

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058011.D
 Acq On : 13 Sep 2019 12:24
 Operator : JC/SP
 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0914WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:49:30 PM

Quant Time: Sep 14 02:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	73867	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	430714	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	383202	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	200444	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.41	95	193855	29.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.53%
63) Toluene-d8	10.09	98	557302	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	93872	21.034	ug/l 98
3) Chloromethane	2.04	50	104257	18.735	ug/l 96
4) Vinyl Chloride	2.17	62	102174	17.945	ug/l 97
5) Bromomethane	2.55	94	59415	16.721	ug/l 90
6) Chloroethane	2.69	64	64077	18.109	ug/l 99
7) Trichlorofluoromethane	3.00	101	125127	19.022	ug/l 96
8) Diethyl Ether	3.39	74	54543	20.554	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84457	20.562	ug/l 98
10) 1,1-Dichloroethene	3.72	96	78192	20.019	ug/l 94
11) Methyl Iodide	3.93	142	90639	17.345	ug/l 96
12) Methyl Acetate	4.30	43	110789	20.669	ug/l 99
13) Acrolein	3.58	56	2091m	7.190	ug/l
14) Acrylonitrile	4.96	53	218170	99.844	ug/l # 89
15) Acetone	3.80	58	56700	91.400	ug/l 99
16) Carbon Disulfide	4.03	76	153385	16.864	ug/l 99
17) Allyl chloride	4.30	41	142816	19.954	ug/l 93
18) Methylene Chloride	4.53	84	99926	20.302	ug/l 99
19) trans-1,2-Dichloroethene	5.02	96	86103	19.779	ug/l 97
20) Diisopropyl ether	5.93	45	333180	19.913	ug/l 98
21) 1,1-Dichloroethane	5.83	63	189071	20.493	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	109828	20.591	ug/l 98
23) tert-Butyl Alcohol	4.75	59	73157m	102.554	ug/l
24) Methyl tert-Butyl Ether	5.02	73	299927	20.034	ug/l # 100
25) Chloroform	7.36	83	190825	20.316	ug/l 99
26) Cyclohexane	7.64	56	152339	19.652	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	140110	20.678	ug/l 99
30) 2-Butanone	6.82	43	316248	103.514	ug/l 99
31) 2,2-Dichloropropane	6.81	77	135690	18.968	ug/l 99
32) 1,1,1-Trichloroethane	7.56	97	152136	19.970	ug/l 98
33) Carbon Tetrachloride	7.76	117	121000	19.470	ug/l 95
34) Benzene	8.03	78	415037	20.672	ug/l 96
35) Methacrylonitrile	7.16	41	68659	24.229	ug/l 92
36) 1,2-Dichloroethane	8.11	62	164929	21.169	ug/l 99
37) Trichloroethene	8.83	130	98021	20.102	ug/l 97
38) Methylcyclohexane	9.07	83	151676	19.659	ug/l 99
39) 1,2-Dichloropropane	9.11	63	114571	20.320	ug/l 96
40) Dibromomethane	9.20	93	71214	20.766	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	136218	19.703	ug/l	91
42) Vinyl Acetate	5.87	43	1302924	106.110	ug/l	100
43) Ethyl Acetate	6.91	43	125304	20.102	ug/l #	79
44) Isopropyl Acetate	8.15	43	228869	21.059	ug/l #	93
45) 1,4-Dioxane	9.19	88	34644	405.669	ug/l	99
46) Methyl methacrylate	9.19	41	109127	20.556	ug/l	96
47) n-amyl Acetate	12.07	43	182217	18.252	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	135028	18.345	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	154810	18.746	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	100389	20.182	ug/l	96
51) Ethyl methacrylate	10.43	69	147528	19.128	ug/l	93
52) 1,3-Dichloropropane	10.71	76	180400	20.738	ug/l	99
53) Dibromochloromethane	10.90	129	89659	18.251	ug/l	99
54) 1,2-Dibromoethane	11.00	107	97026	19.605	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	329882	90.011	ug/l	98
56) Bromoform	12.13	173	52622	17.291	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	669839	112.718	ug/l	100
59) 2-Hexanone	10.75	43	464499	104.160	ug/l	99
61) Tetrachloroethene	10.63	164	80859	20.754	ug/l	98
62) Toluene	10.15	91	442298	20.845	ug/l	99
64) Chlorobenzene	11.44	112	267527	20.325	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	92770	20.299	ug/l	97
66) Ethyl Benzene	11.51	91	489685	21.146	ug/l	99
67) m/p-Xylenes	11.62	106	352919	39.929	ug/l	98
68) o-Xylene	11.95	106	172871	19.964	ug/l	99
69) Styrene	11.97	104	291687	19.757	ug/l	99
70) Isopropylbenzene	12.25	105	476327	20.808	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	145763	20.374	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	131795m	20.755	ug/l	
73) Bromobenzene	12.53	156	110111	20.091	ug/l	98
74) n-propylbenzene	12.60	91	557235	21.306	ug/l	100
75) 2-Chlorotoluene	12.68	91	328868	20.188	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	405798	20.817	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	31167	16.544	ug/l	99
78) 4-Chlorotoluene	12.78	91	330068	19.863	ug/l	100
79) tert-butylbenzene	13.00	119	344509	20.258	ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	393488	20.259	ug/l	98
81) sec-Butylbenzene	13.18	105	462005	20.476	ug/l	100
82) p-Isopropyltoluene	13.29	119	408949	20.238	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	194871	19.130	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	196679	19.610	ug/l	98
85) n-Butylbenzene	13.62	91	364688	19.365	ug/l	99
86) Hexachloroethane	13.88	117	53509	16.625	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	199458	20.171	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.28	75	22283	17.690	ug/l	94
89) 1,2,4-Trichlorobenzene	14.92	180	114618	18.975	ug/l	99
90) Hexachlorobutadiene	15.01	225	54465	19.633	ug/l	98
91) Naphthalene	15.13	128	316909	19.067	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	109865	19.071	ug/l	99

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

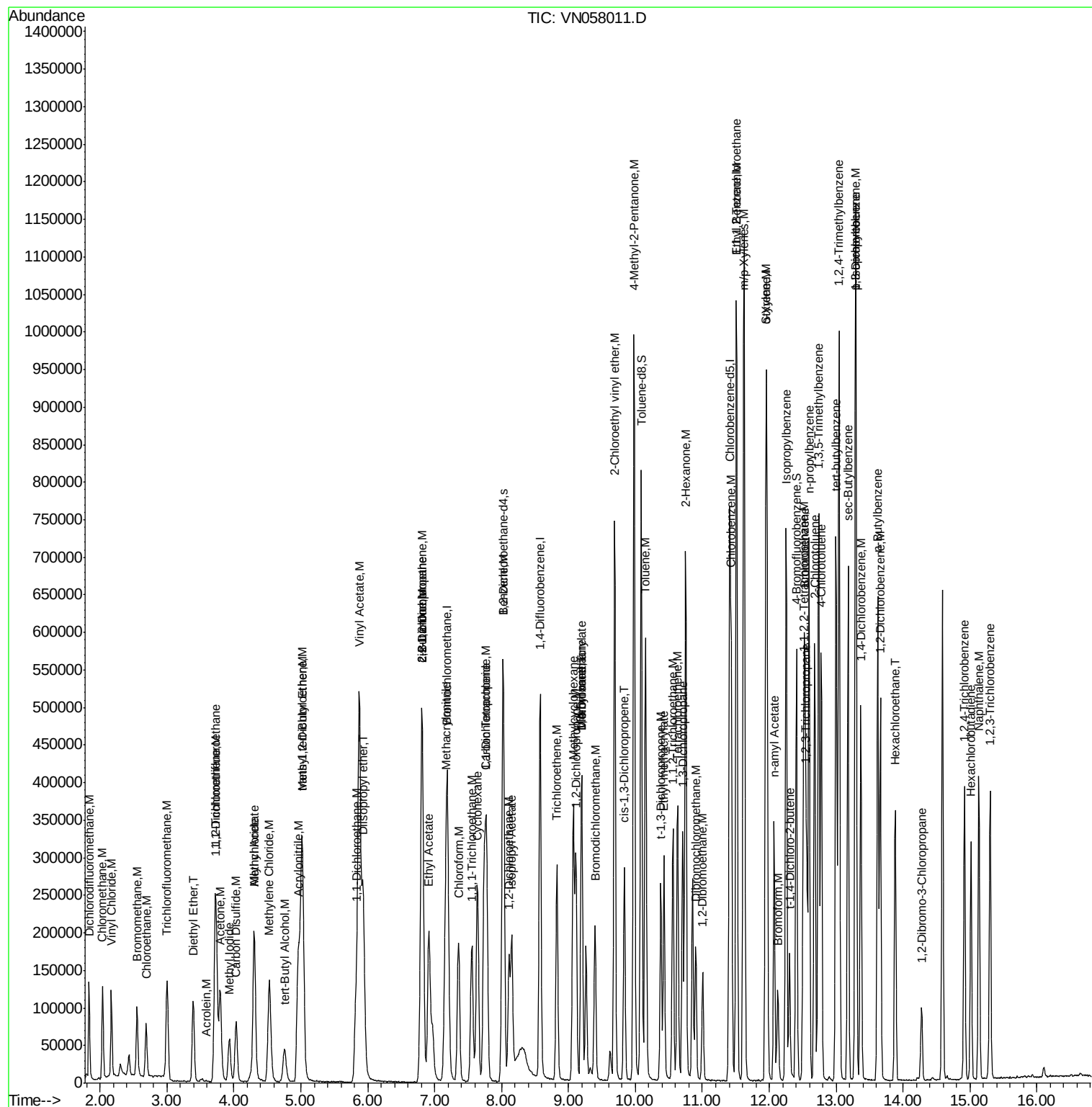
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
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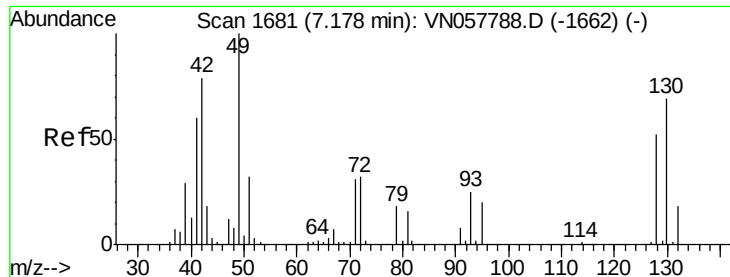
Instrument :
MSVOA_N
Client Sample Id :
VN0914WBSD01

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:128 Resp: 73867

Ion Ratio Lower Upper

128 100

49 186.0 0.0 486.5

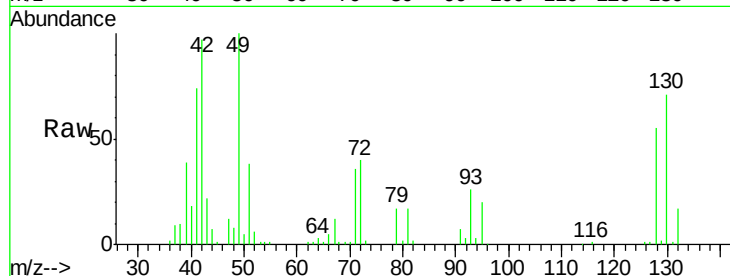
130 129.3 0.0 324.5

Manual Integrations

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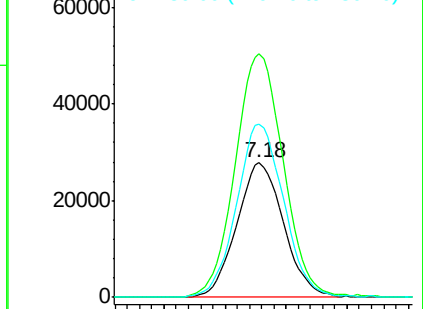
9/16/2019 2:49:30 PM



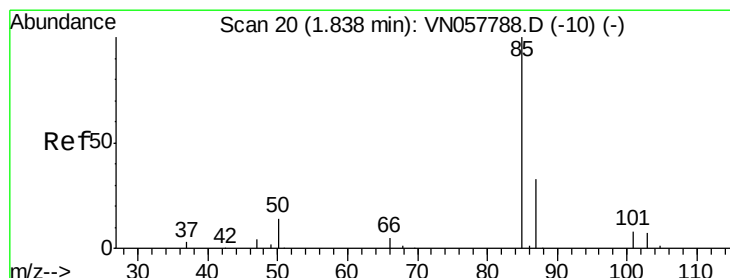
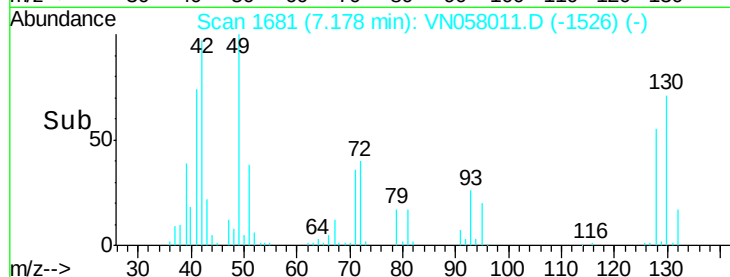
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 21.034 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058011.D

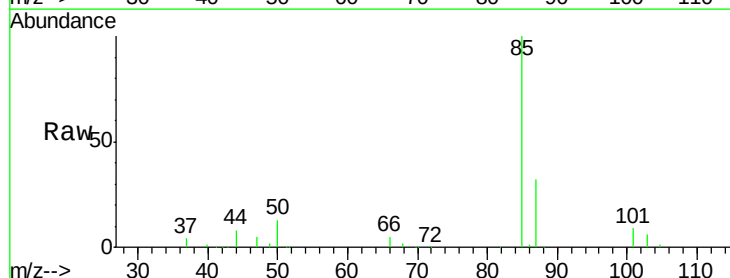
Acq: 13 Sep 2019 12:24

Tgt Ion: 85 Resp: 93872

Ion Ratio Lower Upper

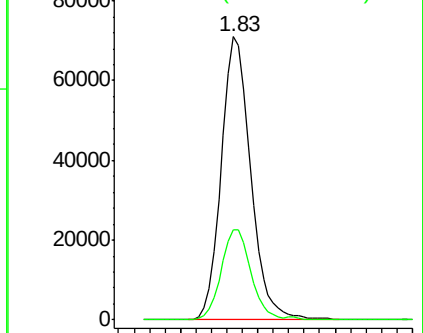
85 100

87 31.8 16.4 49.4

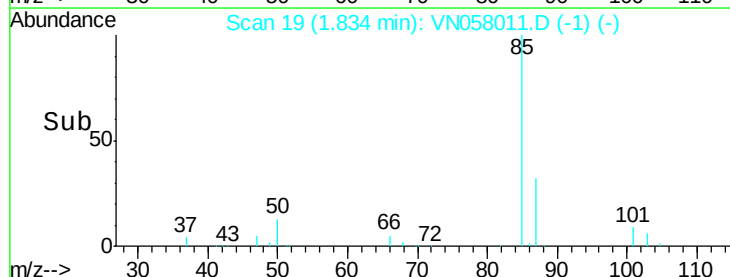


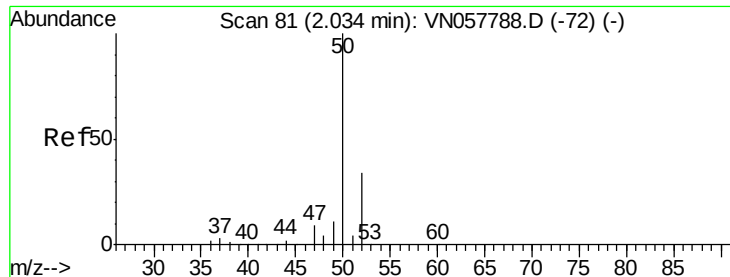
Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->





#3

Chloromethane

Concen: 18.735 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 50 Resp: 104257

Ion Ratio Lower Upper

50 100

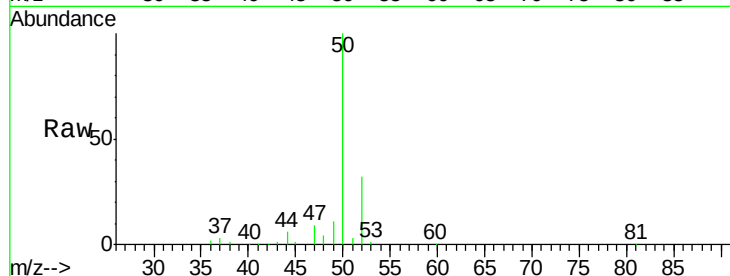
52 31.6 26.9 40.3

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.04

80000

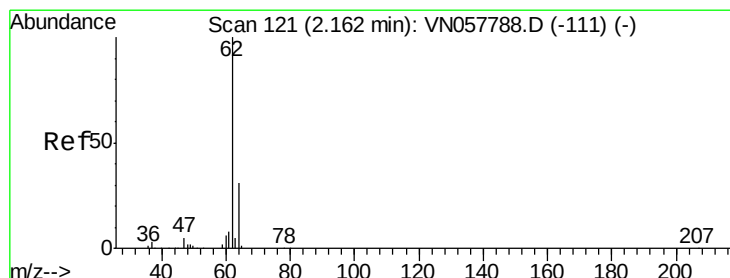
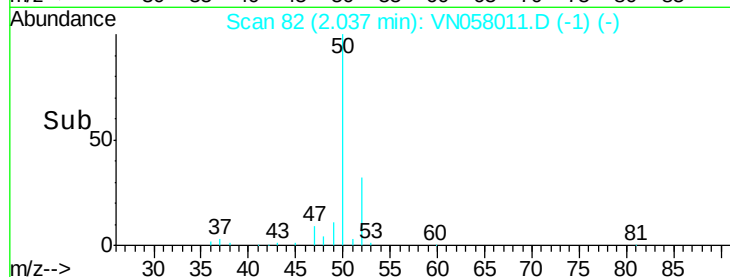
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 17.945 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058011.D

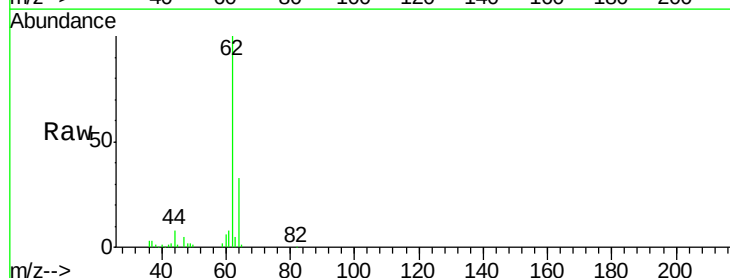
Acq: 13 Sep 2019 12:24

Tgt Ion: 62 Resp: 102174

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.17

80000

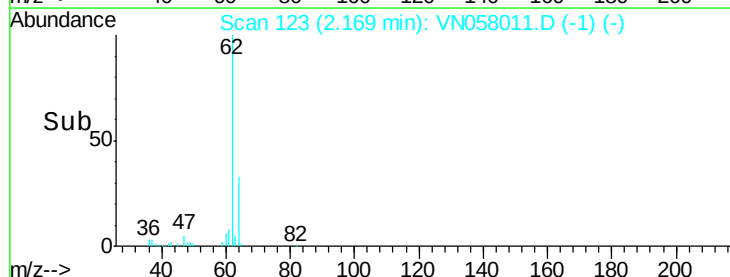
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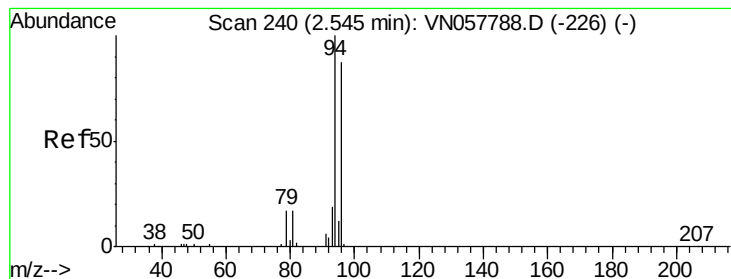
40000

20000

0

Time-->





#5

Bromomethane

Concen: 16.721 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

Tot Ion: 94 Resp: 59415

Ion Ratio Lower Upper

94 100

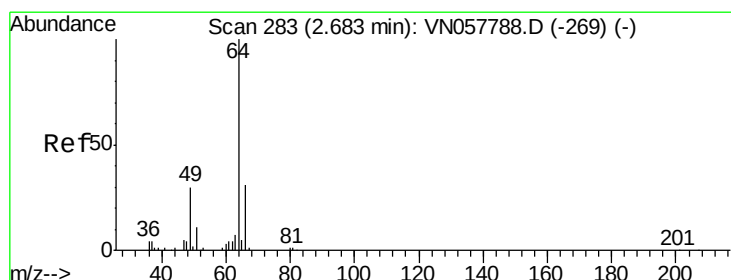
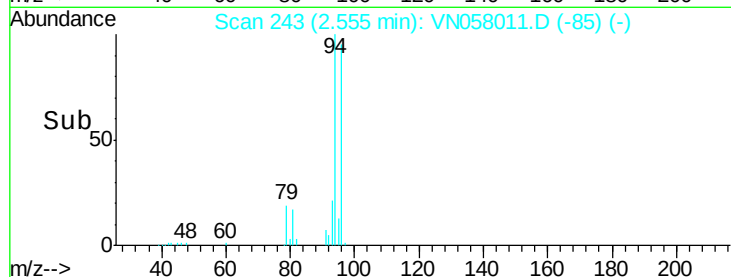
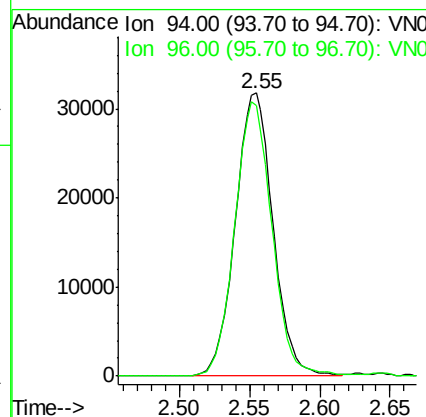
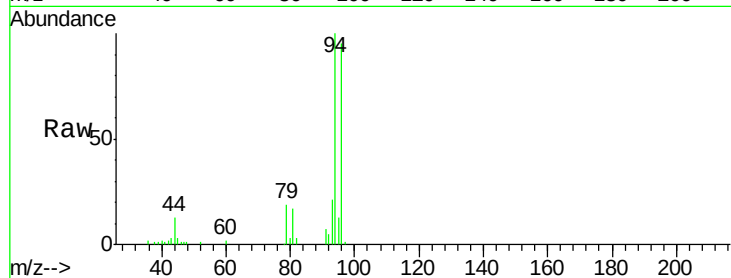
96 95.5 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 18.109 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058011.D

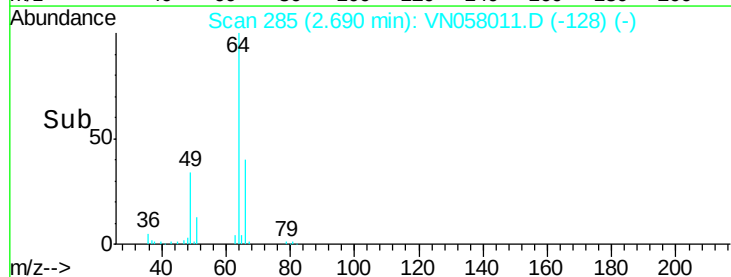
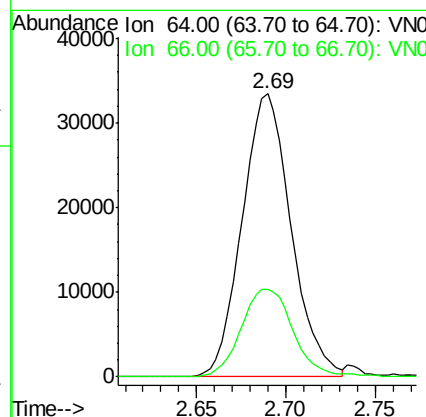
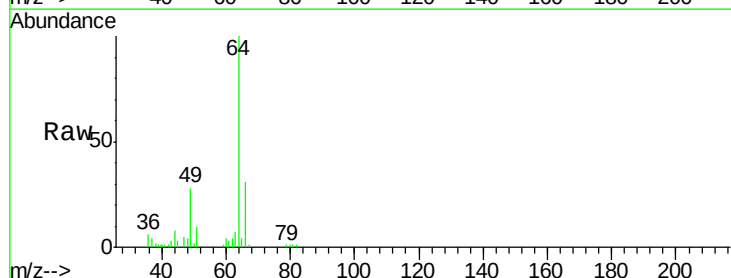
Acq: 13 Sep 2019 12:24

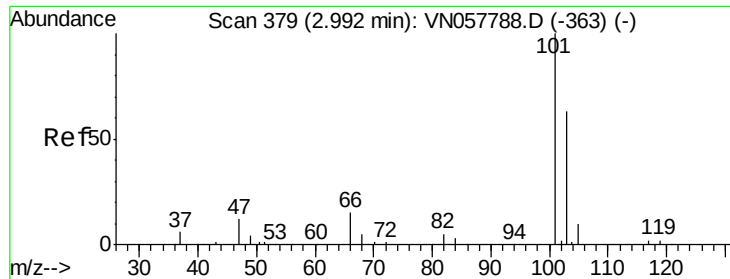
Tgt Ion: 64 Resp: 64077

Ion Ratio Lower Upper

64 100

66 31.0 24.4 36.6





#7

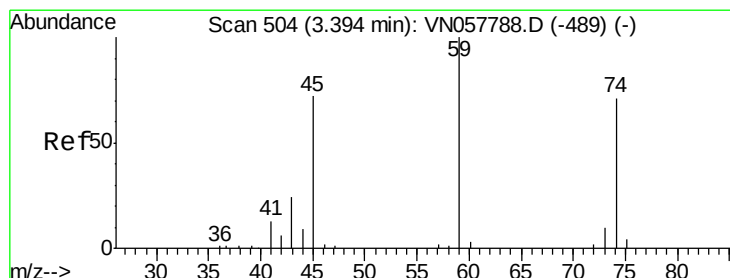
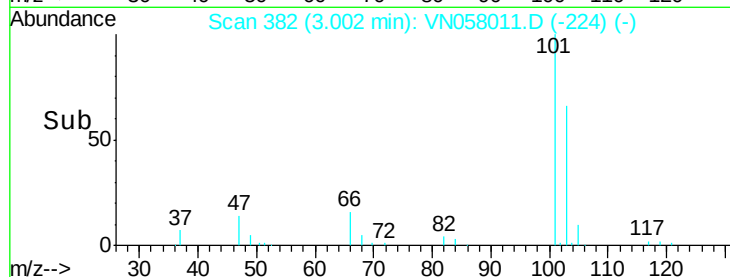
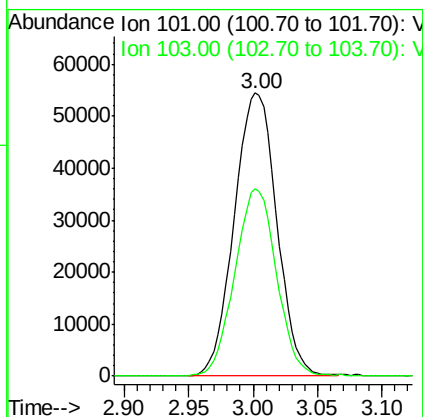
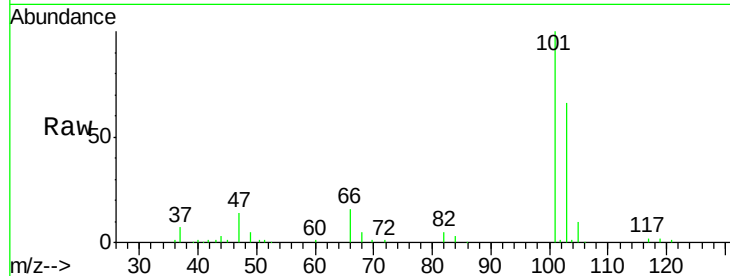
Trichlorofluoromethane
 Concen: 19.022 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
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 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.2	75.2

Manual Integrations
 APPROVED

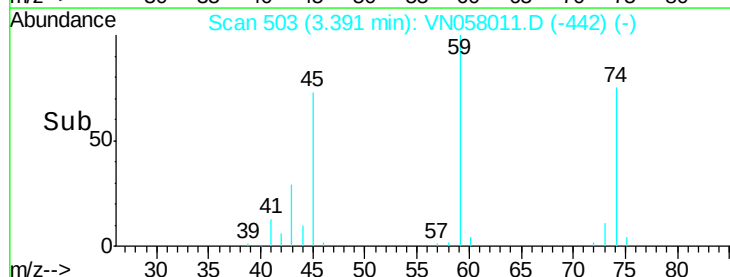
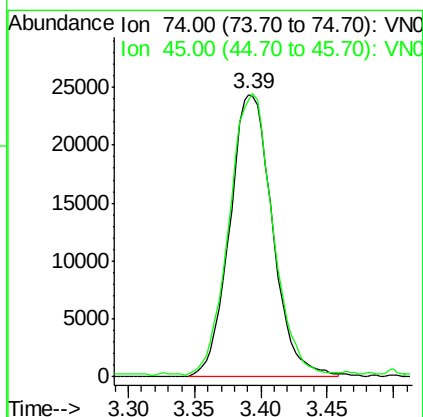
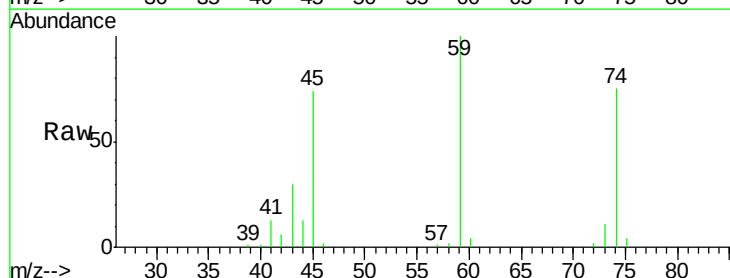
MMDadoda
 9/16/2019 2:49:30 PM

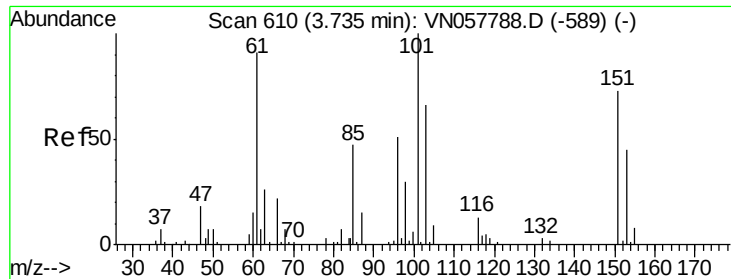


#8

Diethyl Ether
 Concen: 20.554 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	20.3	182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

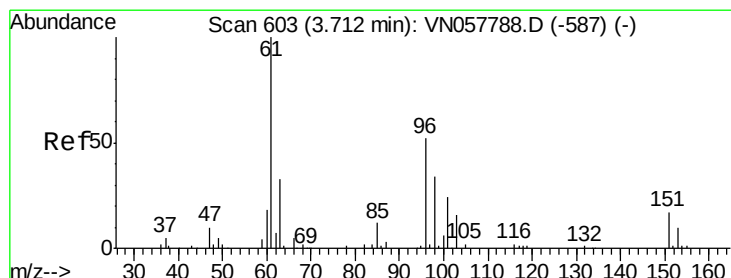
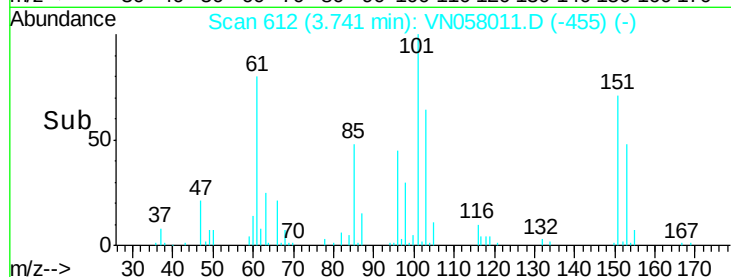
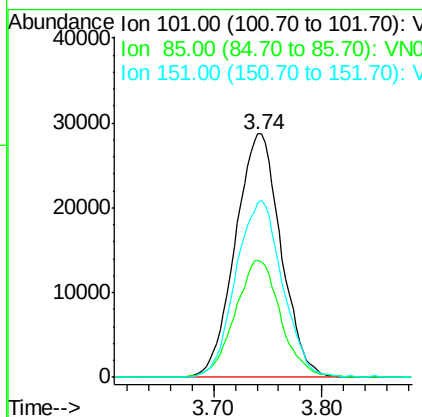
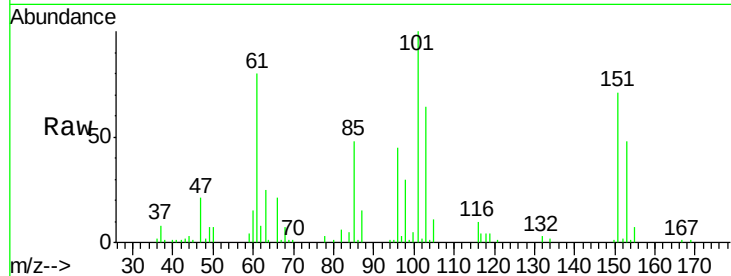
ClientSampleId :

VN0914WBSD01

Tot Ion:	101	Resp:	84457
Ion Ratio	Lower	Upper	
101	100		
85	47.8	0.0	94.0
151	74.0	0.0	144.4

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 20.019 ug/l

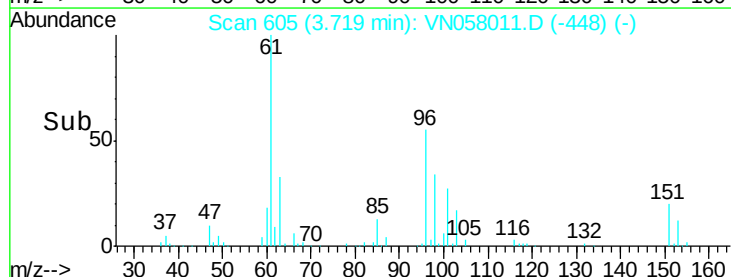
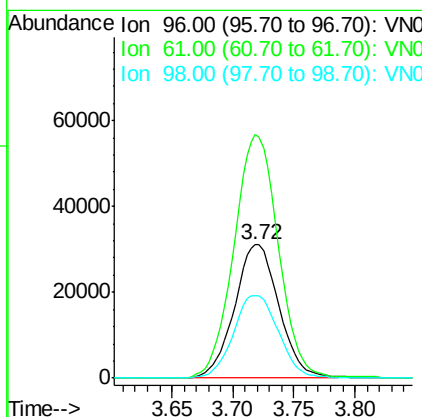
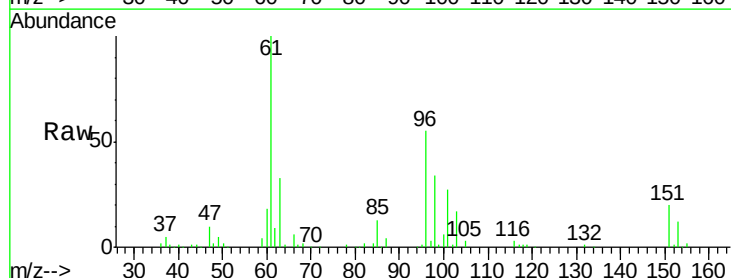
RT: 3.72 min Scan# 605

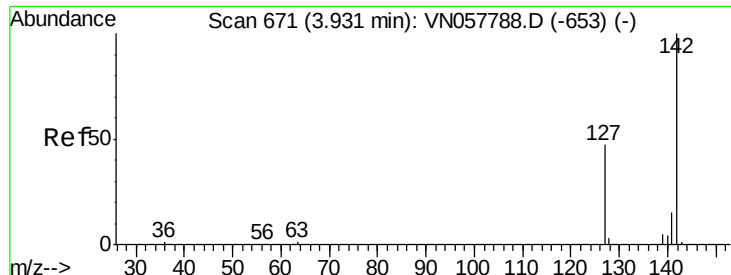
Delta R.T. 0.01 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion:	96	Resp:	78192
Ion Ratio	Lower	Upper	
96	100		
61	181.7	153.4	230.0
98	61.8	51.5	77.3





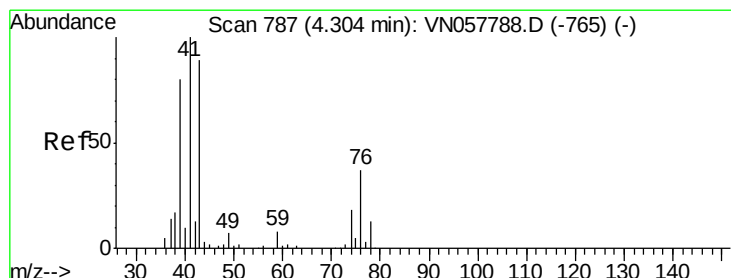
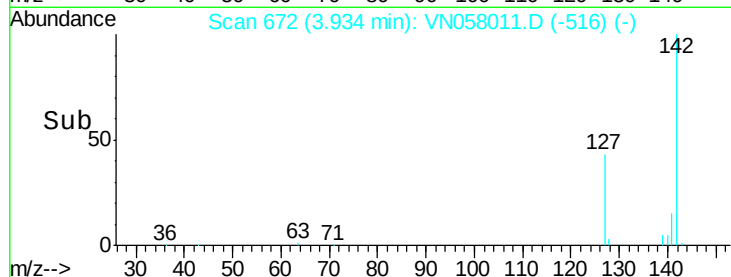
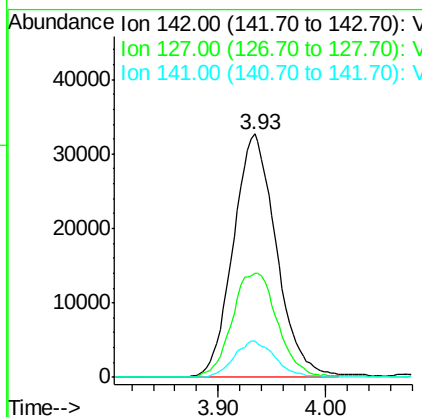
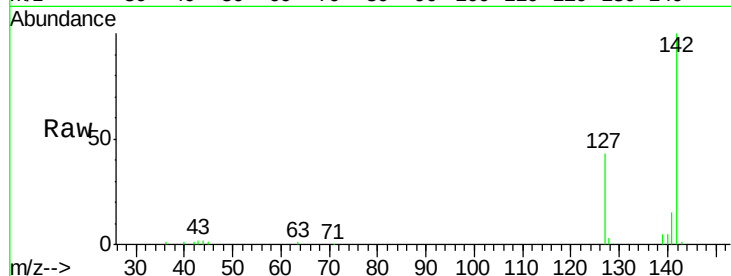
#11
Methvl Iodide
Concen: 17.345 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.9	23.3	69.8
141	14.7	7.5	22.6

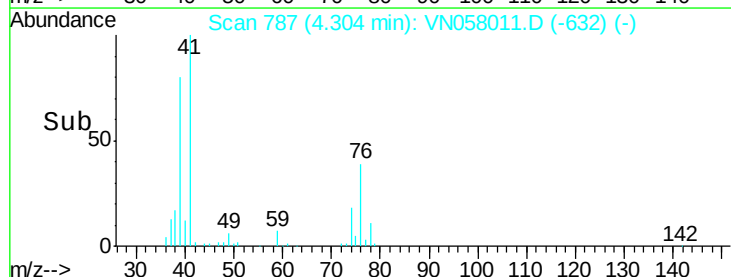
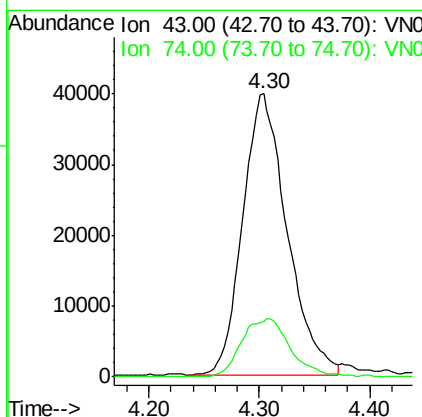
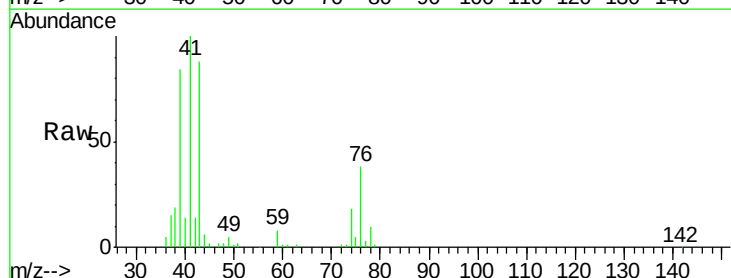
Manual Integrations
APPROVED

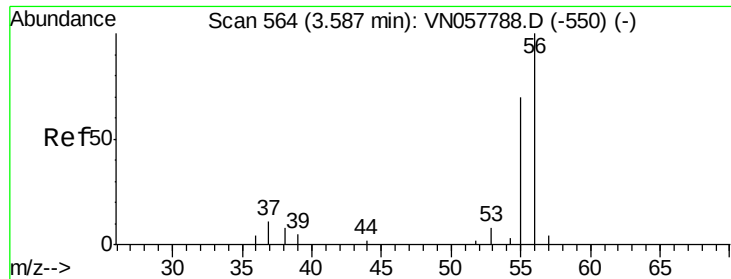
MMDadoda
9/16/2019 2:49:30 PM



#12
Methyl Acetate
Concen: 20.669 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.2	24.4





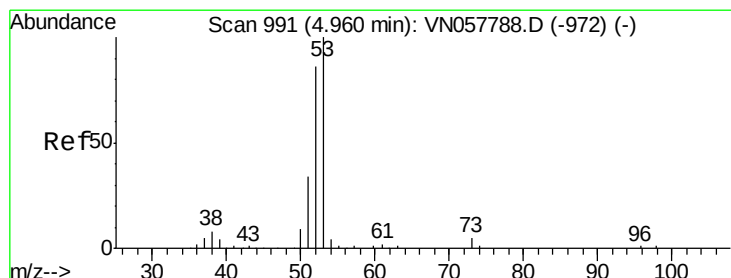
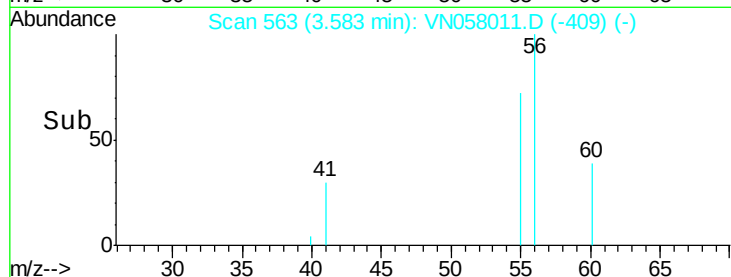
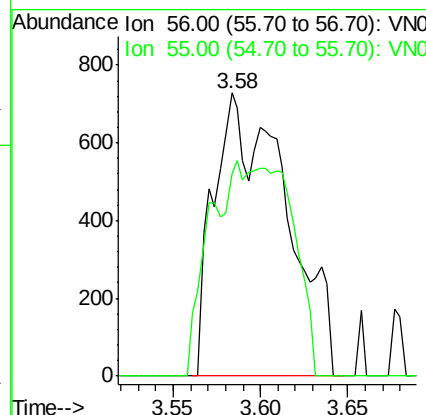
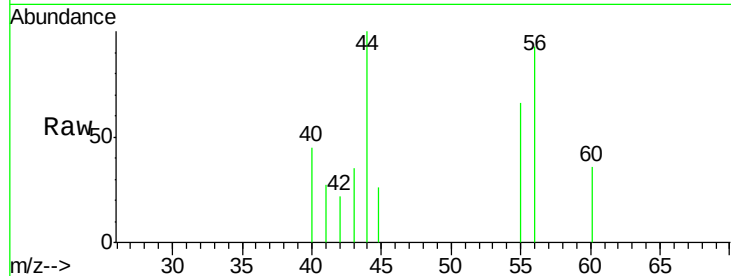
#13
Acrolein
Concen: 7.190 ug/l m
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	5.4	59.0	88.4#

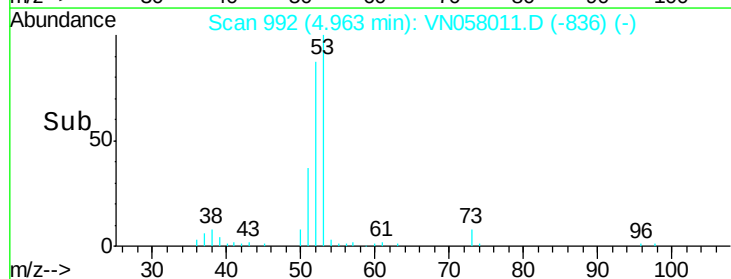
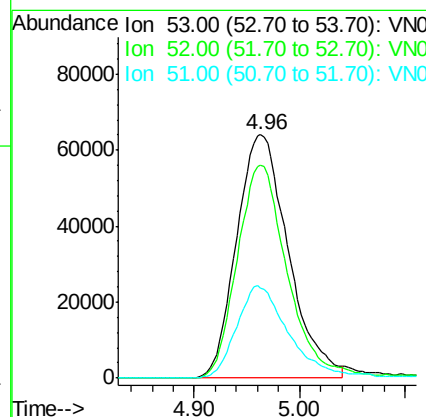
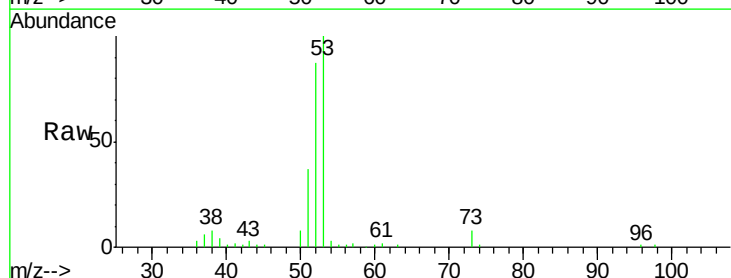
Manual Integrations
APPROVED

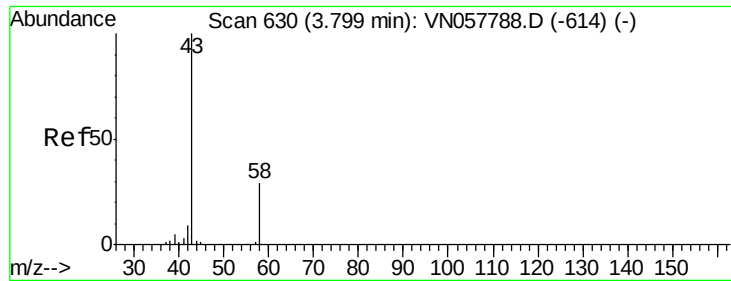
MMDadoda
9/16/2019 2:49:30 PM



#14
Acrylonitrile
Concen: 99.844 ug/l
RT: 4.96 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	84.8	41.0	123.0
51	51	37.8	8.6	25.8#





#15

Acetone

Concen: 91.400 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 58 Resp: 56700

Ion Ratio Lower Upper

58 100

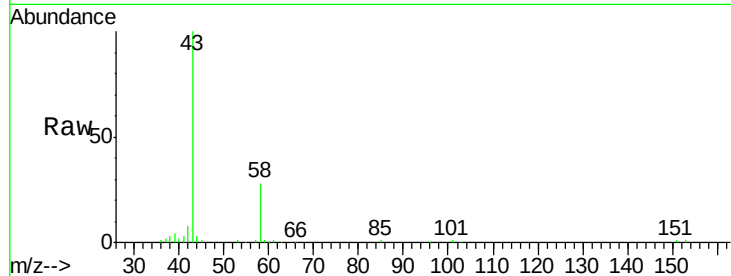
43 349.1 277.7 416.5

Manual Integrations

APPROVED

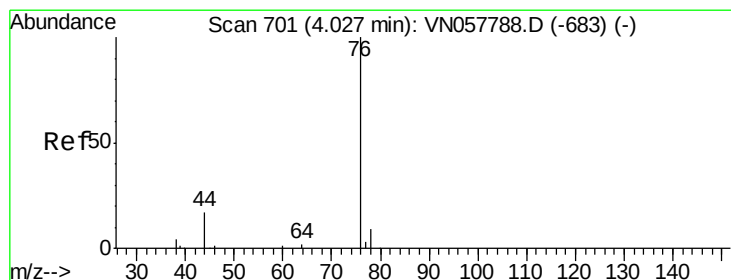
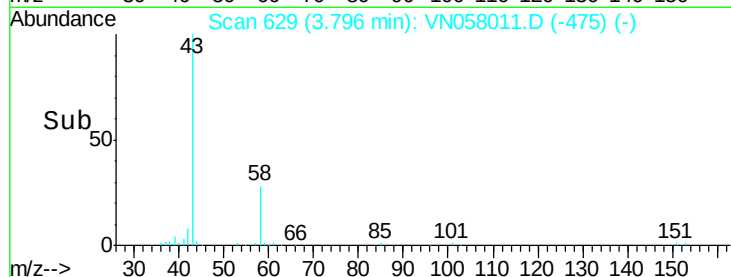
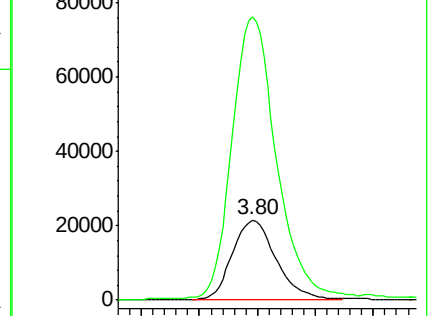
MMDadoda

9/16/2019 2:49:30 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.864 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058011.D

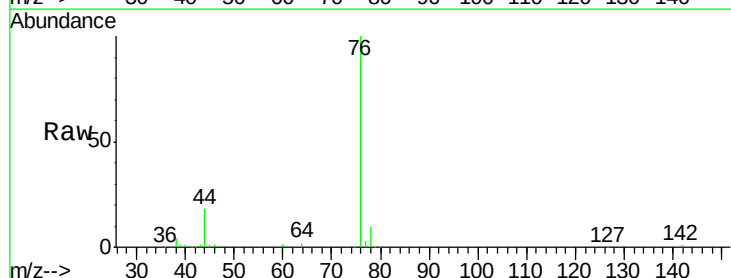
Acq: 13 Sep 2019 12:24

Tgt Ion: 76 Resp: 153385

Ion Ratio Lower Upper

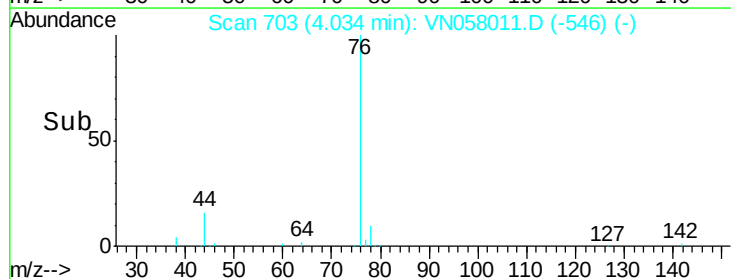
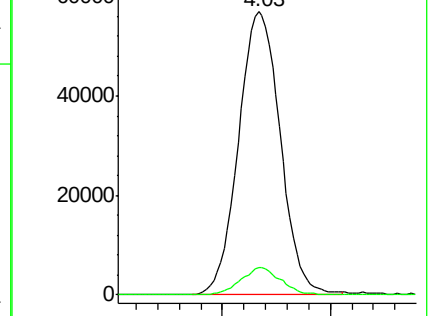
76 100

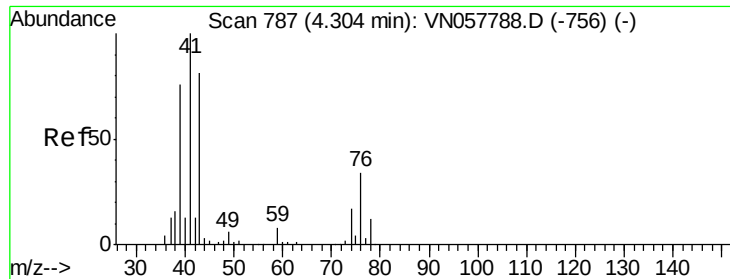
78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





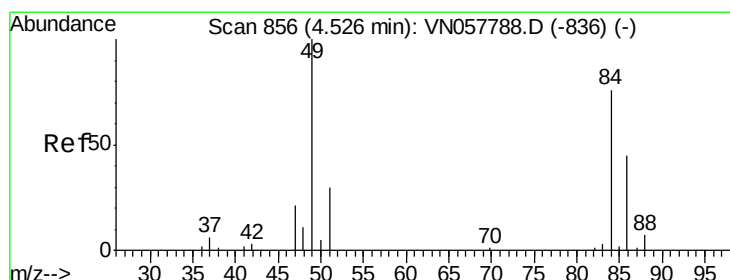
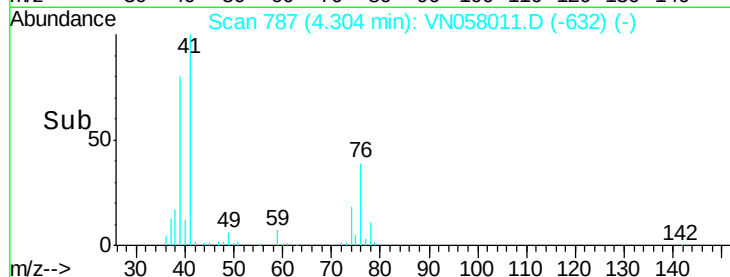
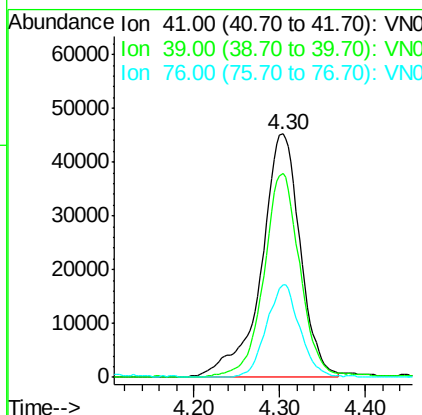
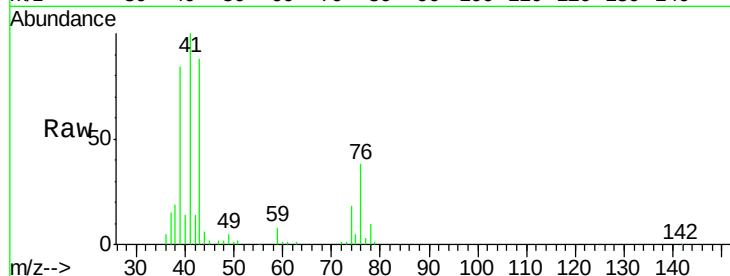
#17
Allvl chloride
Concen: 19.954 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	83.5	38.5	115.3
76	38.1	17.2	51.6

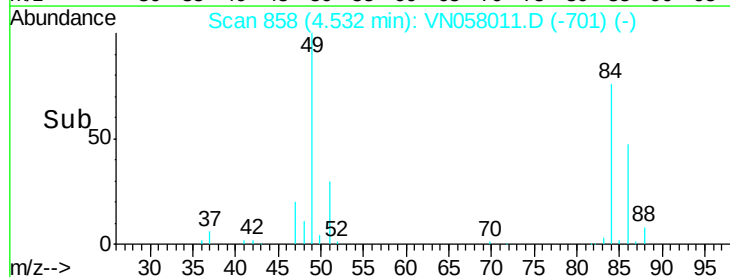
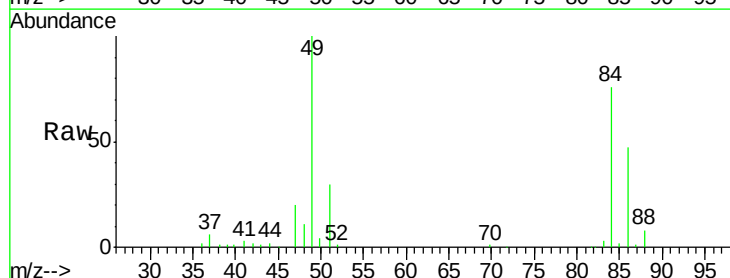
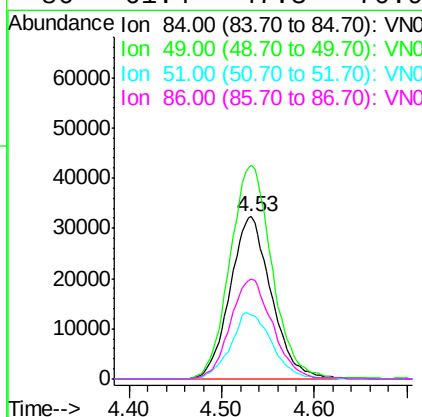
Manual Integrations
APPROVED

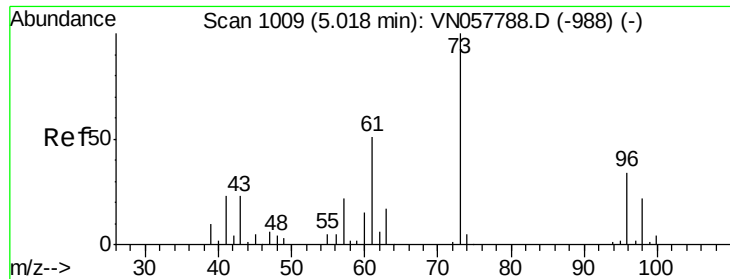
MMDadoda
9/16/2019 2:49:30 PM



#18
Methylene Chloride
Concen: 20.302 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.6	105.4	158.2
51	39.4	31.3	46.9
86	61.4	47.3	70.9





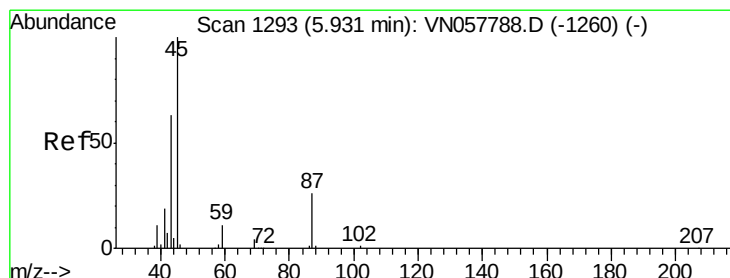
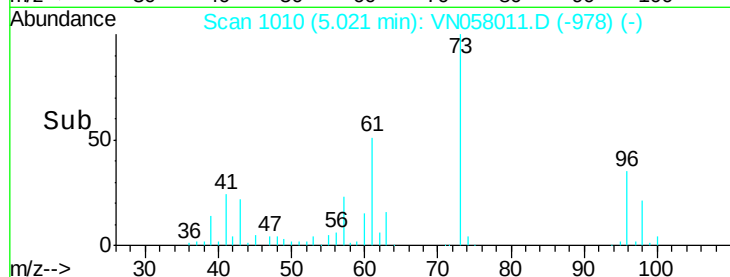
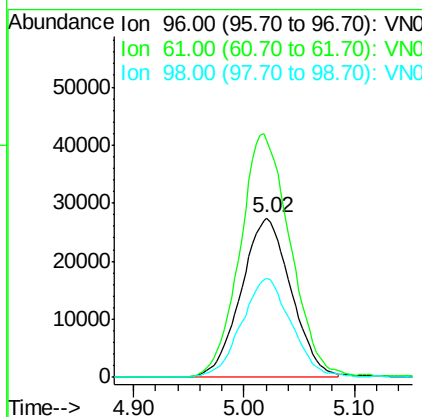
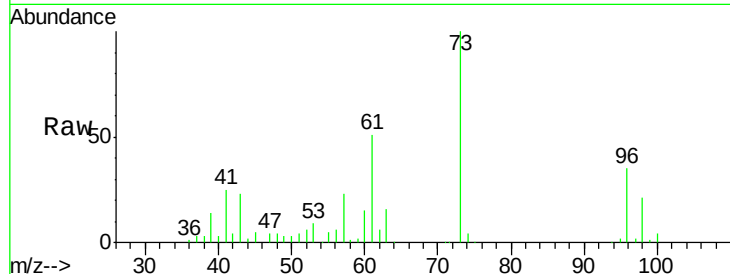
#19
trans-1,2-Dichloroethene
Concen: 19.779 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.3	121.0	181.6
98	61.8	52.7	79.1

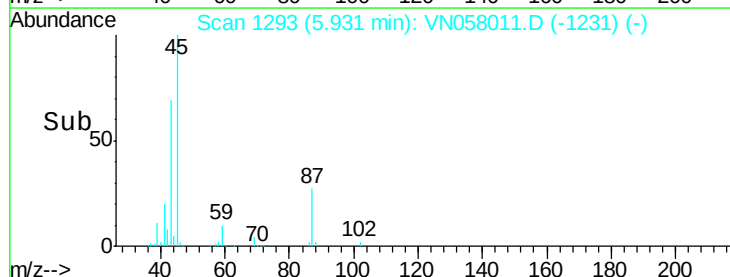
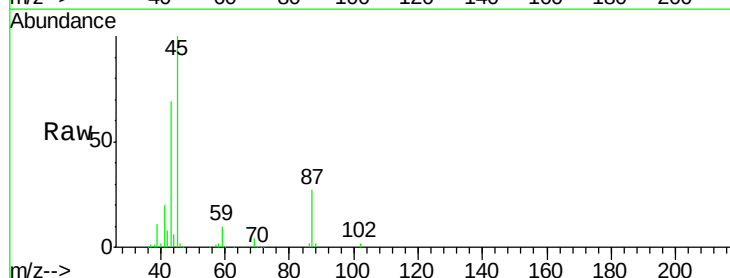
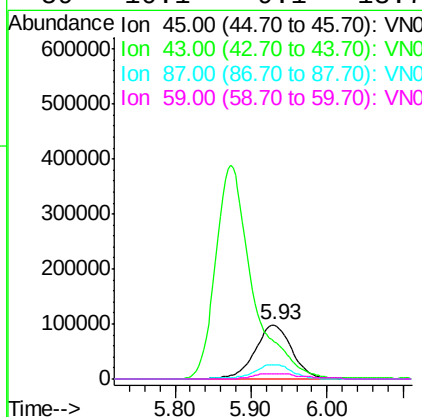
Manual Integrations
APPROVED

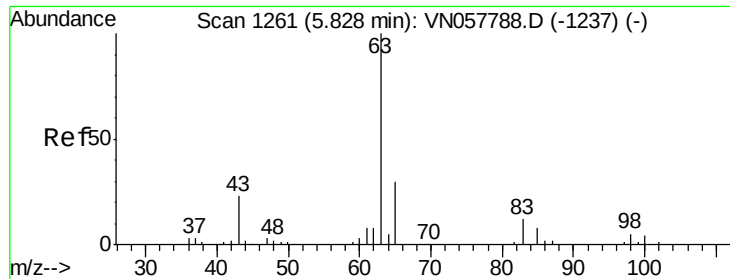
MMDadoda
9/16/2019 2:49:30 PM



#20
Diisopropyl ether
Concen: 19.913 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	55.2	82.8
87	26.6	21.3	31.9
59	10.1	9.1	13.7





#21

1,1-Dichloroethane

Concen: 20.493 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

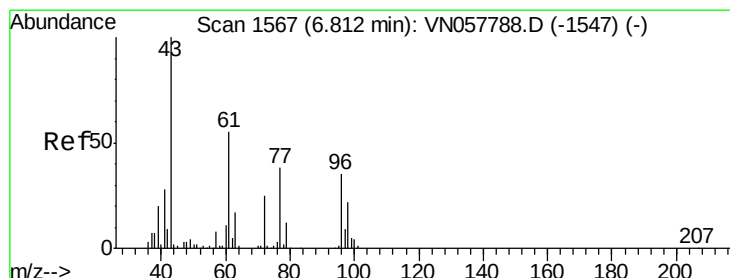
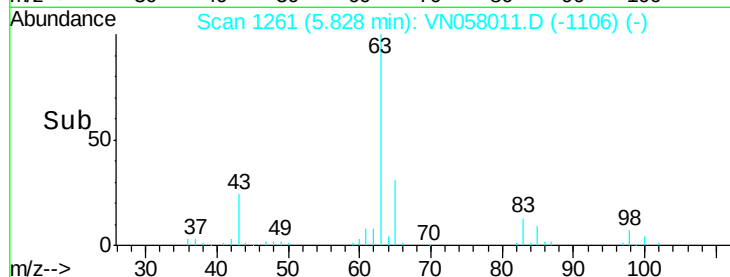
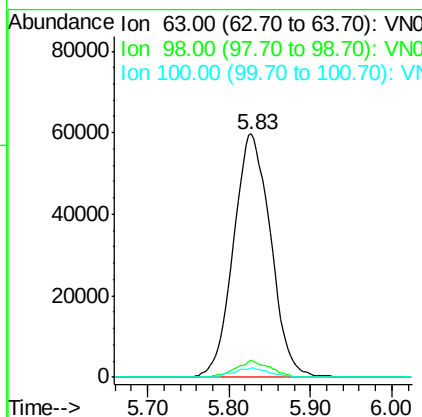
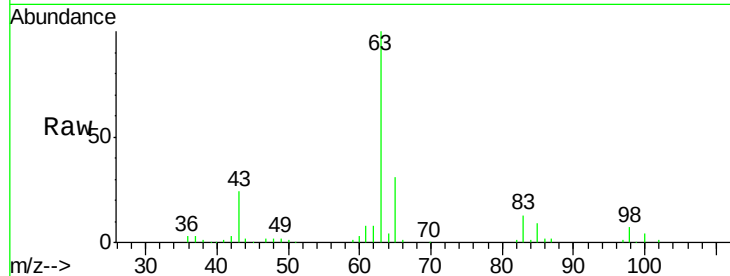
ClientSampleId :

VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	189071		
98	7.2	2.8	8.3	
100	3.6	1.8	5.5	

Manual Integrations
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MMDadoda
9/16/2019 2:49:30 PM



#22

cis-1,2-Dichloroethene

Concen: 20.591 ug/l

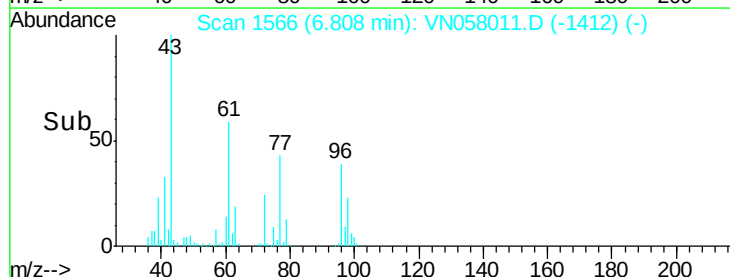
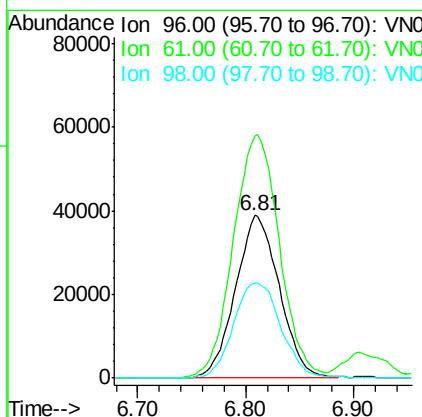
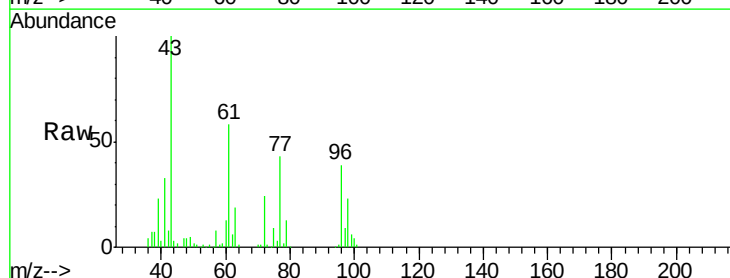
RT: 6.81 min Scan# 1566

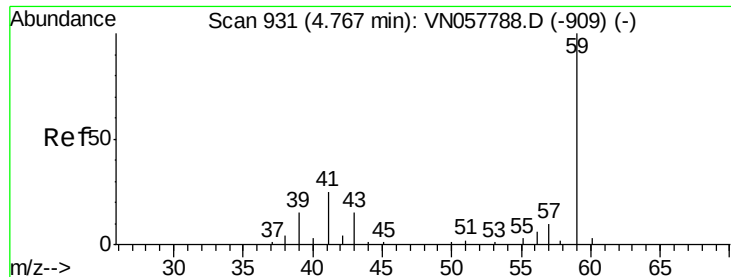
Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	109828		
61	156.8	127.4	191.0	
98	62.8	51.5	77.3	





#23

tert-Butyl Alcohol

Concen: 102.554 ug/l m

RT: 4.75 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 59 Resp: 73157

Ion Ratio Lower Upper

59 100

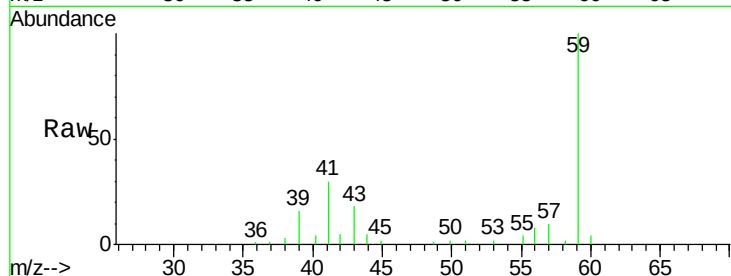
52 0.0 0.0 0.0

Manual Integrations

APPROVED

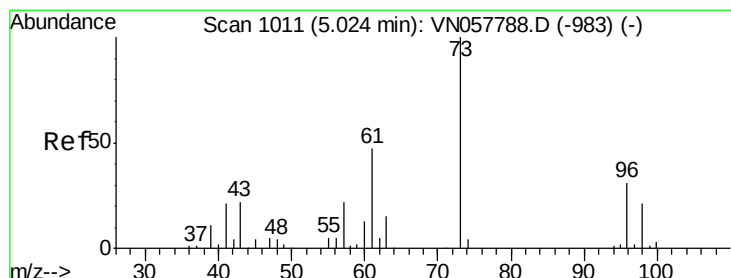
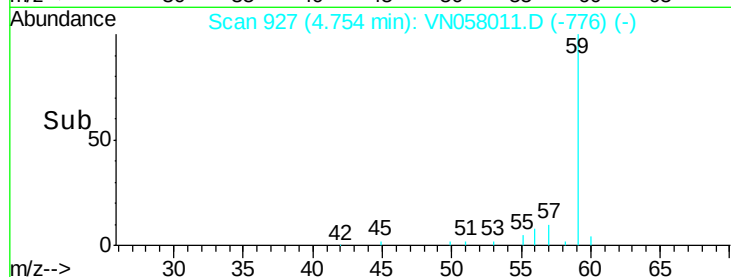
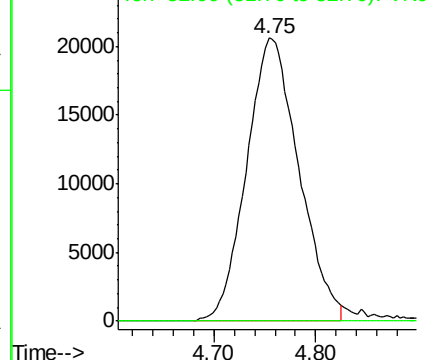
MMDadoda

9/16/2019 2:49:30 PM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.034 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN058011.D

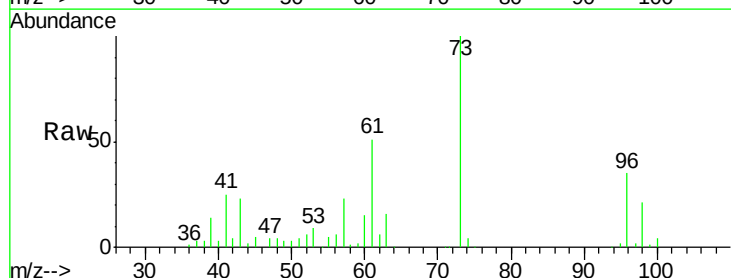
Acq: 13 Sep 2019 12:24

Tgt Ion: 73 Resp: 299927

Ion Ratio Lower Upper

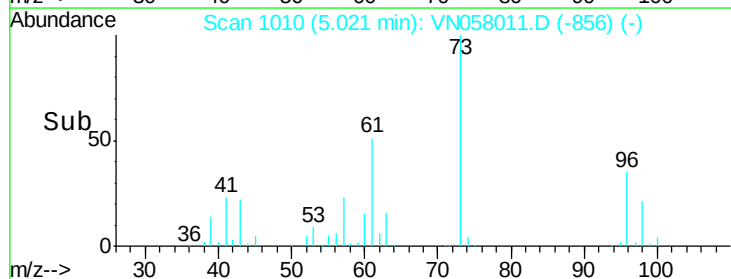
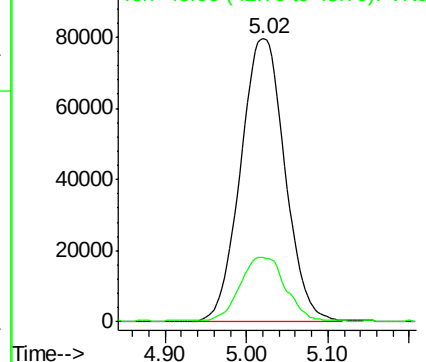
73 100

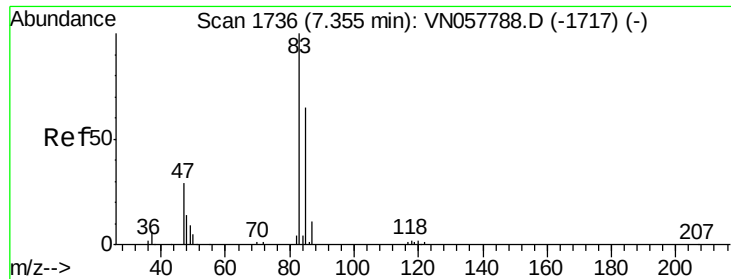
43 22.8 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





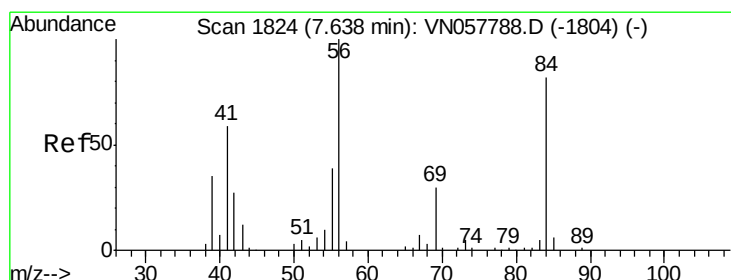
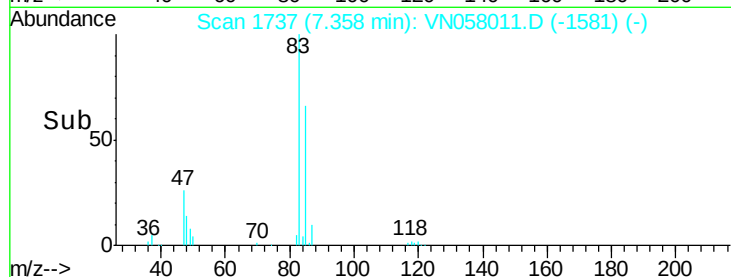
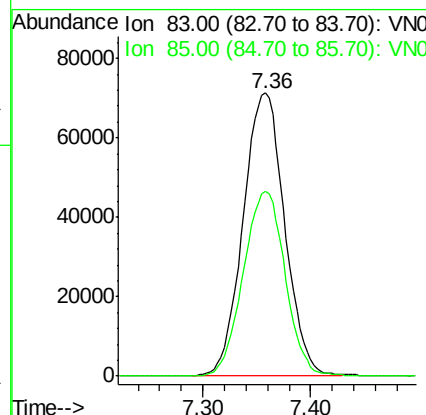
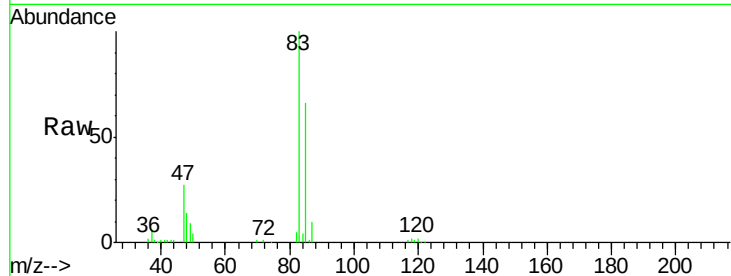
#25
Chloroform
Concen: 20.316 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	83	Resp	190825
Ion Ratio	100	Lower	Upper
85	65.5	51.8	77.6

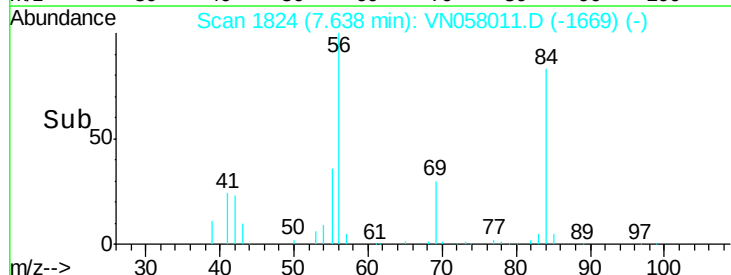
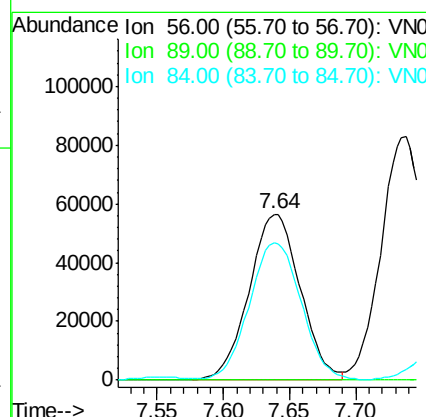
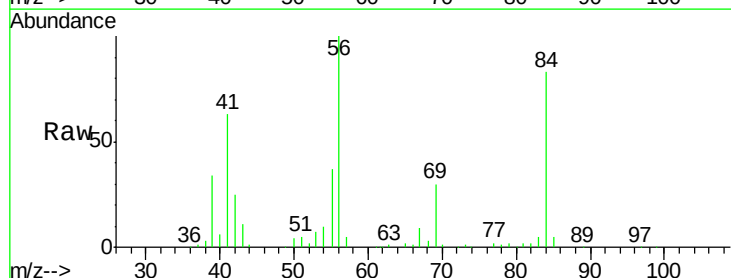
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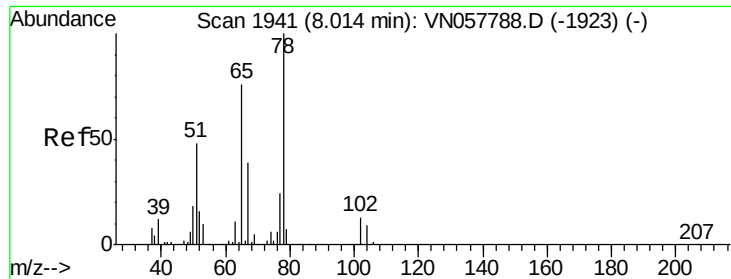
MMDadoda
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#26
Cyclohexane
Concen: 19.652 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	56	Resp	152339
Ion Ratio	100	Lower	Upper
89	0.1	0.3	0.5#
84	83.2	66.6	100.0





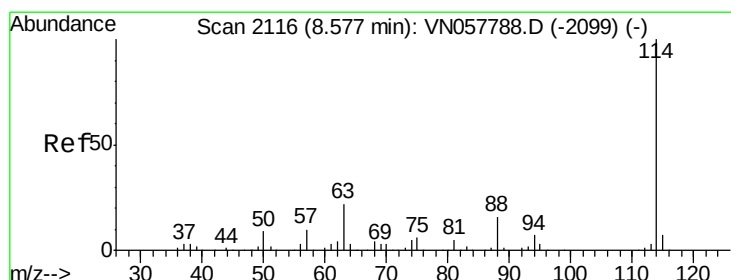
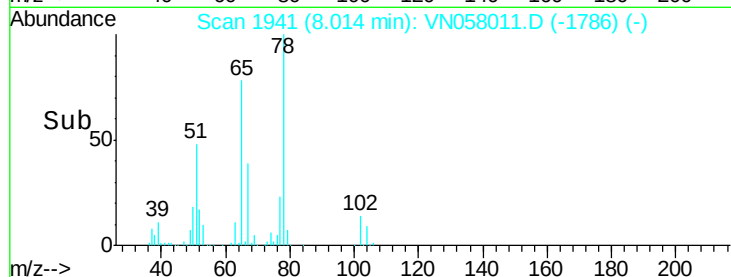
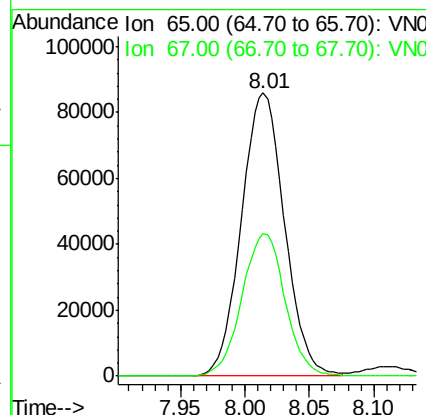
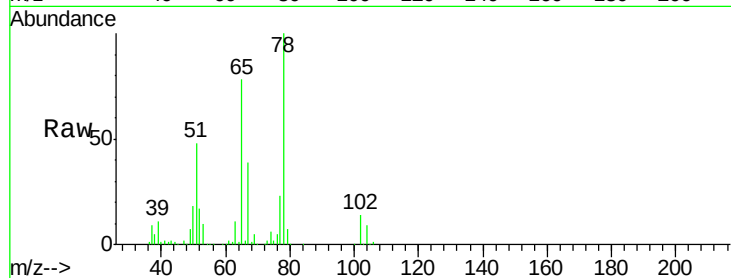
#27
 1,2-Dichloroethane-d4
 Concen: 30.677 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	40.9	61.3

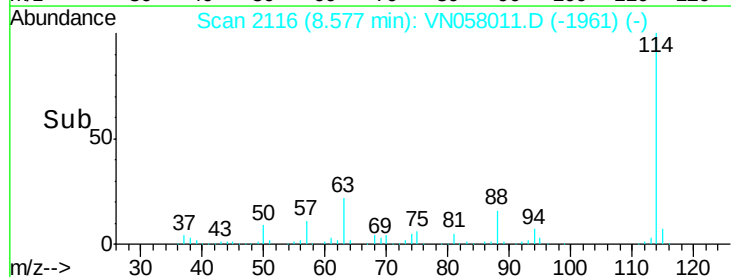
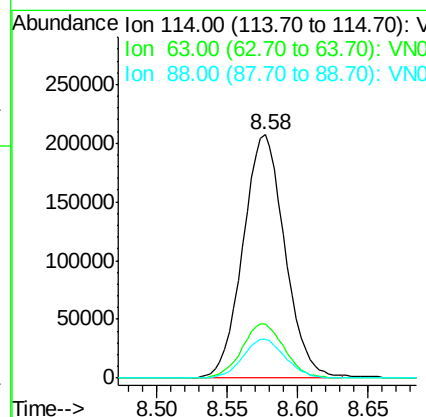
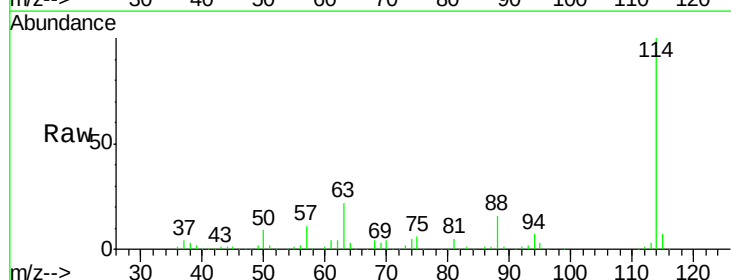
Manual Integrations
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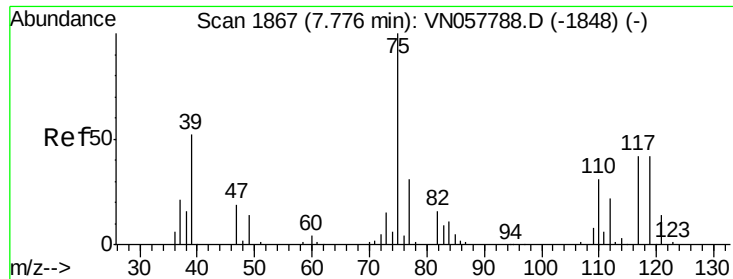
MMDadoda
 9/16/2019 2:49:30 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.0	27.0
88	16.2	12.6	19.0





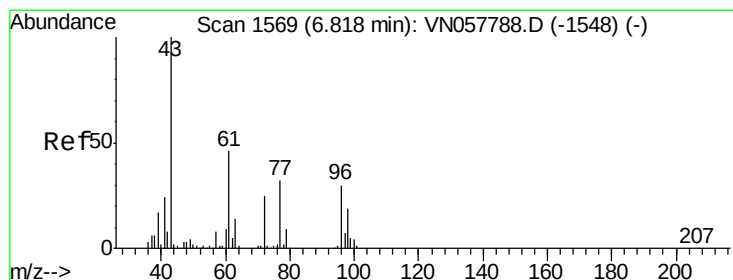
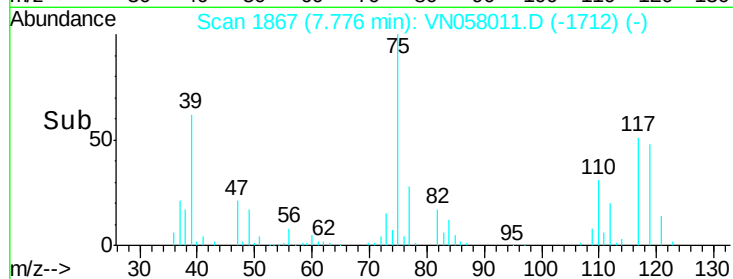
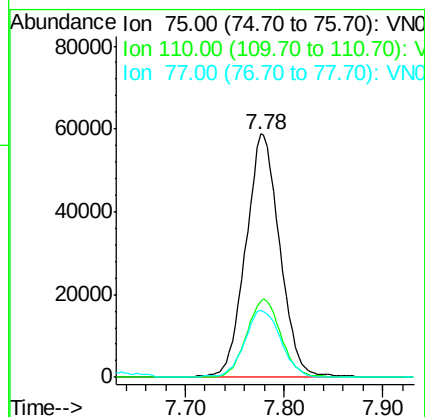
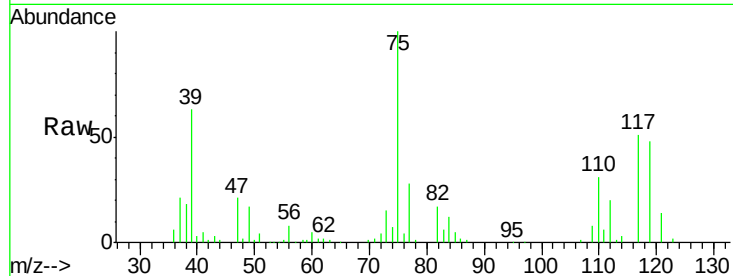
#29
 1,1-Dichloropropene
 Concen: 20.678 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.1	0.0	63.8	
77	28.5	0.0	60.0	

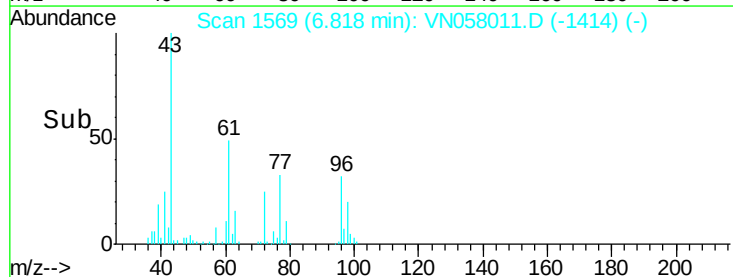
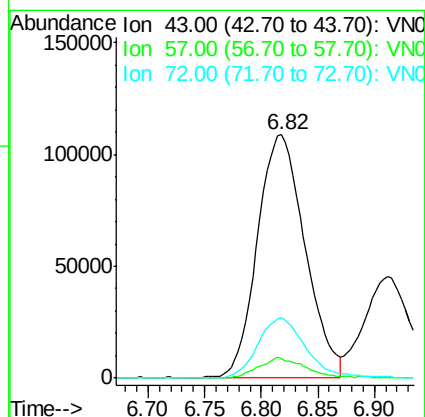
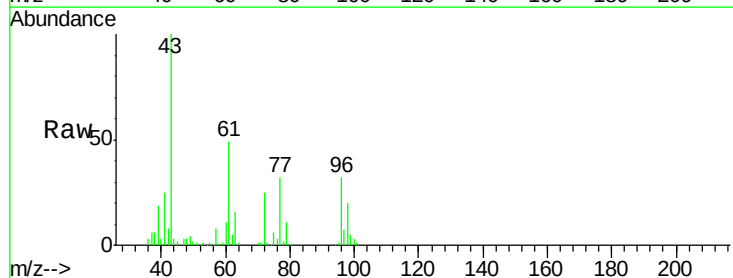
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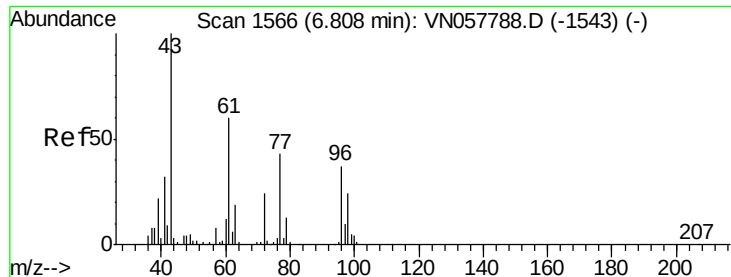
MMDadoda
 9/16/2019 2:49:30 PM



#30
 2-Butanone
 Concen: 103.514 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.2	6.4	9.6	
72	25.0	20.3	30.5	





#31

2,2-Dichloropropane

Concen: 18.968 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 77 Resp: 135690

Ion Ratio Lower Upper

77 100

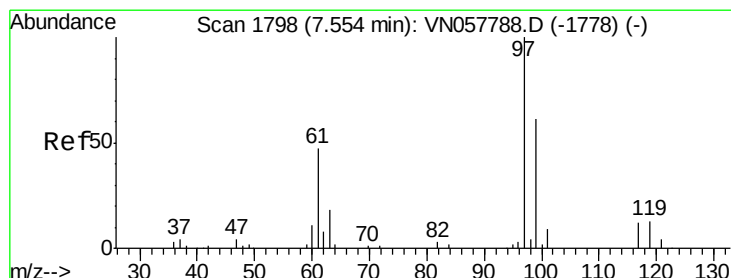
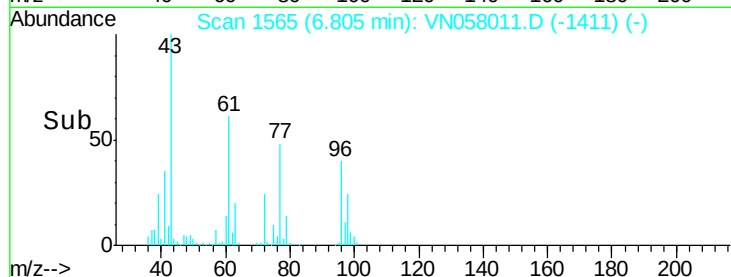
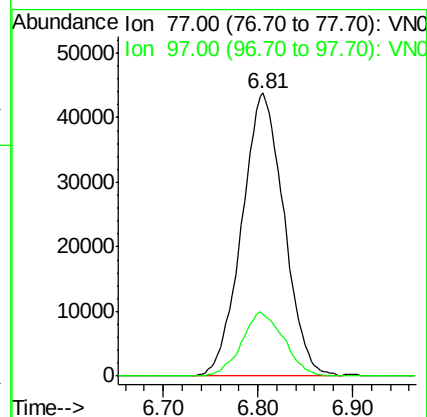
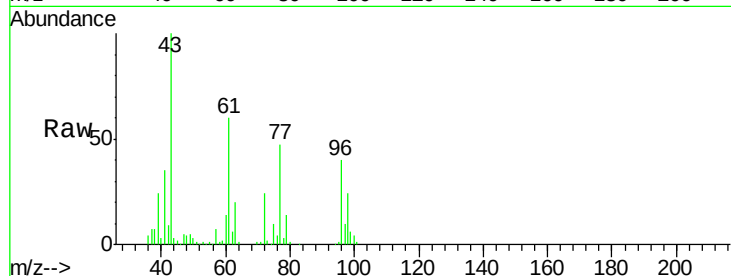
97 22.5 17.7 26.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.970 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

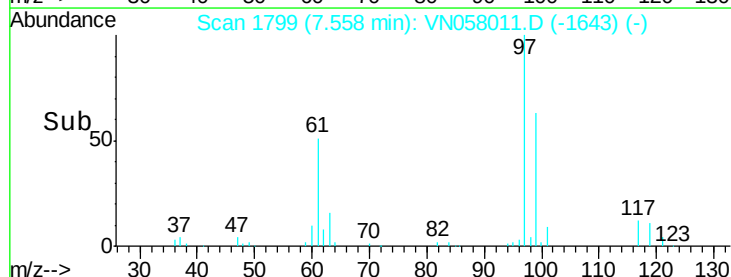
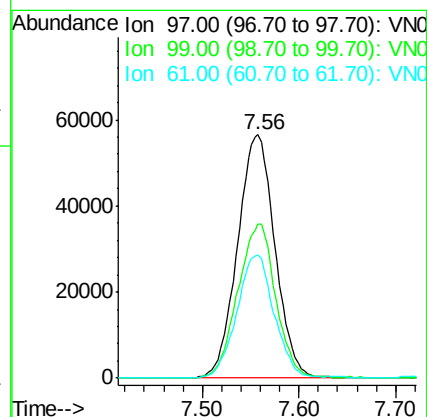
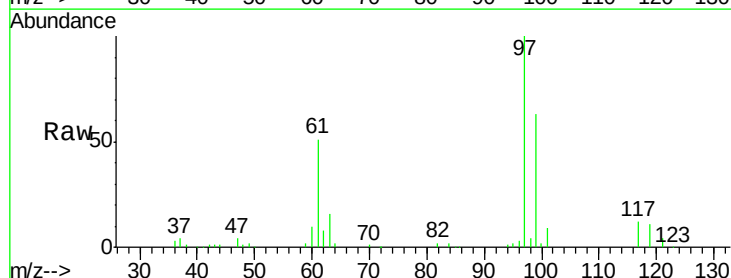
Tgt Ion: 97 Resp: 152136

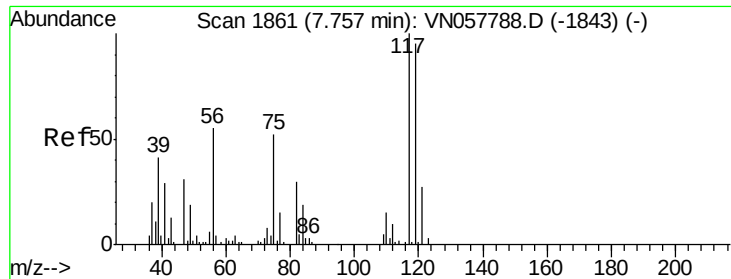
Ion Ratio Lower Upper

97 100

99 63.8 49.8 74.8

61 50.4 38.7 58.1





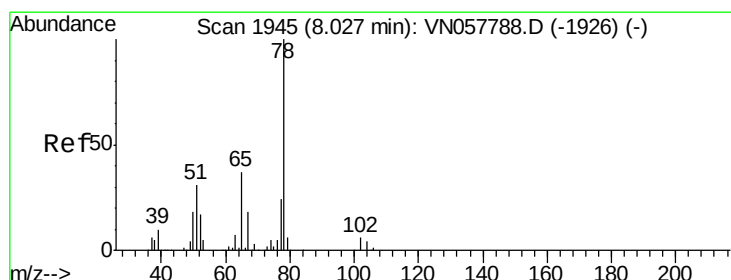
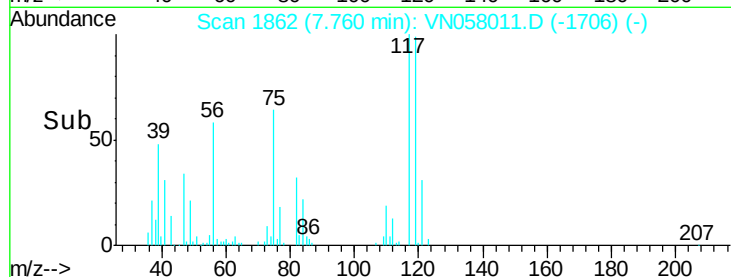
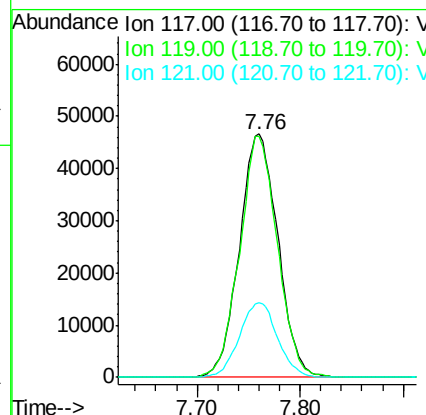
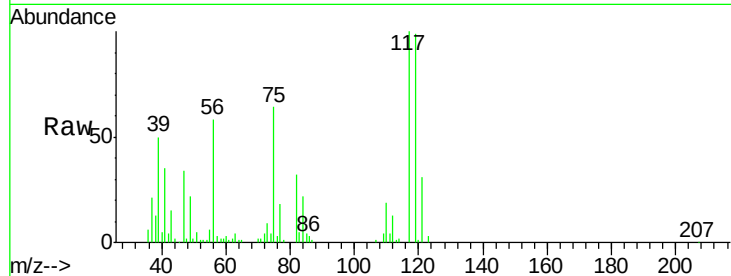
#33
Carbon Tetrachloride
Concen: 19.470 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.7	113.5
121	30.7	21.7	32.5

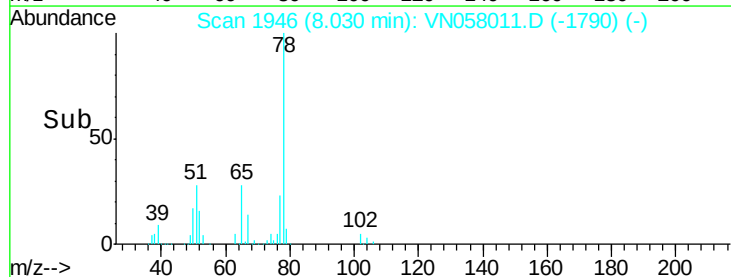
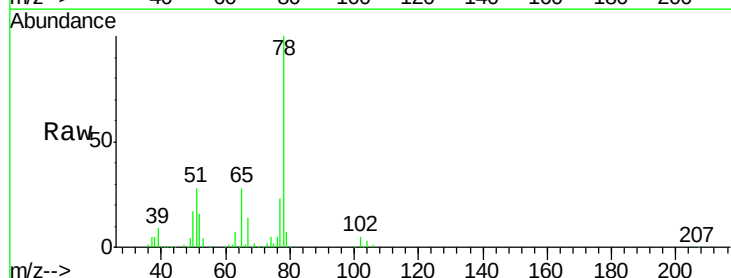
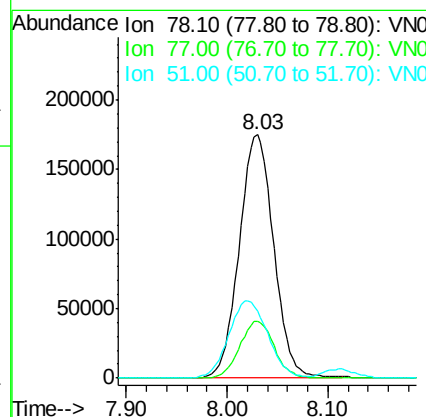
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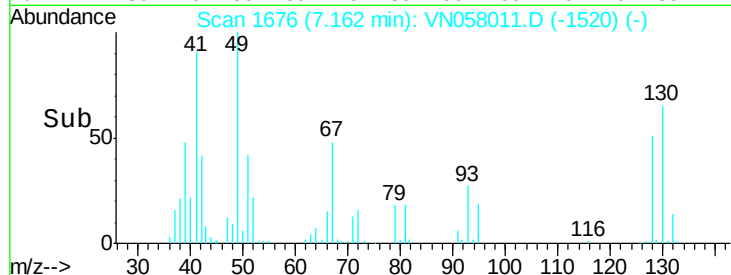
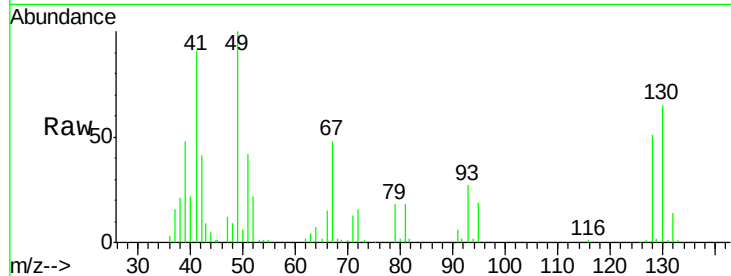
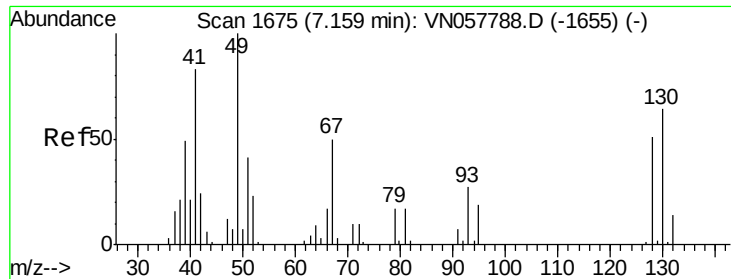
MMDadoda
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#34
Benzene
Concen: 20.672 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8
51	27.5	24.9	37.3





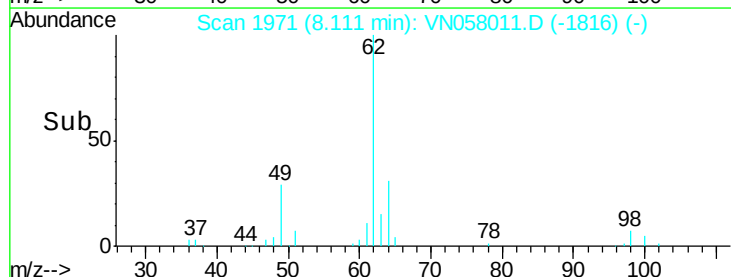
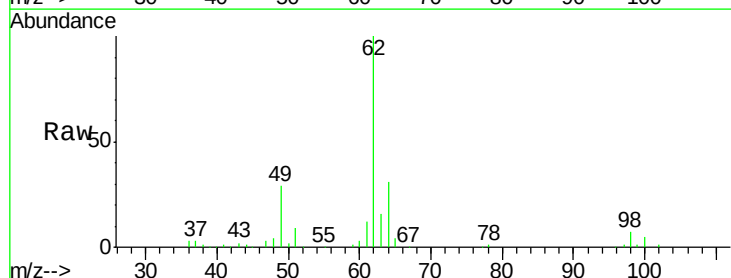
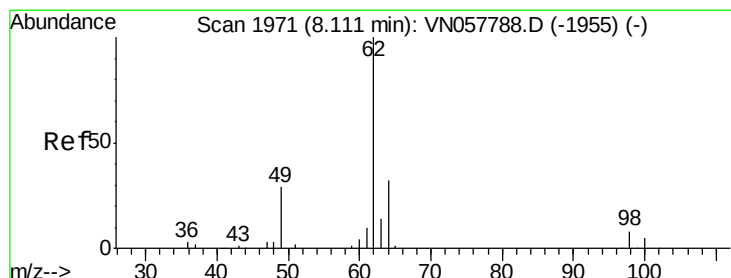
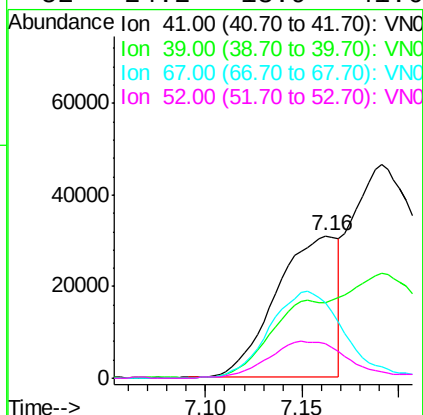
#35
Methacrylonitrile
Concen: 24.229 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		68659		
39	53.4	29.8	89.5		
67	53.0	30.0	90.1		
52	24.2	13.9	41.6		

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

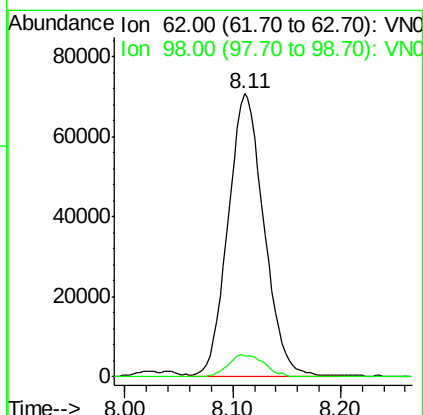
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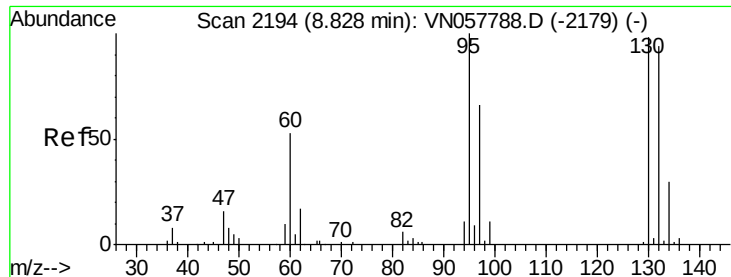
MMDadoda
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#36
1,2-Dichloroethane
Concen: 21.169 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		164929		
98	7.8	6.6	9.8		





#37

Trichloroethene

Concen: 20.102 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:130 Resp: 98021

Ion Ratio Lower Upper

130 100

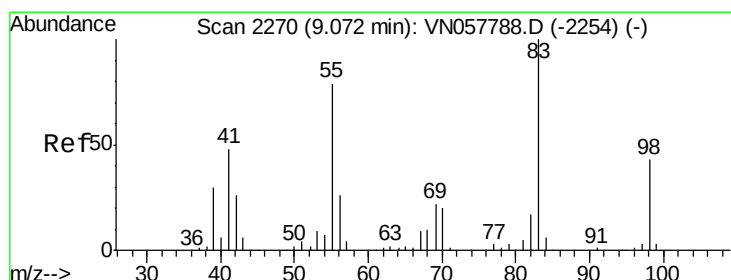
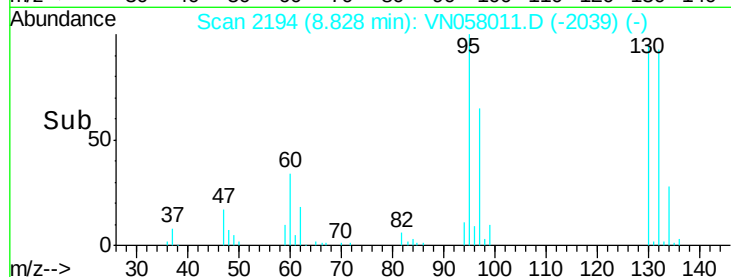
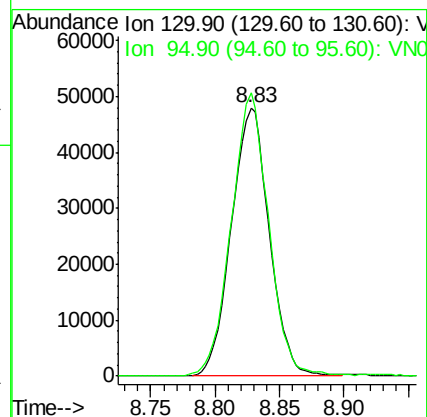
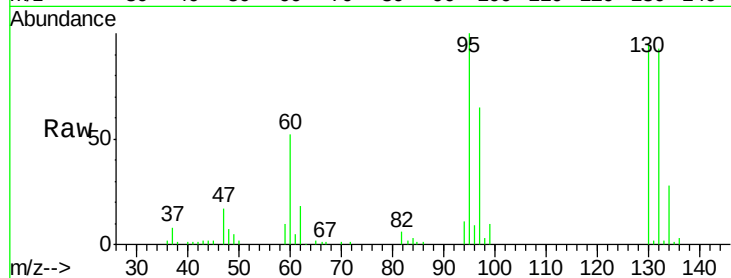
95 105.0 81.9 122.9

Manual Integrations

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#38

Methylcyclohexane

Concen: 19.659 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

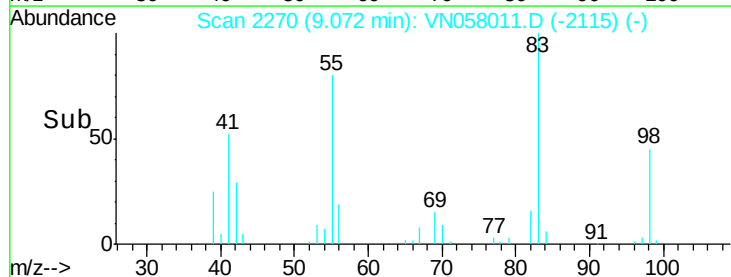
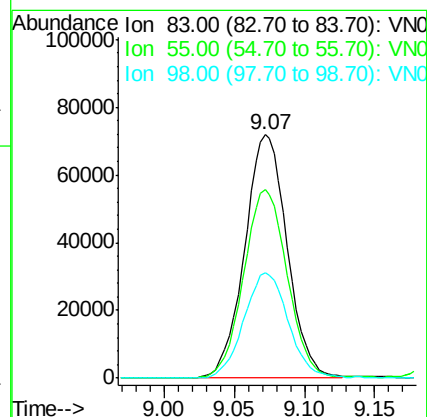
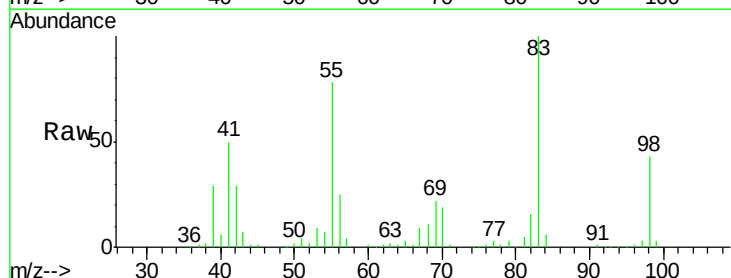
Tgt Ion: 83 Resp: 151676

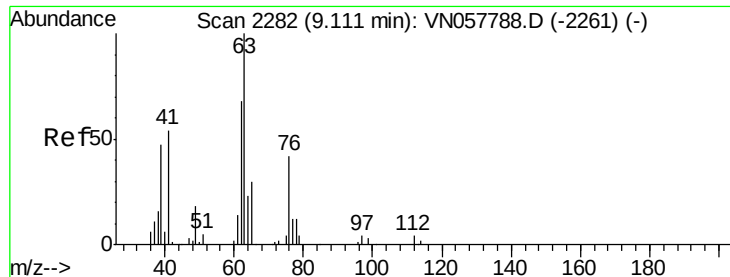
Ion Ratio Lower Upper

83 100

55 79.6 39.6 118.7

98 45.1 21.8 65.4





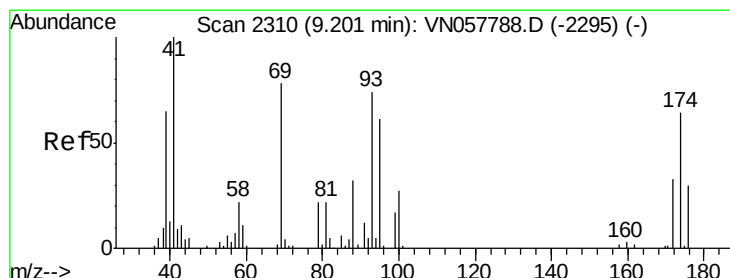
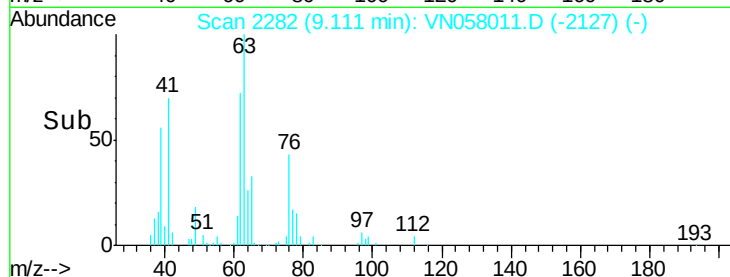
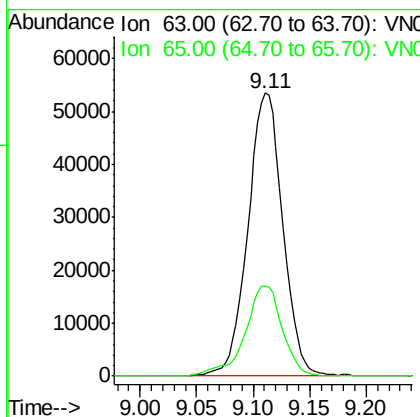
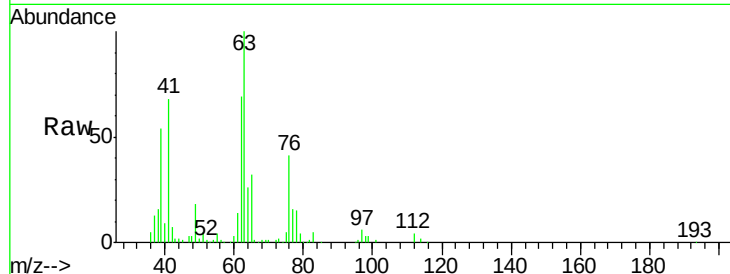
#39
 1,2-Dichloropropane
 Concen: 20.320 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion: 63 Resp: 114571
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.6 35.4

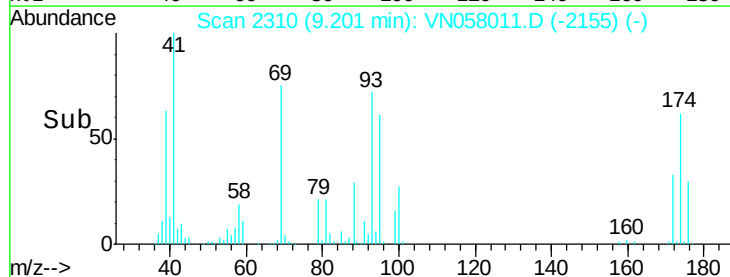
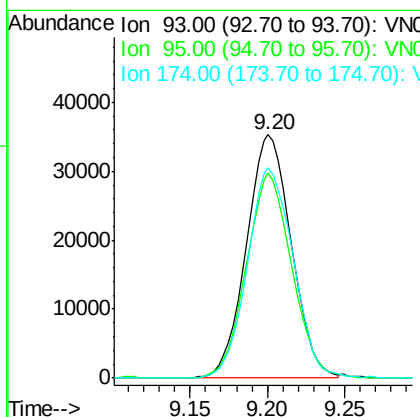
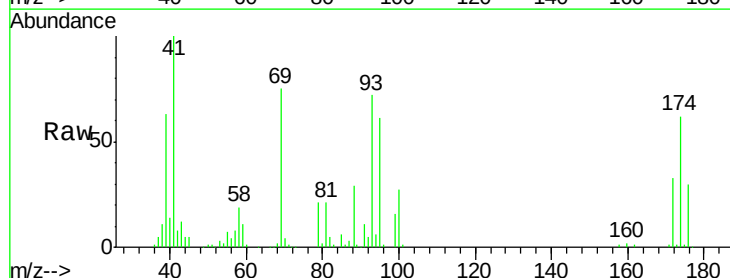
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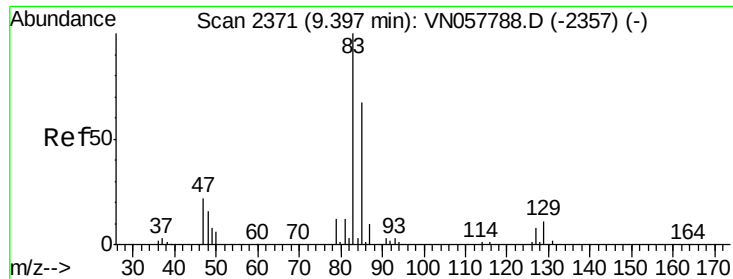
MMDadoda
 9/16/2019 2:49:30 PM



#40
 Dibromomethane
 Concen: 20.766 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion: 93 Resp: 71214
 Ion Ratio Lower Upper
 93 100
 95 85.1 0.0 163.0
 174 87.8 0.0 171.4





#41

Bromodichloromethane

Concen: 19.703 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

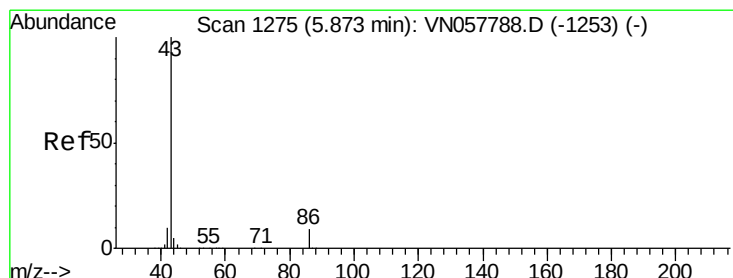
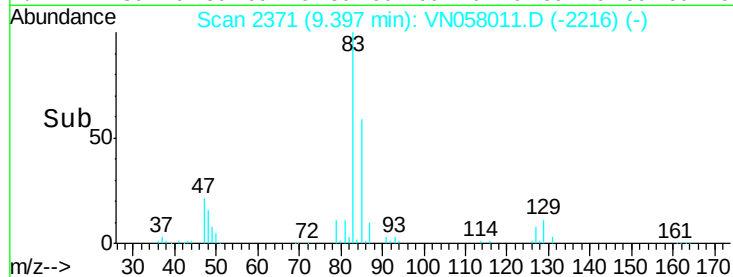
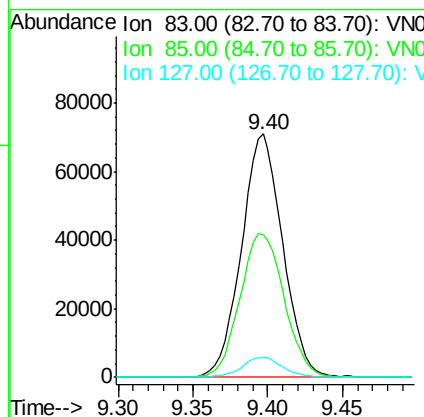
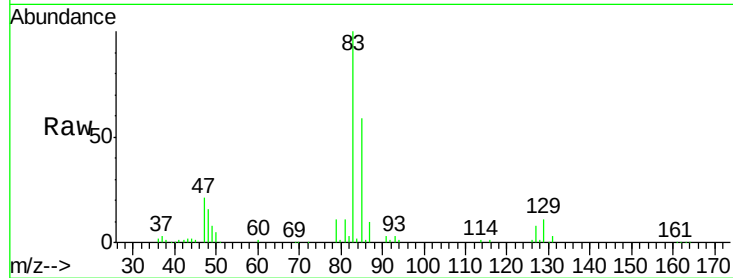
ClientSampleId :

VN0914WBSD01

Tot Ion:	83	Resp:	136218
Ion Ratio	Lower	Upper	
83	100		
85	58.8	53.4	80.0
127	8.1	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 106.110 ug/l

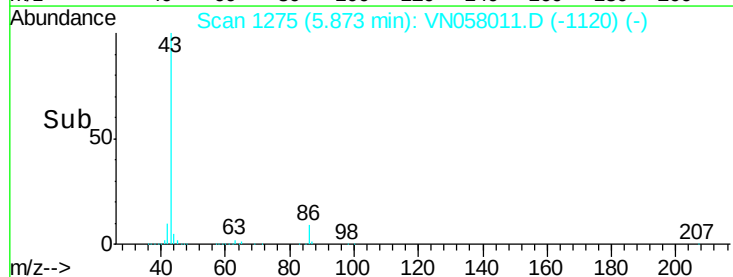
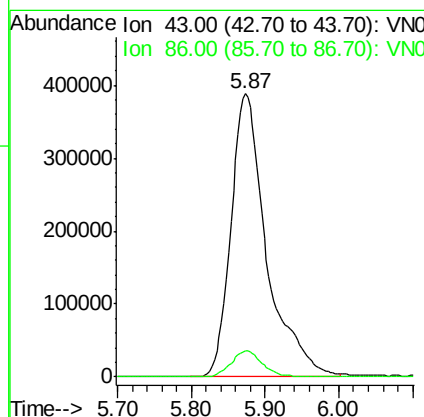
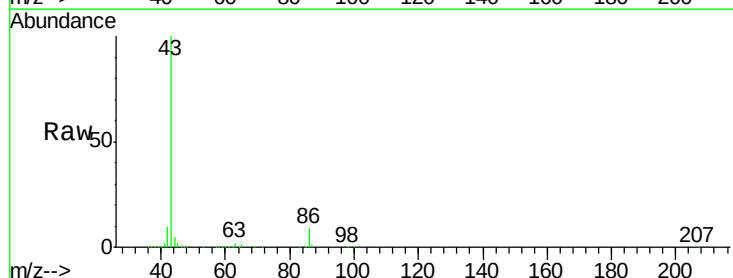
RT: 5.87 min Scan# 1275

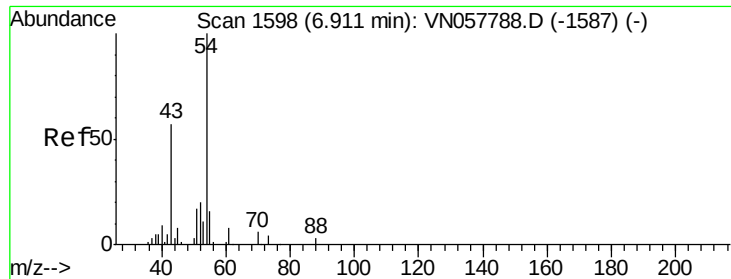
Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion:	43	Resp:	1302924
Ion Ratio	Lower	Upper	
43	100		
86	8.1	6.3	9.5





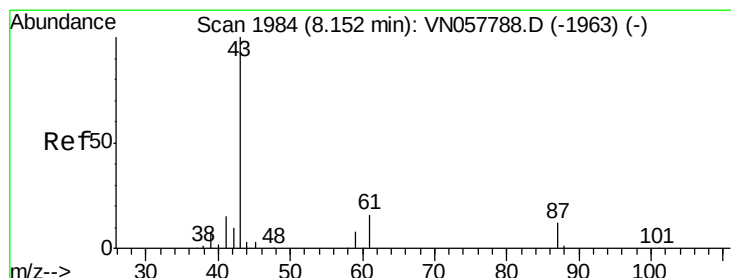
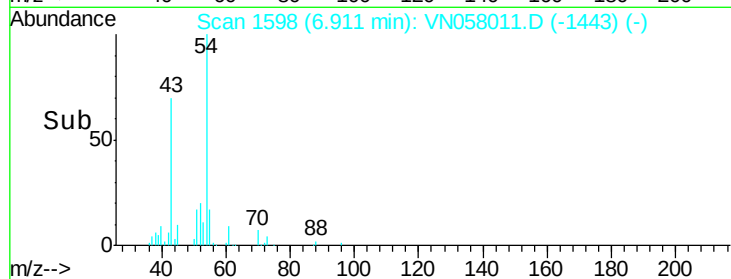
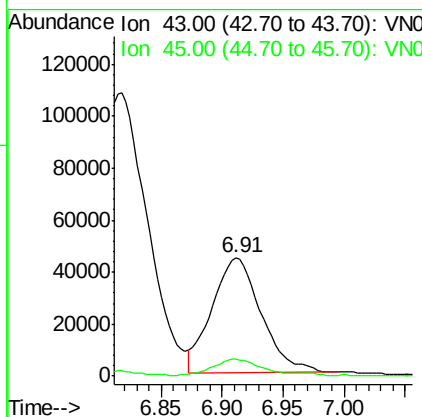
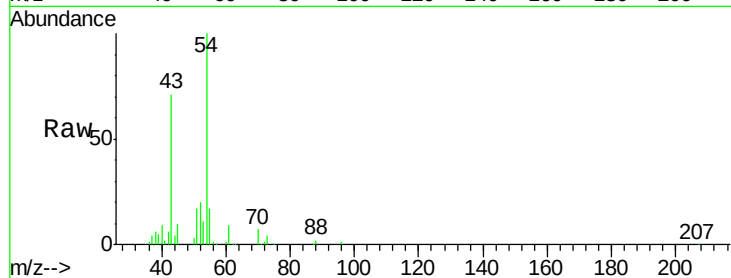
#43
Ethyl Acetate
Concen: 20.102 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	43	Ratio	Lower	Upper
125304	100			
45	14.0	5.4	8.0#	

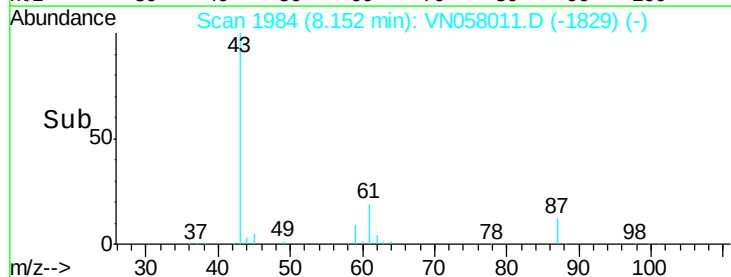
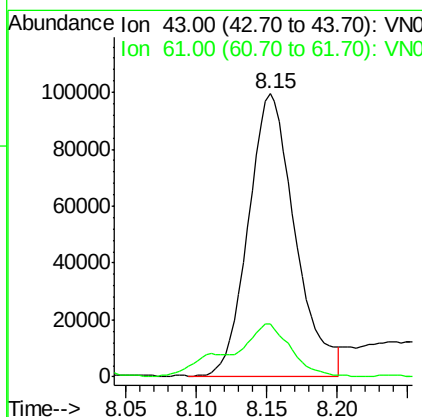
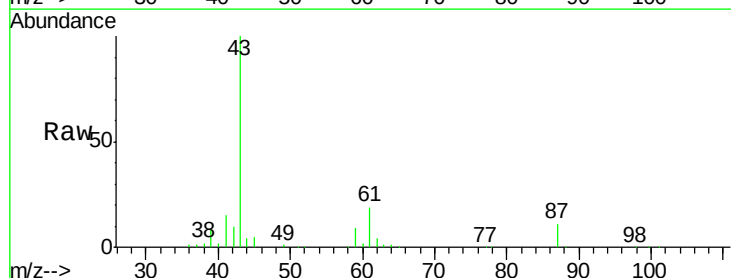
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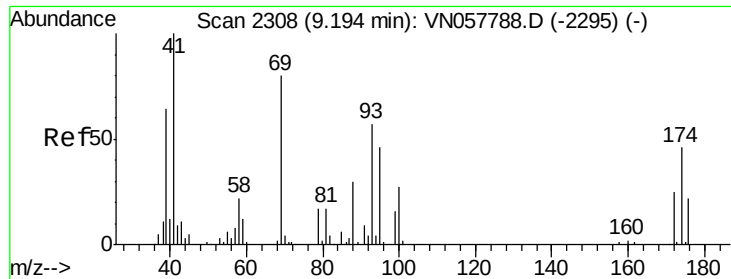
MMDadoda
9/16/2019 2:49:30 PM



#44
Isopropyl Acetate
Concen: 21.059 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	43	Ratio	Lower	Upper
228869	100			
61	17.0	0.1	0.1#	





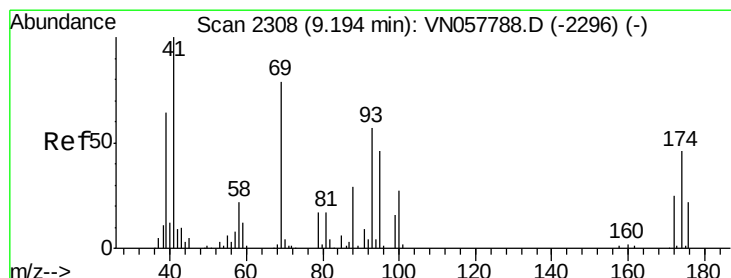
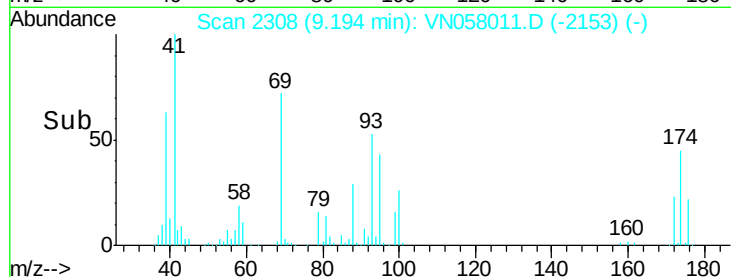
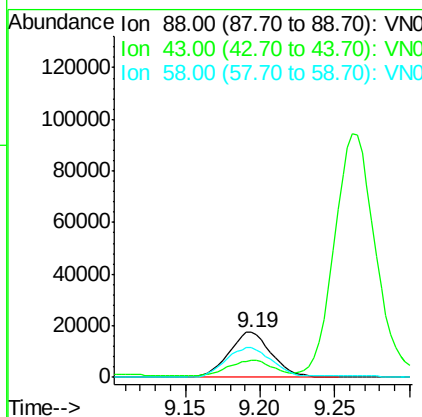
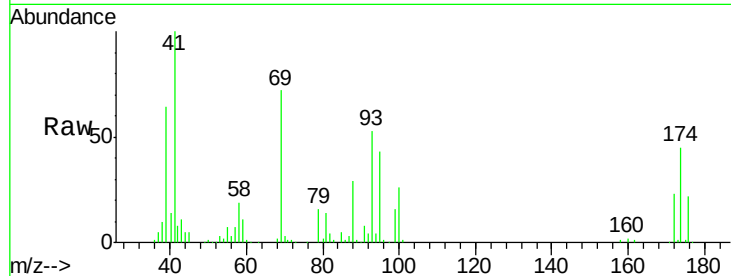
#45
 1,4-Dioxane
 Concen: 405.669 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.2	42.4
58	72.4	58.5	87.7

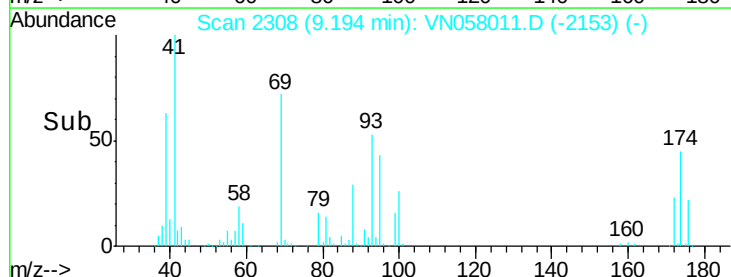
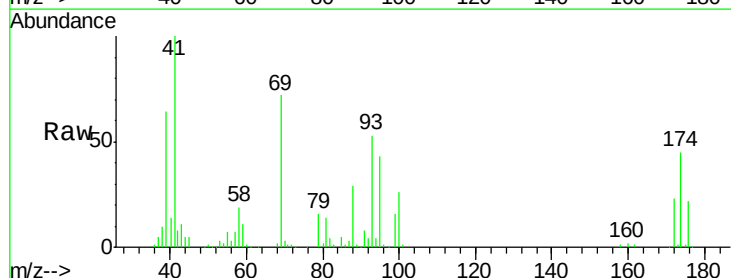
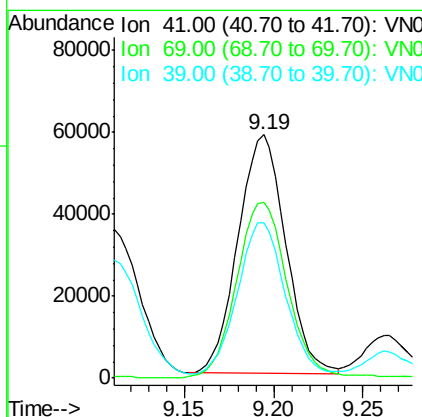
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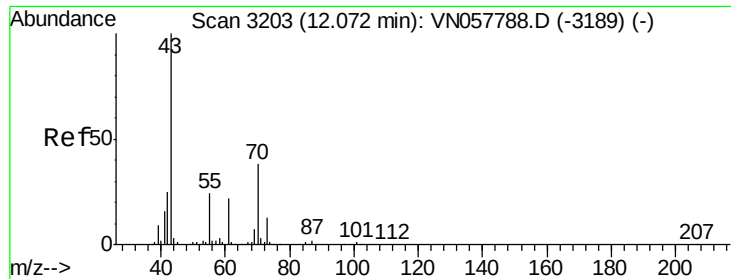
MMDadoda
 9/16/2019 2:49:30 PM



#46
 Methyl methacrylate
 Concen: 20.556 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.3	39.6	119.0
39	63.2	31.9	95.7





#47

n-amyl Acetate

Concen: 18.252 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 43 Resp: 182217

Ion Ratio Lower Upper

43 100

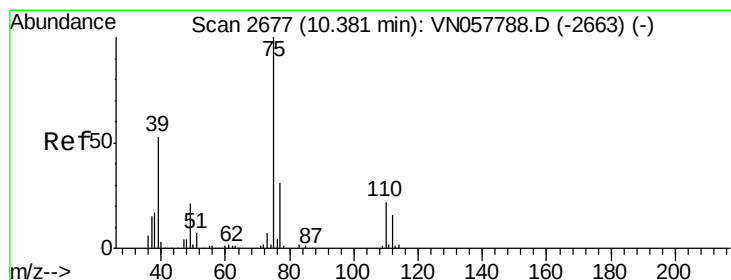
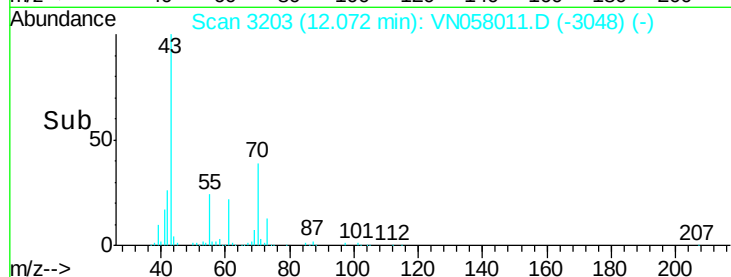
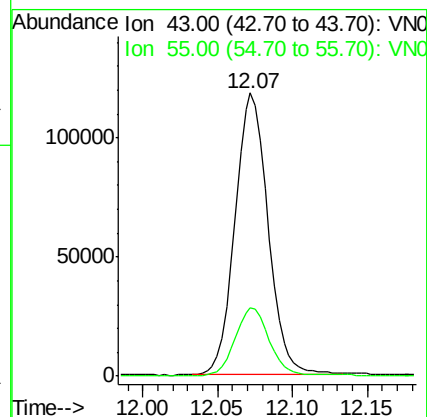
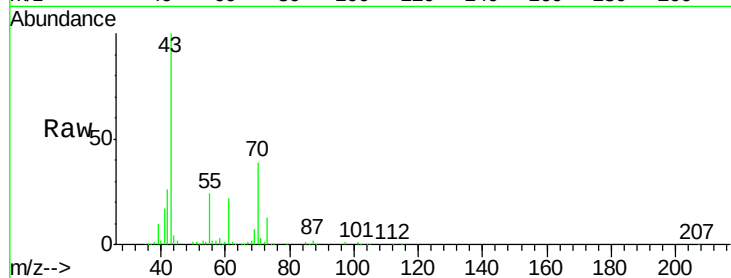
55 25.4 18.3 27.5

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.345 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN058011.D

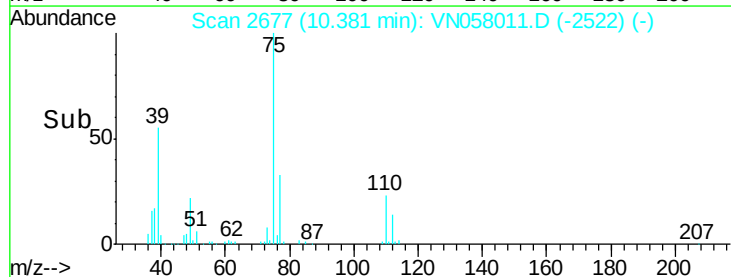
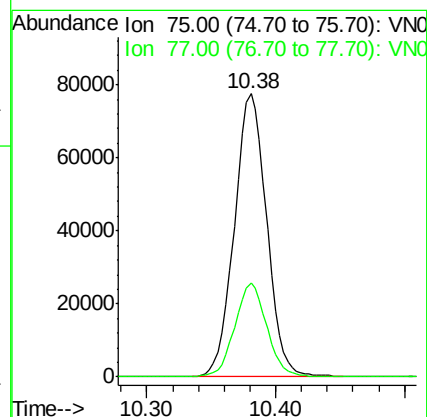
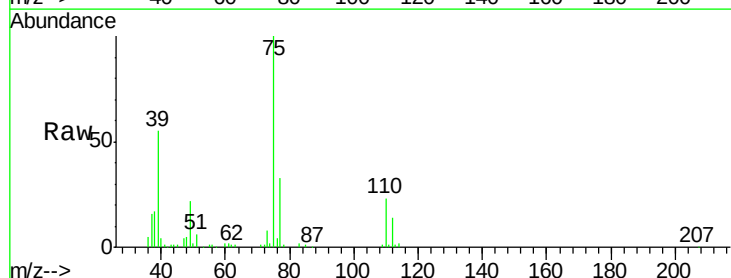
Acq: 13 Sep 2019 12:24

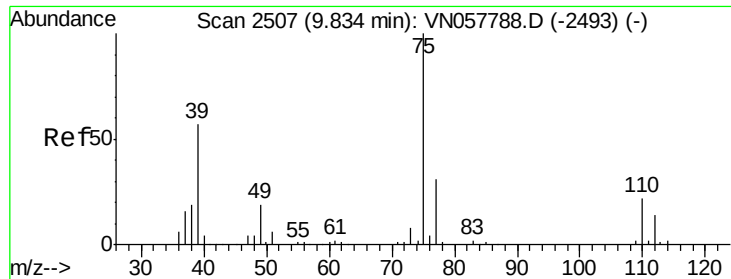
Tgt Ion: 75 Resp: 135028

Ion Ratio Lower Upper

75 100

77 33.0 24.9 37.3





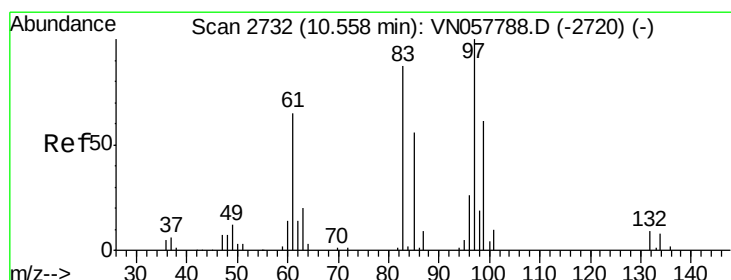
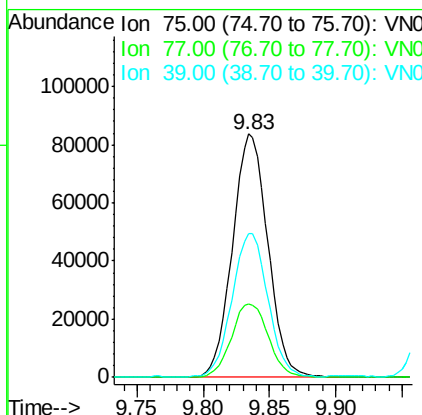
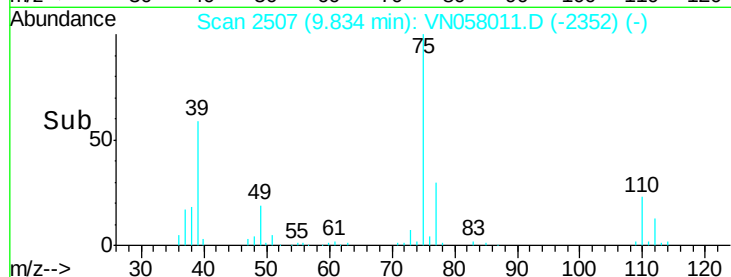
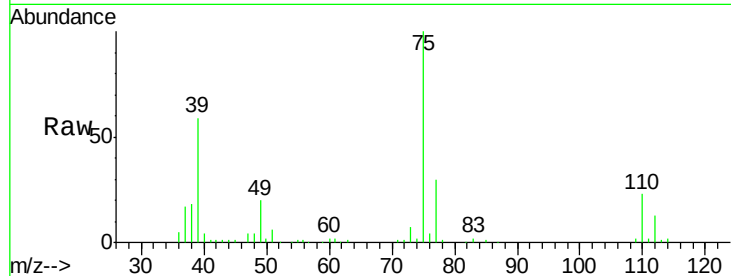
#49
 cis-1,3-Dichloropropene
 Concen: 18.746 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	30.2	24.6	36.8	
39	58.7	45.8	68.8	

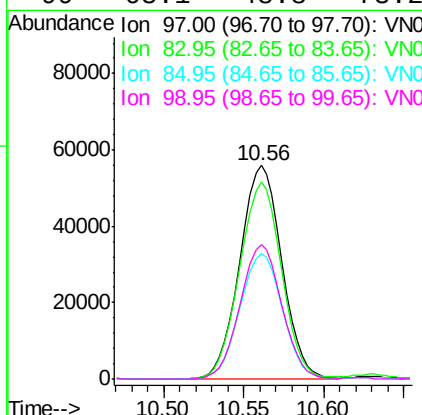
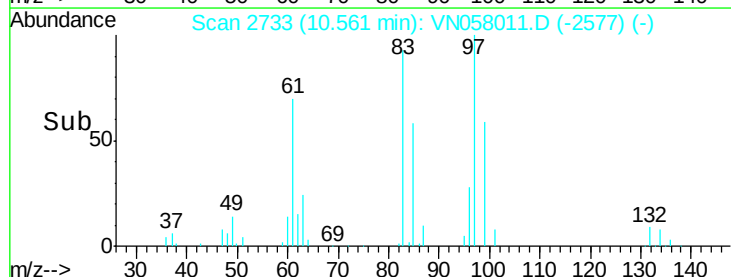
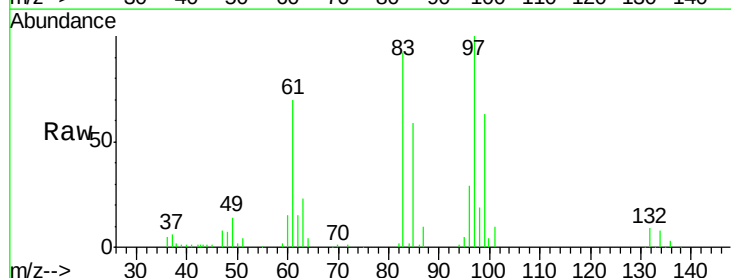
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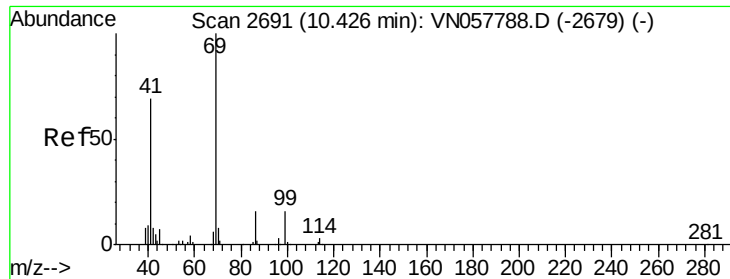
MMDadoda
 9/16/2019 2:49:30 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.182 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	92.3	69.4	104.2	
85	58.8	45.0	67.6	
99	63.1	48.8	73.2	





#51

Ethyl methacrylate

Concen: 19.128 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 69 Resp: 147528

Ion Ratio Lower Upper

69 100

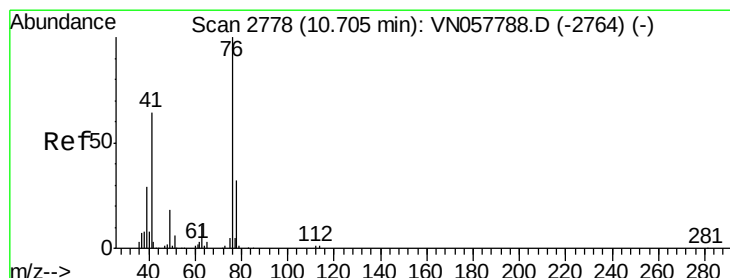
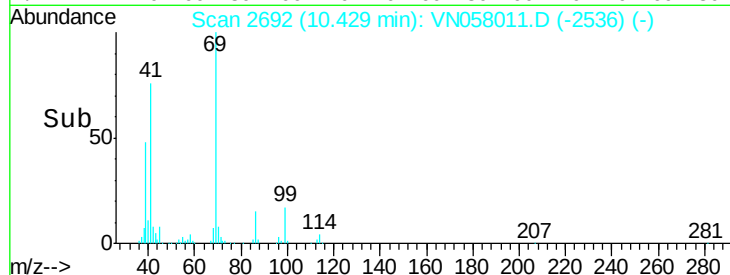
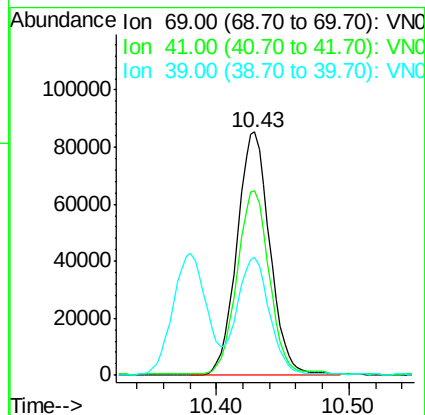
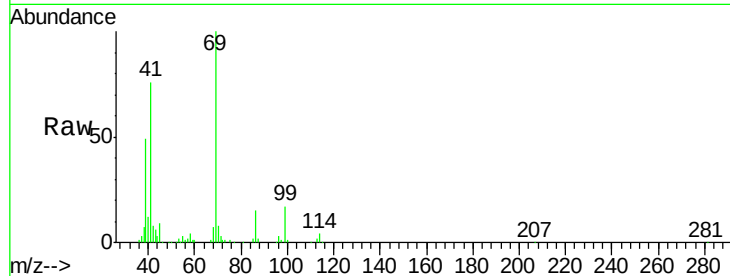
41 75.6 34.5 103.5

39 47.8 22.4 67.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.738 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058011.D

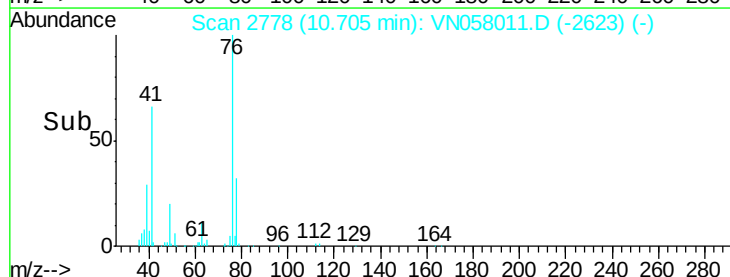
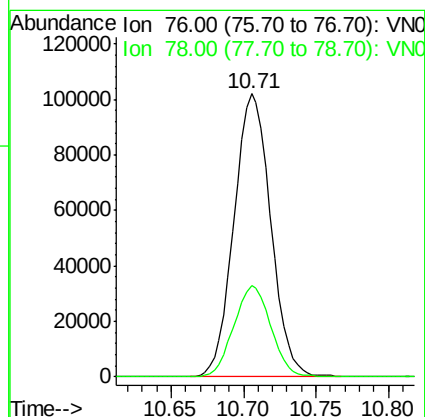
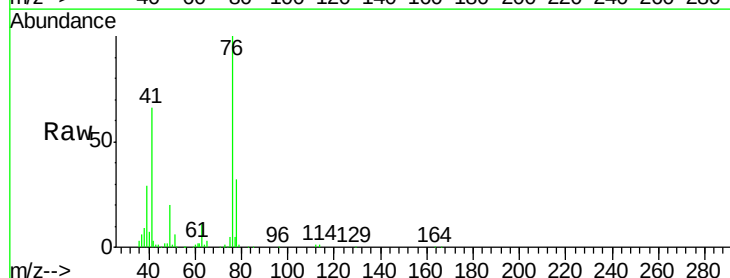
Acq: 13 Sep 2019 12:24

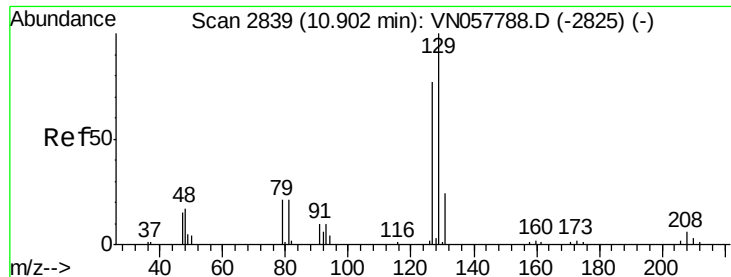
Tgt Ion: 76 Resp: 180400

Ion Ratio Lower Upper

76 100

78 32.4 0.0 63.8





#53

Dibromochloromethane

Concen: 18.251 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:129 Resp: 89659

Ion Ratio Lower Upper

129 100

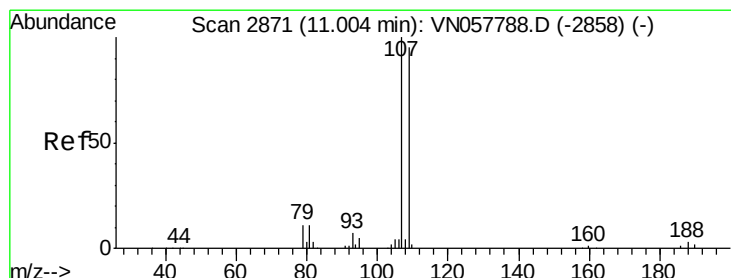
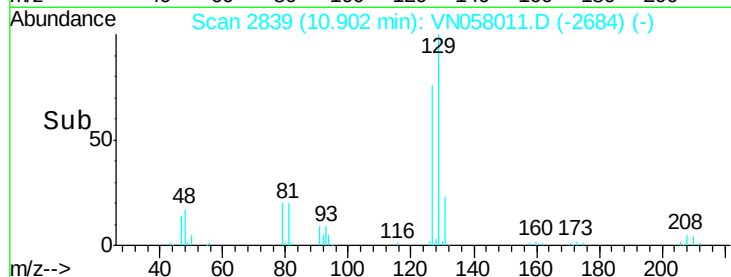
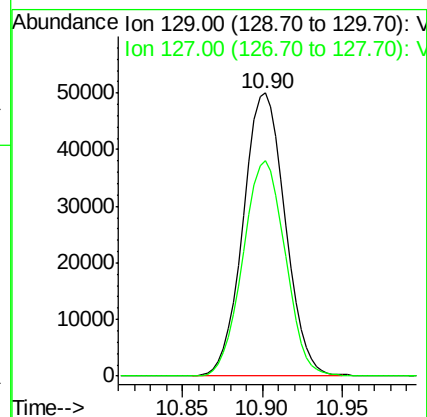
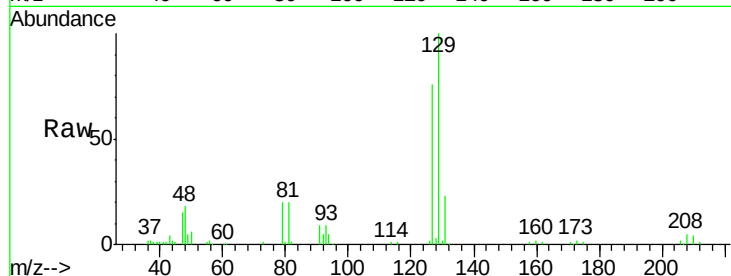
127 76.7 38.8 116.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.605 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058011.D

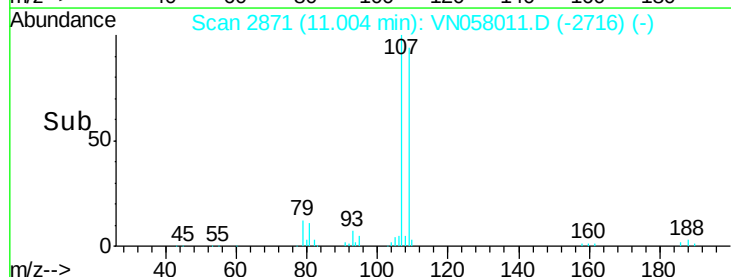
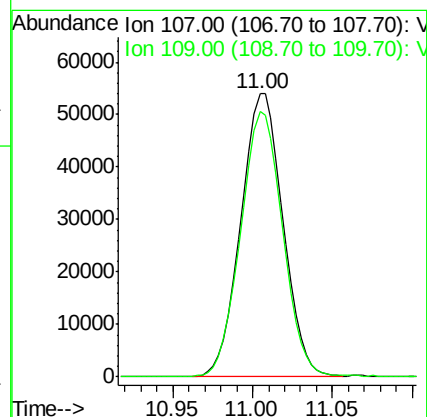
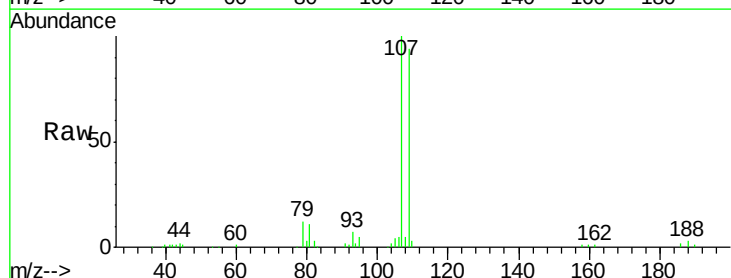
Acq: 13 Sep 2019 12:24

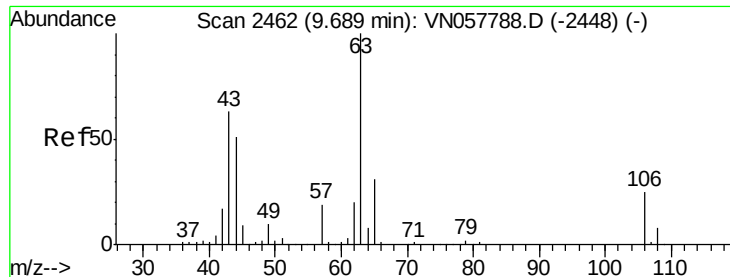
Tgt Ion:107 Resp: 97026

Ion Ratio Lower Upper

107 100

109 93.4 75.4 113.0





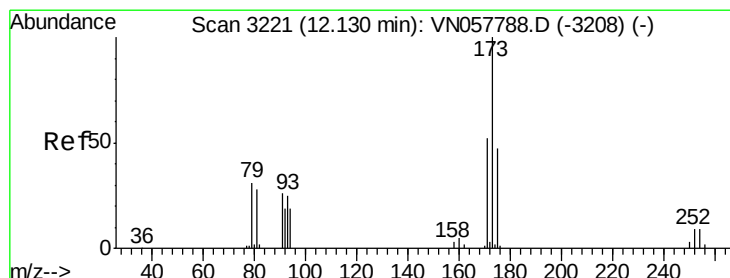
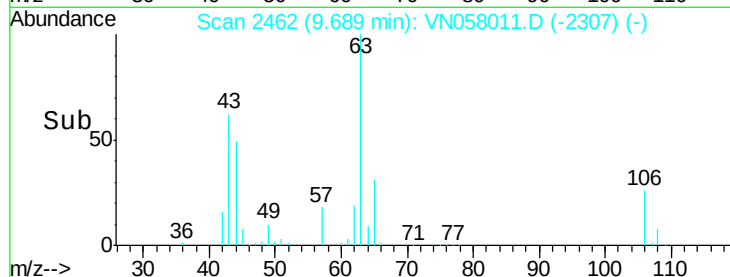
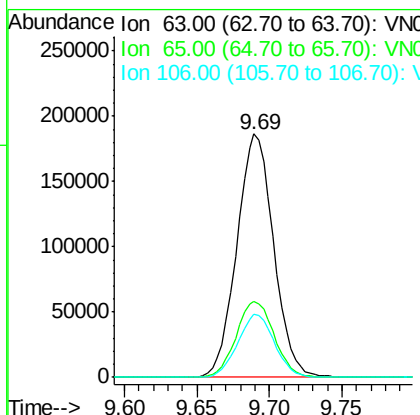
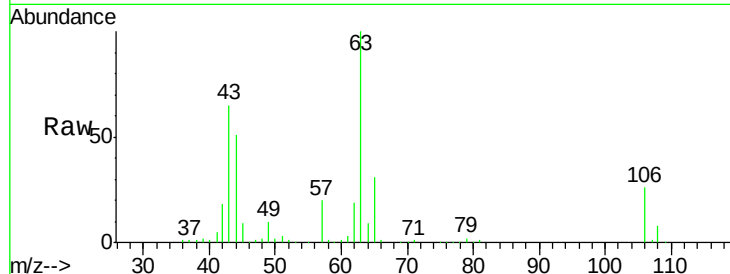
#55
2-Chloroethyl vinyl ether
Concen: 90.011 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	63	Resp	329882
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.0	37.6
106	25.8	19.8	29.8

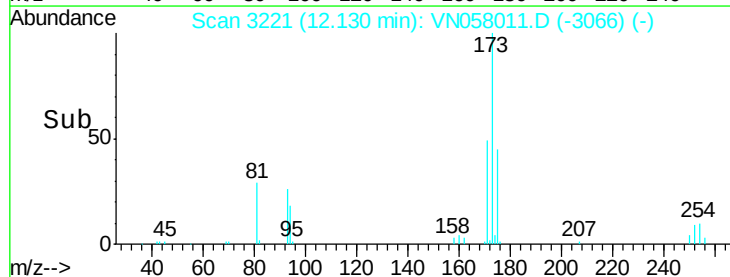
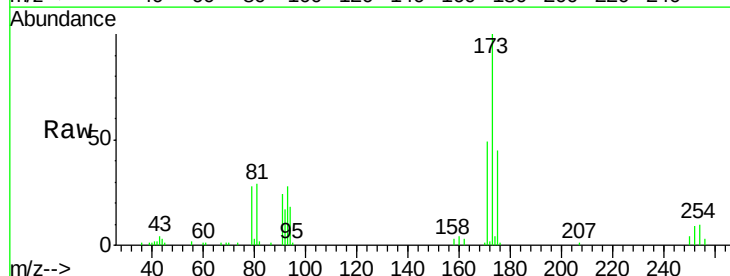
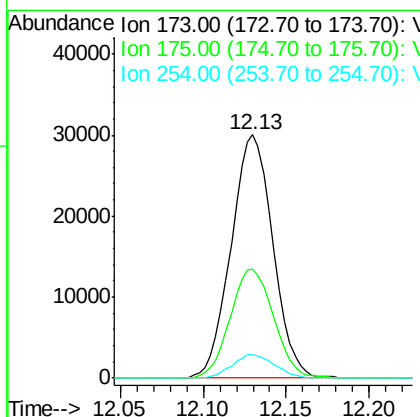
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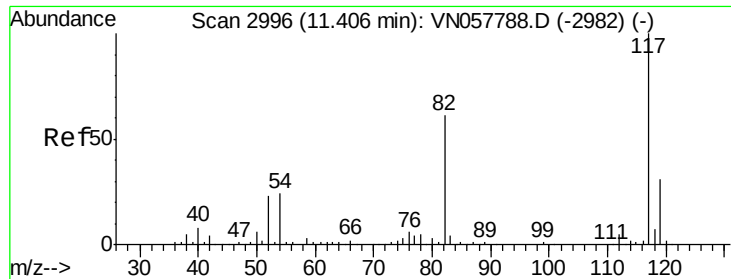
MMDadoda
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#56
Bromoform
Concen: 17.291 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	173	Resp	52622
Ion	Ratio	Lower	Upper
173	100		
175	46.6	38.4	57.6
254	9.8	6.9	10.3





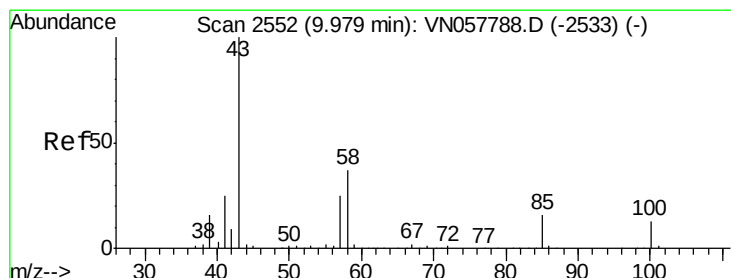
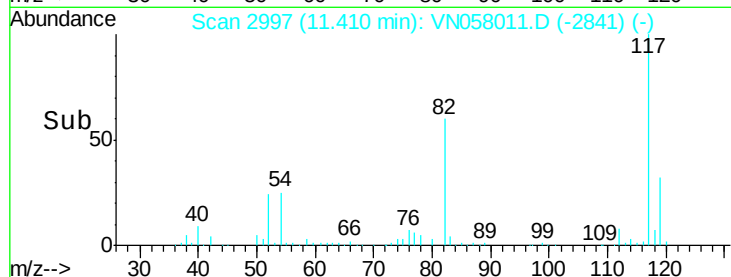
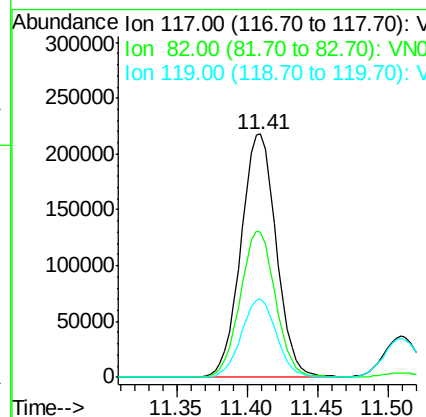
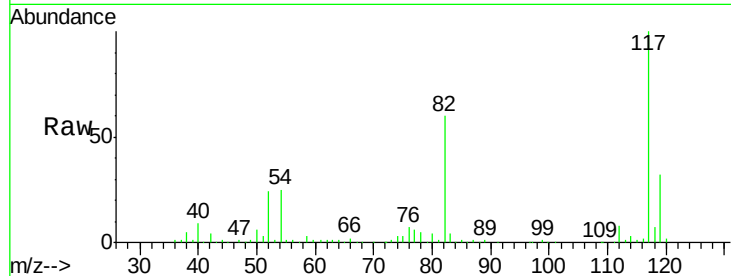
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.6	71.4
119	32.2	25.4	38.2

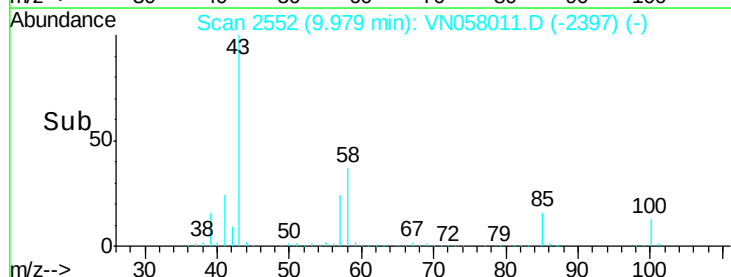
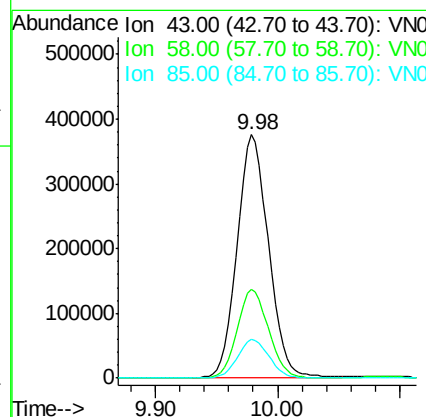
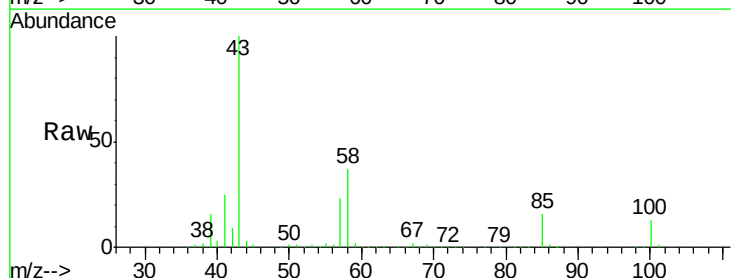
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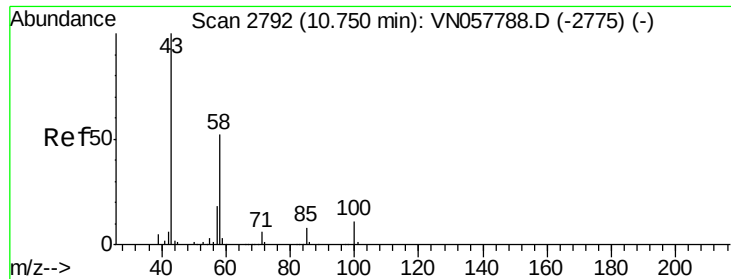
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 112.718 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.4	44.0
85	16.1	12.9	19.3





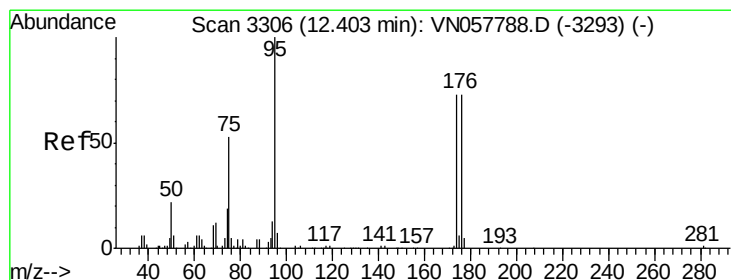
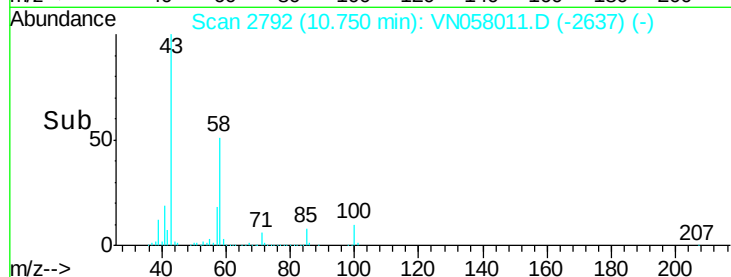
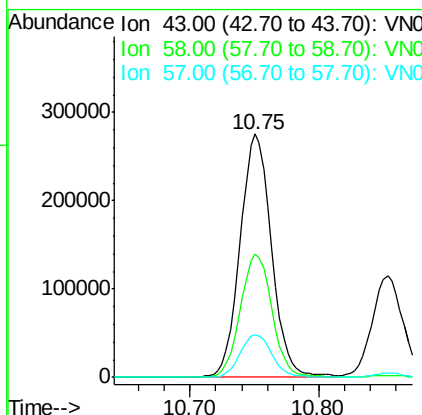
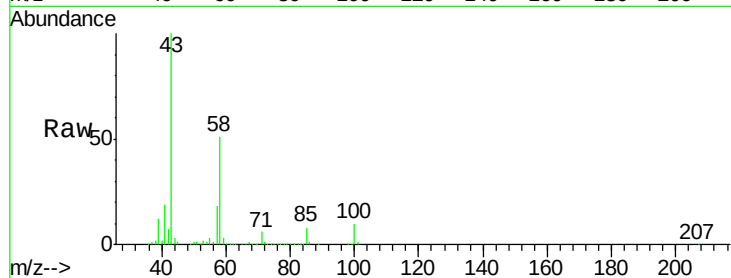
#59
2-Hexanone
Concen: 104.160 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	40.6	61.0
57	18.0	14.5	21.7

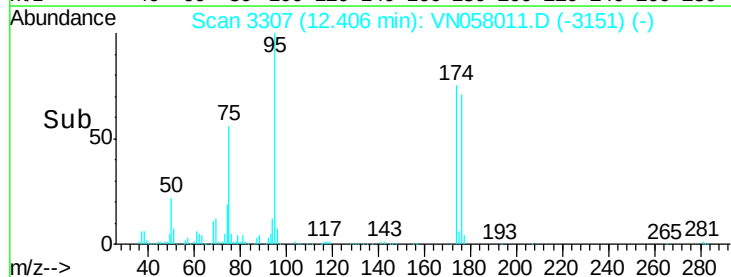
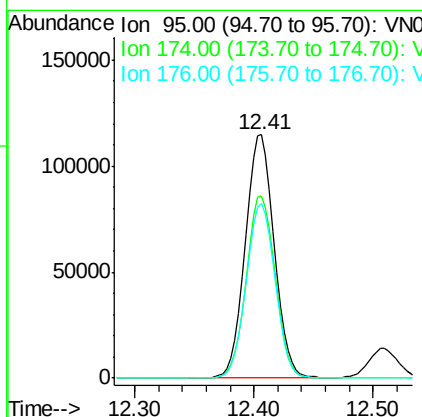
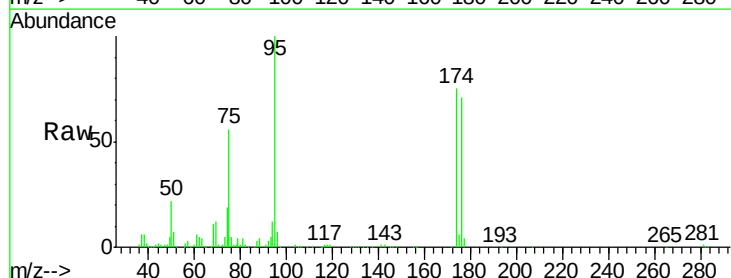
Manual Integrations
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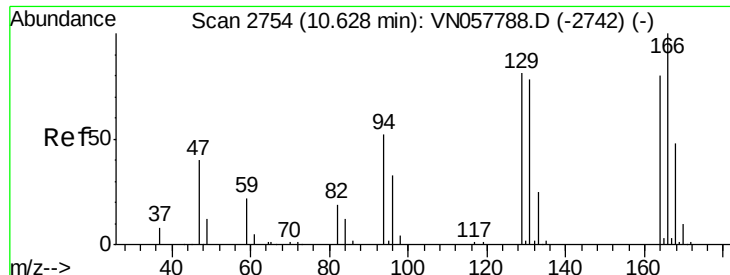
MMDadoda
9/16/2019 2:49:30 PM



#60
4-Bromofluorobenzene
Concen: 29.563 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	59.4	89.0
176	71.5	57.4	86.0





#61

Tetrachloroethene

Concen: 20.754 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:164 Resp: 80859

Ion Ratio Lower Upper

164 100

166 125.3 99.6 149.4

129 97.2 80.9 121.3

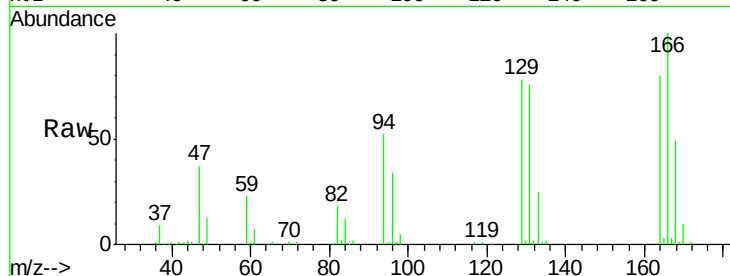
131 95.4 77.2 115.8

Manual Integrations

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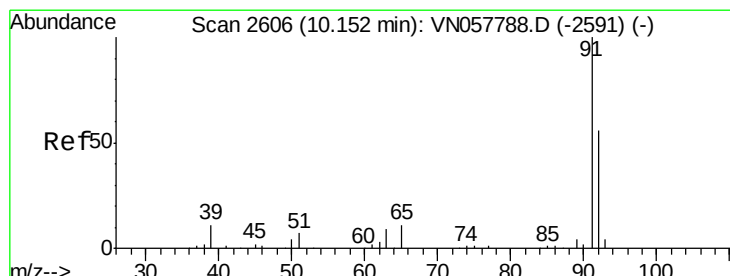
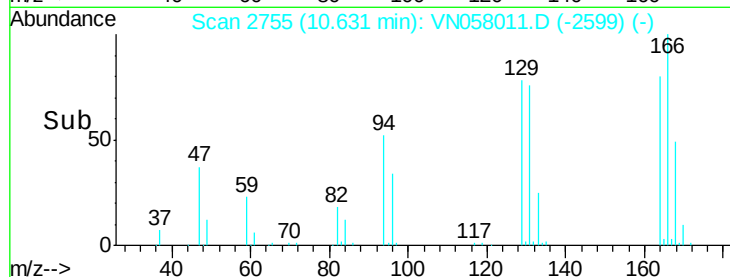
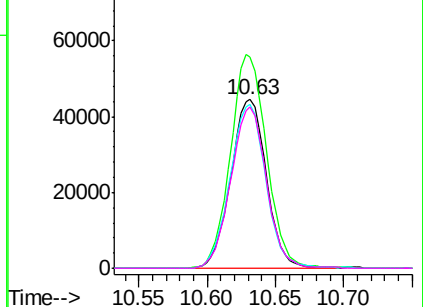


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.845 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN058011.D

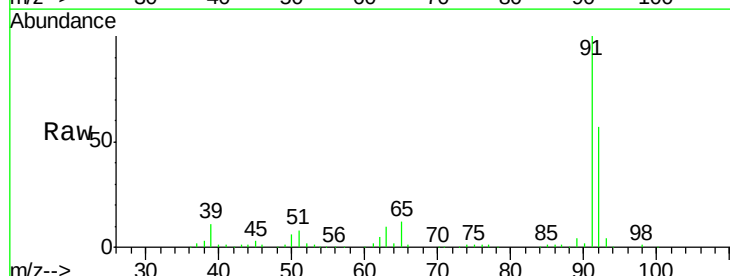
Acq: 13 Sep 2019 12:24

Tgt Ion: 91 Resp: 442298

Ion Ratio Lower Upper

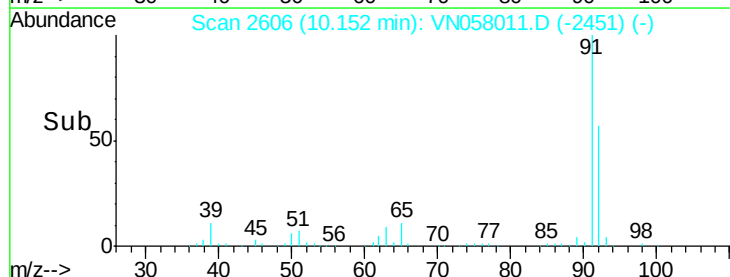
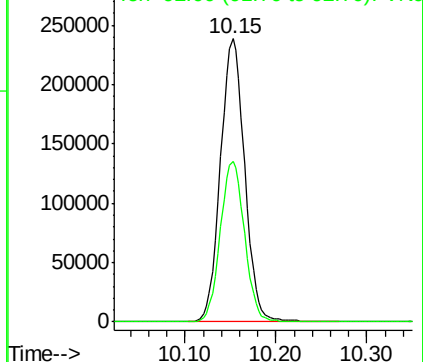
91 100

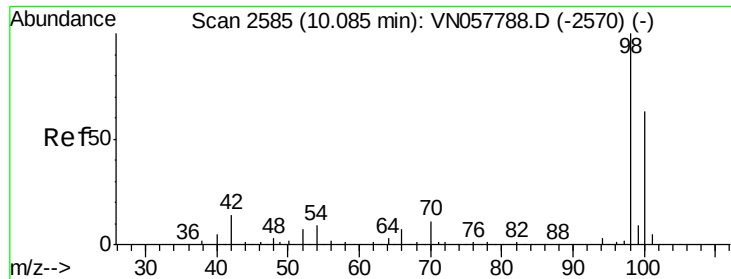
92 56.5 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





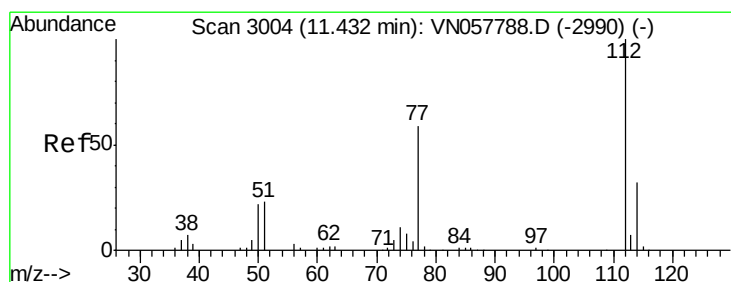
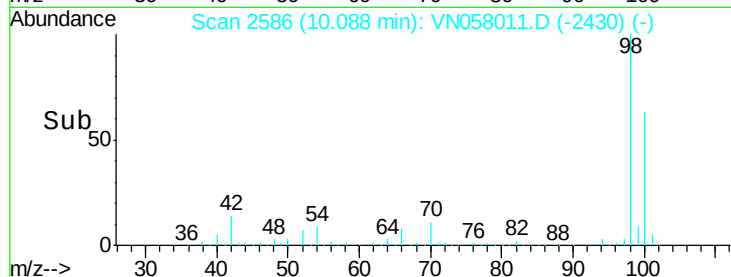
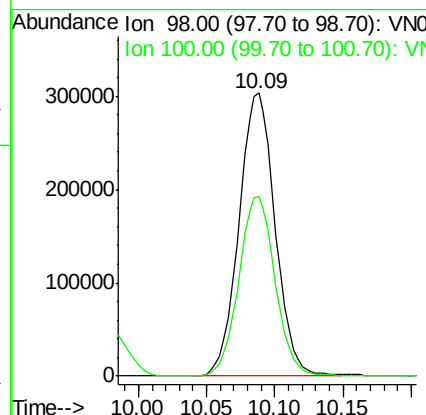
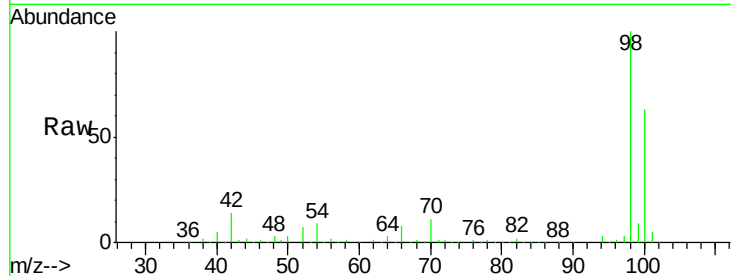
#63
Toluene-d8
Concen: 30.300 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 98 Resp: 557302
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5

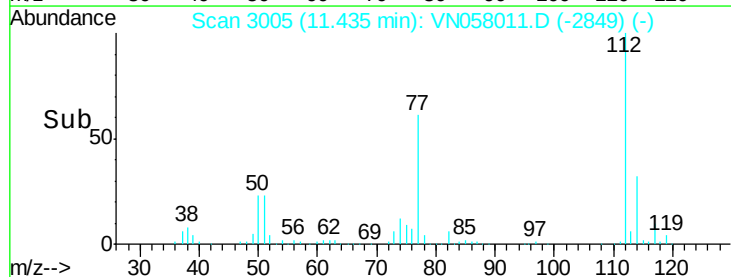
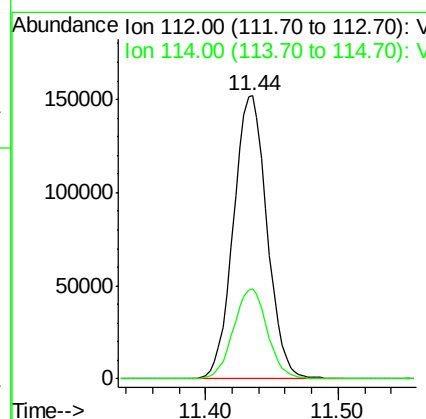
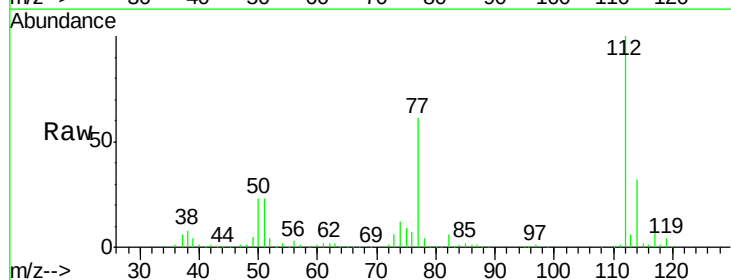
Manual Integrations
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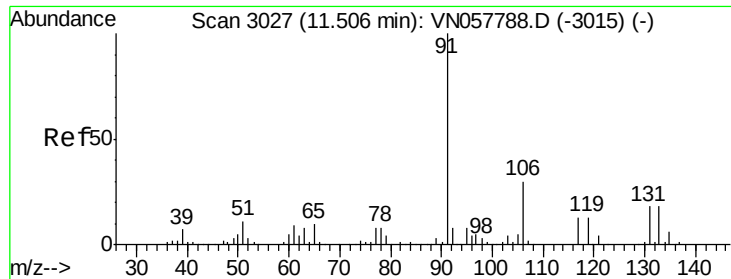
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#64
Chlorobenzene
Concen: 20.325 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion: 112 Resp: 267527
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.299 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

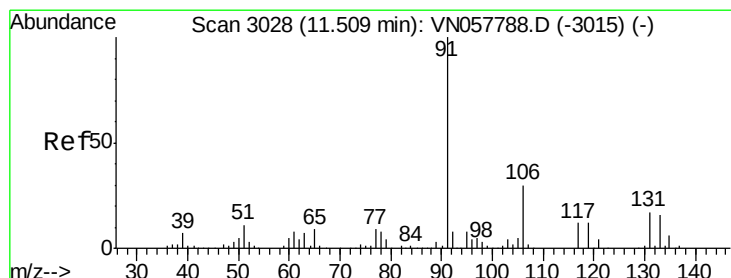
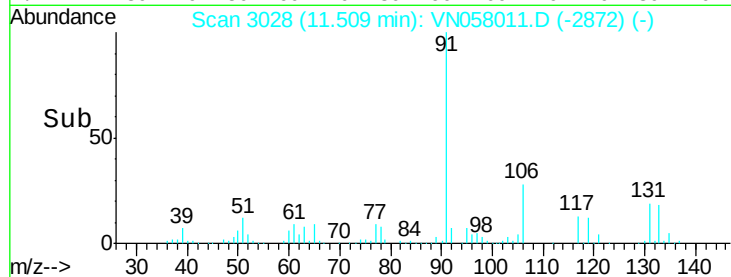
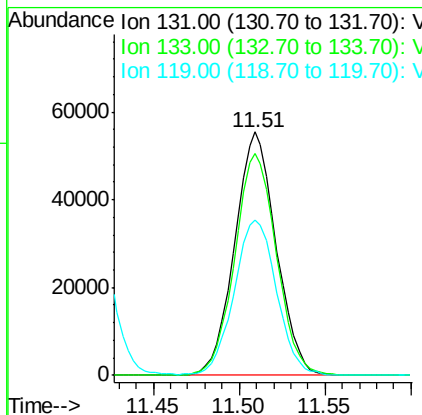
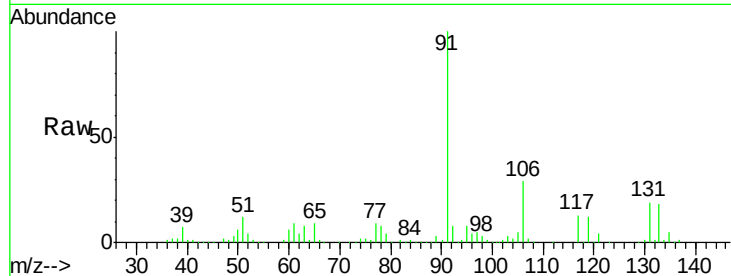
ClientSampleId :

VN0914WBSD01

Tot Ion:131 Resp: 92770
 Ion Ratio Lower Upper
 131 100
 133 92.0 0.0 189.2
 119 64.5 0.0 136.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.146 ug/l

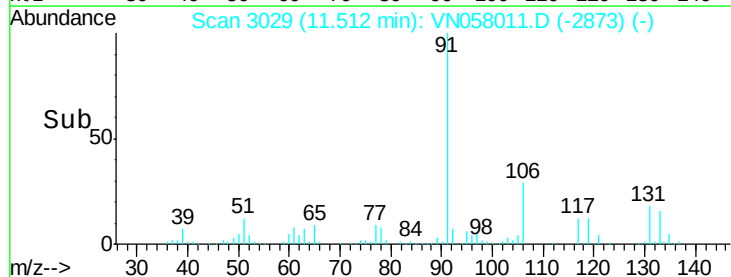
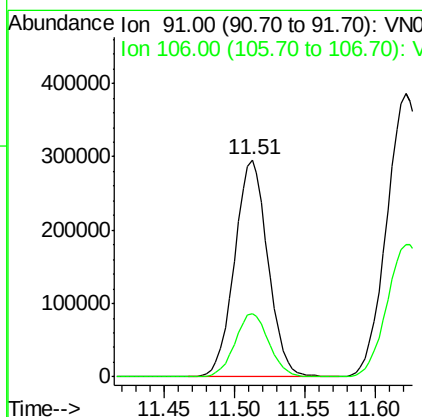
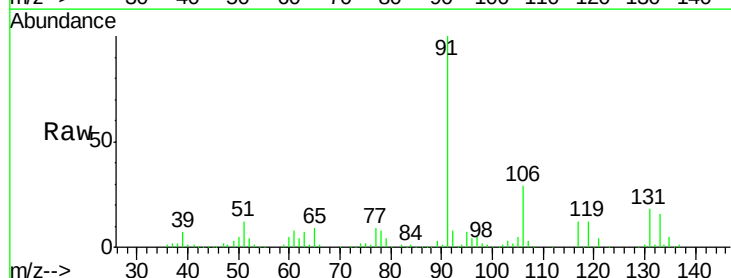
RT: 11.51 min Scan# 3029

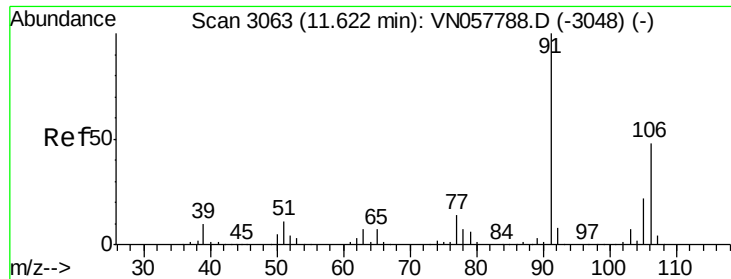
Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion: 91 Resp: 489685
 Ion Ratio Lower Upper
 91 100
 106 29.3 24.0 36.0





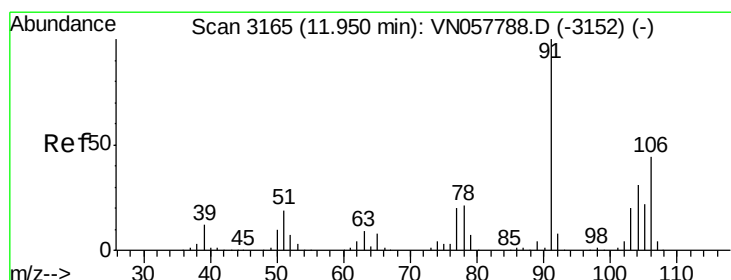
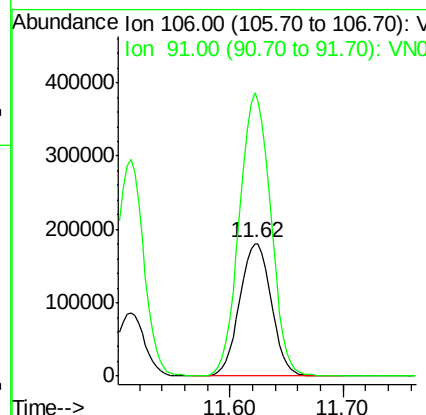
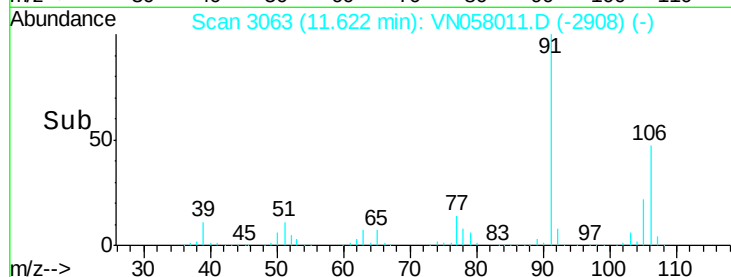
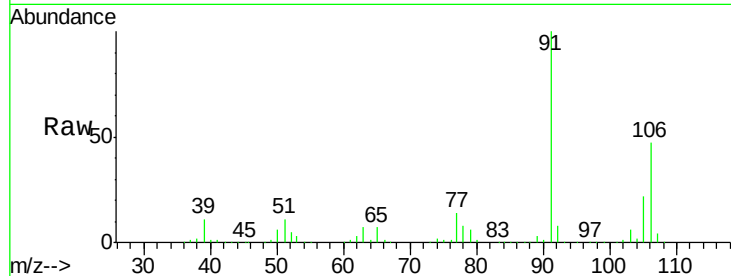
#67
m/p-Xylenes
Concen: 39.929 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion:106 Resp: 352919
Ion Ratio Lower Upper
106 100
91 211.4 166.1 249.1

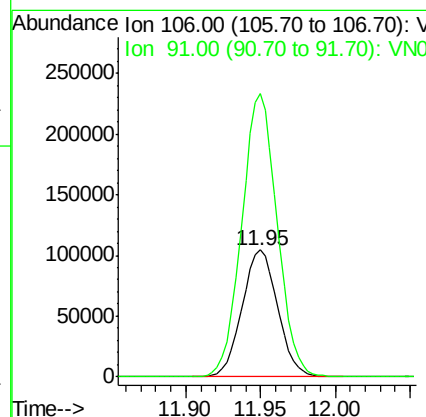
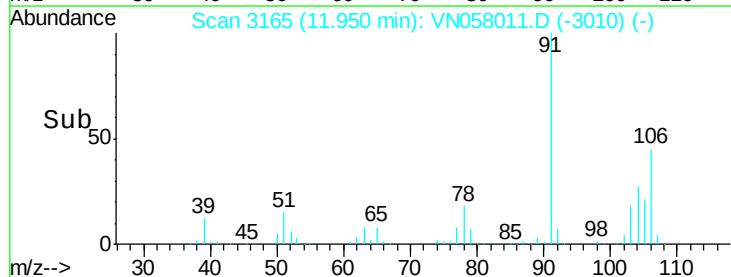
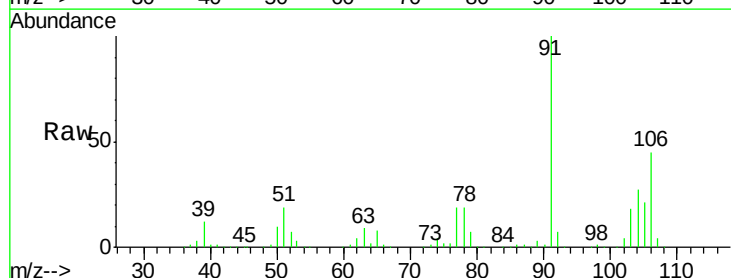
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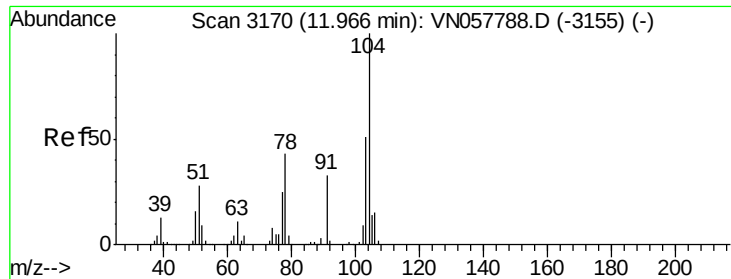
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#68
o-Xylene
Concen: 19.964 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion:106 Resp: 172871
Ion Ratio Lower Upper
106 100
91 221.8 111.5 334.4





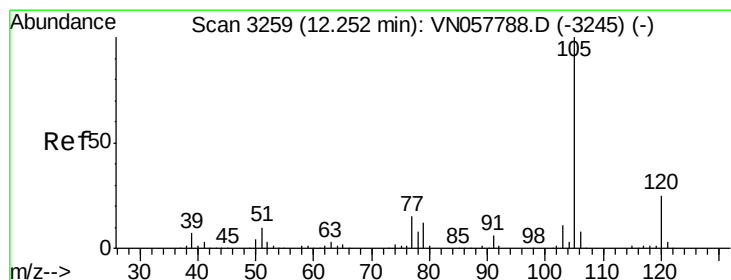
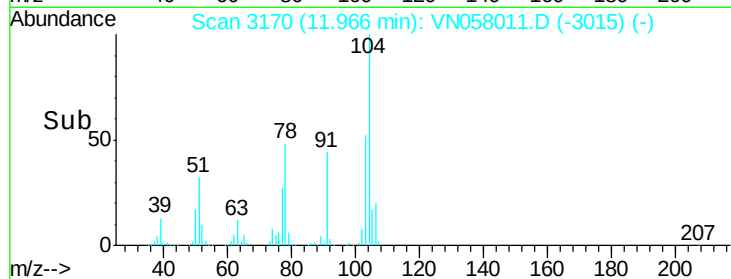
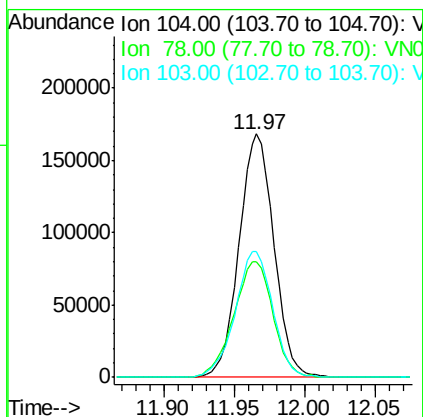
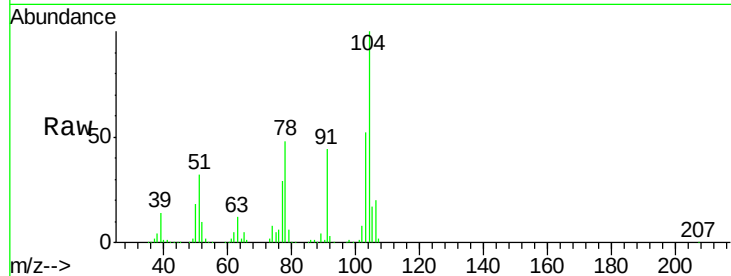
#69
Stvrene
Concen: 19.757 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	291687		
78	53.5		41.5	62.3
103	55.5		44.8	67.2

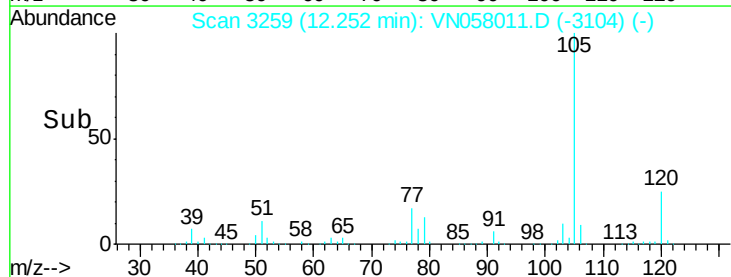
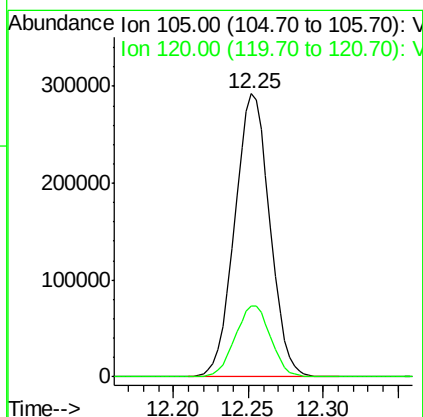
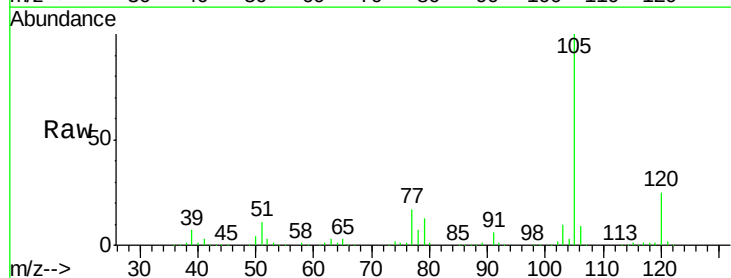
Manual Integrations
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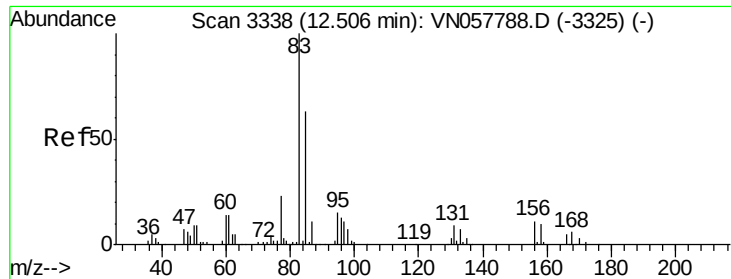
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#70
Isopropylbenzene
Concen: 20.808 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	476327		
120	25.5		17.6	32.6





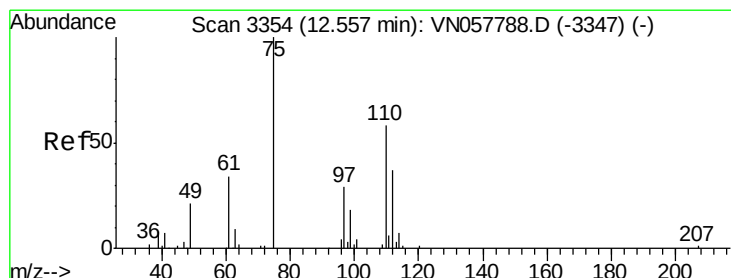
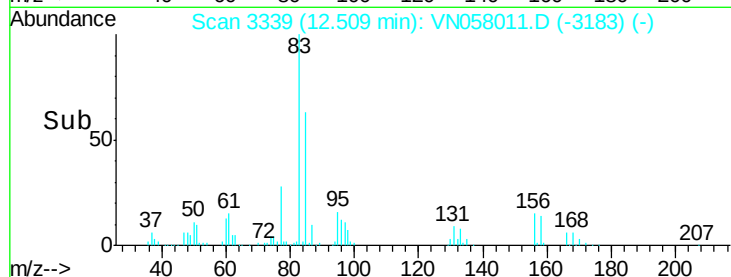
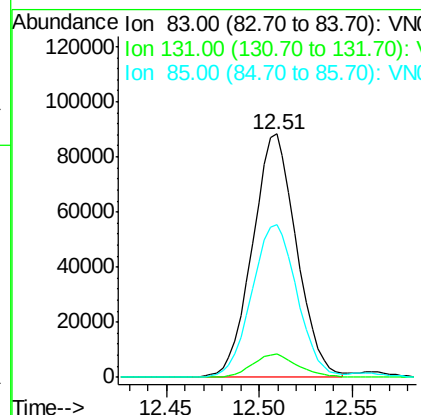
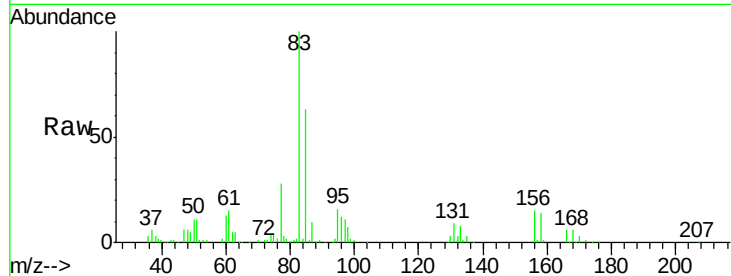
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.374 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	83	Resp	145763
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	64.3	32.1	96.3

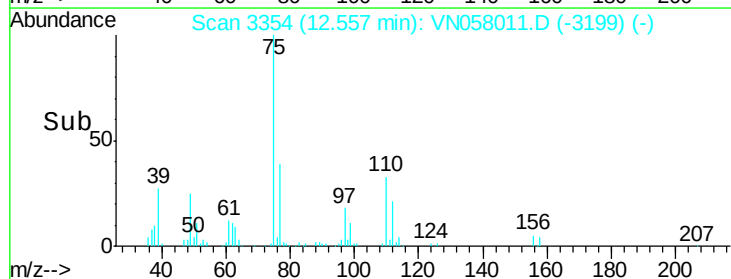
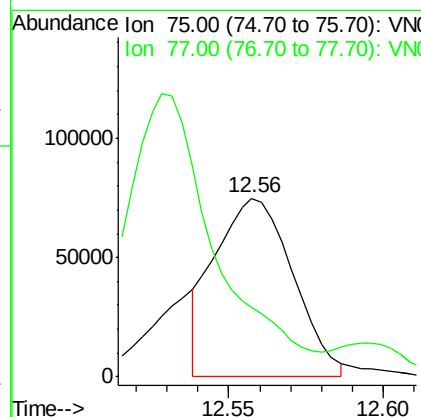
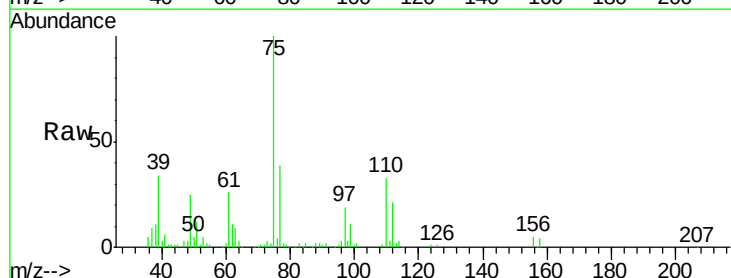
Manual Integrations
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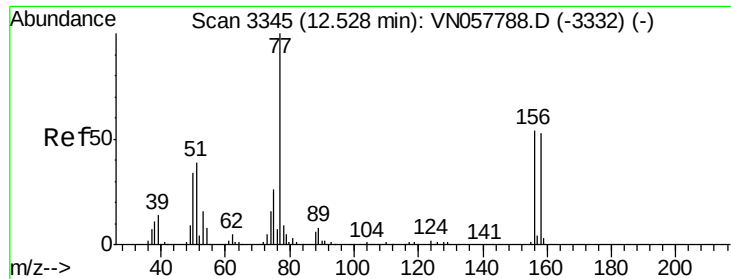
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#72
 1,2,3-Trichloropropane
 Concen: 20.755 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	75	Resp	131795
Ion Ratio	100	Lower	Upper
75	100		
77	183.8	0.0	351.6





#73

Bromobenzene

Concen: 20.091 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

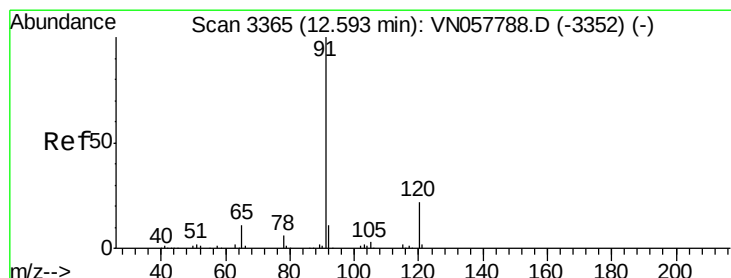
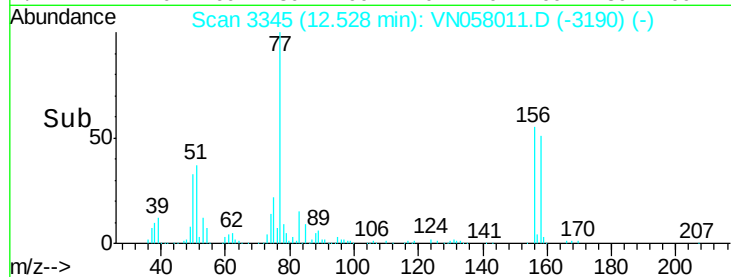
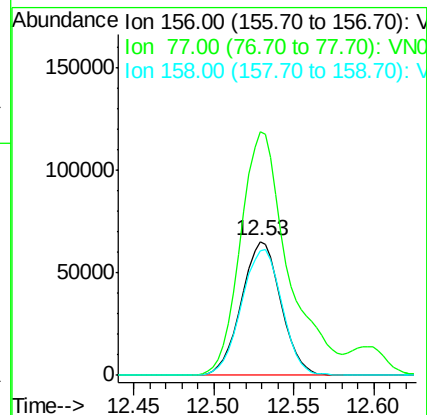
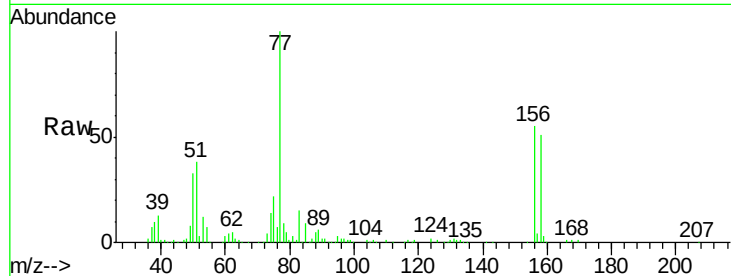
ClientSampleId :

VN0914WBSD01

Tot Ion:	156	Resp:	110111
Ion Ratio	Lower	Upper	
156	100		
77	220.0	0.0	446.6
158	96.4	0.0	197.2

Manual Integrations
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#74

n-propylbenzene

Concen: 21.306 ug/l

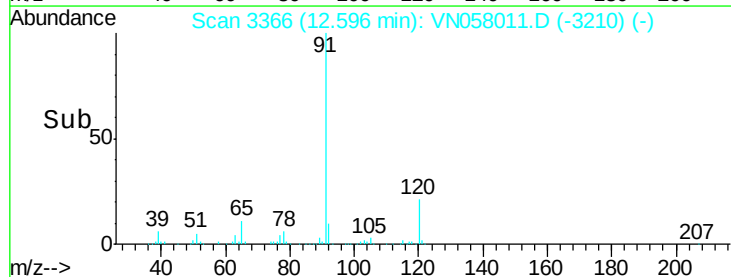
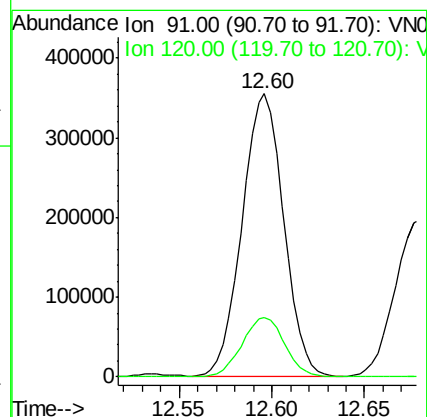
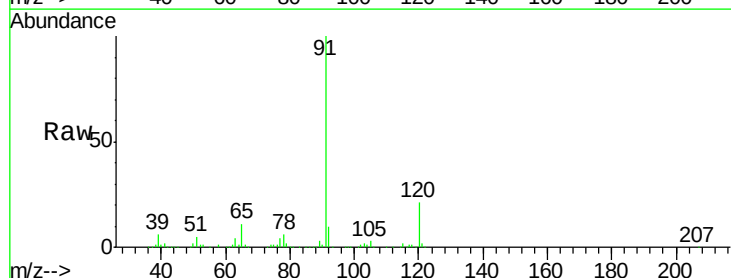
RT: 12.60 min Scan# 3366

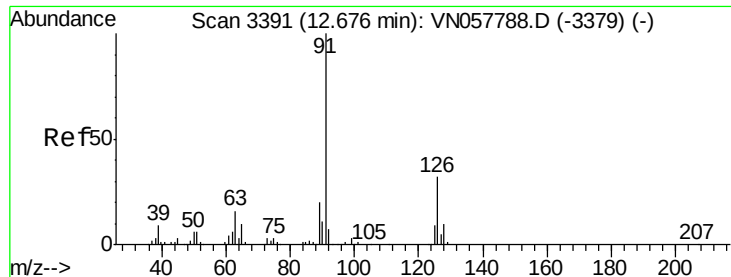
Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion:	91	Resp:	557235
Ion Ratio	Lower	Upper	
91	100		
120	21.5	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.188 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

Tot Ion: 91 Resp: 328868

Ion Ratio Lower Upper

91 100

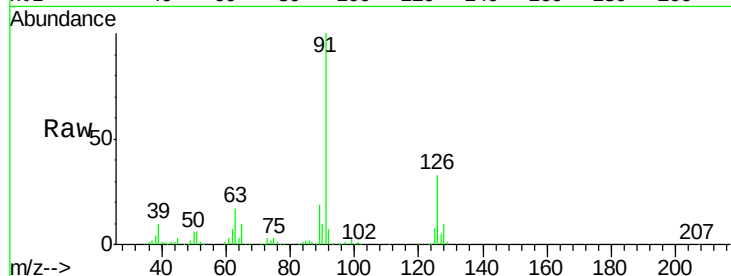
126 32.5 0.0 64.8

Manual Integrations

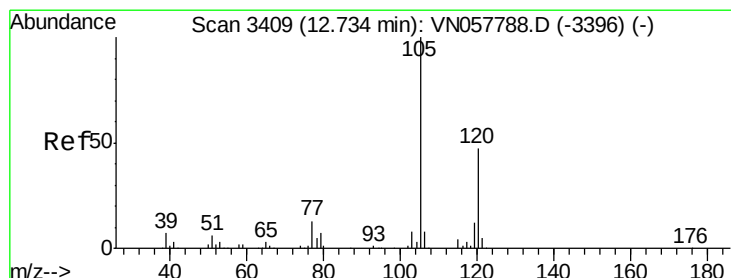
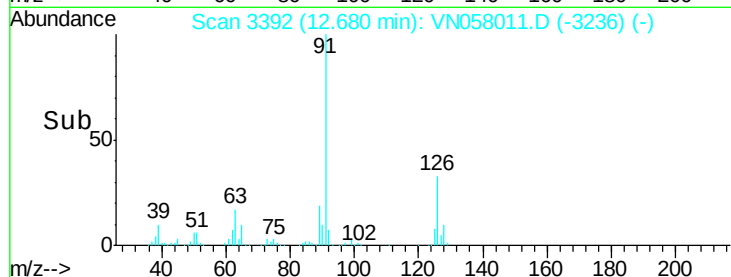
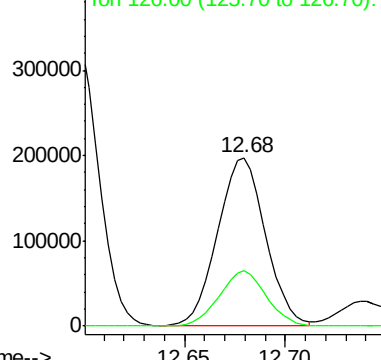
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Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.817 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058011.D

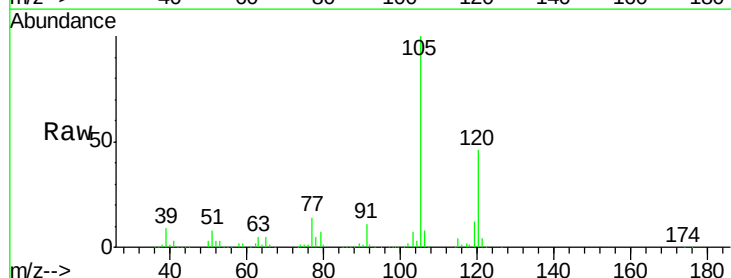
Acq: 13 Sep 2019 12:24

Tgt Ion: 105 Resp: 405798

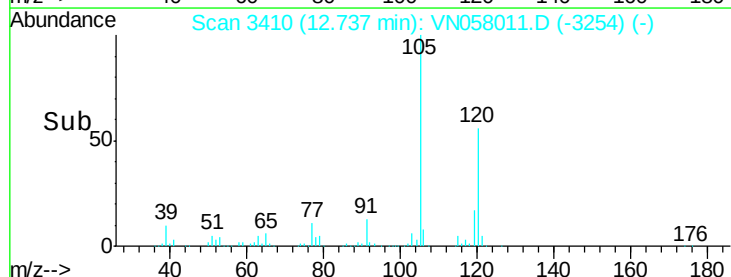
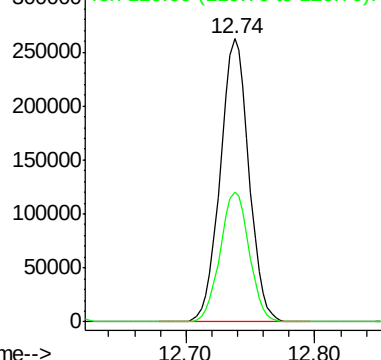
Ion Ratio Lower Upper

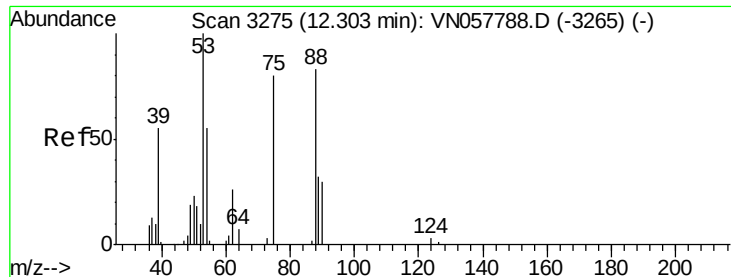
105 100

120 46.8 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.544 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

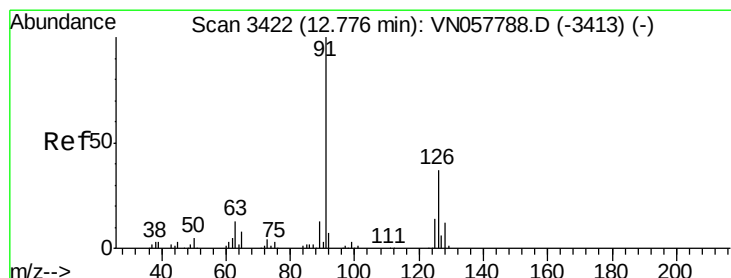
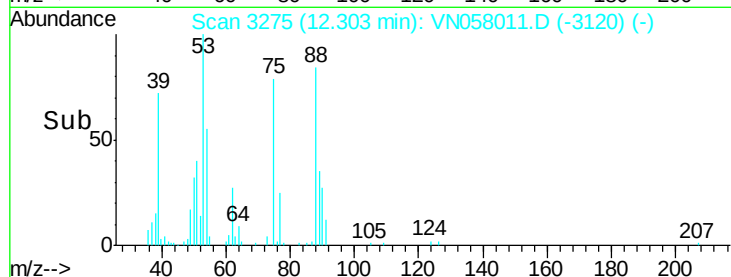
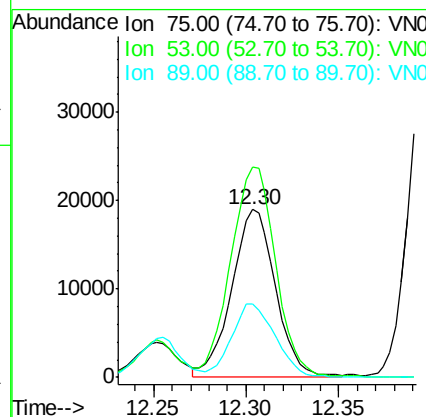
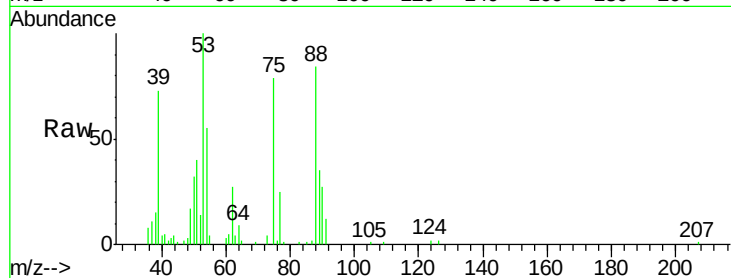
ClientSampleId :

VN0914WBSD01

Tot Ion:	75	Resp:	31167
Ion Ratio	Lower	Upper	
75	100		
53	126.4	62.7	188.2
89	44.6	22.8	68.3

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#78

4-Chlorotoluene

Concen: 19.863 ug/l

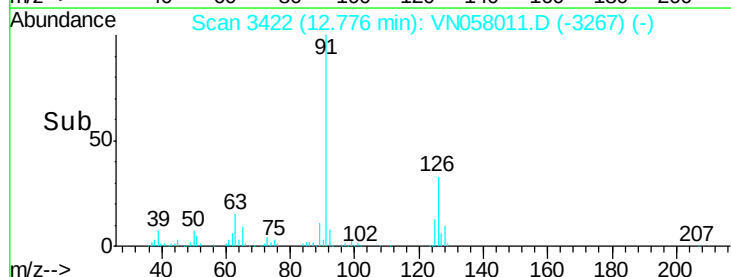
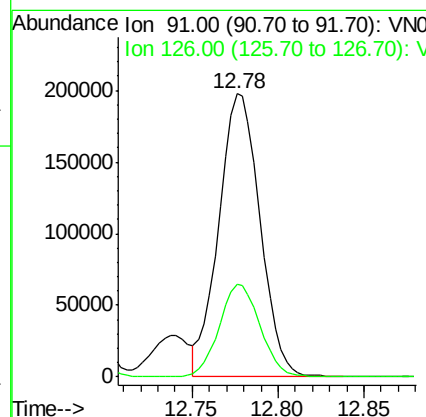
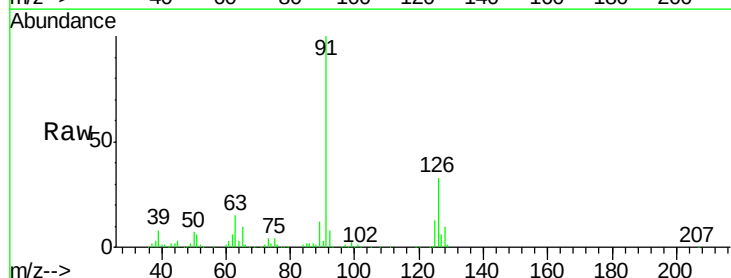
RT: 12.78 min Scan# 3422

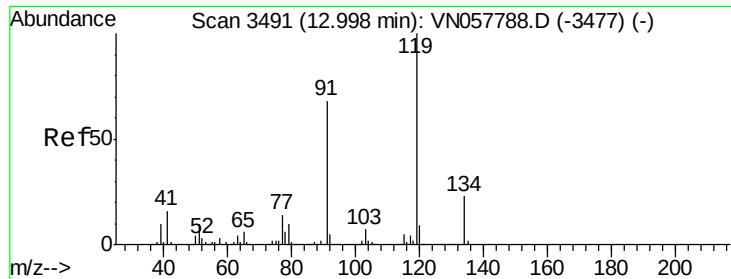
Delta R.T. -0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion:	91	Resp:	330068
Ion Ratio	Lower	Upper	
91	100		
126	32.3	0.0	65.2





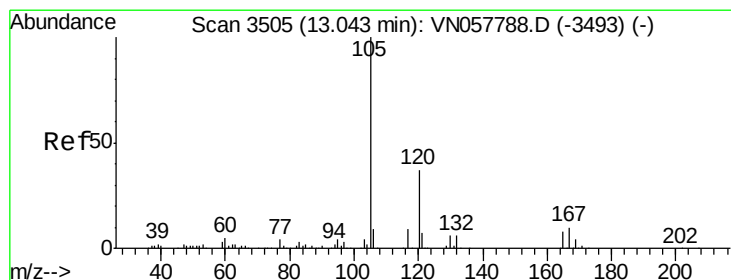
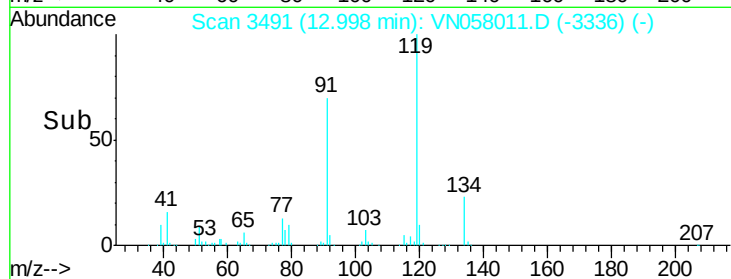
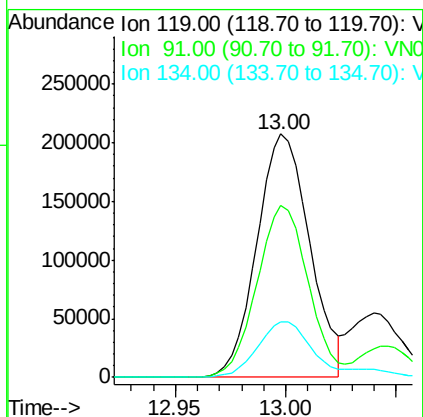
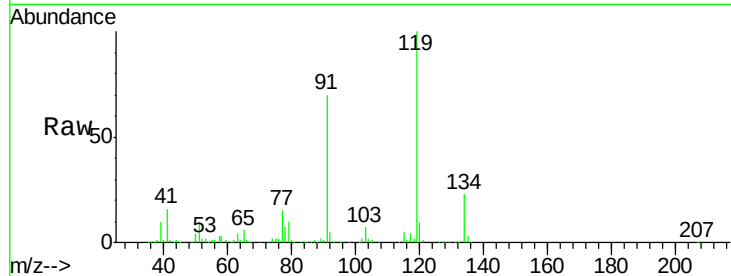
#79
tert-butylbenzene
Concen: 20.258 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344509		
91	68.7	0.0	133.8	
134	23.1	0.0	46.4	

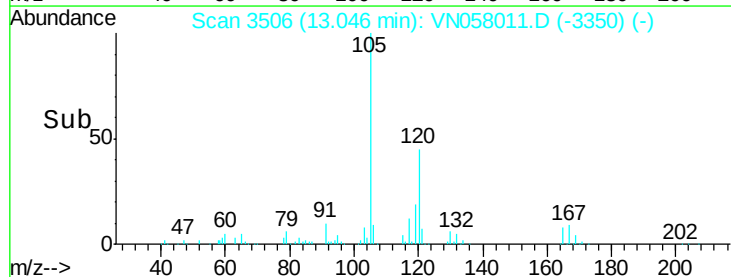
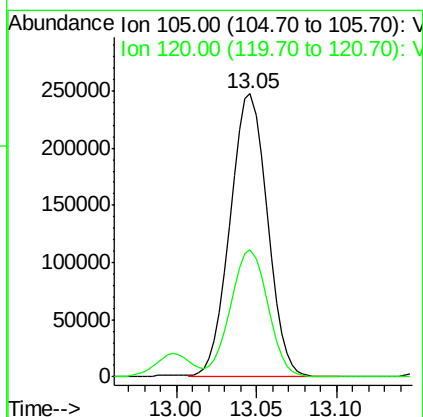
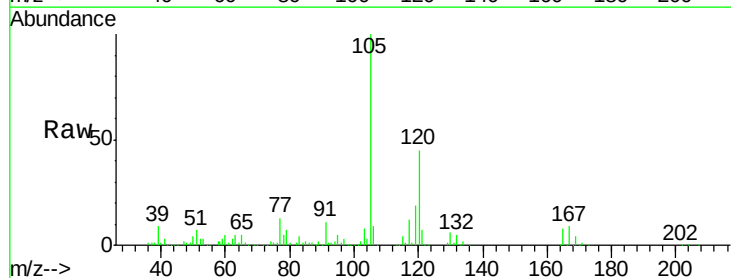
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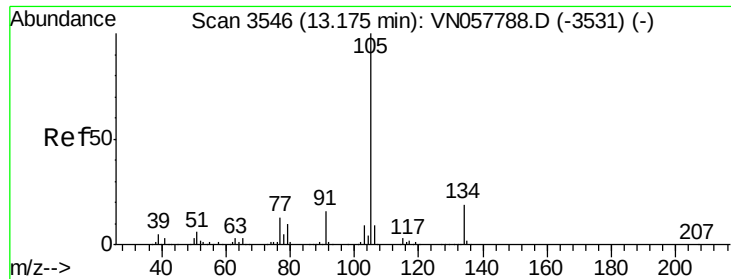
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#80
1,2,4-Trimethylbenzene
Concen: 20.259 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058011.D
Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	393488		
120	45.0	0.0	87.8	





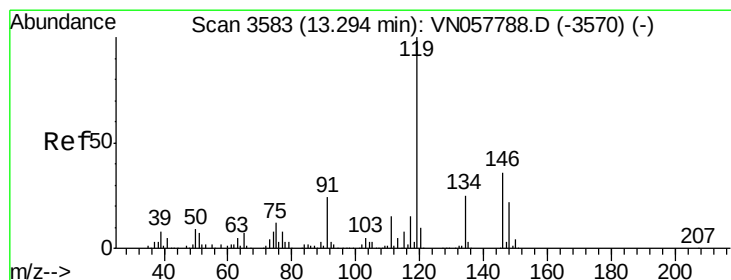
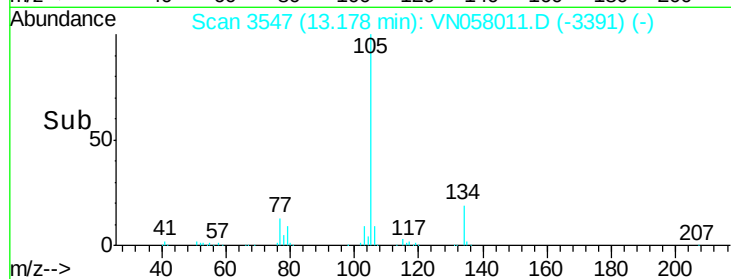
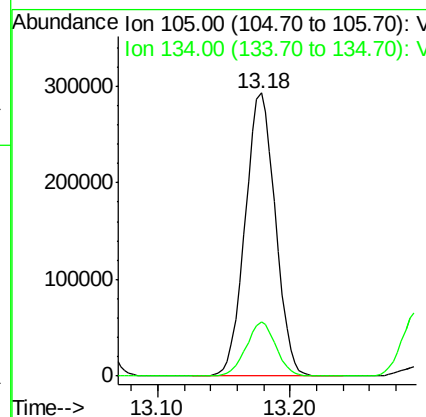
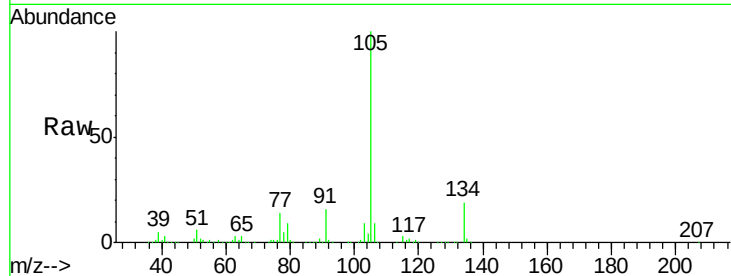
#81
 sec-Butylbenzene
 Concen: 20.476 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	0.0	37.6

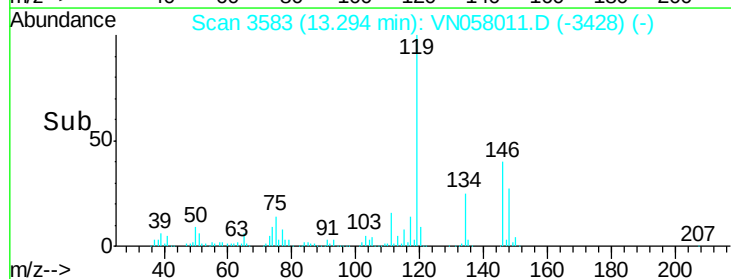
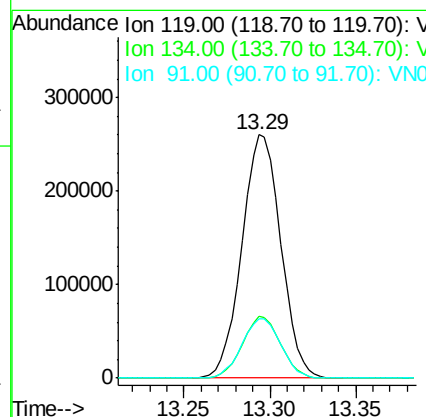
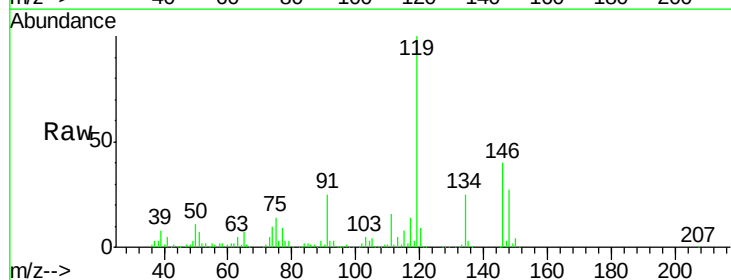
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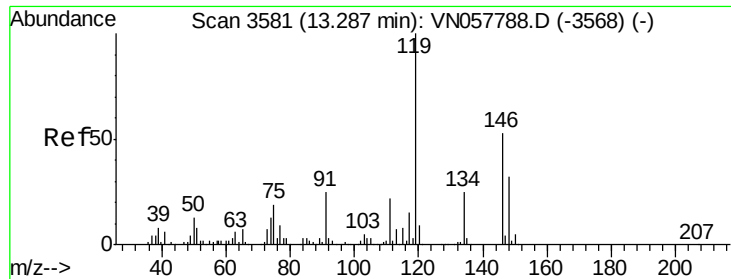
MMDadoda
 9/16/2019 2:49:30 PM



#82
 p-Isopropyltoluene
 Concen: 20.238 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	0.0	50.4
91	24.6	0.0	48.8





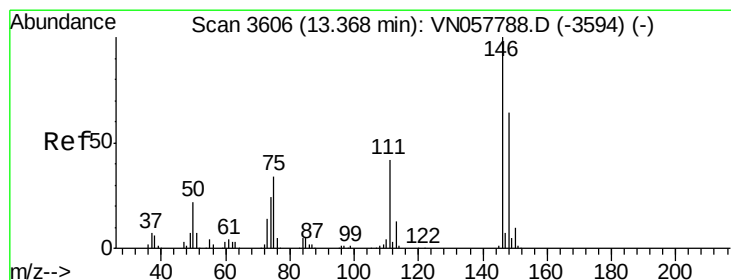
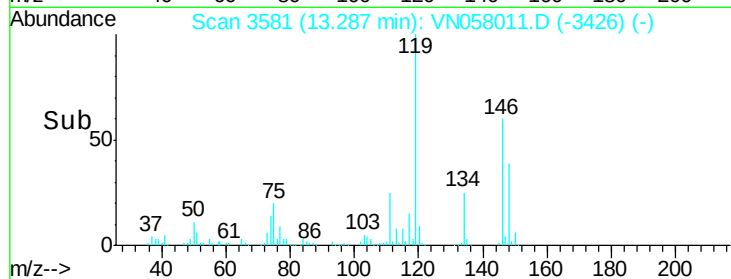
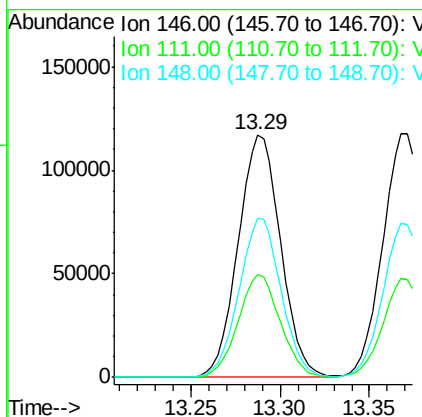
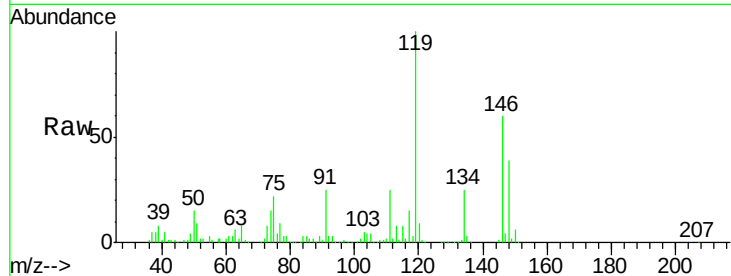
#83
 1,3-Dichlorobenzene
 Concen: 19.130 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	194871		
111	42.0	20.7	62.1	
148	64.9	30.9	92.5	

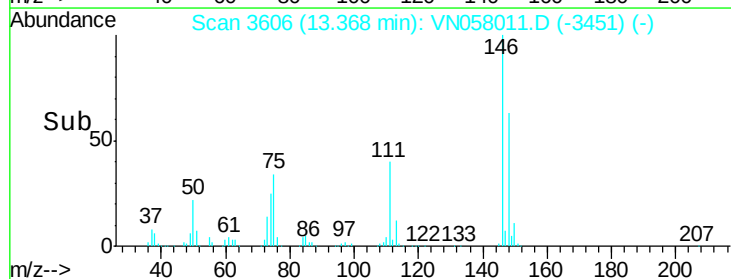
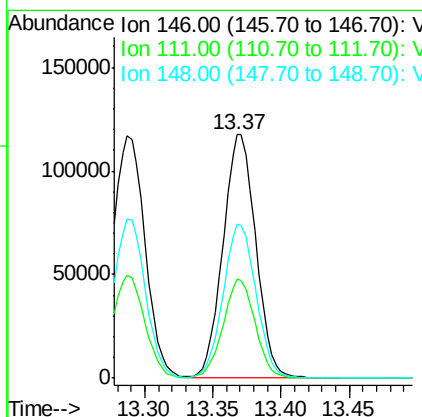
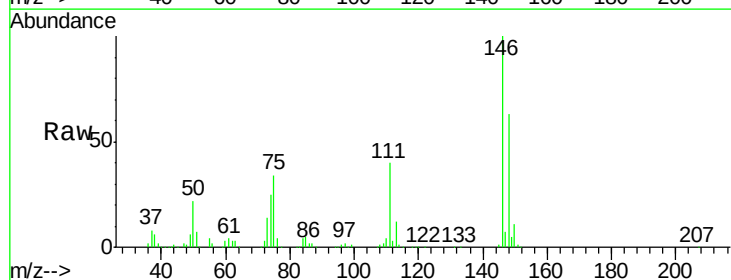
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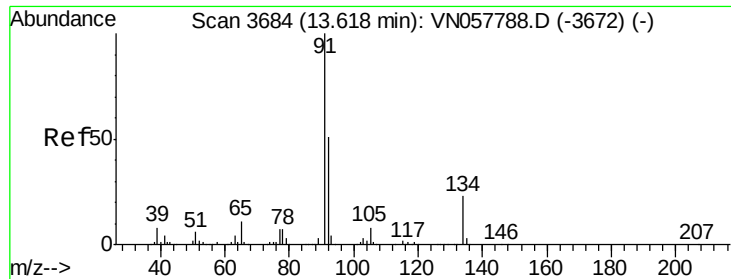
MMDadoda
 9/16/2019 2:49:30 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.610 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	196679		
111	39.6	21.1	63.4	
148	63.0	31.7	95.1	





#85

n-Butylbenzene

Concen: 19.365 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

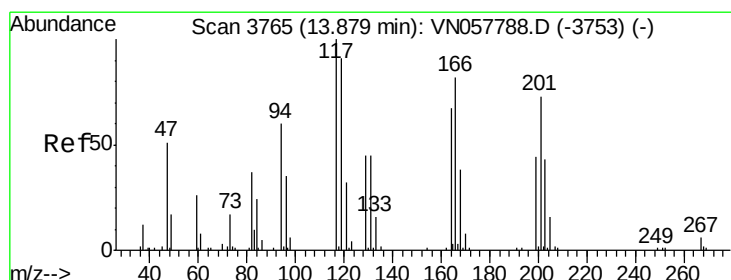
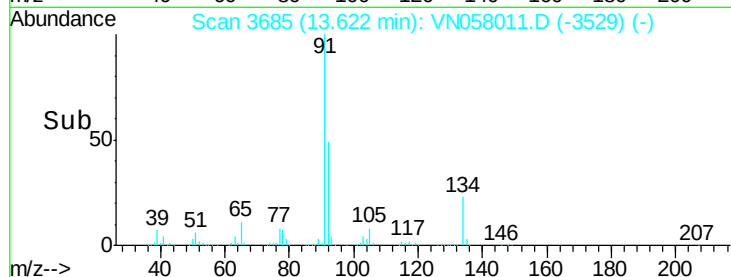
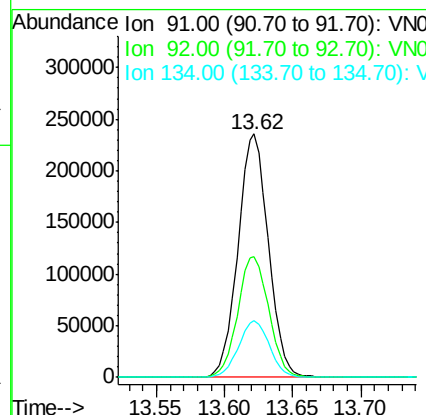
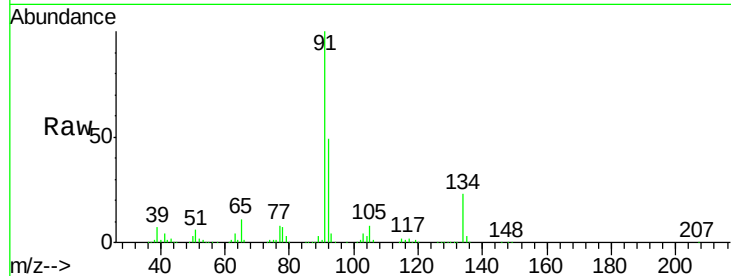
ClientSampleId :

VN0914WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
92	50.7	0.0	100.0		
134	23.5	0.0	46.6		

Manual Integrations
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#86

Hexachloroethane

Concen: 16.625 ug/l

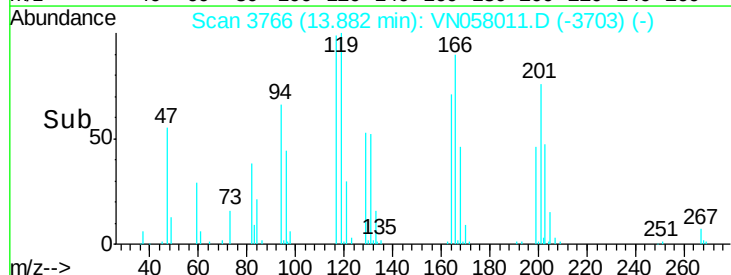
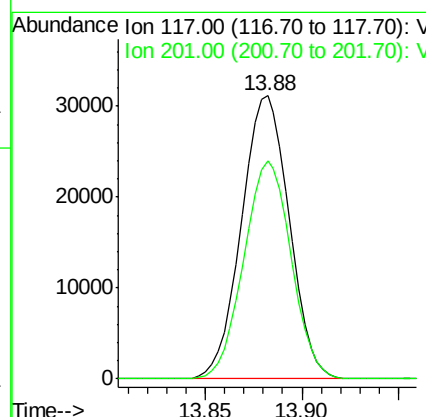
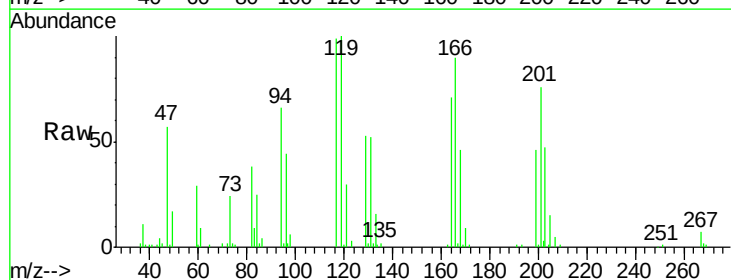
RT: 13.88 min Scan# 3766

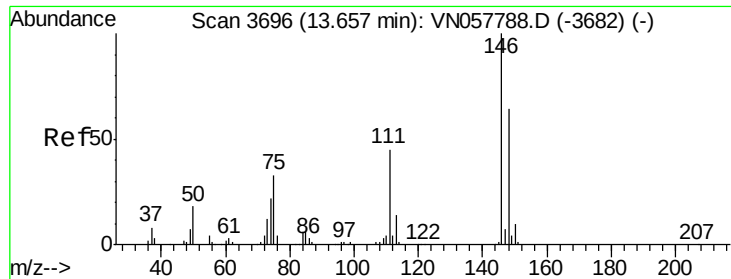
Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
201	76.3	36.7	110.1		





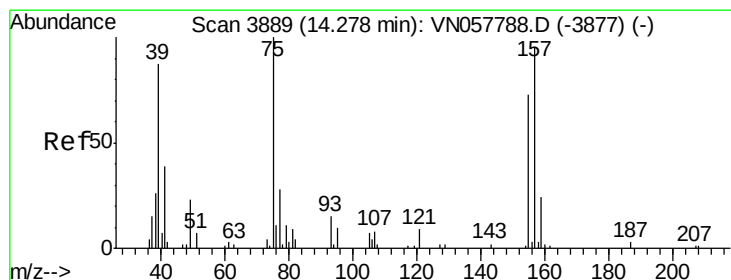
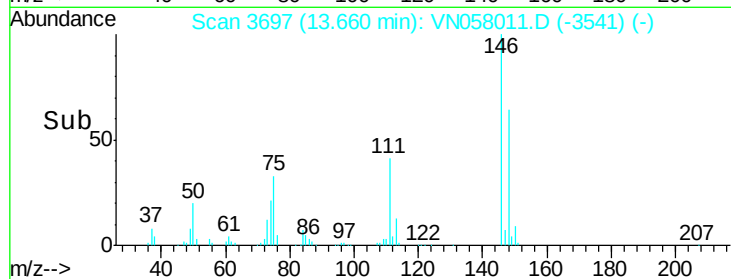
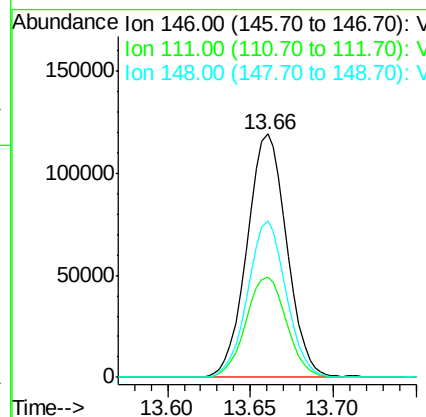
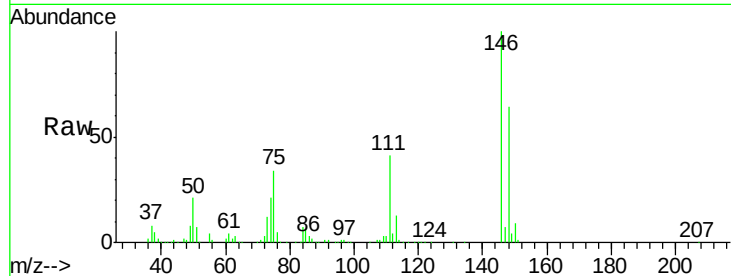
#87
 1,2-Dichlorobenzene
 Concen: 20.171 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199458		
111	42.1	22.2	66.6	
148	62.2	32.1	96.3	

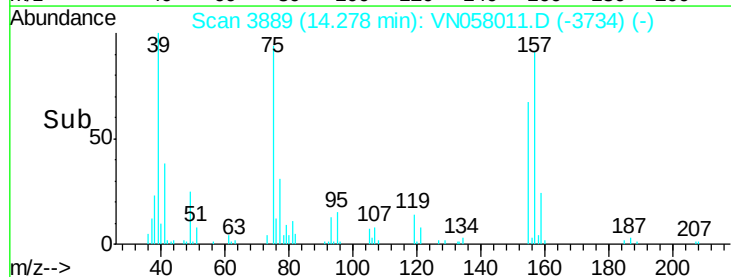
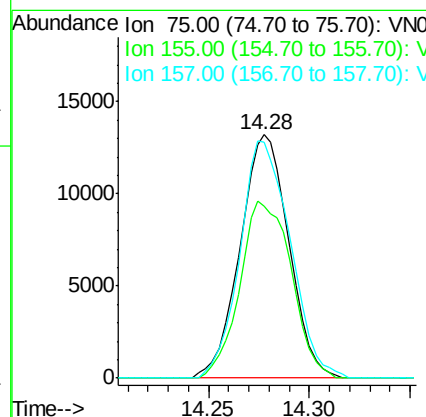
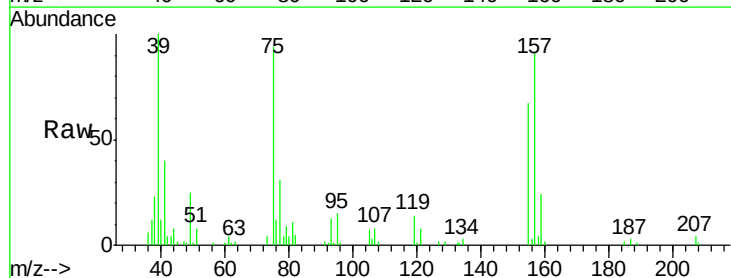
Manual Integrations
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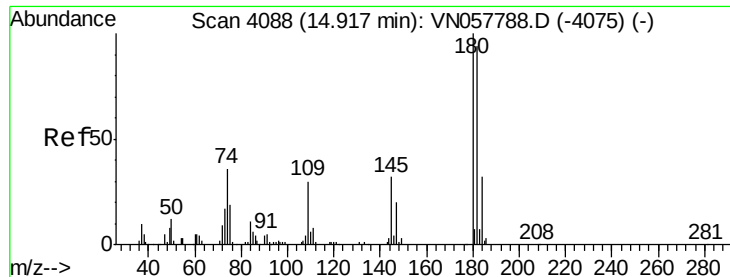
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.690 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22283		
155	76.8	59.4	89.2	
157	100.7	74.6	112.0	





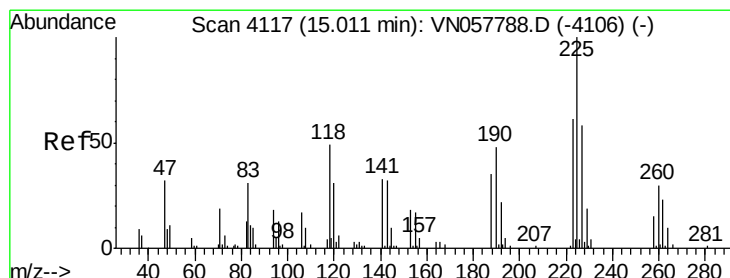
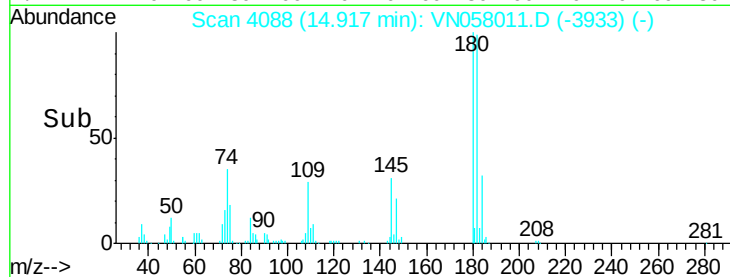
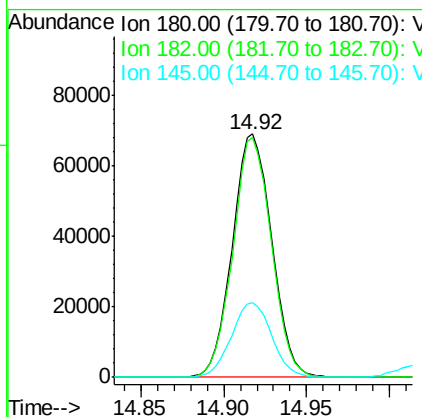
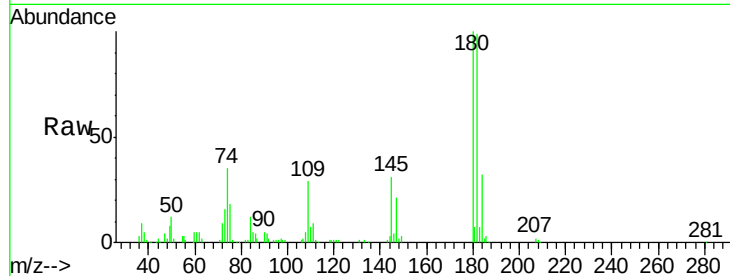
#89
 1,2,4-Trichlorobenzene
 Concen: 18.975 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114618		
182	95.8	77.0	115.4	
145	31.3	26.1	39.1	

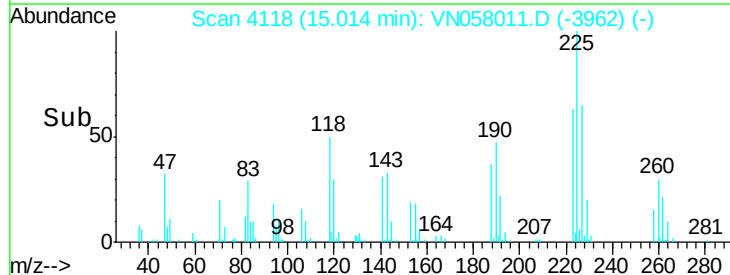
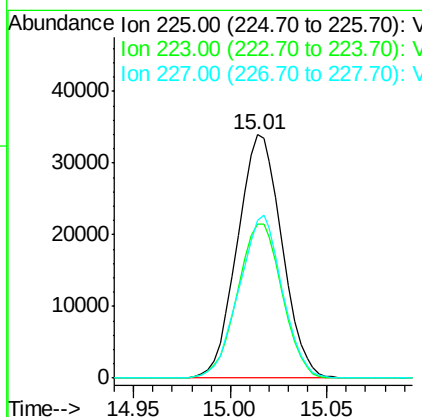
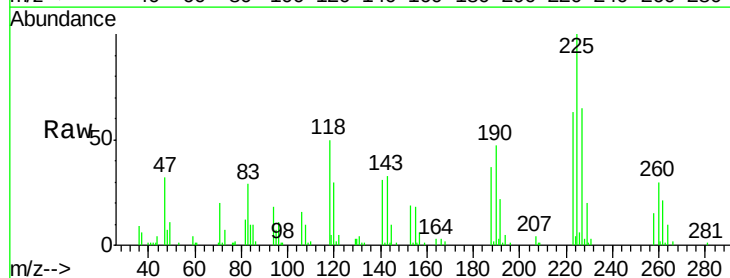
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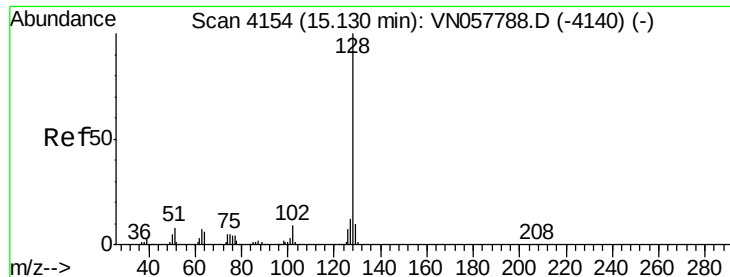
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#90
 Hexachlorobutadiene
 Concen: 19.633 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058011.D
 Acq: 13 Sep 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54465		
223	63.4	0.0	125.0	
227	64.8	0.0	123.8	





#91

Naphthalene

Concen: 19.067 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Instrument :

MSVOA_N

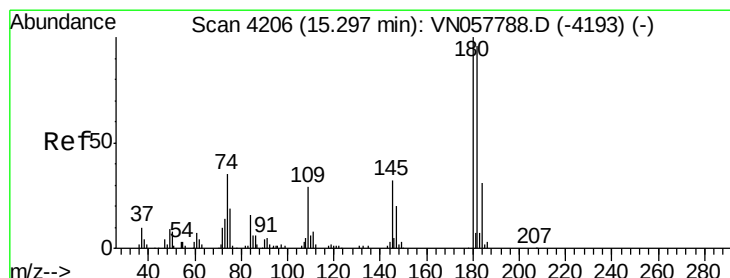
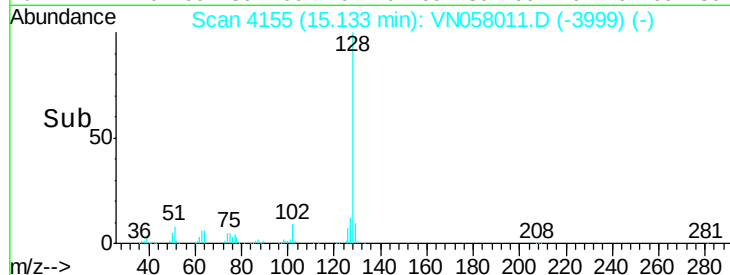
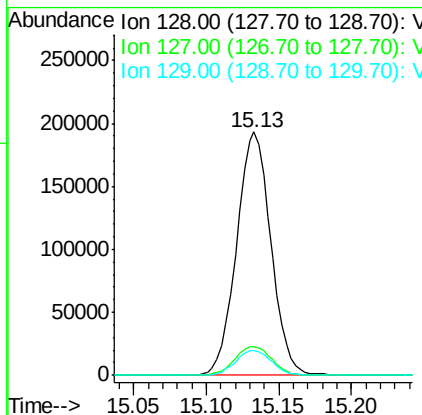
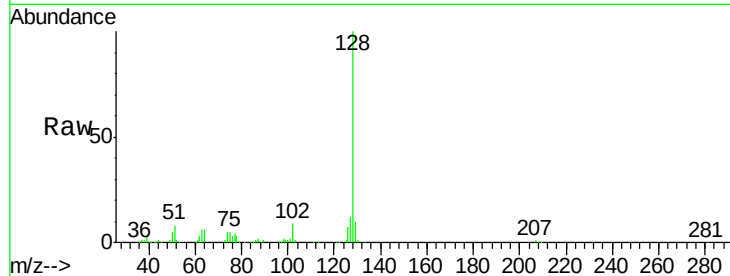
ClientSampleId :

VN0914WBSD01

Tot Ion:	128	Resp:	316909
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.9	14.9
129	10.7	8.1	12.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 19.071 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058011.D

Acq: 13 Sep 2019 12:24

Tgt Ion:	180	Resp:	109865
Ion Ratio	Lower	Upper	
180	100		
182	95.9	0.0	189.8
145	32.1	0.0	65.0

