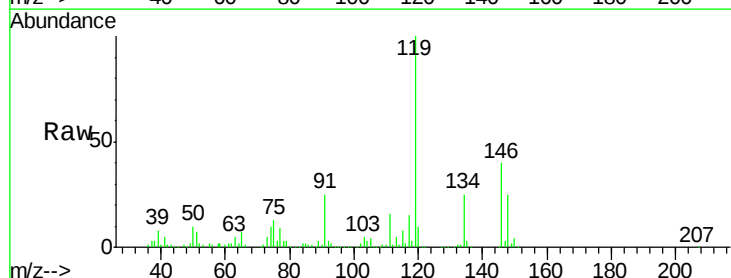
Tgt Ion:119 Resp: 357904

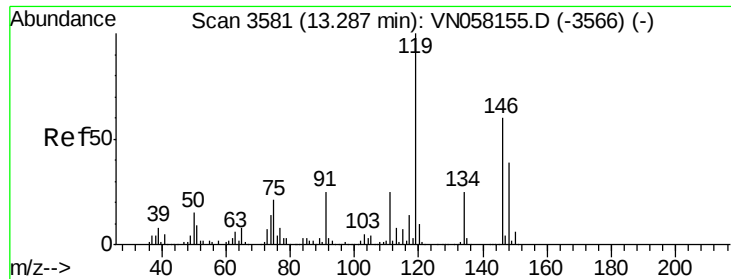
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

91 24.4 12.3 36.8





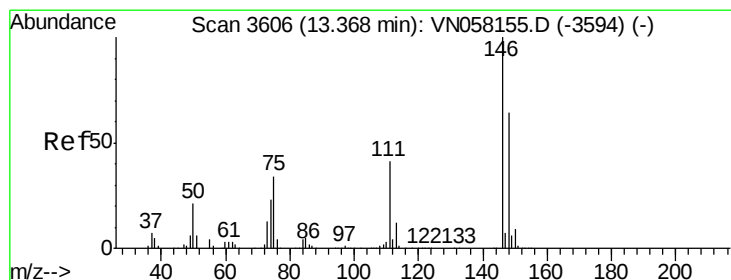
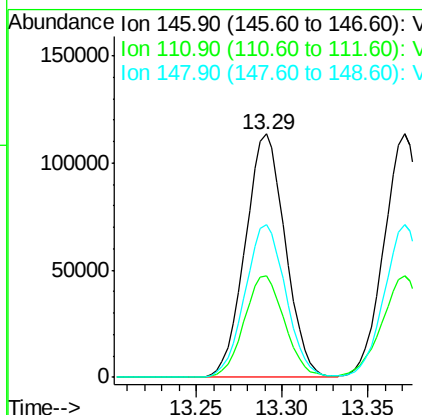
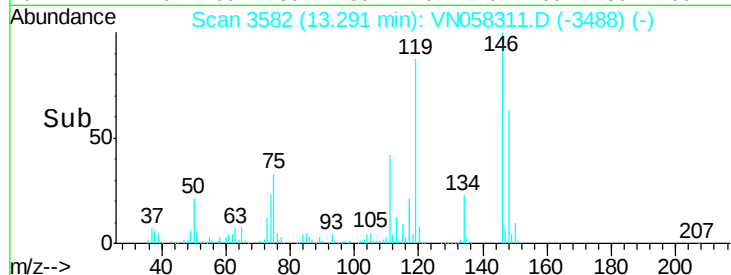
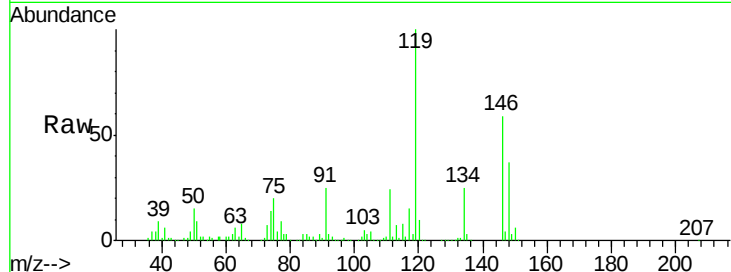
#87
 1,3-Dichlorobenzene
 Concen: 20.719 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183720		
111	41.9	20.9	62.8	
148	63.9	32.0	96.2	

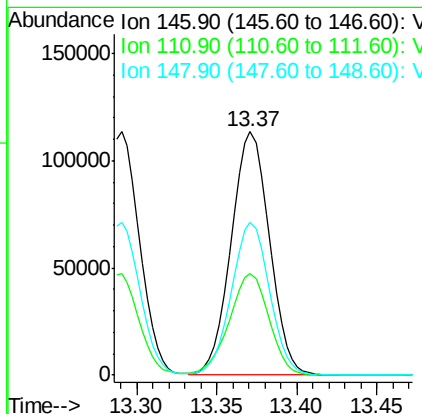
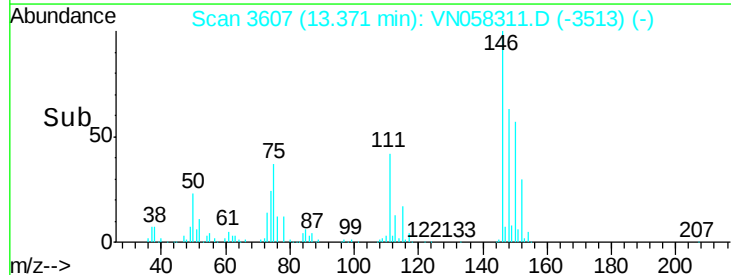
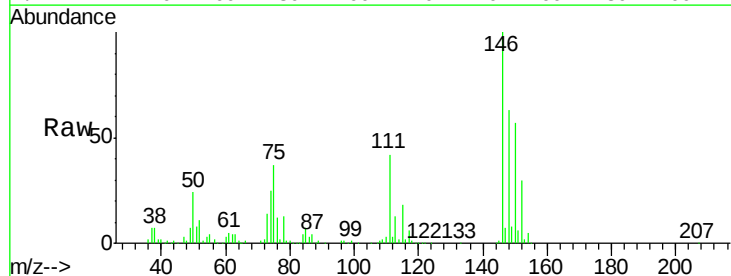
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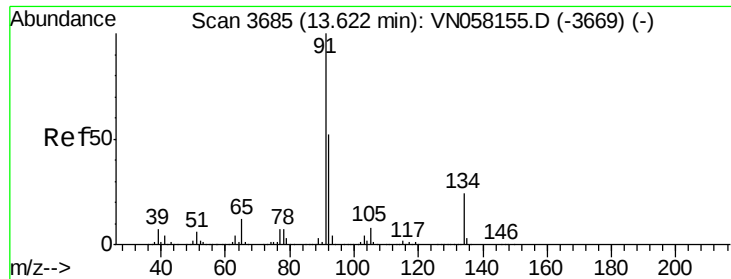
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#88
 1,4-Dichlorobenzene
 Concen: 20.315 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183905		
111	43.7	20.5	61.5	
148	62.5	31.9	95.5	





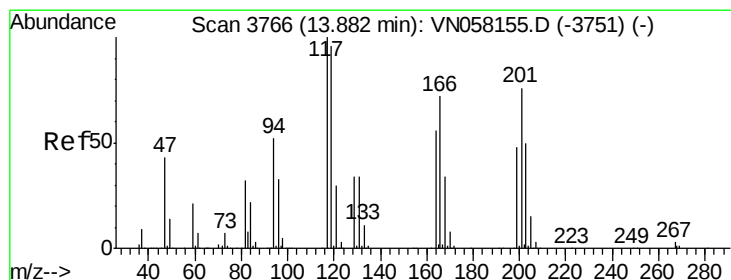
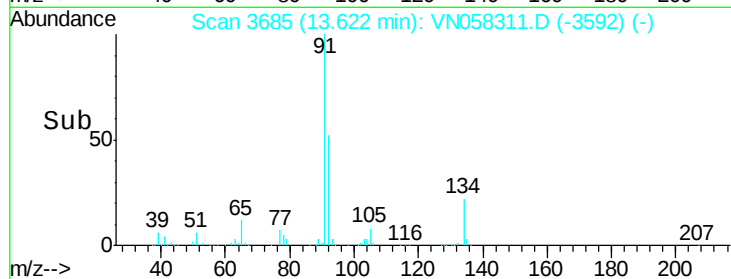
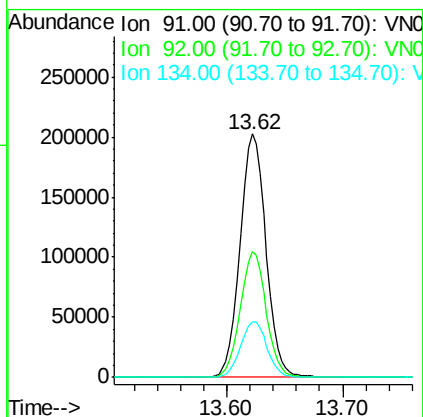
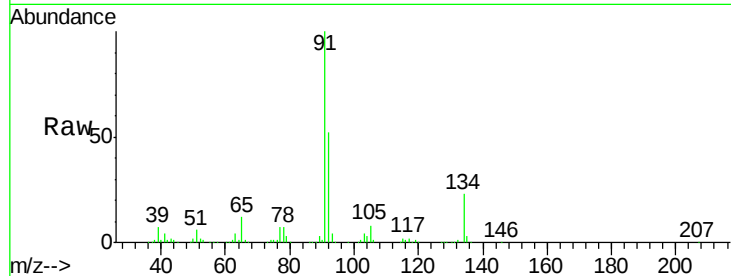
#89
n-Butylbenzene
Concen: 19.563 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	23.4	11.8	35.4

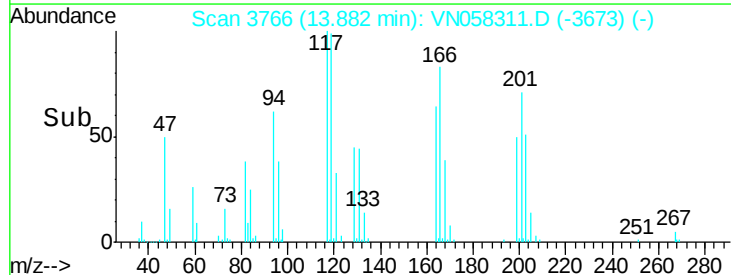
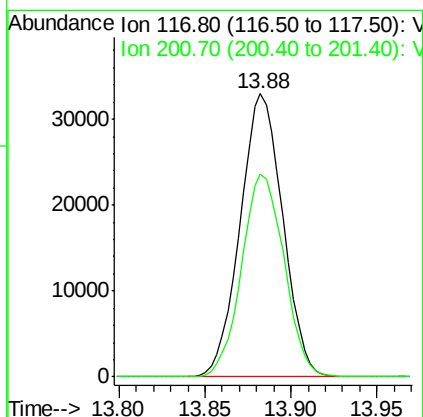
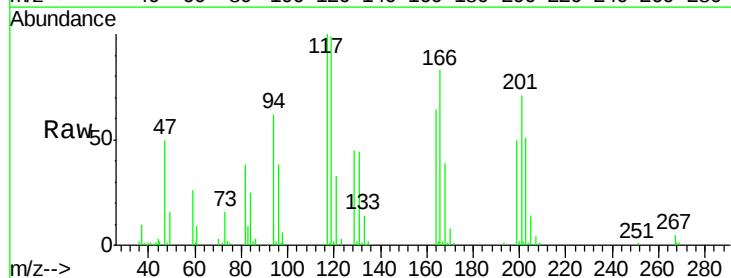
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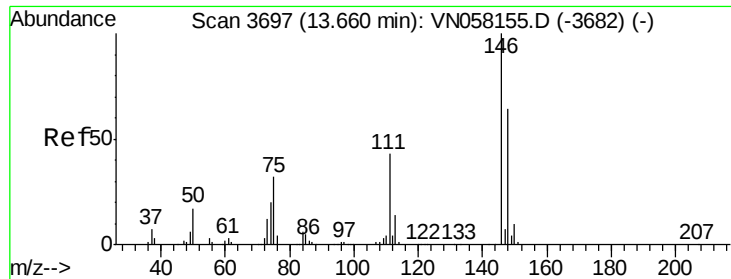
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#90
Hexachloroethane
Concen: 20.868 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	37.5	112.5





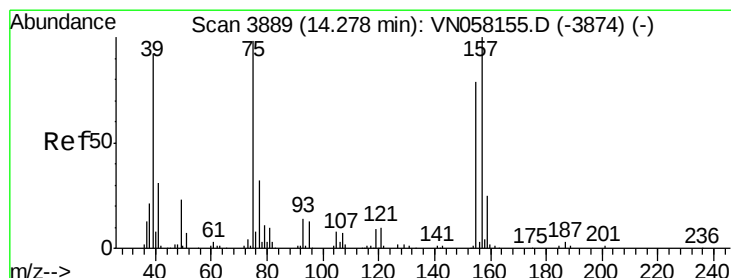
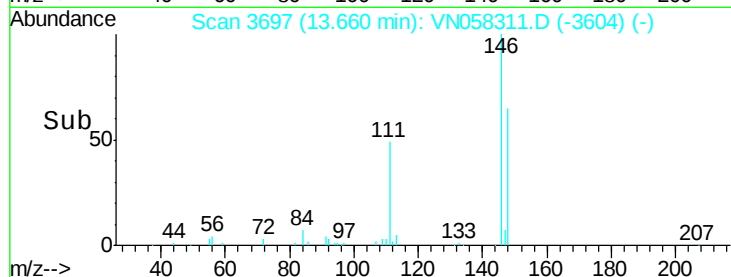
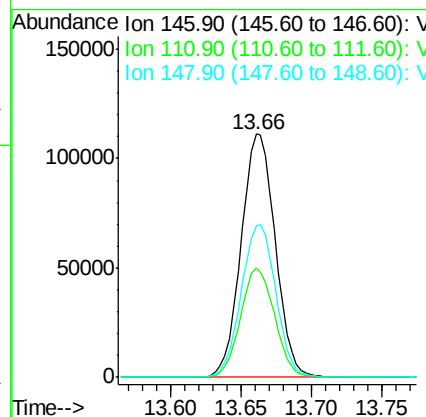
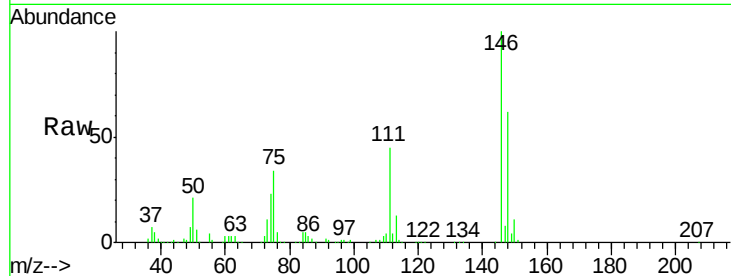
#91
 1,2-Dichlorobenzene
 Concen: 21.221 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.1	63.1
148	63.8	31.8	95.4

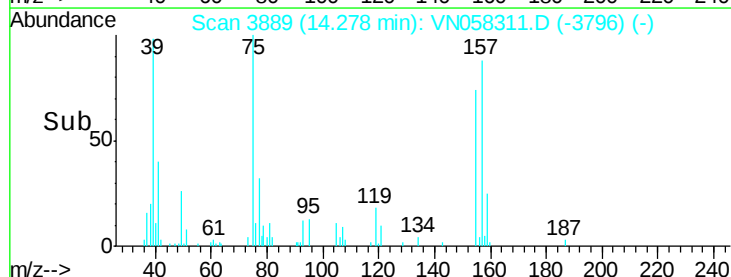
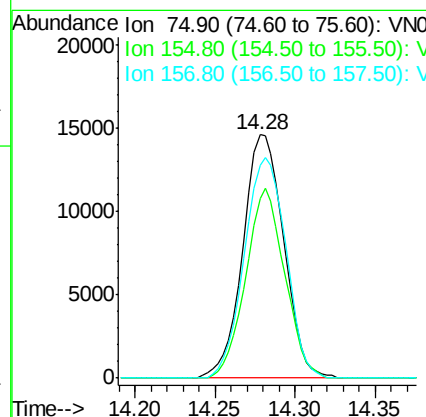
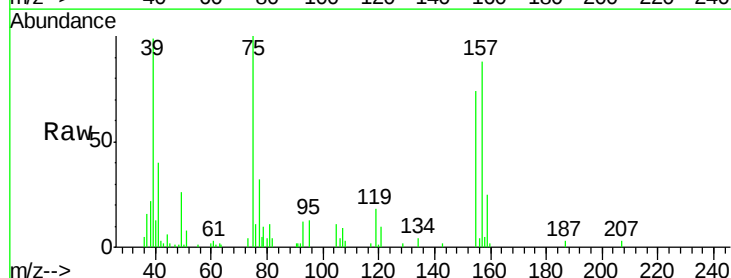
Manual Integrations
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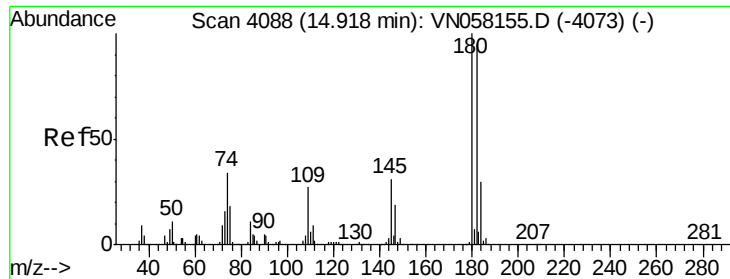
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 9/26/2019 12:43:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.876 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	38.3	114.8
157	92.0	48.0	144.0





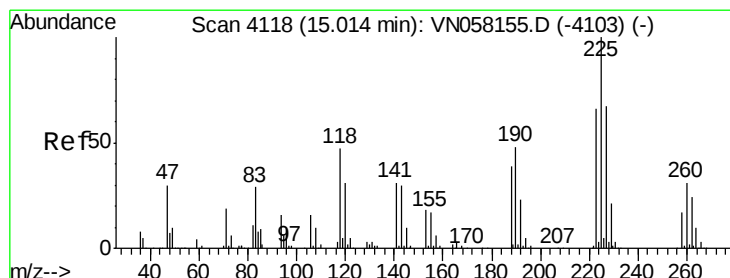
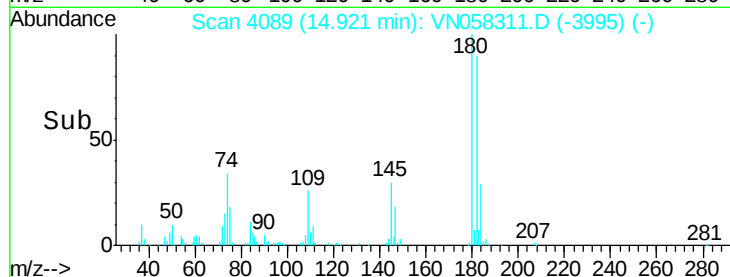
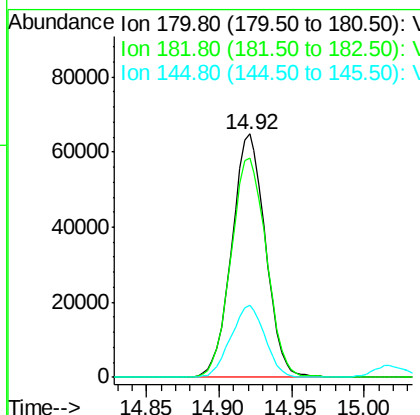
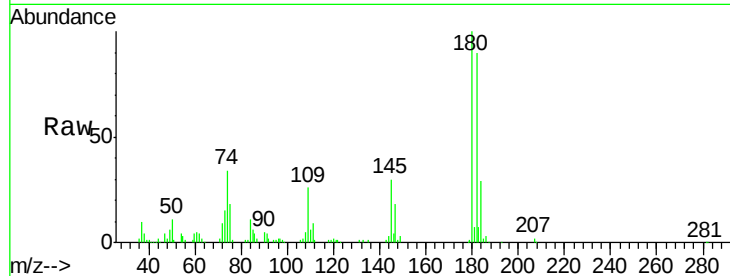
#93
 1,2,4-Trichlorobenzene
 Concen: 18.368 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104391		
182	94.7	47.8	143.3	
145	30.0	15.4	46.4	

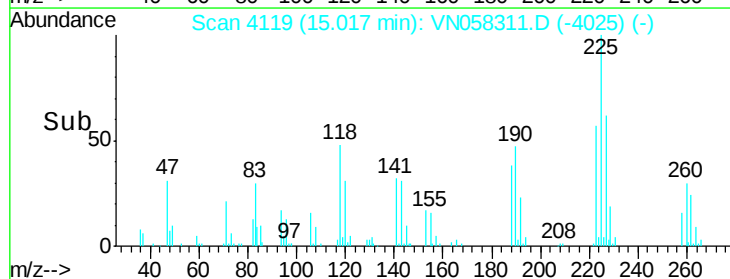
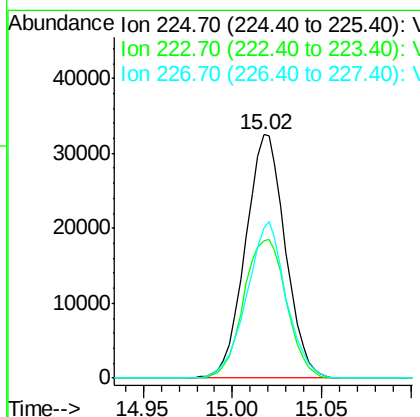
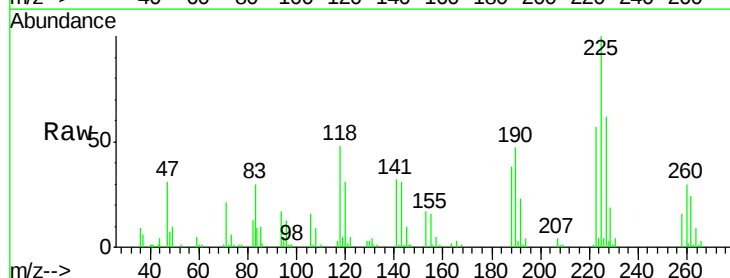
Manual Integrations
 APPROVED

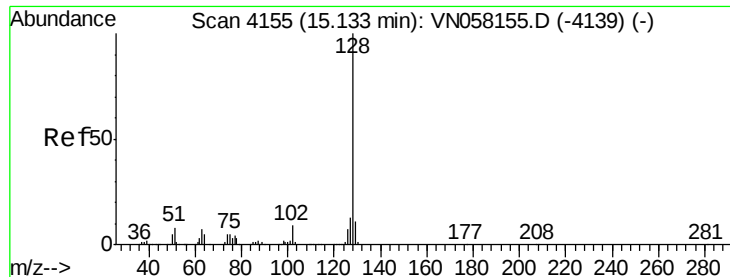
MMDadoda
 9/26/2019 12:43:11 AM



#94
 Hexachlorobutadiene
 Concen: 18.513 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50854		
223	60.9	32.6	97.7	
227	63.5	33.0	99.0	





#95

Naphthalene

Concen: 20.150 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

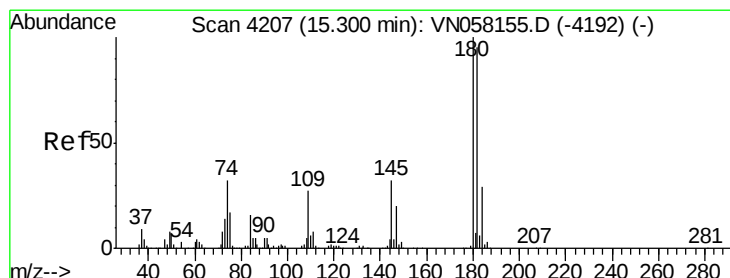
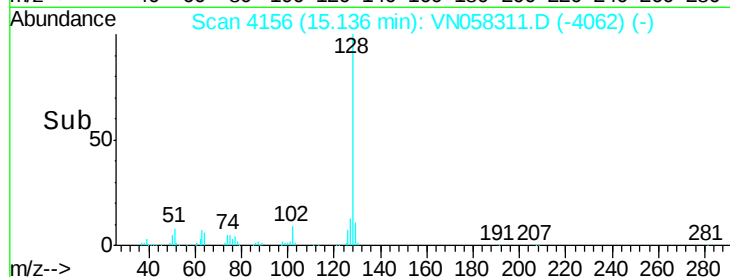
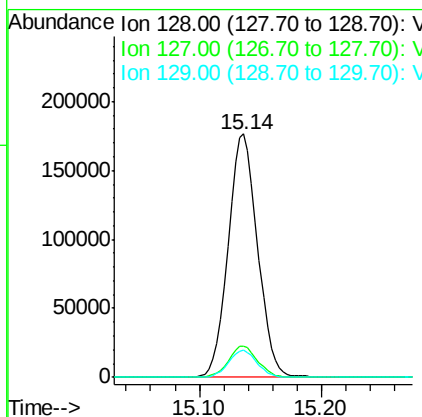
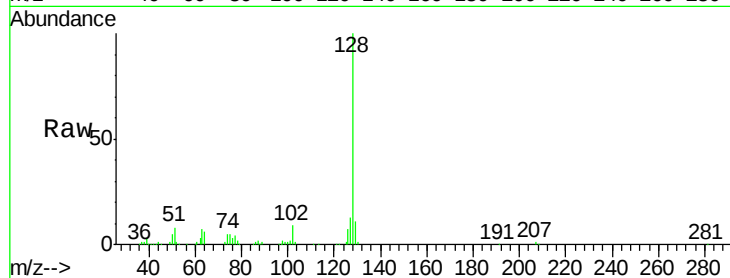
ClientSampleId :

VN0923WBS02

Tot Ion:	128	Resp:	296772
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/26/2019 12:43:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.812 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion:	180	Resp:	101052
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.4	142.2
145	31.7	16.1	48.2

