

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058571.D
 Acq On : 7 Oct 2019 17:08
 Operator : JC/SP
 Sample : VN1007WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:42 AM

Quant Time: Oct 08 15:15:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	434994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	720795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	652600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	306842	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.57	113	222254	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.08	98	840208	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.41	95	318213	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	90637	19.003	ug/l	100
3) Chloromethane	2.04	50	122847	23.427	ug/l	98
4) Vinyl Chloride	2.17	62	112963	21.991	ug/l	99
5) Bromomethane	2.54	94	55457	20.325	ug/l	95
6) Chloroethane	2.68	64	70085	22.771	ug/l	99
7) Trichlorofluoromethane	3.00	101	142119	22.926	ug/l	98
8) Diethyl Ether	3.39	74	56471	21.114	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	86968	20.658	ug/l	100
10) Methyl Iodide	3.93	142	75687	16.214	ug/l	99
11) Tert butyl alcohol	4.76	59	97011	137.374	ug/l	98
12) 1,1-Dichloroethene	3.71	96	81610	19.888	ug/l	98
13) Acrolein	3.59	56	26092	116.167	ug/l	98
14) Allyl chloride	4.30	41	164162	21.983	ug/l	95
15) Acrylonitrile	4.96	53	242844	117.993	ug/l	99
16) Acetone	3.79	43	250292	115.504	ug/l	98
17) Carbon Disulfide	4.03	76	210419	19.453	ug/l	98
18) Methyl Acetate	4.30	43	123796	22.714	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	313628	21.661	ug/l	99
20) Methylene Chloride	4.53	84	103048	20.607	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	90690	19.874	ug/l	97
22) Diisopropyl ether	5.93	45	343440	21.371	ug/l	94
23) Vinyl Acetate	5.87	43	1401224	115.641	ug/l	99
24) 1,1-Dichloroethane	5.83	63	192124	21.243	ug/l	98
25) 2-Butanone	6.81	43	337087	113.301	ug/l	99
26) 2,2-Dichloropropane	6.80	77	170638	22.950	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	110228	20.668	ug/l	99
28) Bromochloromethane	7.18	49	76191	21.075	ug/l	98
29) Tetrahydrofuran	7.19	42	215332	114.035	ug/l	99
30) Chloroform	7.36	83	193946	21.162	ug/l	100
31) Cyclohexane	7.64	56	170977	19.435	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	167210	22.218	ug/l	99
36) 1,1-Dichloropropene	7.78	75	139646	20.261	ug/l	99
37) Ethyl Acetate	6.91	43	139763	23.918	ug/l	99
38) Carbon Tetrachloride	7.76	117	140492	22.583	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	156157	19.402	ug/l	99
40) Benzene	8.03	78	408672	20.628	ug/l	99
41) Methacrylonitrile	7.15	41	58095	21.611	ug/l	96
42) 1,2-Dichloroethane	8.11	62	159538	20.699	ug/l	98
43) Isopropyl Acetate	8.15	43	232843	21.190	ug/l #	89
44) Trichloroethene	8.82	130	102672	20.988	ug/l	99
45) 1,2-Dichloropropane	9.11	63	114868	21.619	ug/l	99
46) Dibromomethane	9.20	93	72498	21.546	ug/l	99
47) Bromodichloromethane	9.39	83	147529	23.141	ug/l	100
48) Methyl methacrylate	9.19	41	107304	21.446	ug/l	97
49) 1,4-Dioxane	9.19	88	39710	593.542	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	693363	122.842	ug/l	99
52) Toluene	10.15	92	254861	20.438	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	163429	23.552	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	177327	23.022	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	104389	22.991	ug/l	96
56) Ethyl methacrylate	10.43	69	152172	22.087	ug/l	98
57) 1,3-Dichloropropane	10.71	76	180948	22.342	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	370059	134.700	ug/l	99
59) 2-Hexanone	10.75	43	499881	121.628	ug/l	99
60) Dibromochloromethane	10.90	129	105523	22.135	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101363	21.848	ug/l	100
64) Tetrachloroethene	10.63	164	96028	23.161	ug/l	98
65) Chlorobenzene	11.43	112	269986	20.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	103539	23.690	ug/l	98
67) Ethyl Benzene	11.51	91	500869	21.317	ug/l	99
68) m/p-Xylenes	11.63	106	359137	40.625	ug/l	97
69) o-Xylene	11.95	106	176328	20.720	ug/l	98
70) Styrene	11.97	104	283525	20.508	ug/l	99
71) Bromoform	12.13	173	67474	22.724	ug/l #	99
73) Isopropylbenzene	12.25	105	478697	20.953	ug/l	99
74) N-amyl acetate	12.07	43	197258	21.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	149702	22.160	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	149162m	26.417	ug/l	
77) Bromobenzene	12.53	156	114074	21.295	ug/l	99
78) n-propylbenzene	12.60	91	558711	21.707	ug/l	100
79) 2-Chlorotoluene	12.68	91	332341	20.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	401450	20.992	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42228	22.714	ug/l	99
82) 4-Chlorotoluene	12.78	91	338118	20.858	ug/l	100
83) tert-Butylbenzene	13.00	119	347663	21.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	405853	21.182	ug/l	99
85) sec-Butylbenzene	13.18	105	456358	21.486	ug/l	99
86) p-Isopropyltoluene	13.30	119	409436	21.899	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	203370	20.937	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	199415	20.635	ug/l	99
89) n-Butylbenzene	13.62	91	359951	21.254	ug/l	100
90) Hexachloroethane	13.88	117	66947	23.832	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	201037	21.541	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29749	24.972	ug/l	97

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QLast Update : Mon Sep 30 08:07:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	115198	22.337	ug/l	100
94) Hexachlorobutadiene	15.02	225	56498	21.314	ug/l	98
95) Naphthalene	15.13	128	318065	21.042	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	109857	21.232	ug/l	97

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

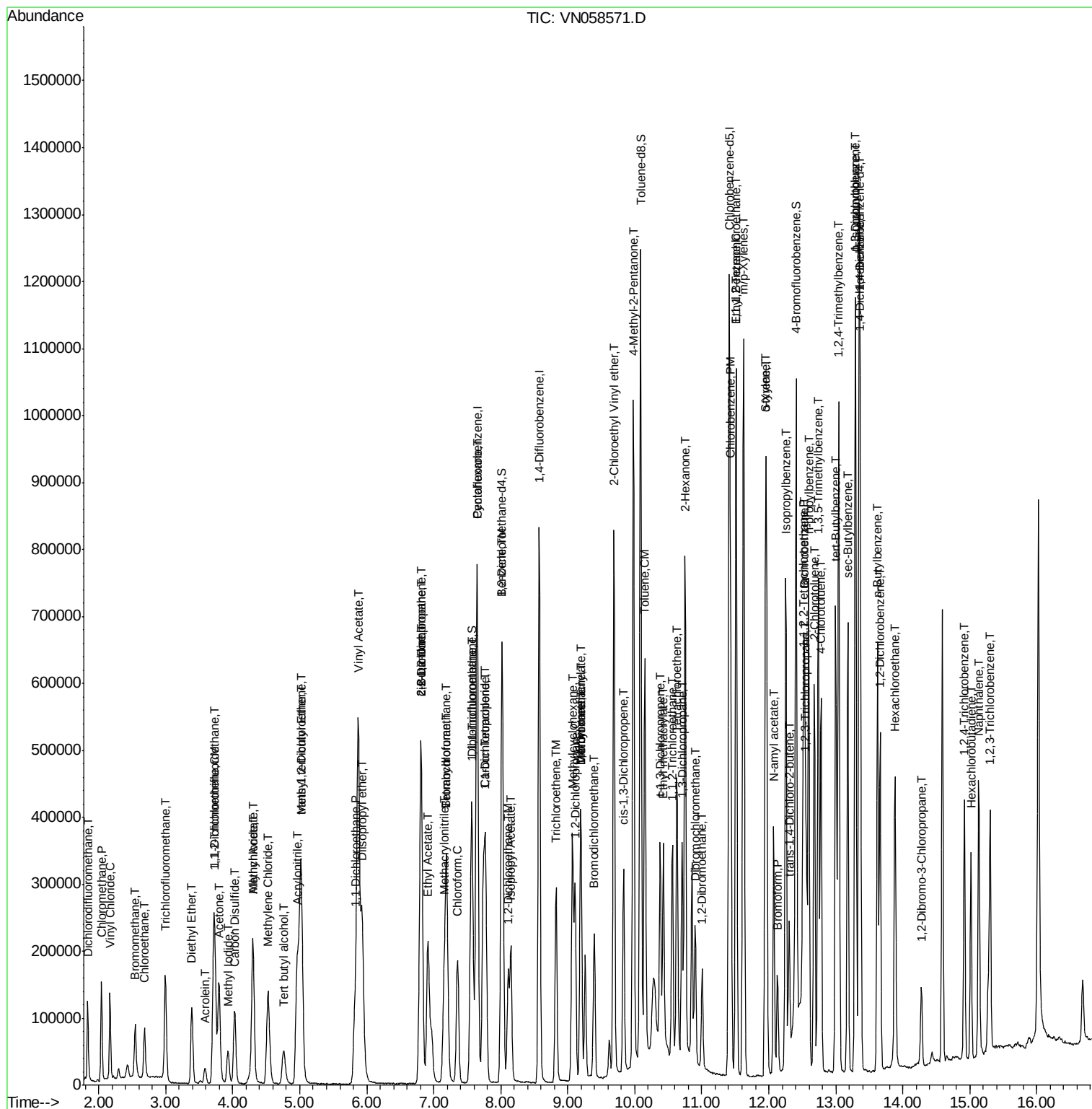
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100719\
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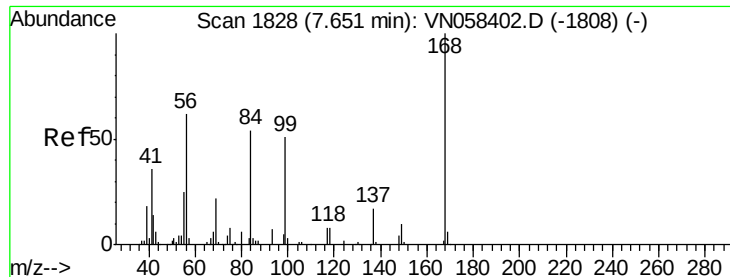
Instrument :
MSVOA_N
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion:168 Resp: 434994

Ion Ratio Lower Upper

168 100

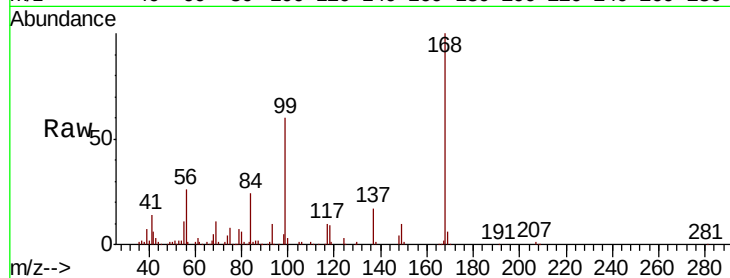
99 59.5 47.7 71.5

Manual Integrations

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10/9/2019 10:50:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

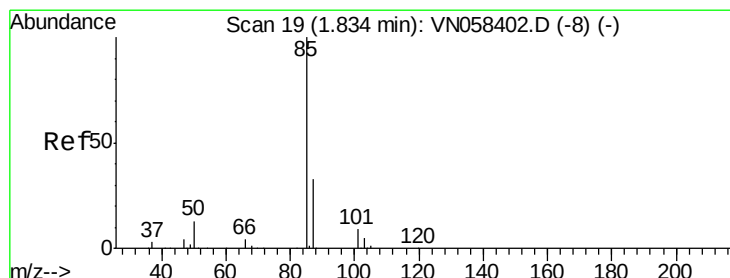
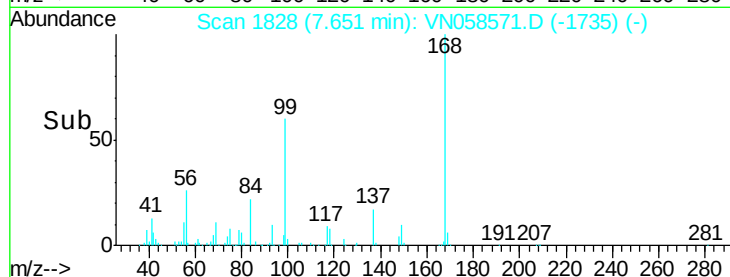
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.003 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058571.D

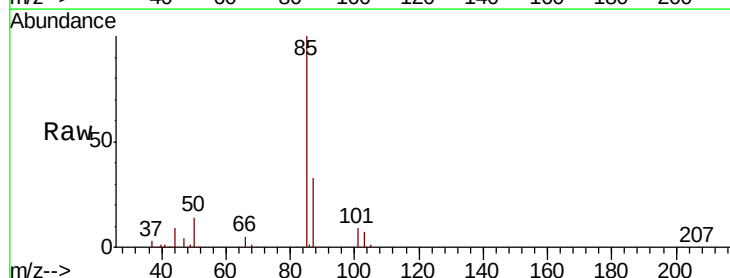
Acq: 7 Oct 2019 17:08

Tgt Ion: 85 Resp: 90637

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

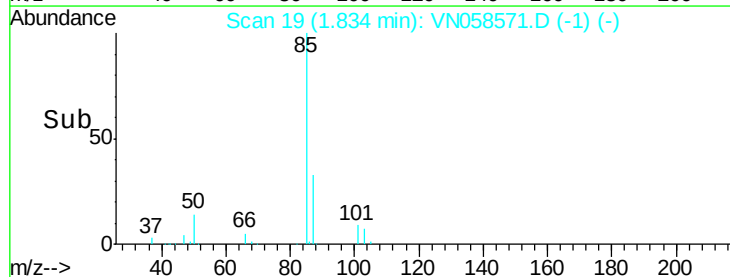
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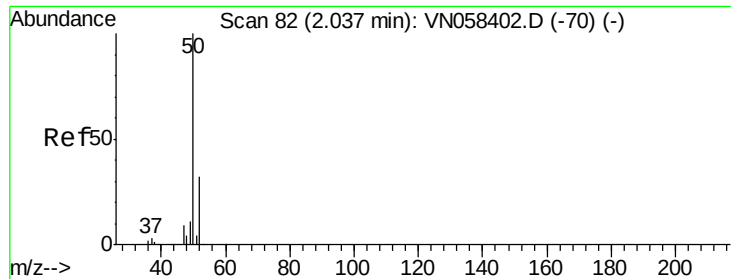
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 23.427 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion: 50 Resp: 122847

Ion Ratio Lower Upper

50 100

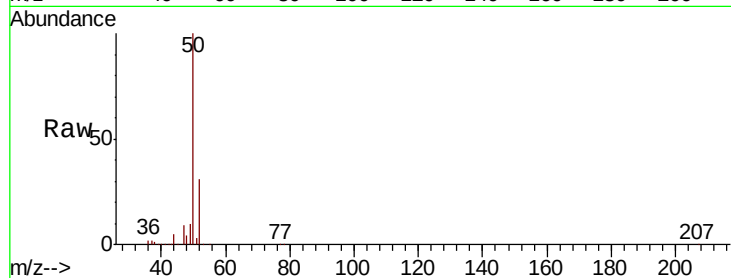
52 31.1 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

100000

80000

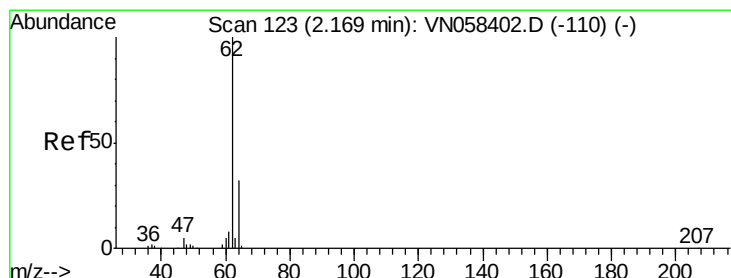
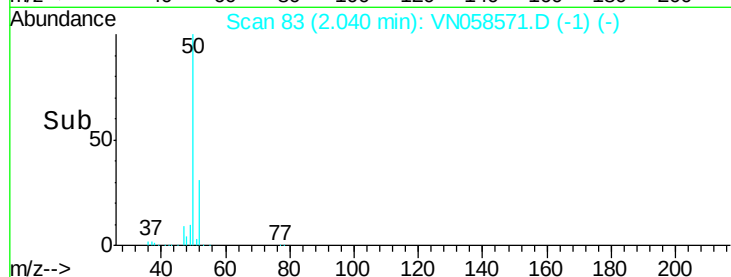
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.991 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058571.D

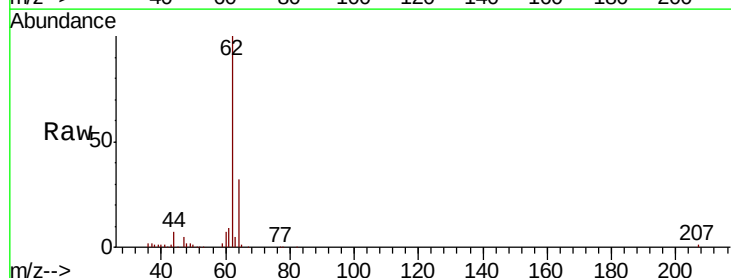
Acq: 7 Oct 2019 17:08

Tgt Ion: 62 Resp: 112963

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

80000

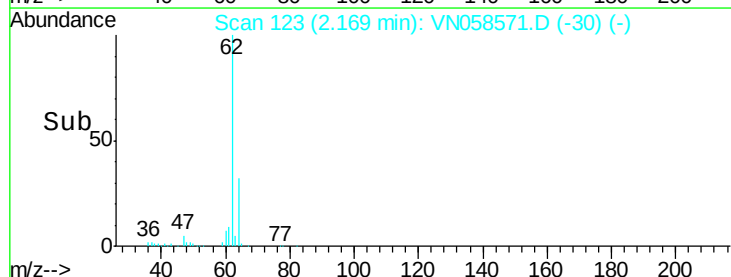
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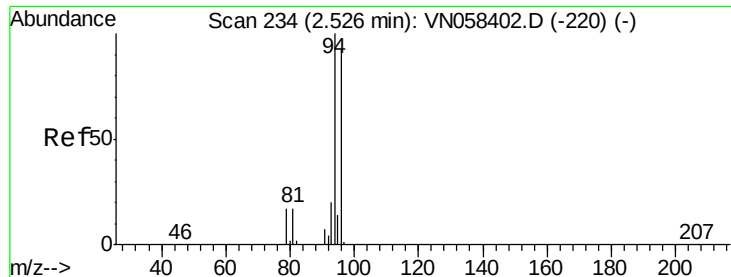
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.325 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

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ClientSampleId :

VN1007WBS02

Tot Ion: 94 Resp: 55457

Ion Ratio Lower Upper

94 100

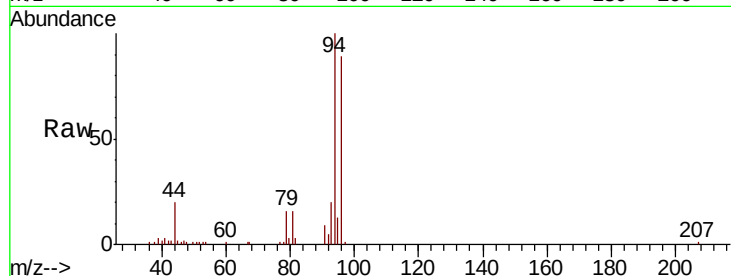
96 88.7 74.8 112.2

Manual Integrations

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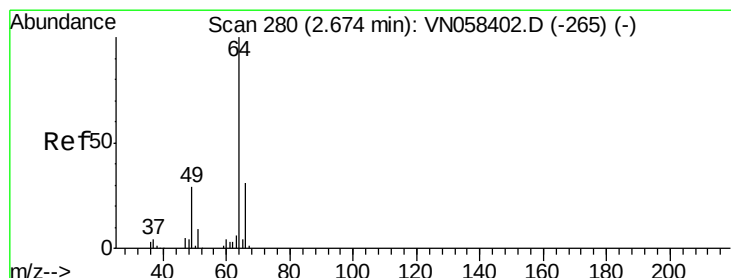
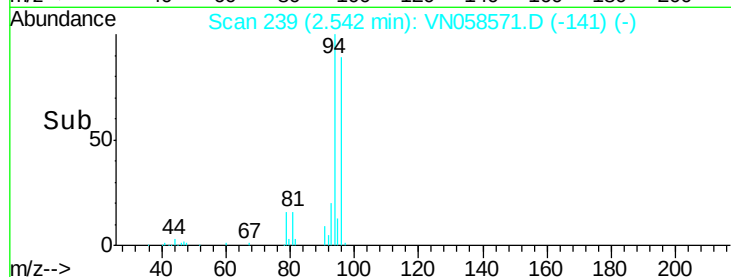


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

Time-->



#6

Chloroethane

Concen: 22.771 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058571.D

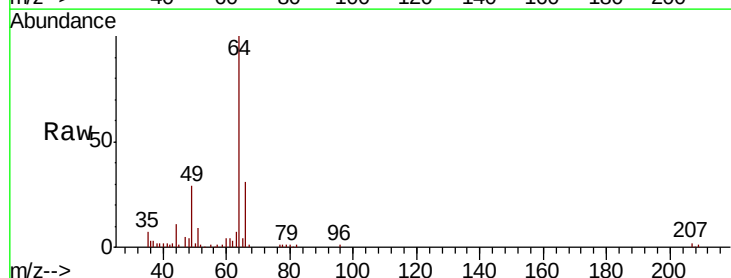
Acq: 7 Oct 2019 17:08

Tgt Ion: 64 Resp: 70085

Ion Ratio Lower Upper

64 100

66 30.0 24.4 36.6

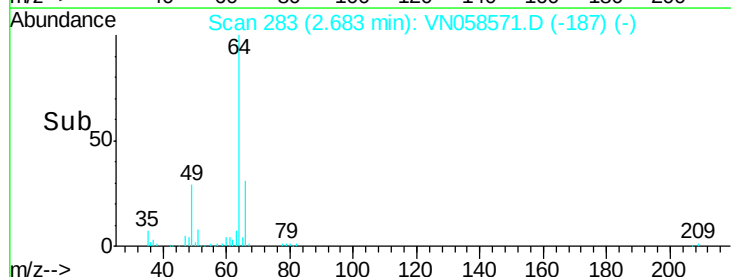


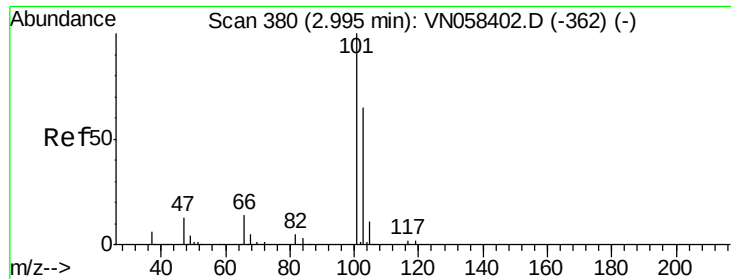
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

Time-->





#7

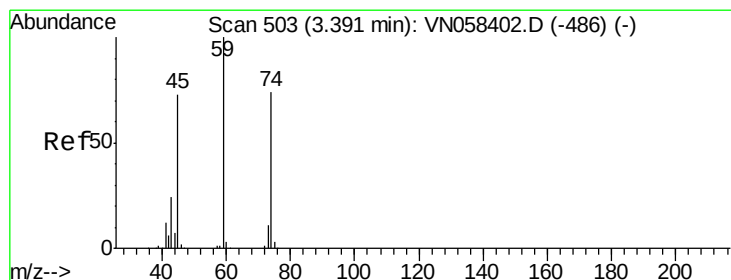
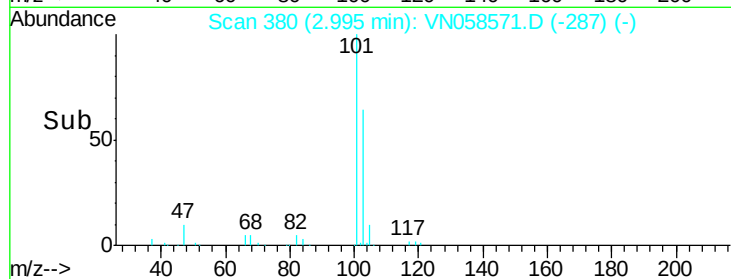
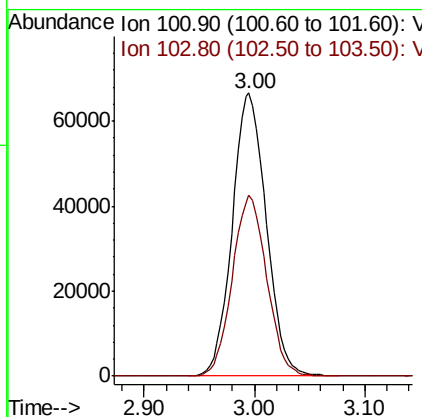
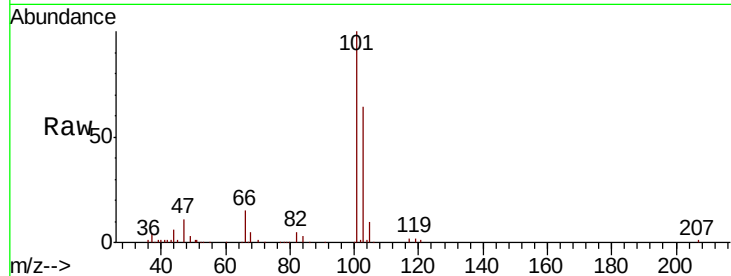
Trichlorofluoromethane
 Concen: 22.926 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
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 ClientSampleId :
 VN1007WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.3	78.5

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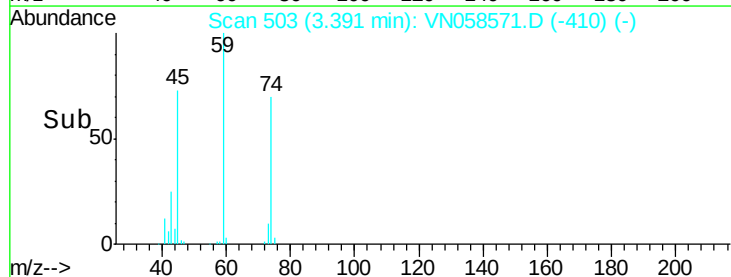
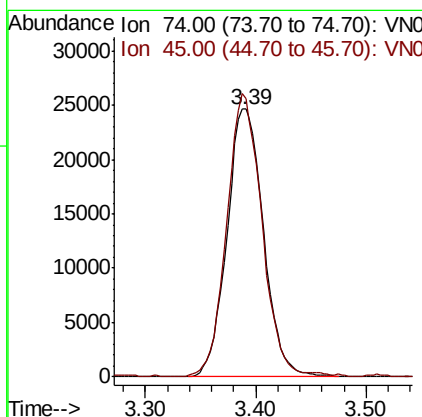
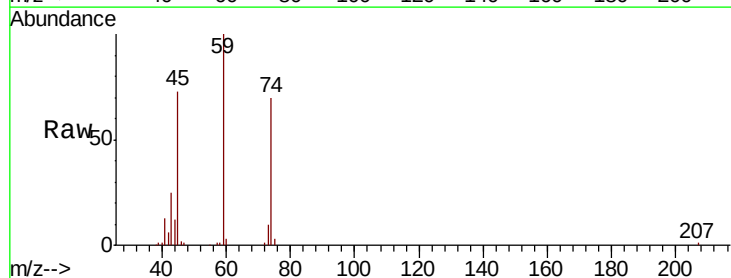
MMDadoda
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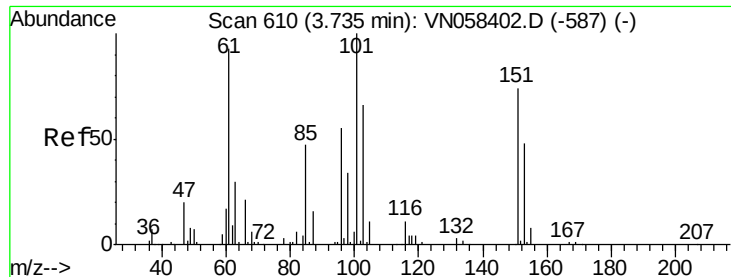


#8

Diethyl Ether
 Concen: 21.114 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.658 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

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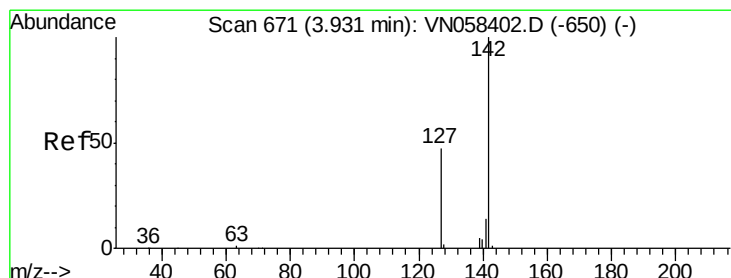
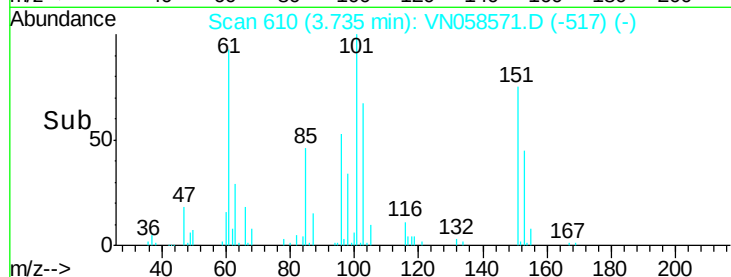
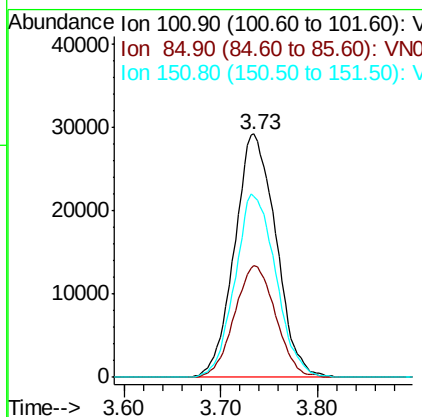
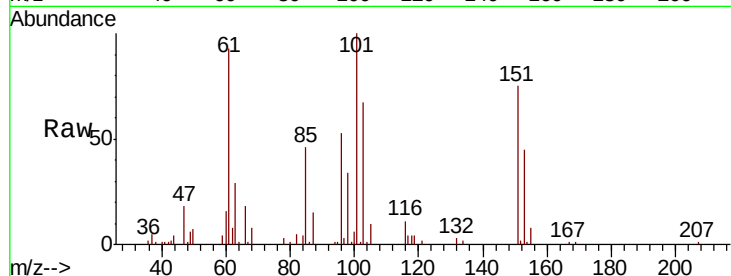
ClientSampleId :

VN1007WBS02

Tot Ion:	101	Resp:	86968
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.7	55.1
151	74.4	59.4	89.0

Manual Integrations
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10/9/2019 10:50:42 AM



#10

Methyl Iodide

Concen: 16.214 ug/l

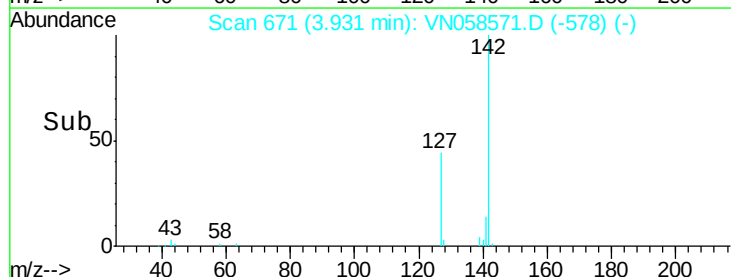
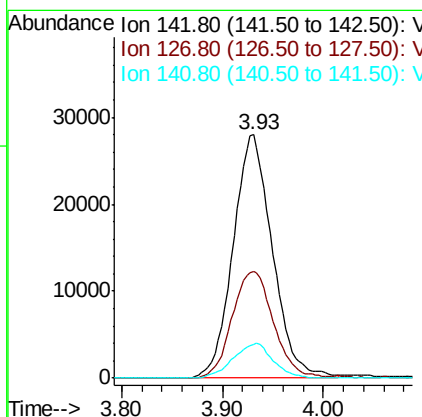
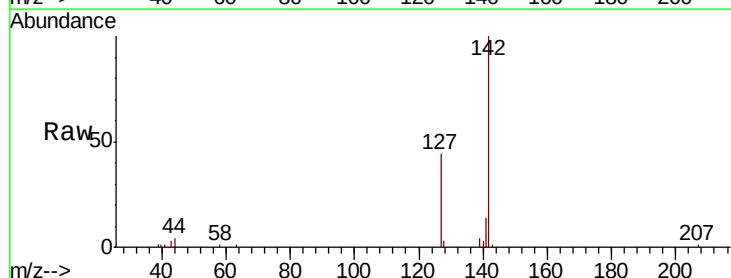
RT: 3.93 min Scan# 671

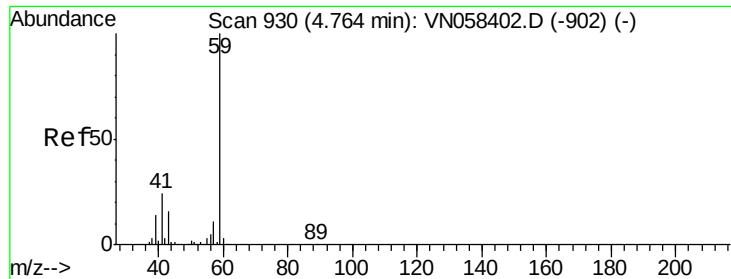
Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	142	Resp:	75687
Ion Ratio	Lower	Upper	
142	100		
127	46.2	37.2	55.8
141	14.5	11.3	16.9





#11

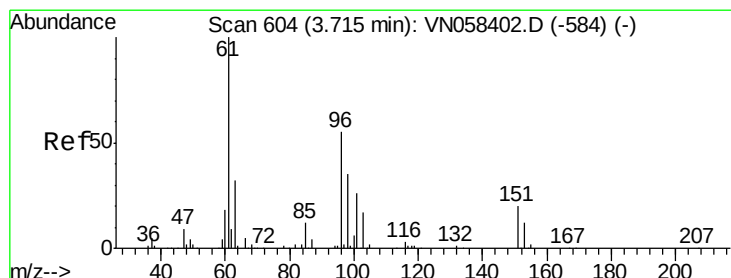
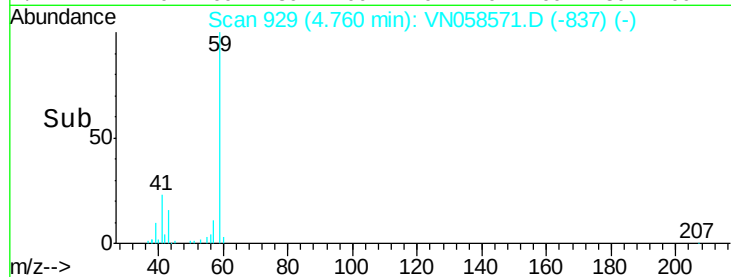
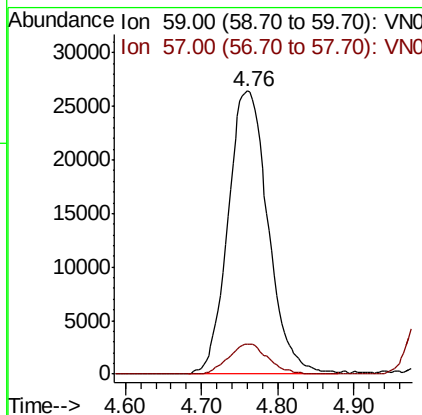
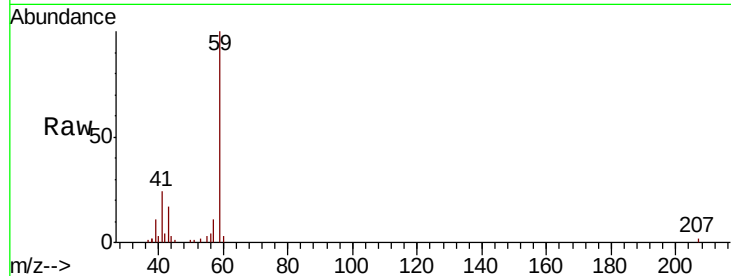
Tert butyl alcohol
 Concen: 137.374 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion	59	Resp	97011
Ion Ratio	100	Lower	Upper
57	10.4	9.0	13.4

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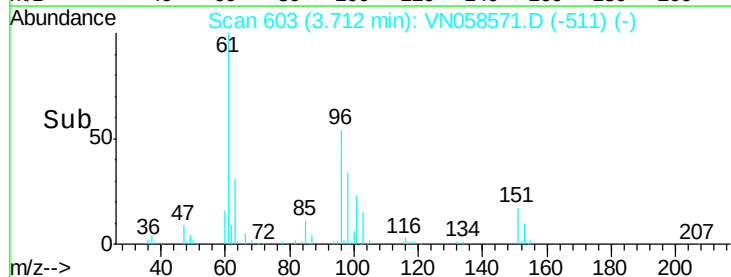
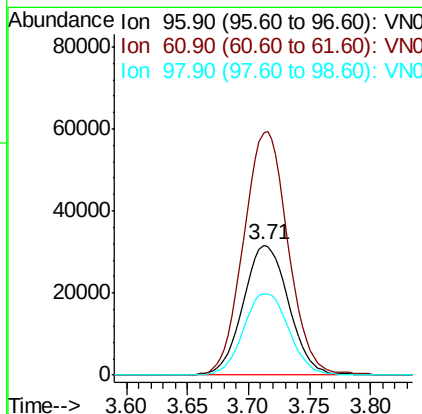
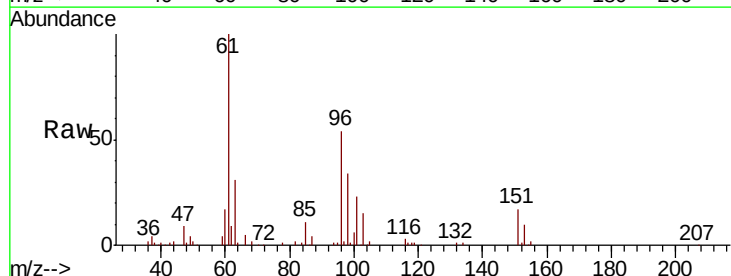
MMDadoda
 10/9/2019 10:50:42 AM

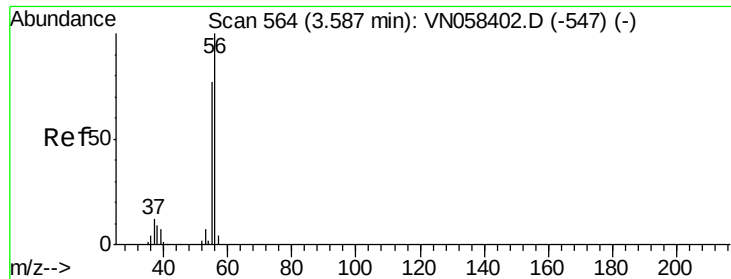


#12

1,1-Dichloroethene
 Concen: 19.888 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	96	Resp	81610
Ion Ratio	100	Lower	Upper
61	186.4	146.7	220.1
98	62.6	51.3	76.9





#13

Acrolein

Concen: 116.167 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion: 56 Resp: 26092

Ion Ratio Lower Upper

56 100

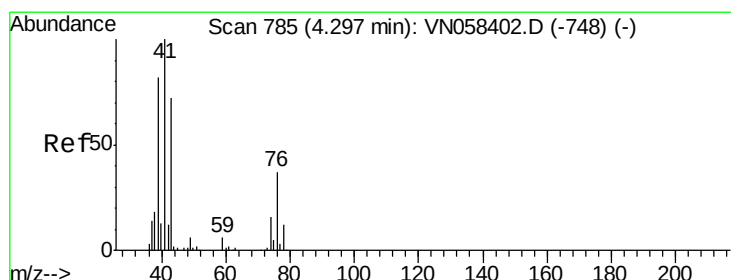
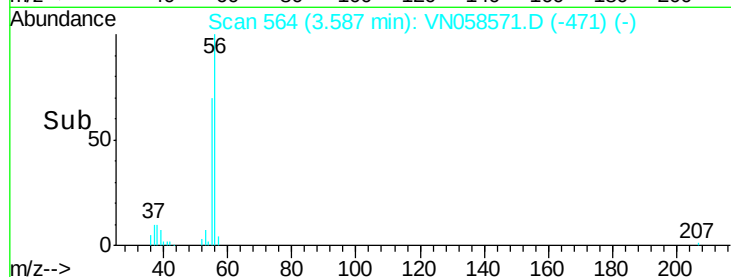
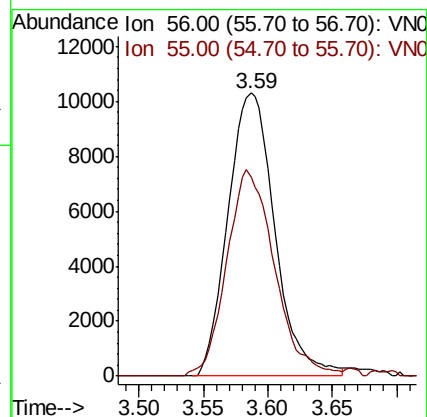
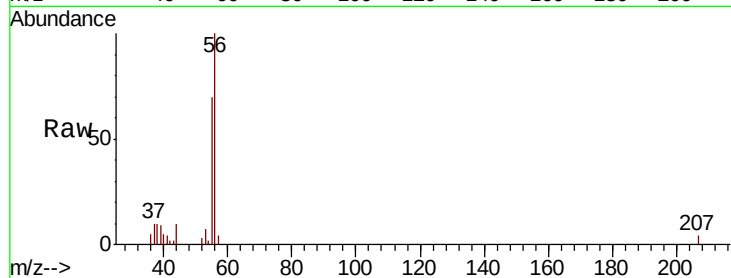
55 74.2 58.3 87.5

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 21.983 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

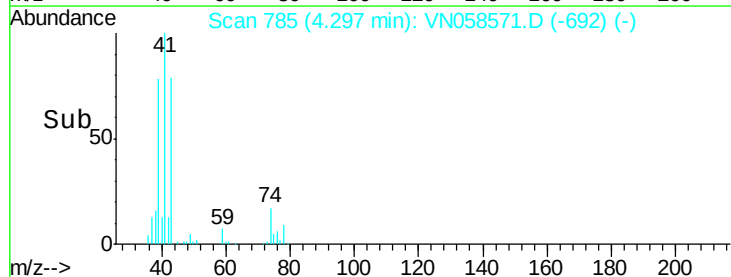
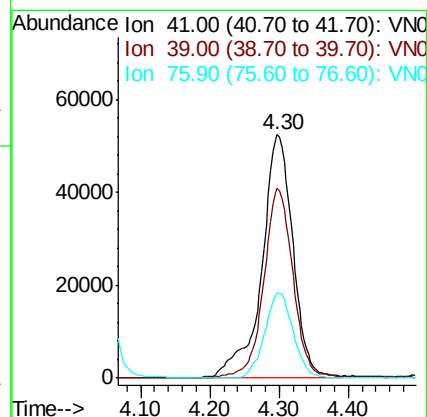
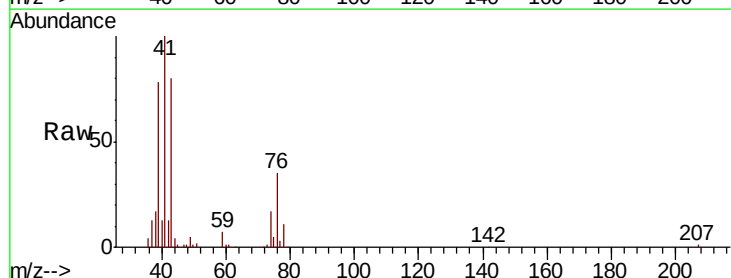
Tgt Ion: 41 Resp: 164162

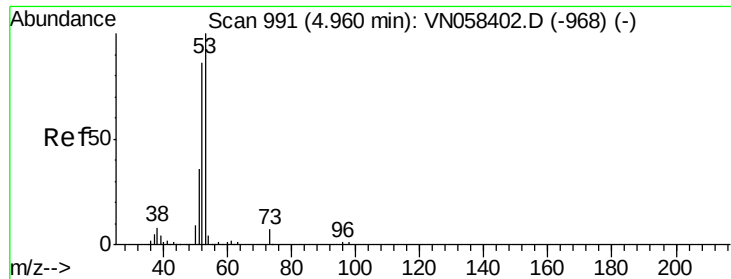
Ion Ratio Lower Upper

41 100

39 72.7 62.3 93.5

76 31.9 26.9 40.3





#15

Acrylonitrile

Concen: 117.993 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

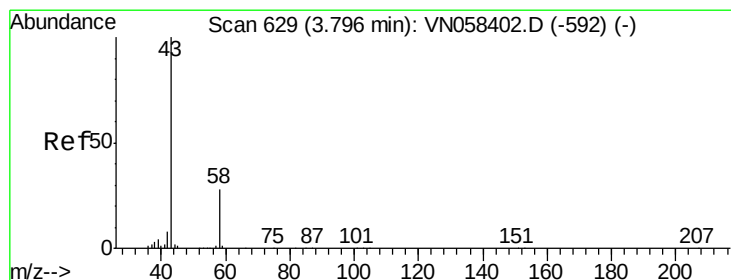
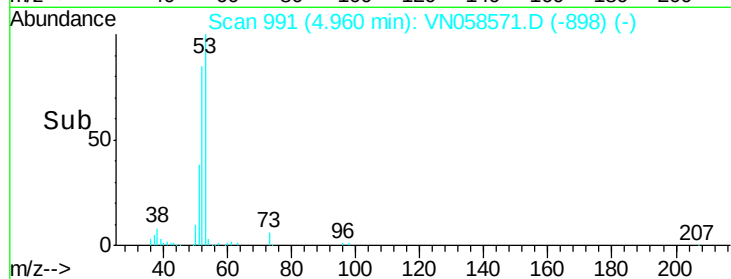
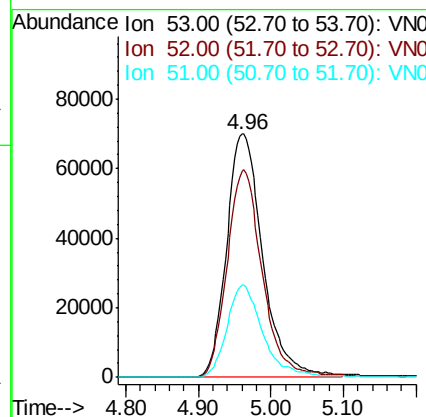
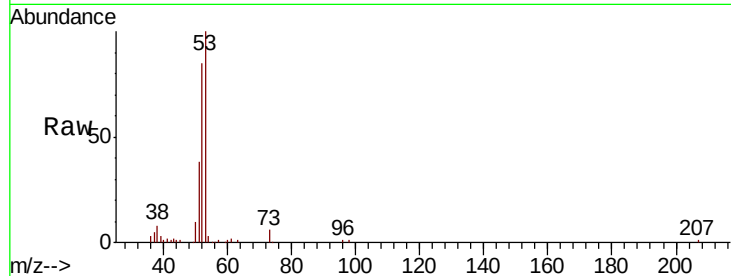
ClientSampleId :

VN1007WBS02

Tot Ion:	53	Resp:	242844
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	100.0
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 115.504 ug/l

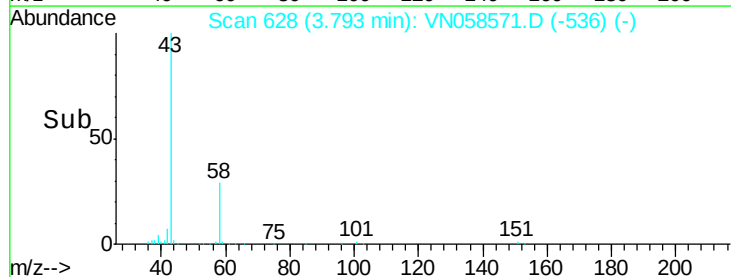
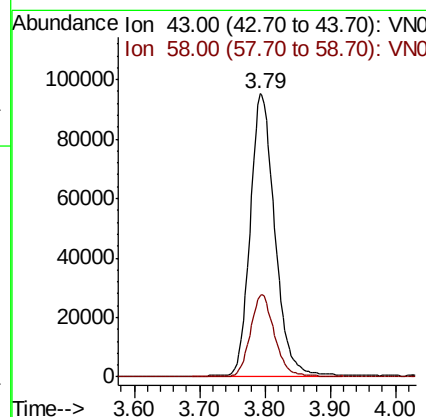
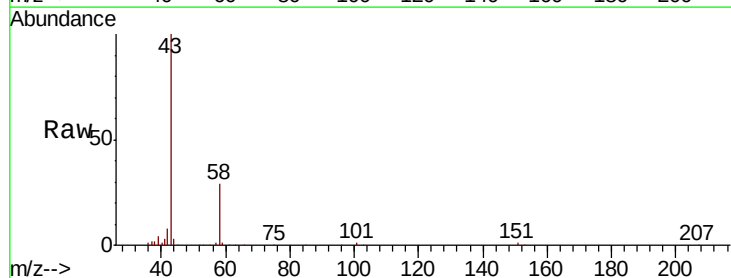
RT: 3.79 min Scan# 628

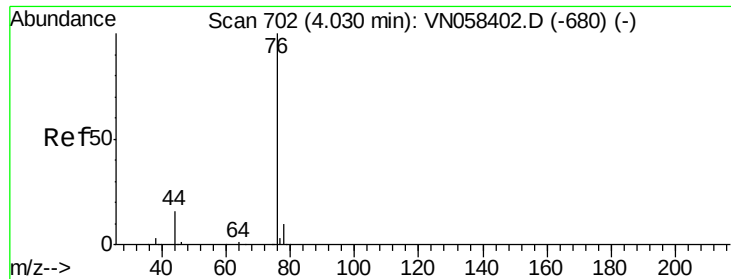
Delta R.T. -0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	43	Resp:	250292
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.4	33.6





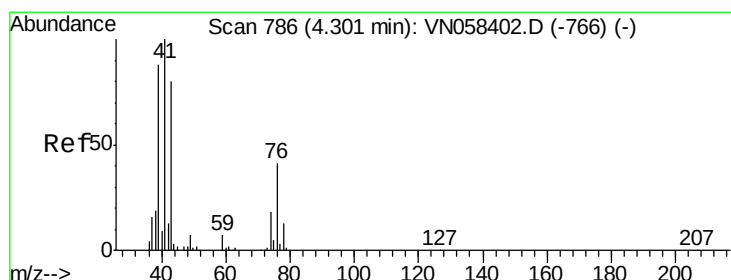
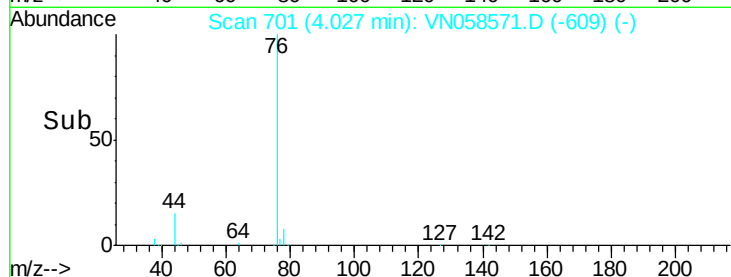
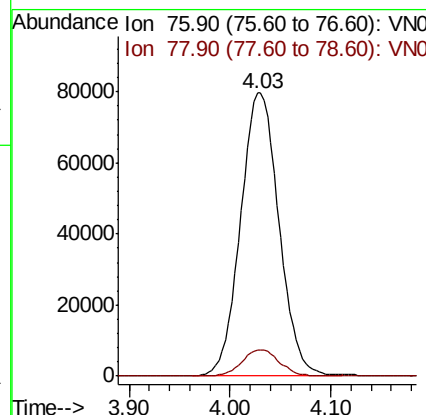
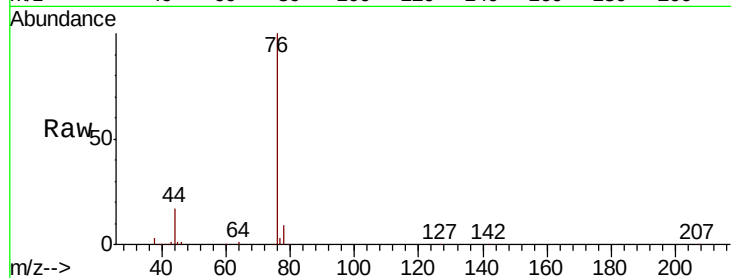
#17
Carbon Disulfide
Concen: 19.453 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

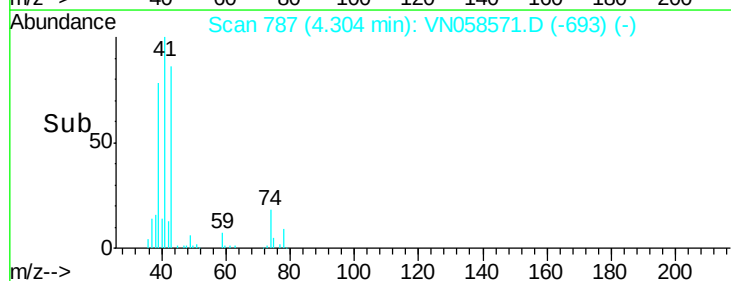
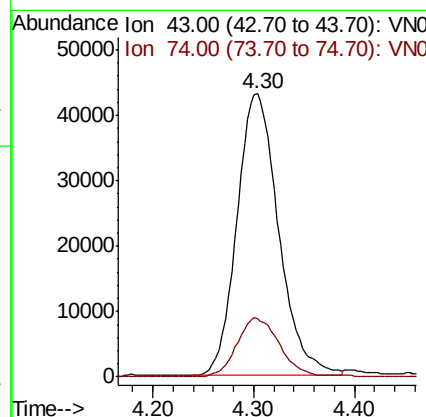
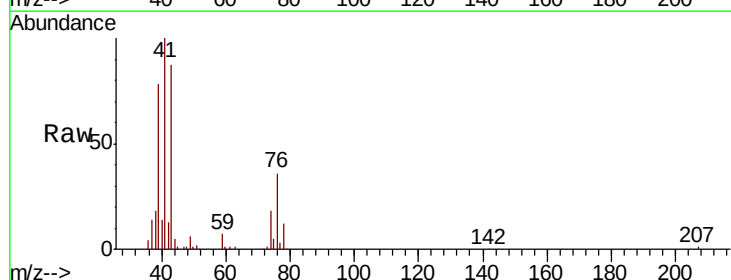
Manual Integrations
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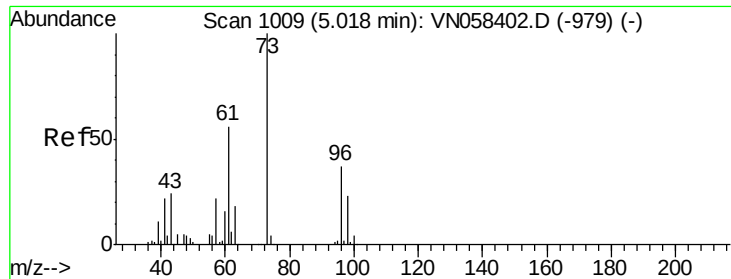
MMDadoda
10/9/2019 10:50:42 AM



#18
Methyl Acetate
Concen: 22.714 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	18.0	27.0





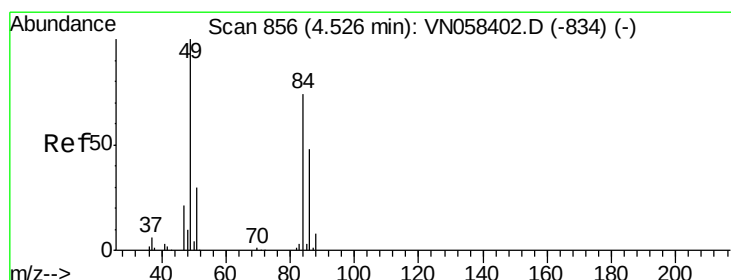
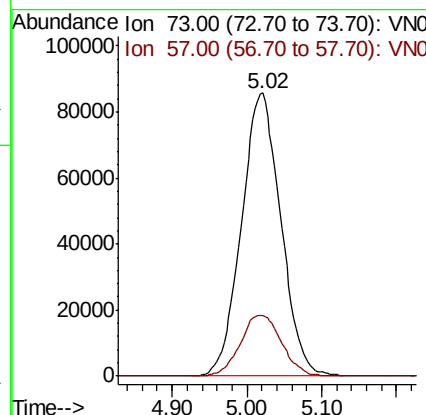
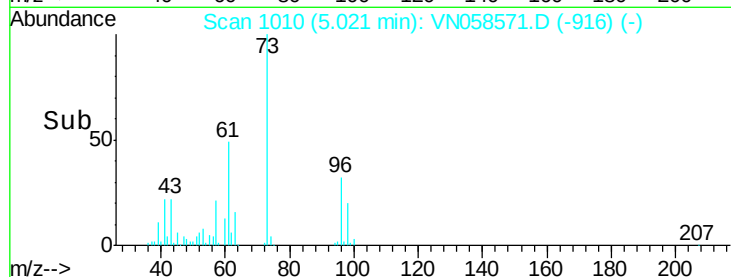
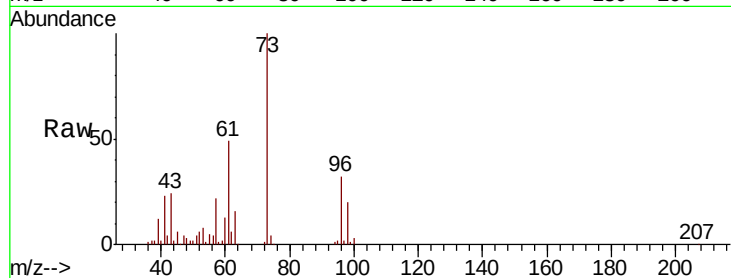
#19
Methyl tert-butyl Ether
Concen: 21.661 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion: 73 Resp: 313628
Ion Ratio Lower Upper
73 100
57 21.6 17.6 26.4

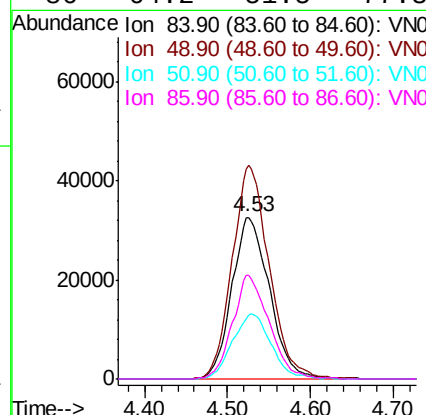
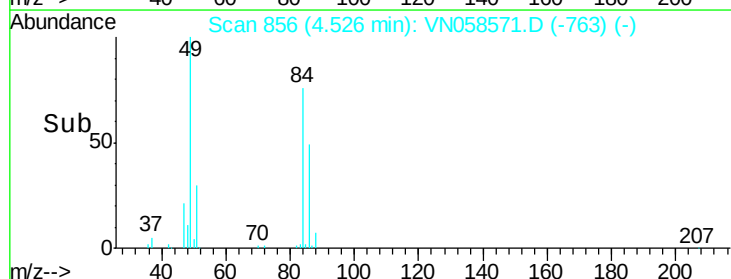
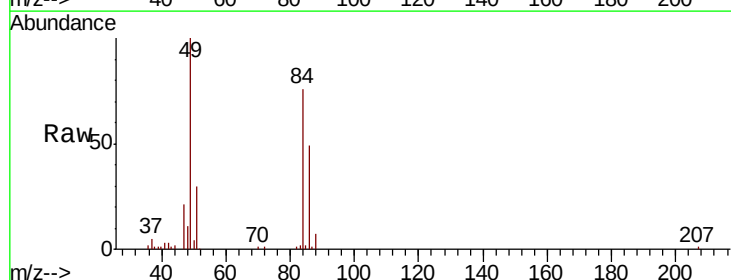
Manual Integrations
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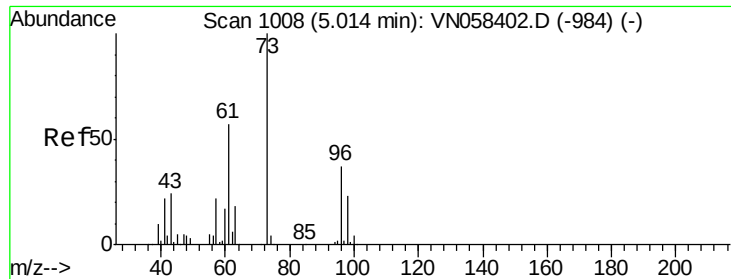
MMDadoda
10/9/2019 10:50:42 AM



#20
Methylene Chloride
Concen: 20.607 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion: 84 Resp: 103048
Ion Ratio Lower Upper
84 100
49 132.1 107.9 161.9
51 39.3 32.8 49.2
86 64.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.874 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

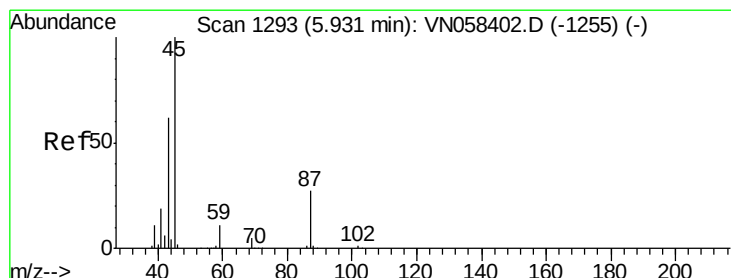
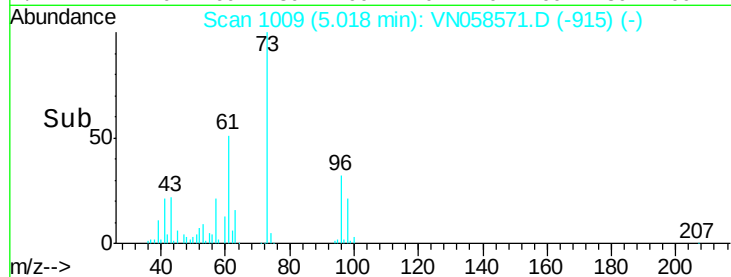
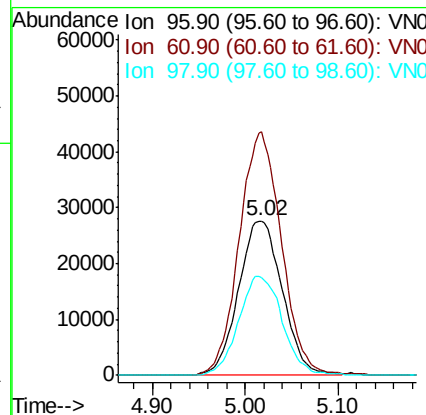
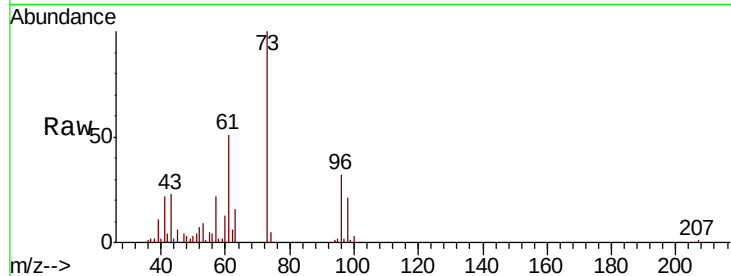
ClientSampled :

VN1007WBS02

Tot Ion:	96	Resp:	90690
Ion	Ratio	Lower	Upper
96	100		
61	157.5	121.9	182.9
98	63.4	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.371 ug/l

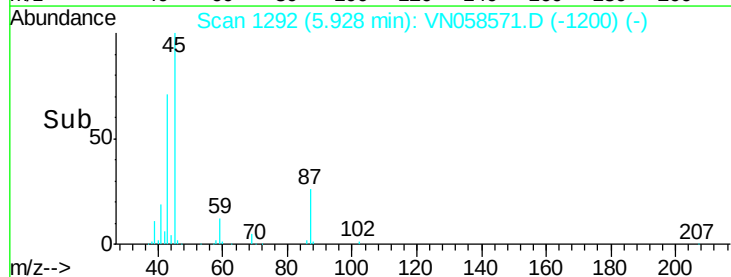
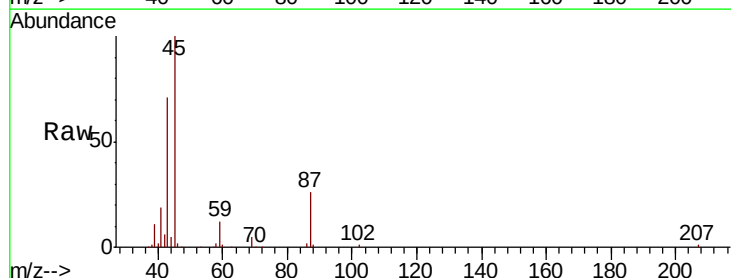
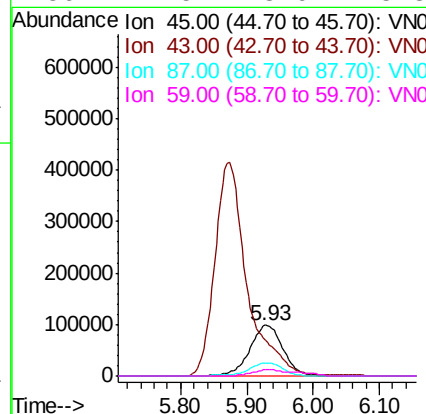
RT: 5.93 min Scan# 1292

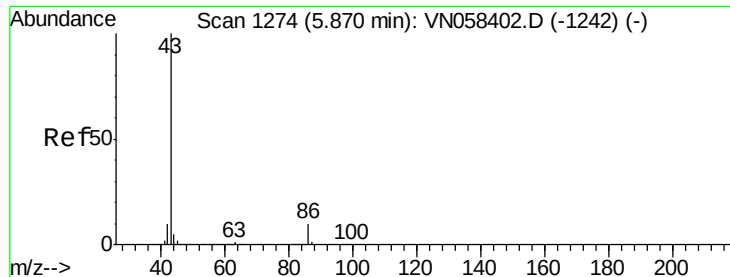
Delta R.T. -0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	45	Resp:	343440
Ion	Ratio	Lower	Upper
45	100		
43	69.0	49.7	74.5
87	25.9	21.5	32.3
59	11.5	8.9	13.3





#23

Vinyl Acetate

Concen: 115.641 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion: 43 Resp: 1401224

Ion Ratio Lower Upper

43 100

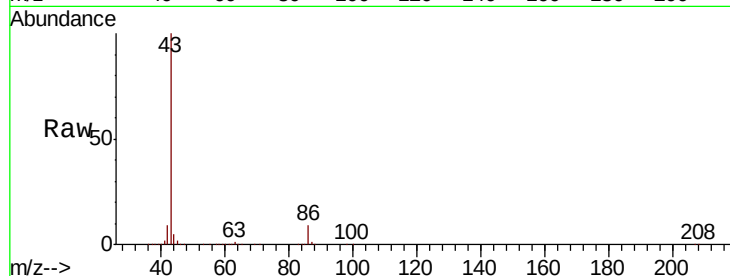
86 9.2 7.7 11.5

Manual Integrations

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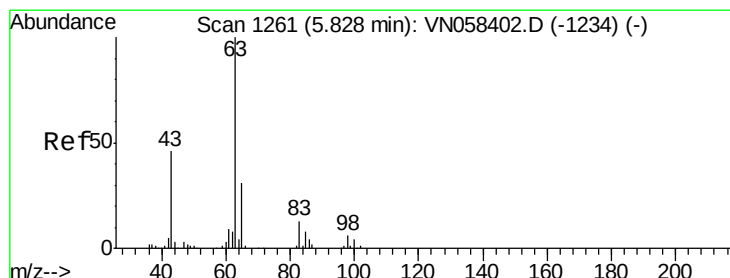
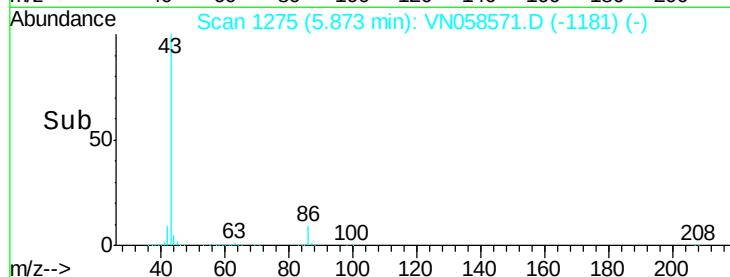
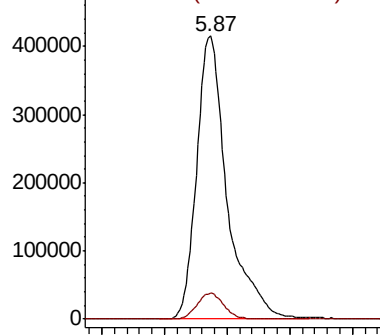
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 21.243 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

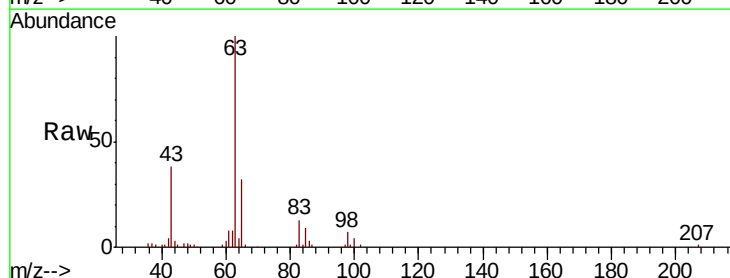
Tgt Ion: 63 Resp: 192124

Ion Ratio Lower Upper

63 100

98 6.9 3.0 9.0

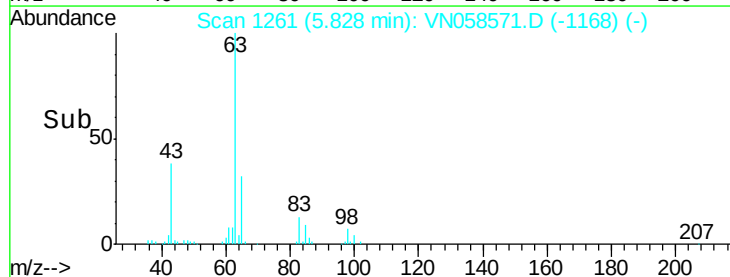
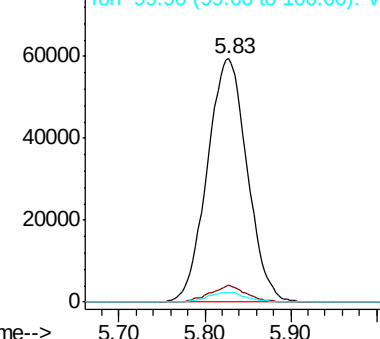
100 4.0 2.0 5.8

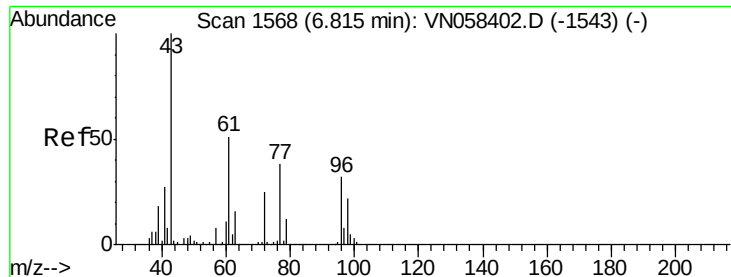


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 113.301 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampled :

VN1007WBS02

Tot Ion: 43 Resp: 337087

Ion Ratio Lower Upper

43 100

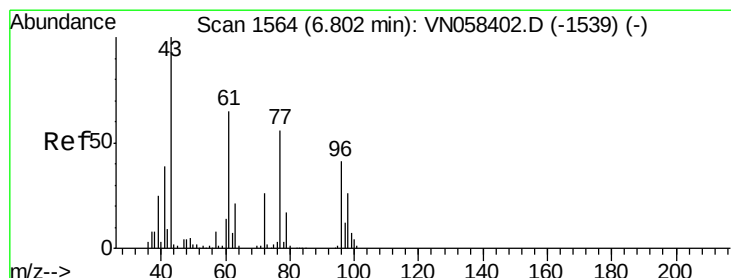
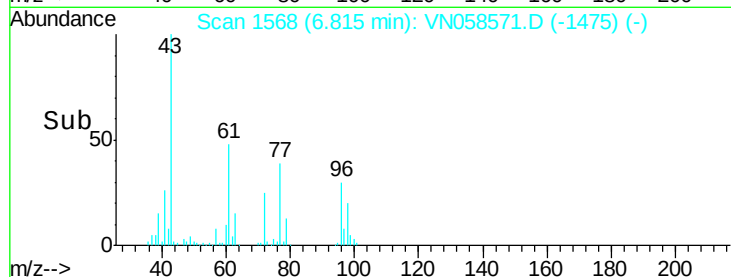
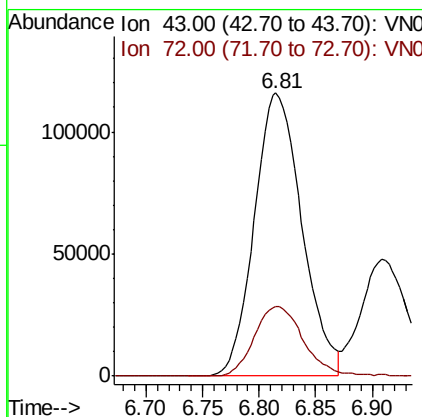
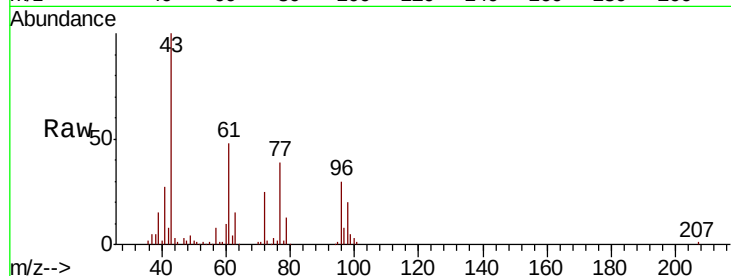
72 24.8 20.2 30.4

Manual Integrations

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MMDadoda

10/9/2019 10:50:42 AM



#26

2,2-Dichloropropane

Concen: 22.950 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058571.D

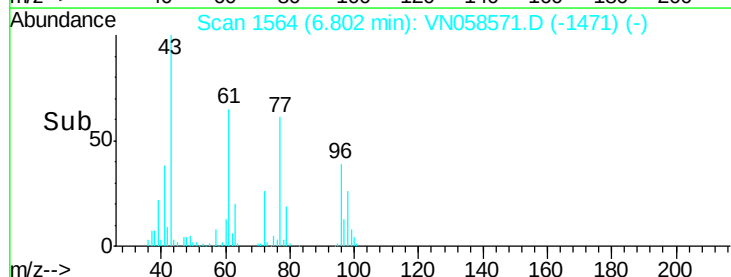
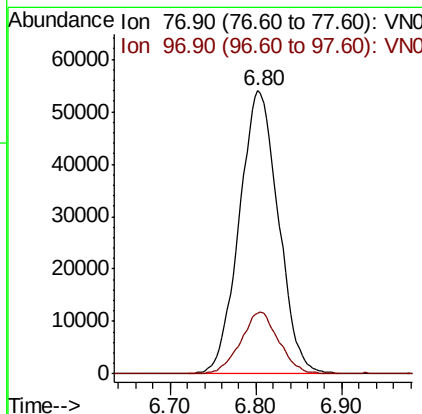
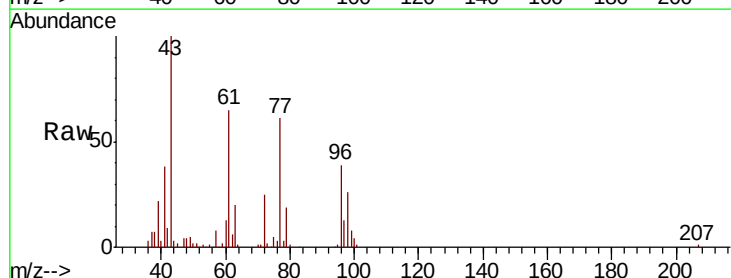
Acq: 7 Oct 2019 17:08

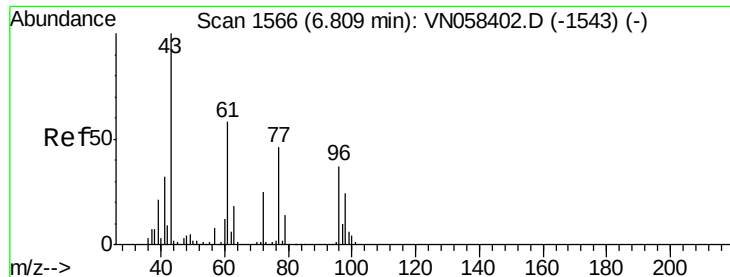
Tgt Ion: 77 Resp: 170638

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.668 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

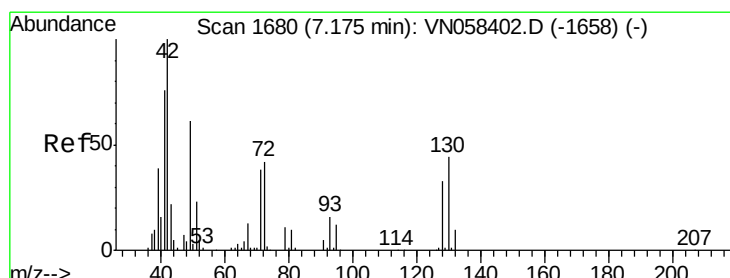
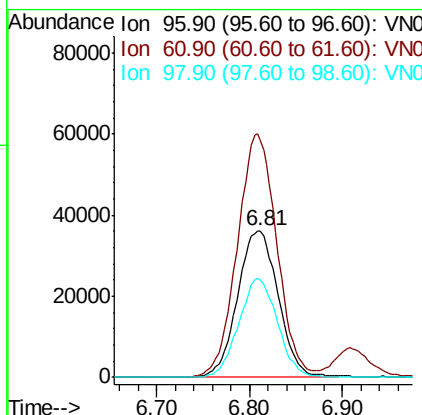
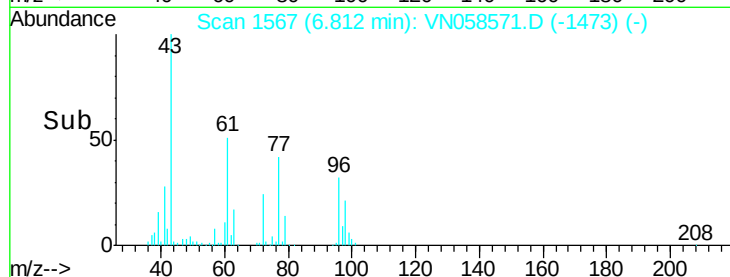
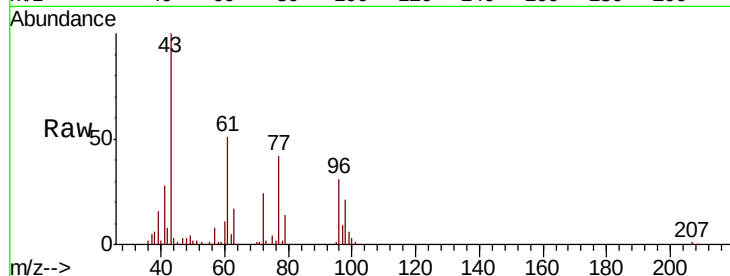
ClientSampleId :

VN1007WBS02

Tot Ion:	96	Resp:	110228
Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	318.8
98	64.0	0.0	129.8

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#28

Bromochloromethane

Concen: 21.075 ug/l

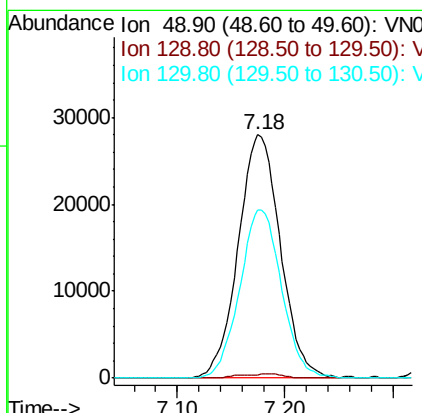
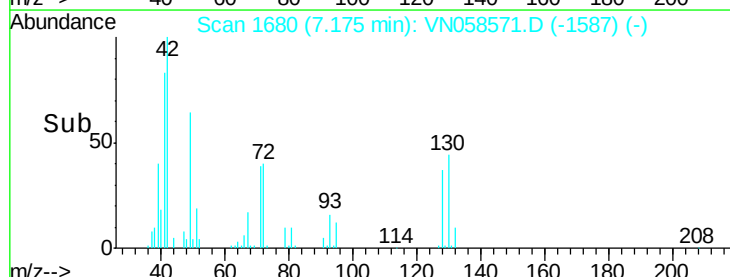
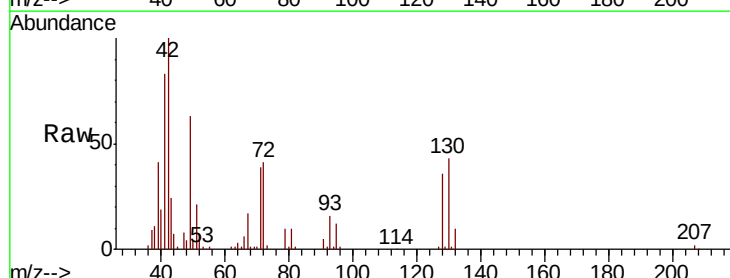
RT: 7.18 min Scan# 1680

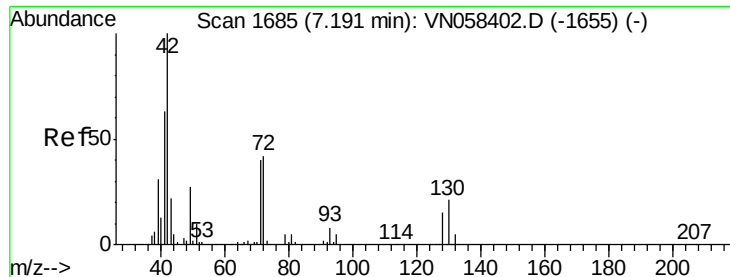
Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	49	Resp:	76191
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	68.3	56.3	84.5





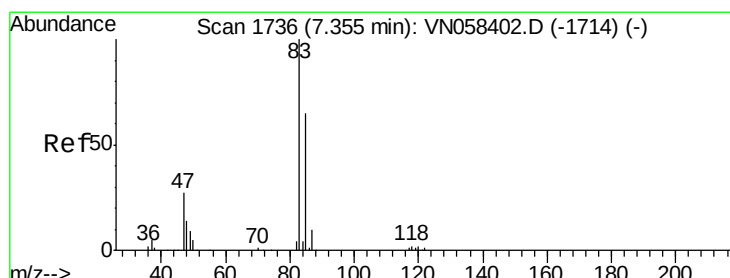
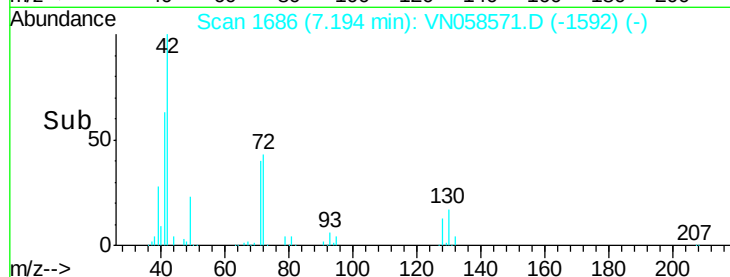
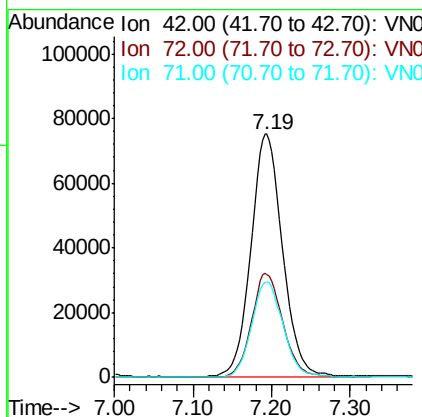
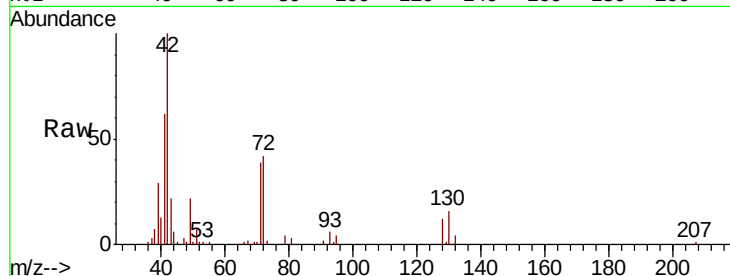
#29
Tetrahydrofuran
Concen: 114.035 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	39.2	31.8	47.6

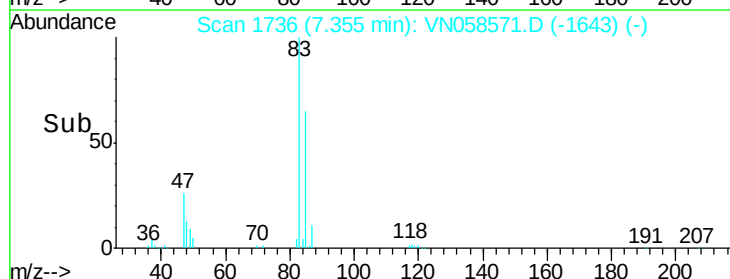
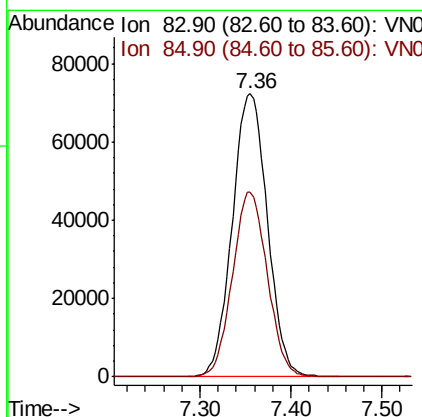
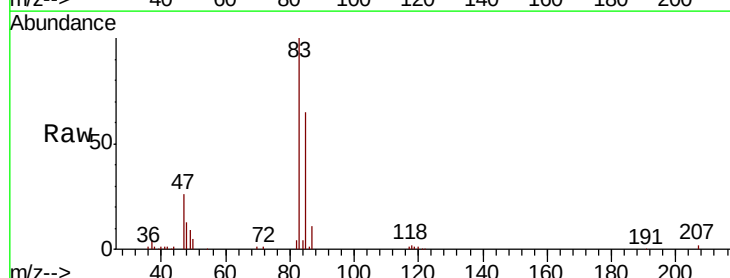
Manual Integrations
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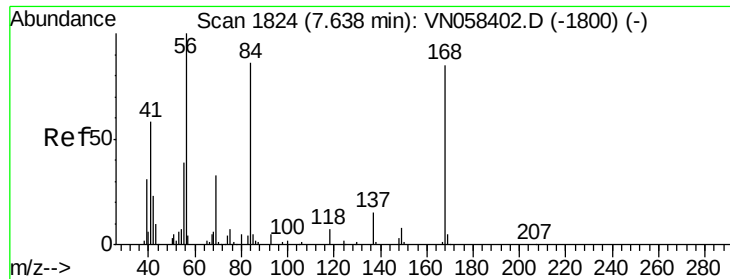
MMDadoda
10/9/2019 10:50:42 AM



#30
Chloroform
Concen: 21.162 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.0	78.0





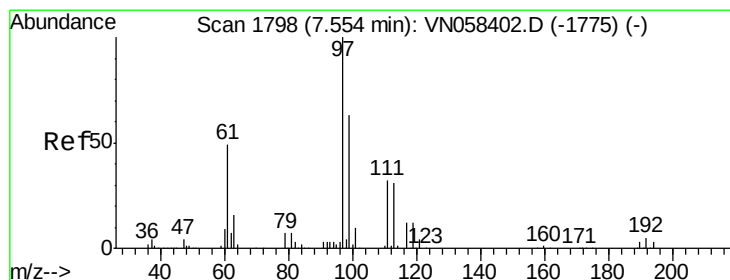
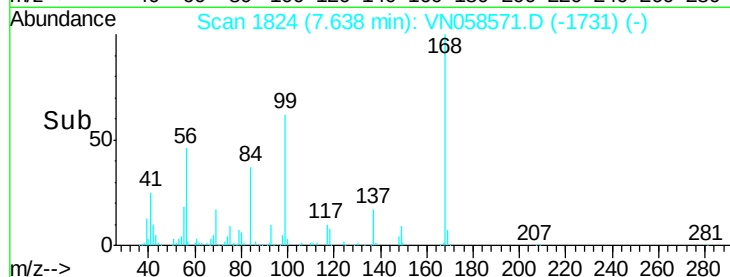
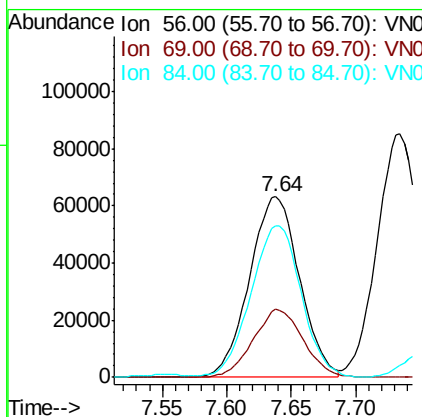
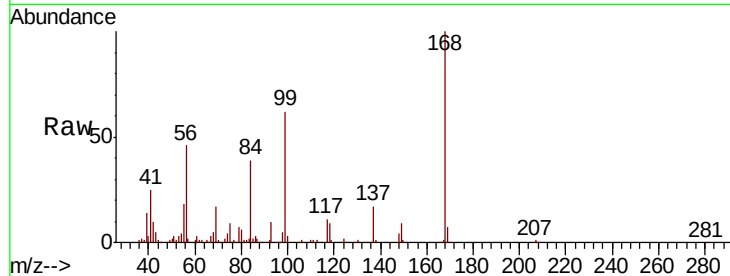
#31
Cyclohexane
Concen: 19.435 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.7	26.2	39.4	
84	83.1	67.6	101.4	

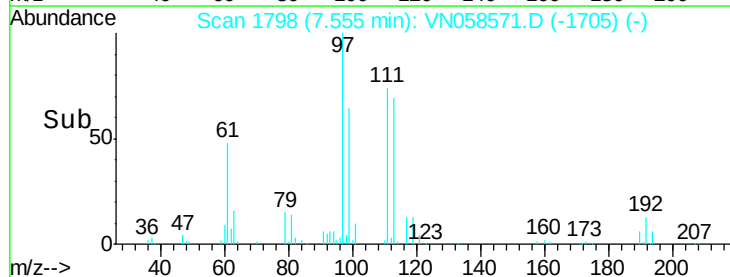
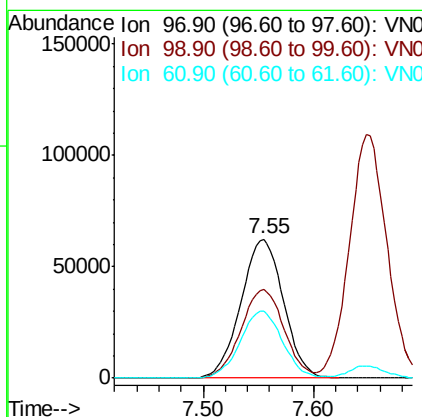
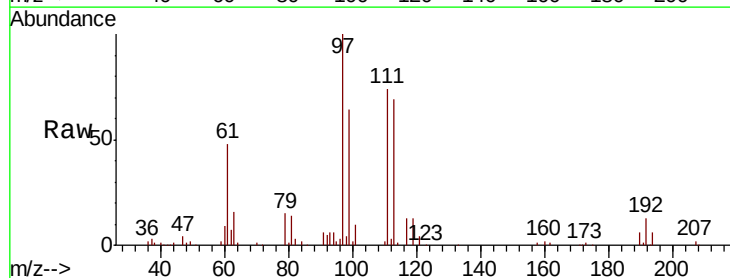
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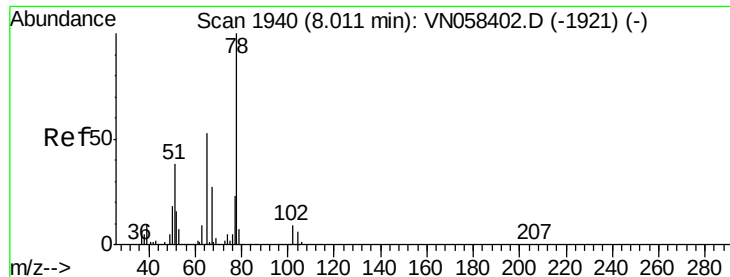
MMDadoda
10/9/2019 10:50:42 AM



#32
1,1,1-Trichloroethane
Concen: 22.218 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	51.1	76.7	
61	47.9	39.2	58.8	





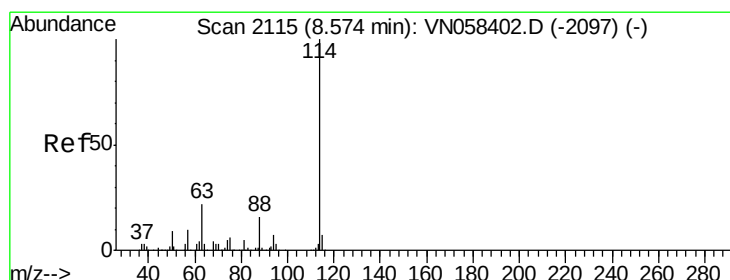
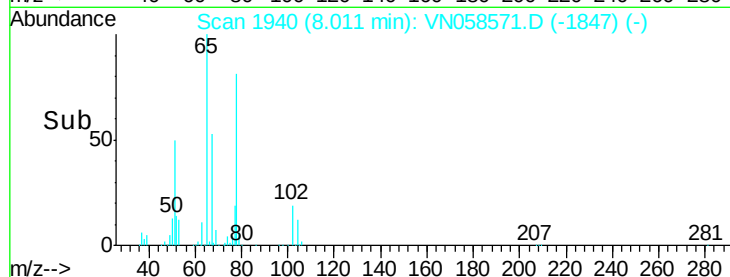
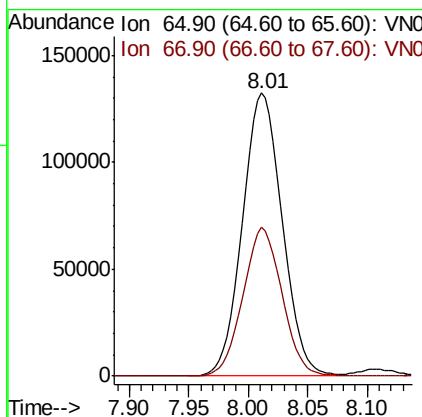
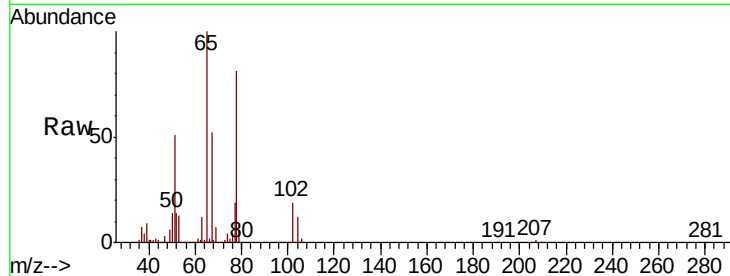
#33
 1,2-Dichloroethane-d4
 Concen: 48.270 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.4

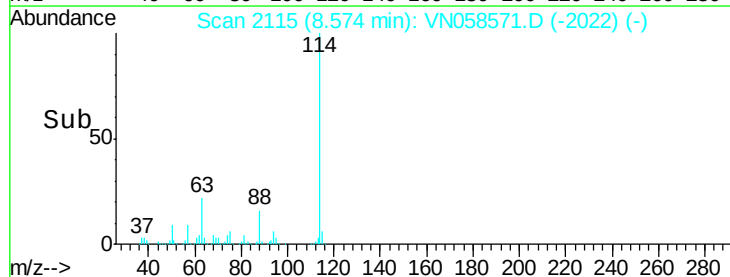
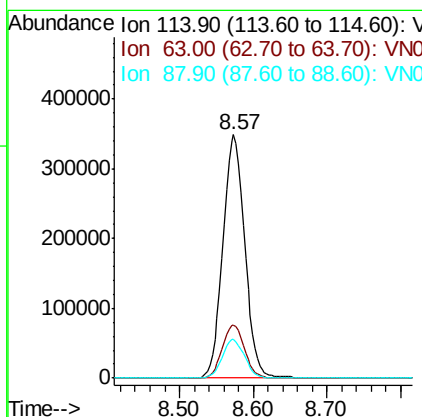
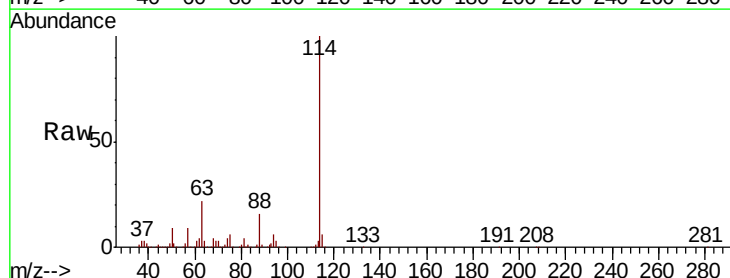
Manual Integrations
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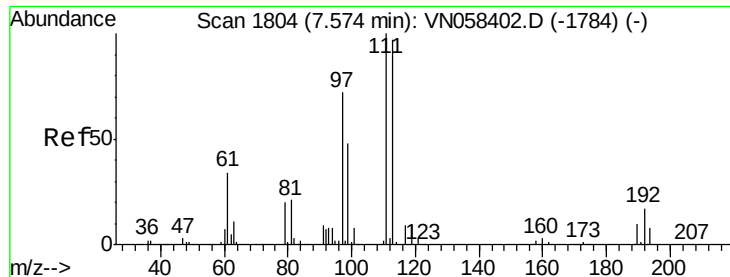
MMDadoda
 10/9/2019 10:50:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	45.0
88	16.0	0.0	32.2





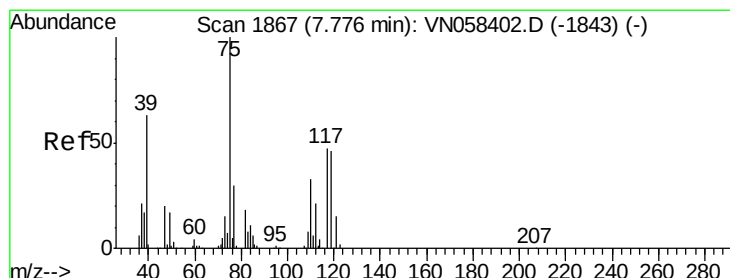
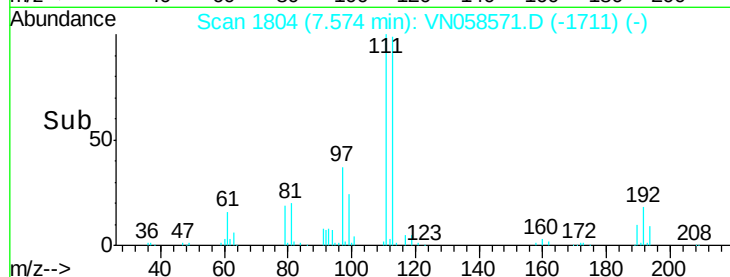
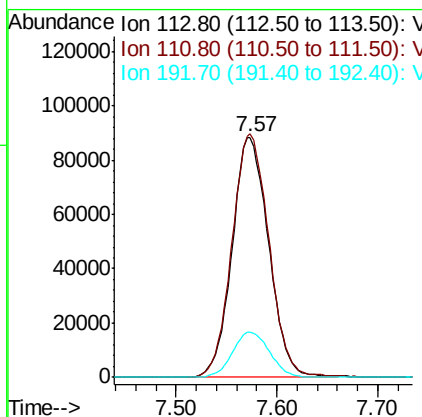
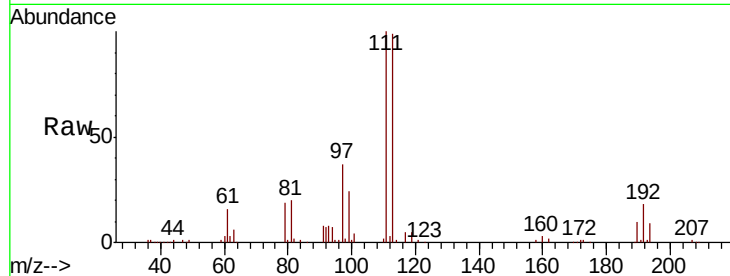
#35
 Dibromofluoromethane
 Concen: 50.310 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222254		
111	102.8	83.4	125.2	
192	19.1	14.9	22.3	

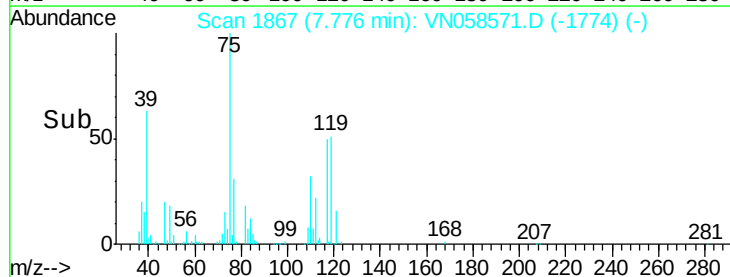
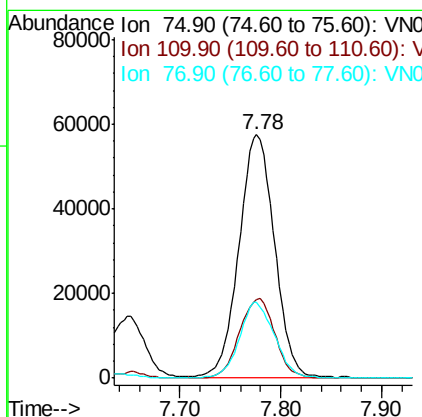
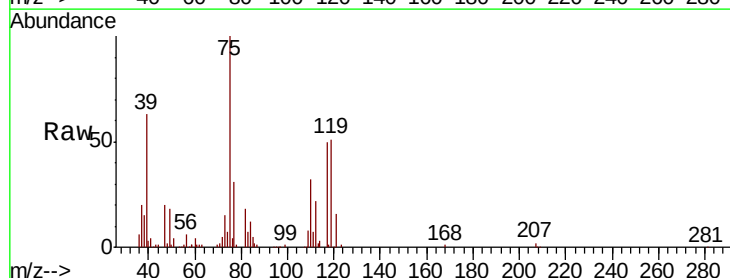
Manual Integrations
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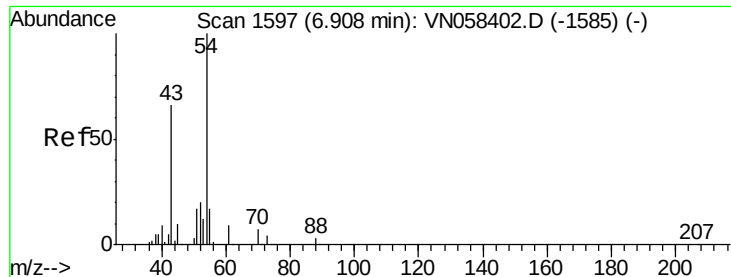
MMDadoda
 10/9/2019 10:50:42 AM



#36
 1,1-Dichloropropene
 Concen: 20.261 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139646		
110	32.6	16.4	49.2	
77	31.2	24.3	36.5	





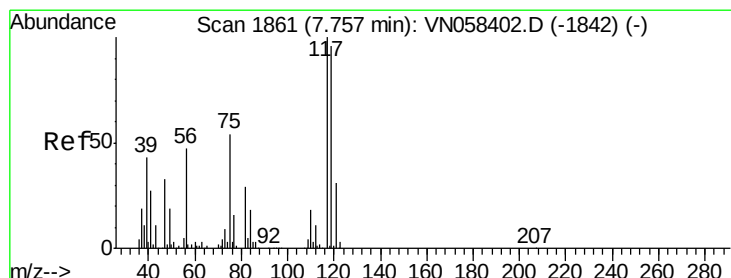
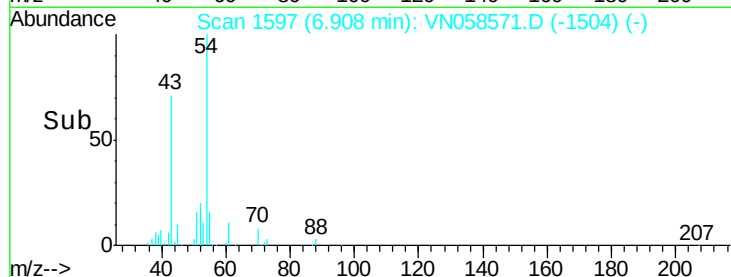
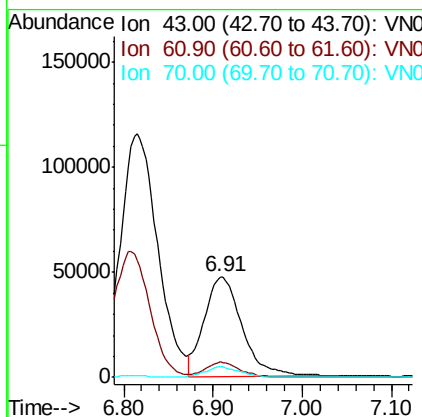
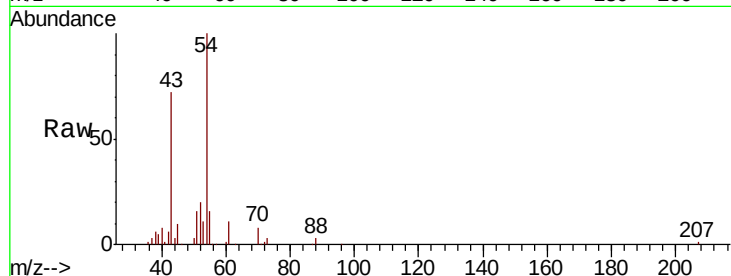
#37
Ethyl Acetate
Concen: 23.918 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	10.0	7.8	11.6

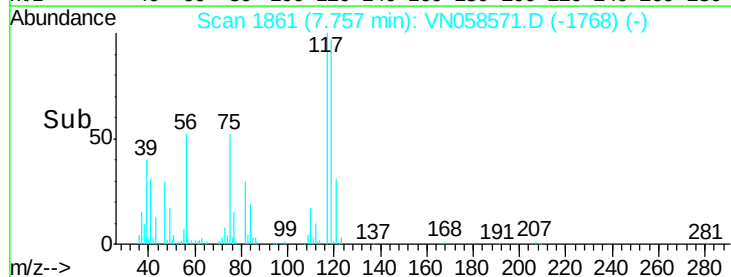
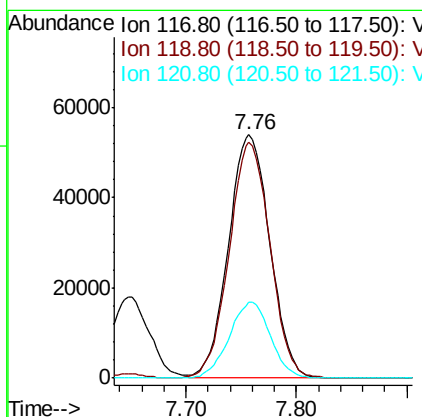
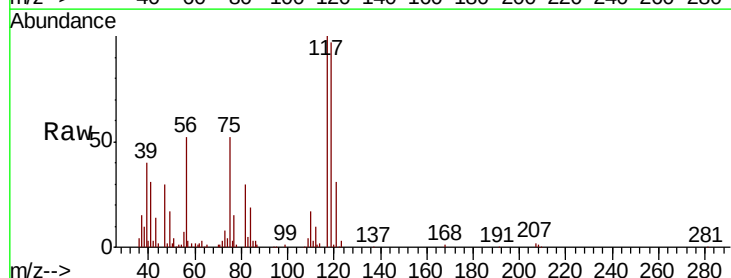
Manual Integrations
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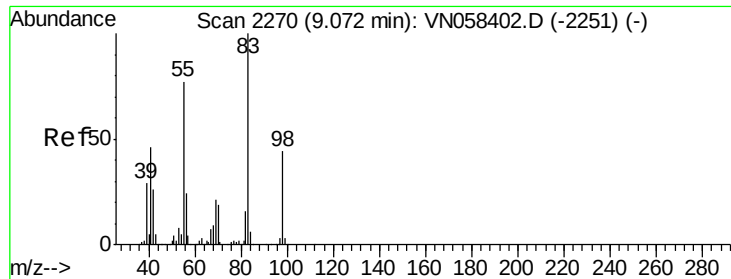
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.583 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	115.0
121	31.0	24.7	37.1





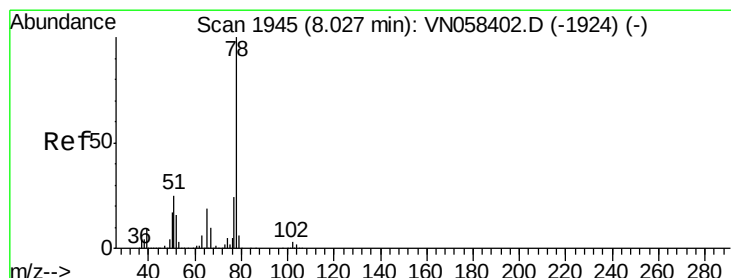
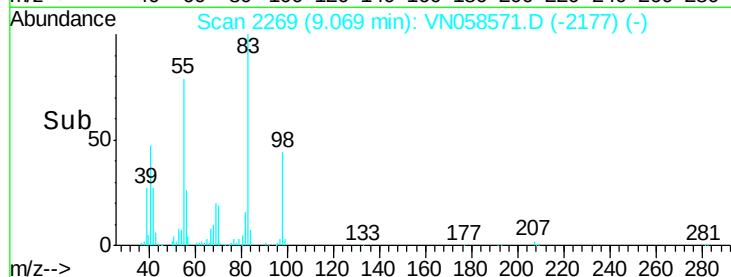
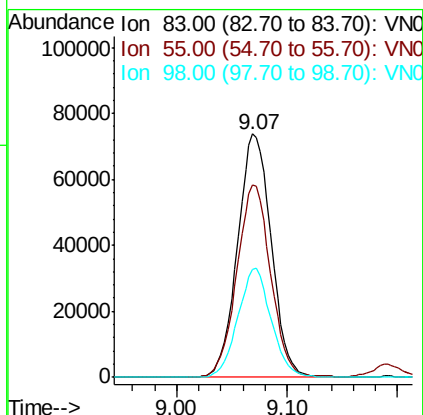
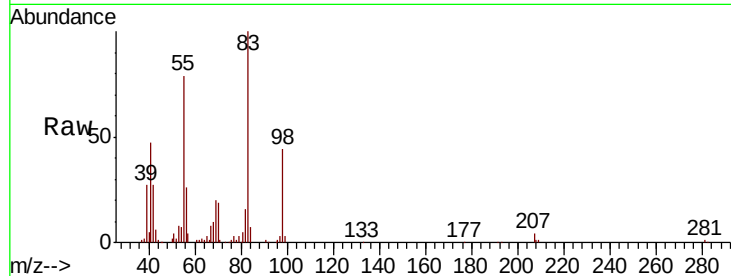
#39
Methylvlcyclohexane
Concen: 19.402 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.8	92.6
98	44.3	35.4	53.0

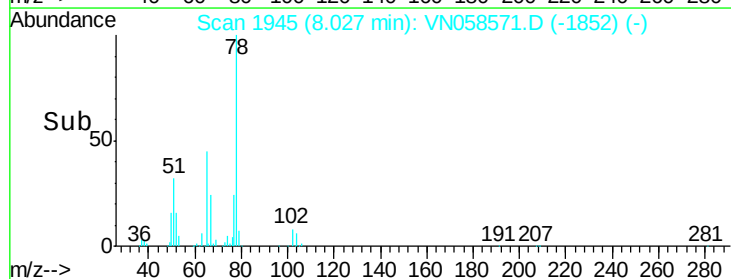
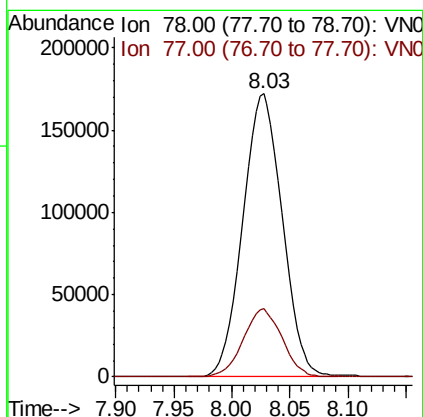
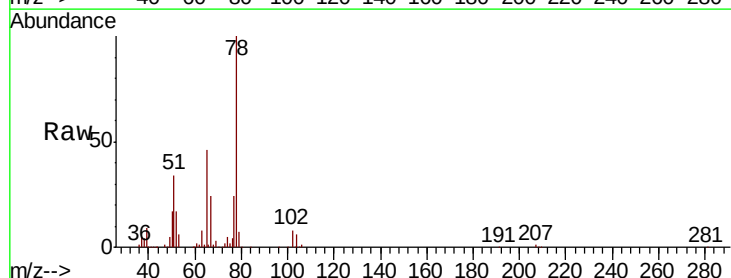
Manual Integrations
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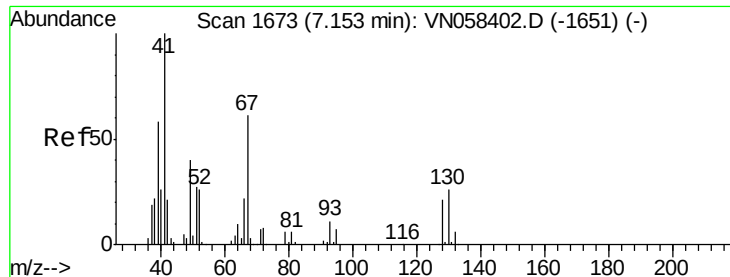
MMDadoda
10/9/2019 10:50:42 AM



#40
Benzene
Concen: 20.628 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





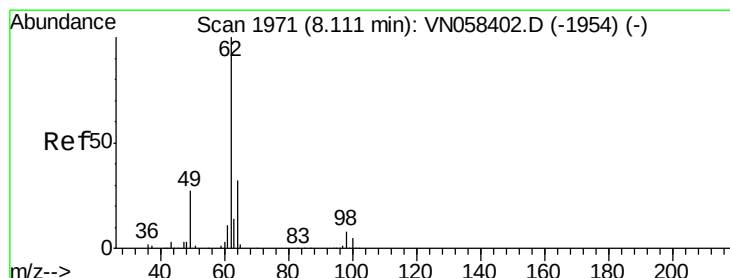
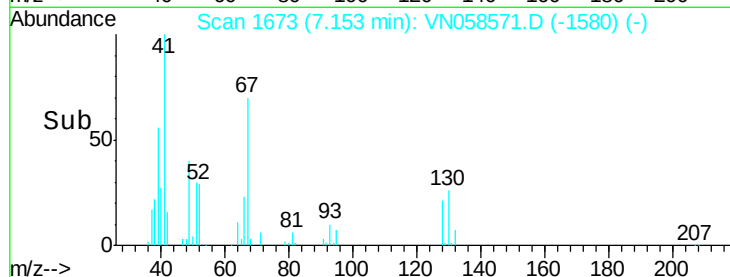
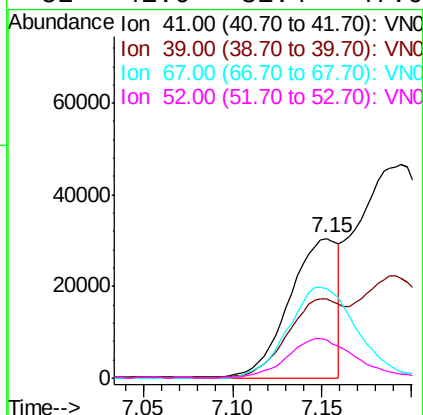
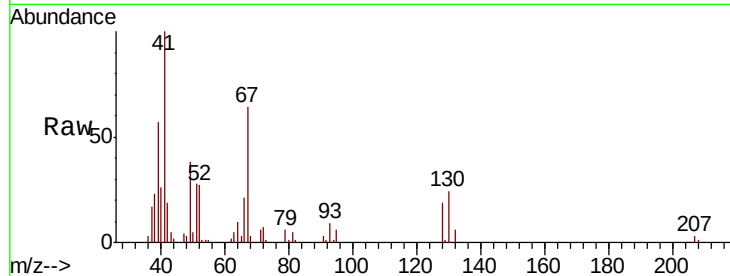
#41
Methacrylonitrile
Concen: 21.611 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.1	50.2	75.4	
67	93.2	70.2	105.4	
52	41.0	31.4	47.0	

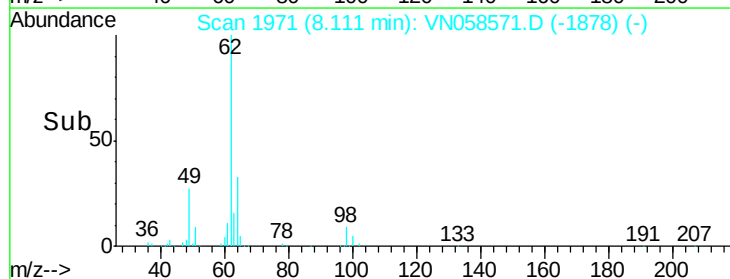
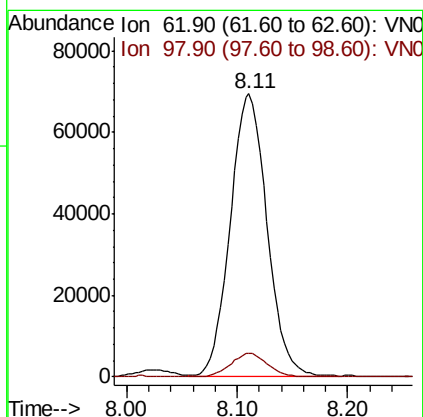
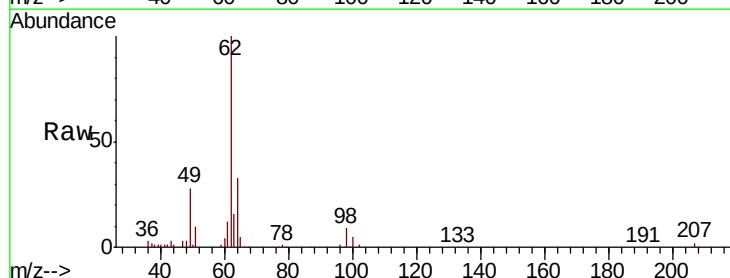
Manual Integrations
APPROVED

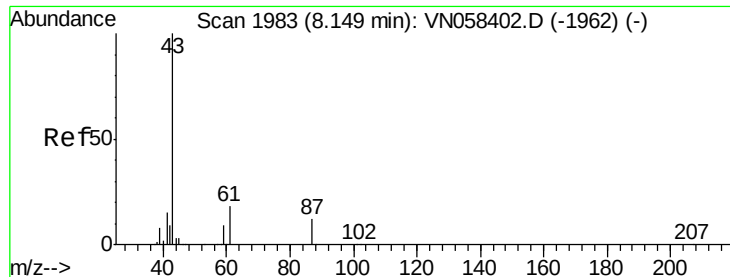
MMDadoda
10/9/2019 10:50:42 AM



#42
1,2-Dichloroethane
Concen: 20.699 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	15.6	





#43

Isopropyl Acetate

Concen: 21.190 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

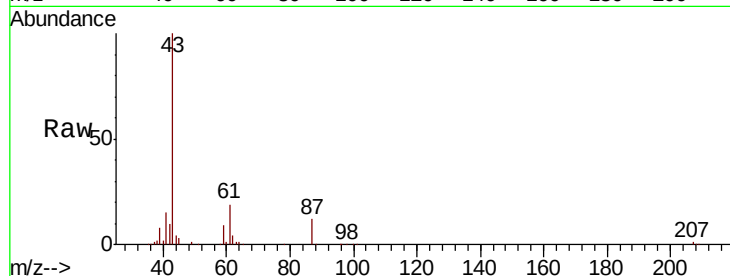
ClientSampleId :

VN1007WBS02

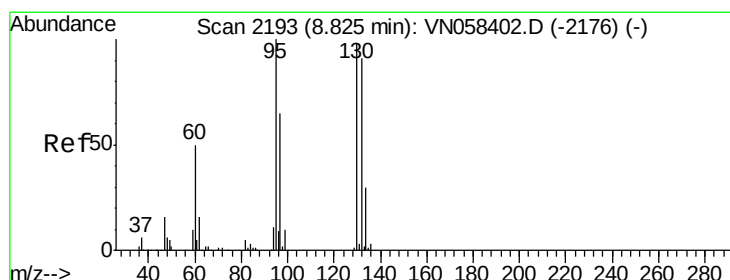
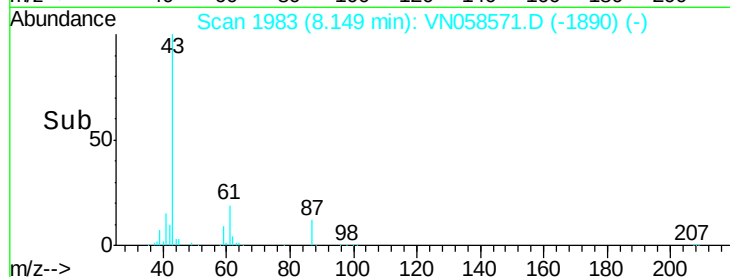
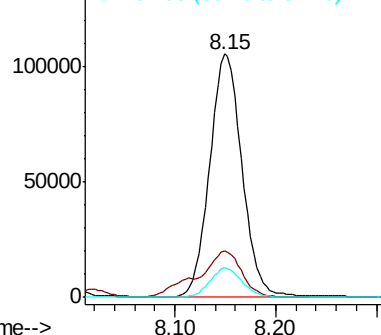
Tot Ion:	43	Resp:	232843
Ion Ratio	Lower	Upper	
43	100		
61	26.3	14.8	22.2#
87	12.2	9.7	14.5

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Abundance Ion 43.00 (42.70 to 43.70): VN058571.D (-1890) (-)



#44

Trichloroethene

Concen: 20.988 ug/l

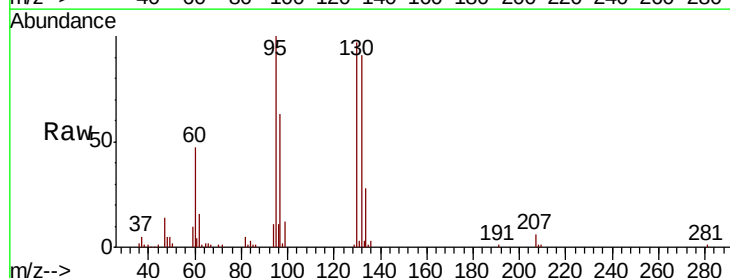
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

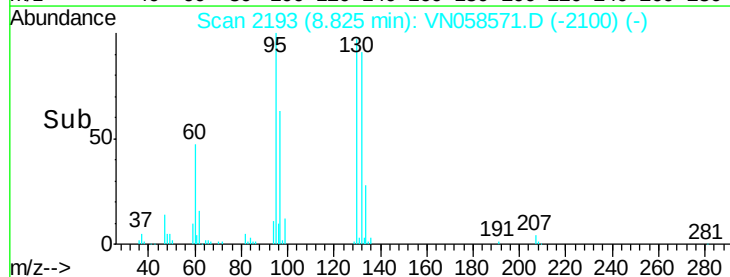
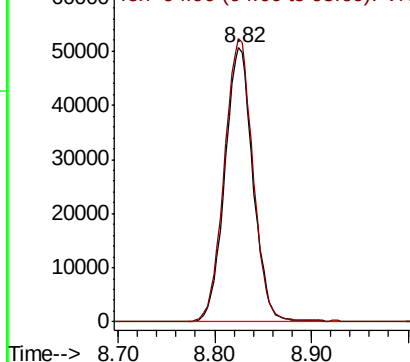
Lab File: VN058571.D

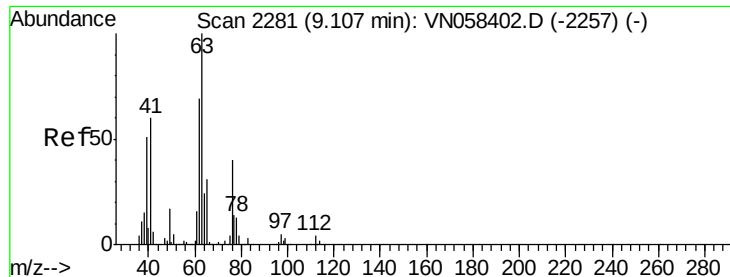
Acq: 7 Oct 2019 17:08

Tgt Ion:	130	Resp:	102672
Ion Ratio	Lower	Upper	
130	100		
95	103.3	0.0	204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058571.D (-2100) (-)





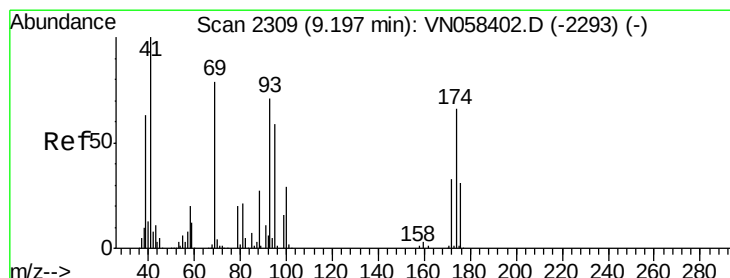
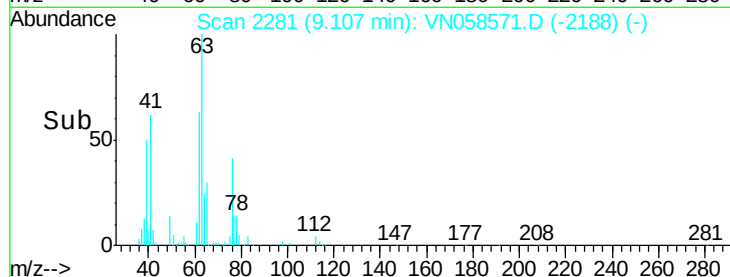
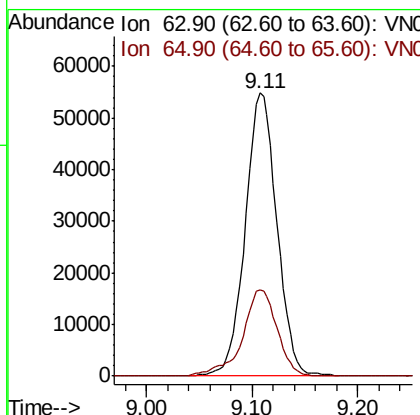
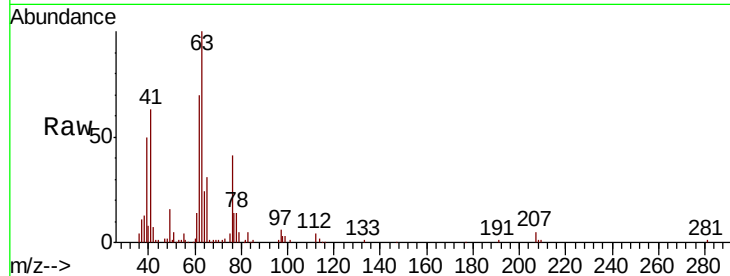
#45
 1,2-Dichloropropane
 Concen: 21.619 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.0	37.4

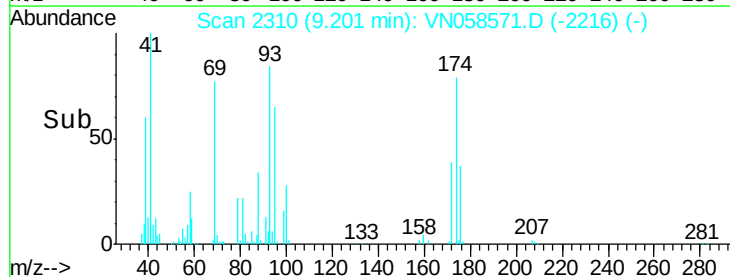
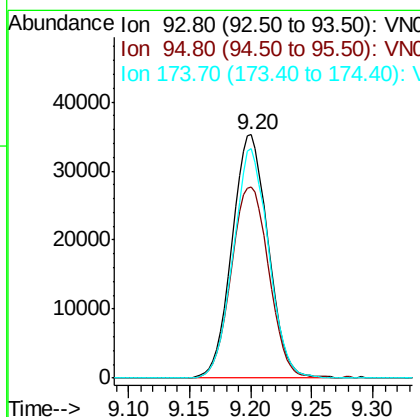
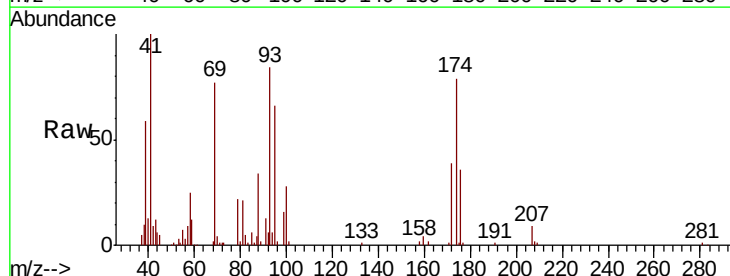
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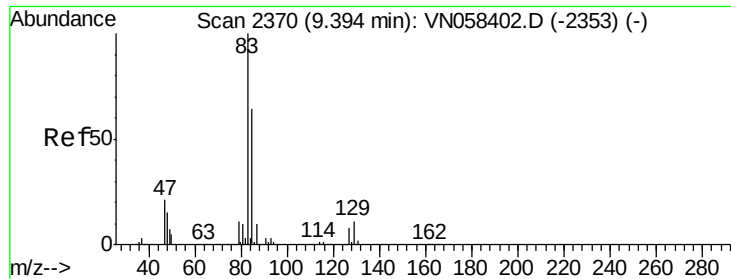
MMDadoda
 10/9/2019 10:50:42 AM



#46
 Dibromomethane
 Concen: 21.546 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.0	100.4
174	92.1	74.2	111.2





#47

Bromodichloromethane

Concen: 23.141 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

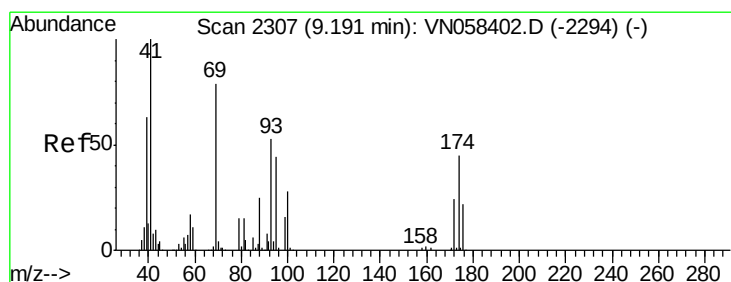
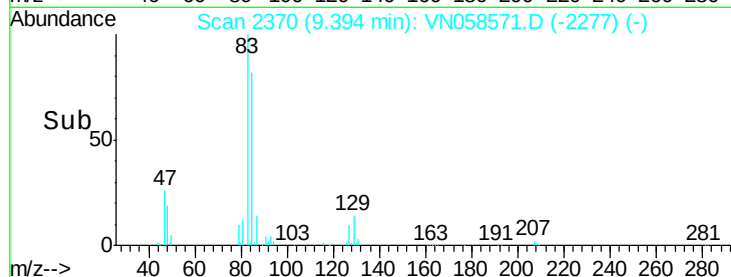
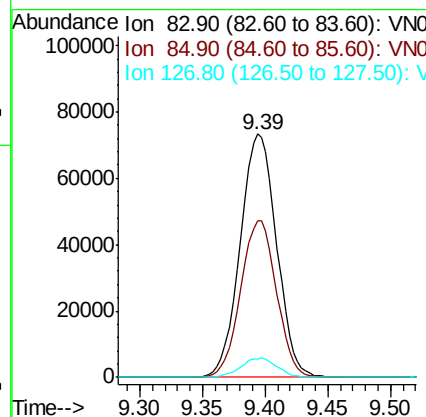
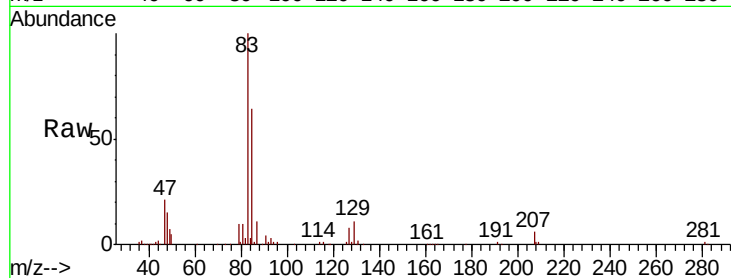
ClientSampleId :

VN1007WBS02

Tot Ion:	83	Resp:	147529
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	7.7	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.446 ug/l

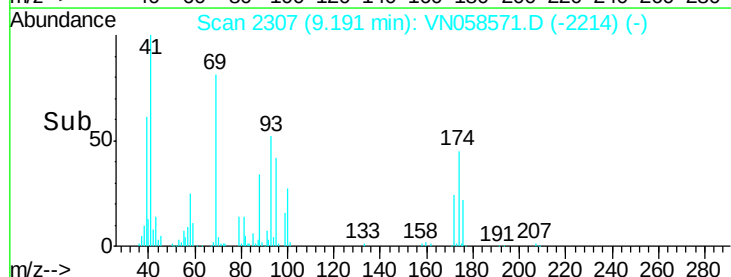
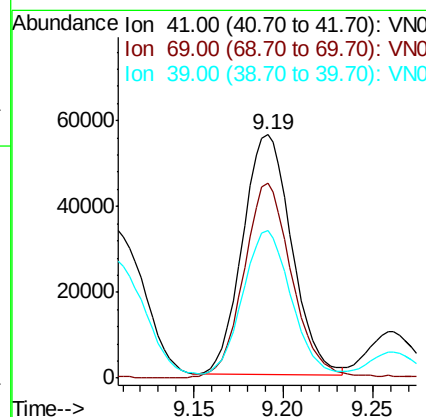
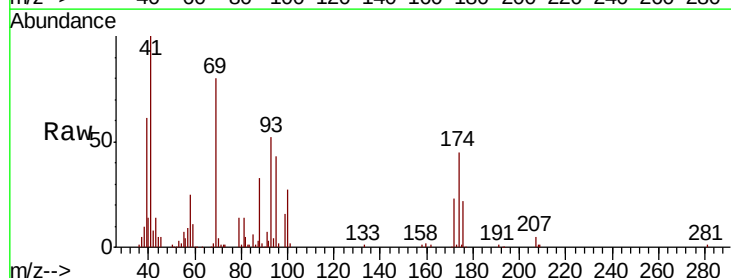
RT: 9.19 min Scan# 2307

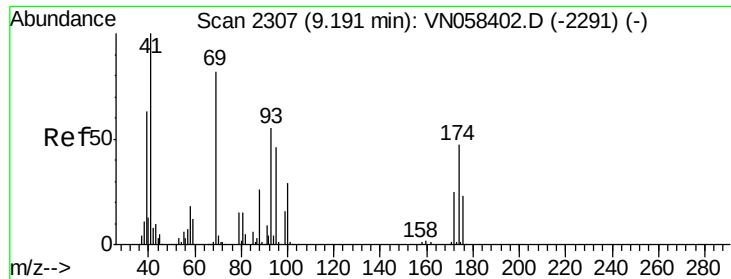
Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	41	Resp:	107304
Ion	Ratio	Lower	Upper
41	100		
69	80.6	64.7	97.1
39	61.6	52.9	79.3





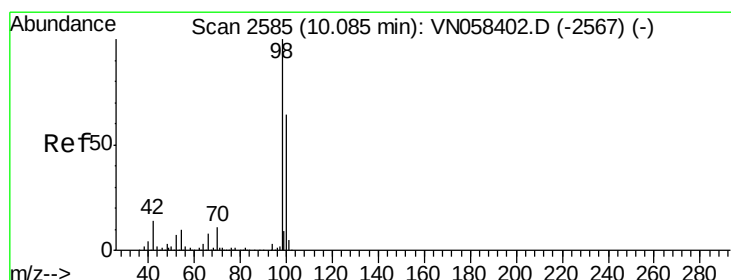
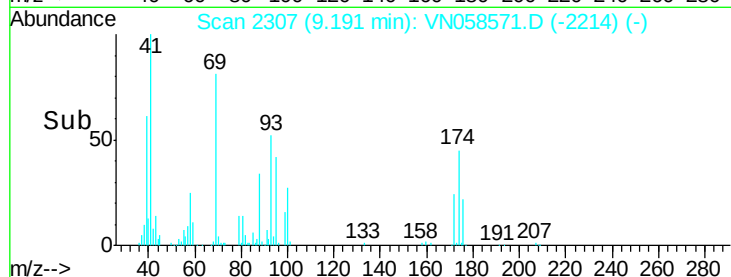
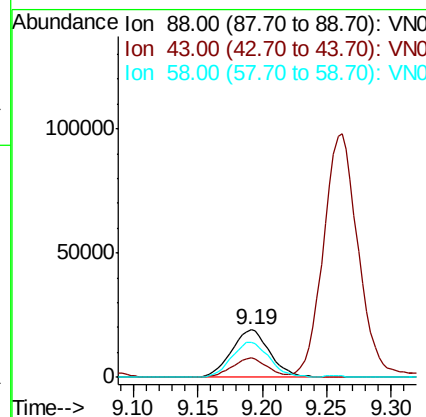
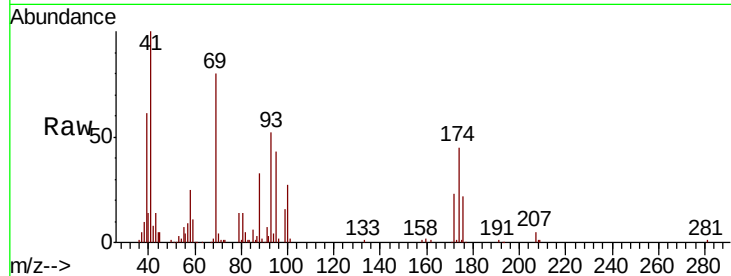
#49
1,4-Dioxane
Concen: 593.542 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	31.1	46.7
58	72.1	58.1	87.1

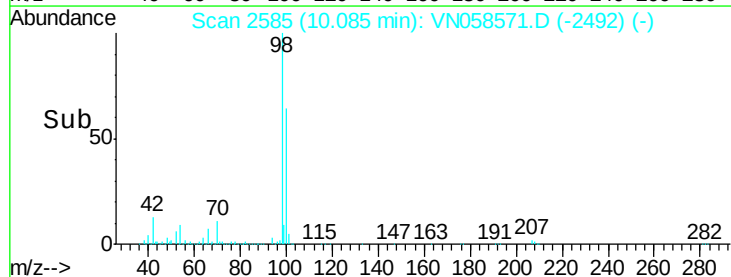
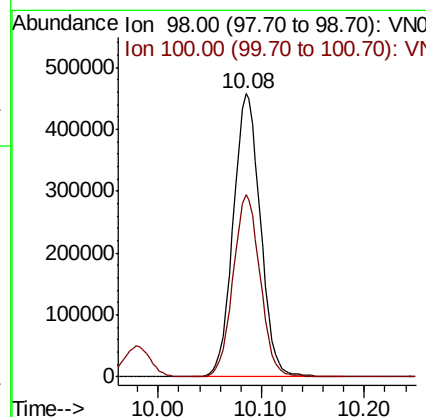
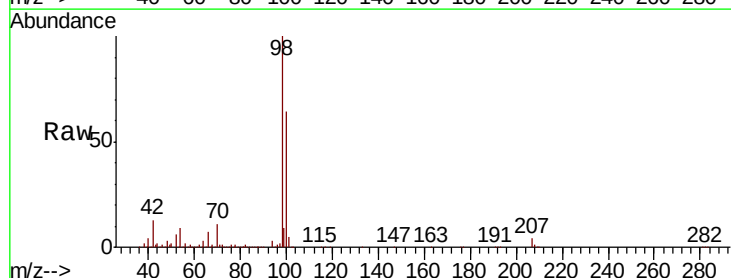
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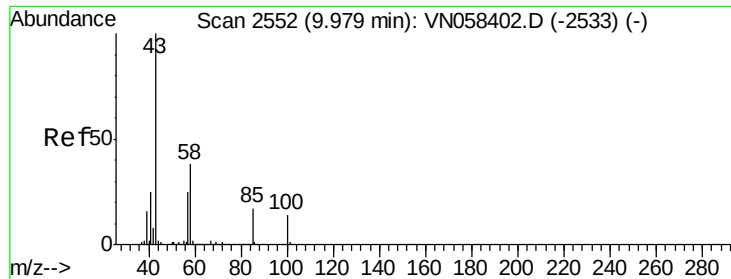
MMDadoda
10/9/2019 10:50:42 AM



#50
Toluene-d8
Concen: 48.550 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 122.842 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion: 43 Resp: 693363

Ion Ratio Lower Upper

43 100

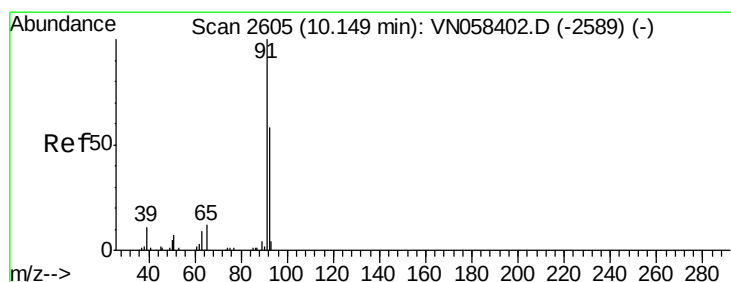
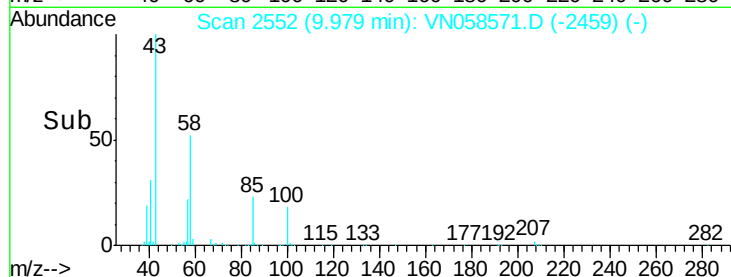
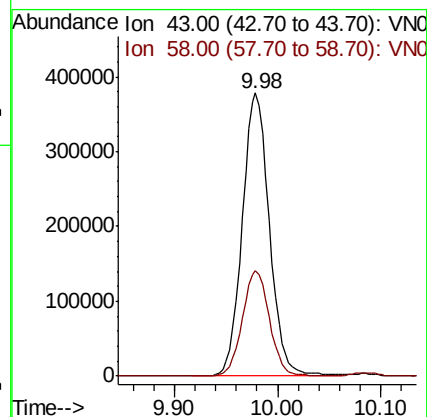
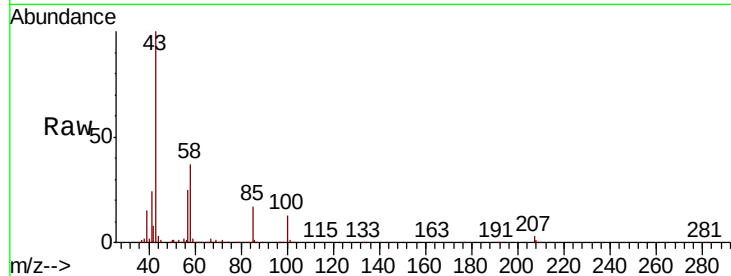
58 37.3 30.2 45.2

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#52

Toluene

Concen: 20.438 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058571.D

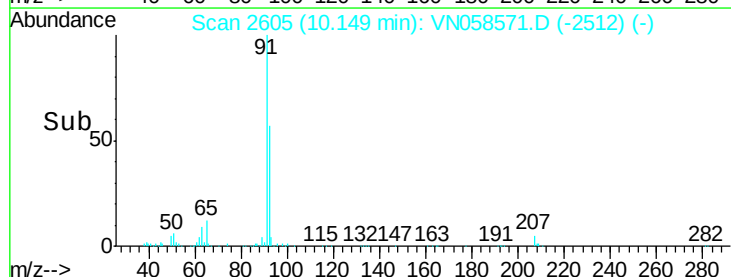
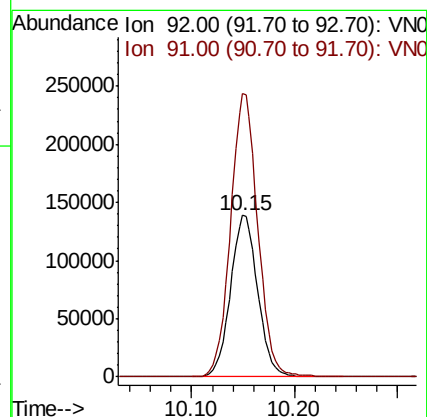
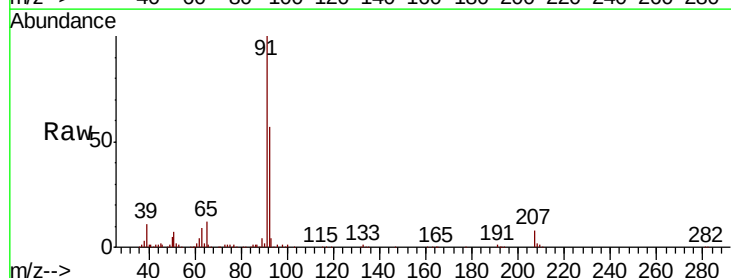
Acq: 7 Oct 2019 17:08

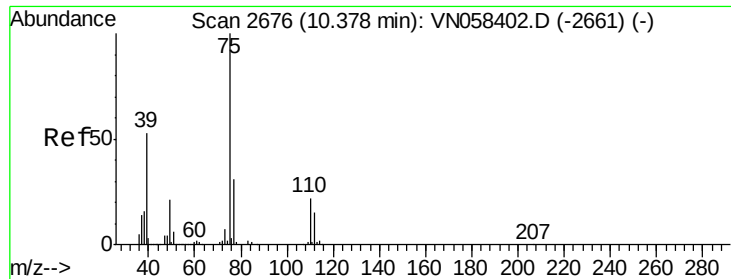
Tgt Ion: 92 Resp: 254861

Ion Ratio Lower Upper

92 100

91 175.8 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 23.552 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion: 75 Resp: 163429

Ion Ratio Lower Upper

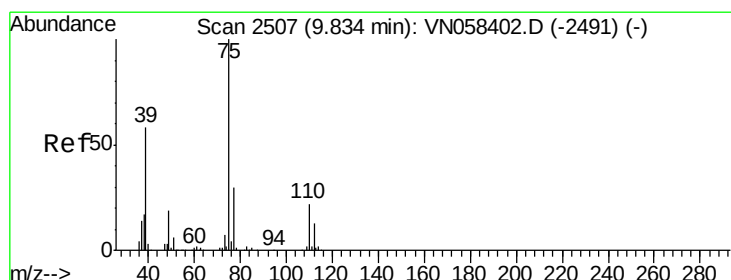
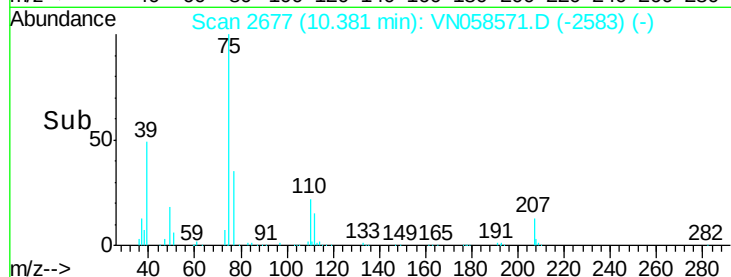
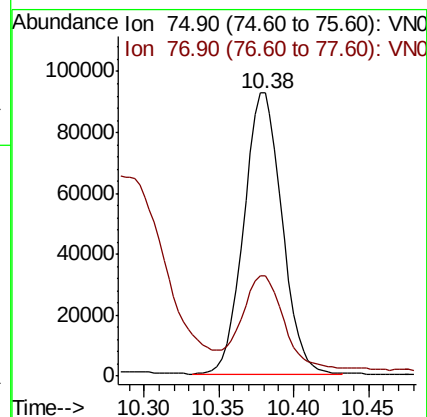
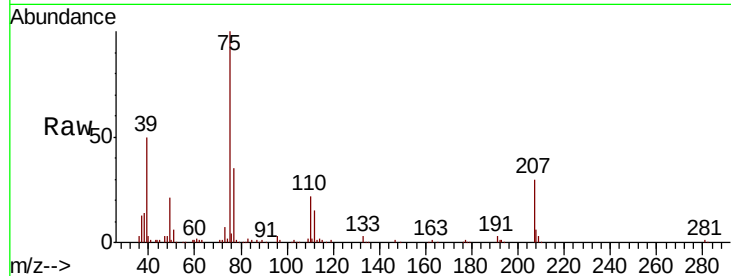
75 100

77 32.7 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 23.022 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

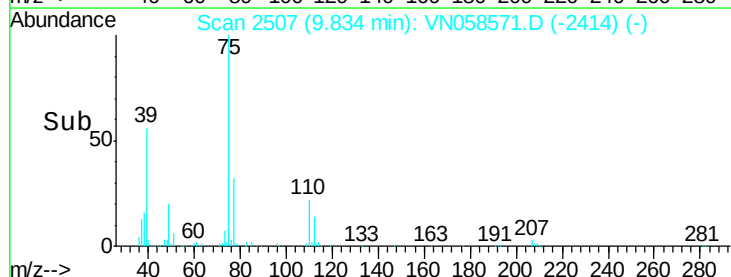
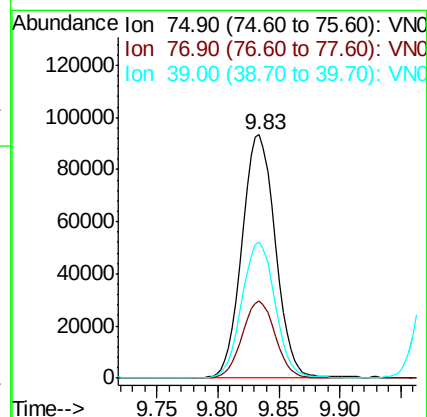
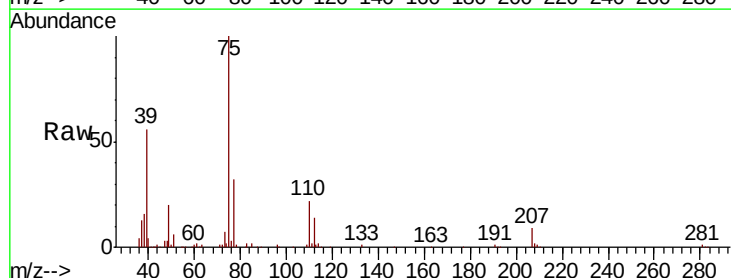
Tgt Ion: 75 Resp: 177327

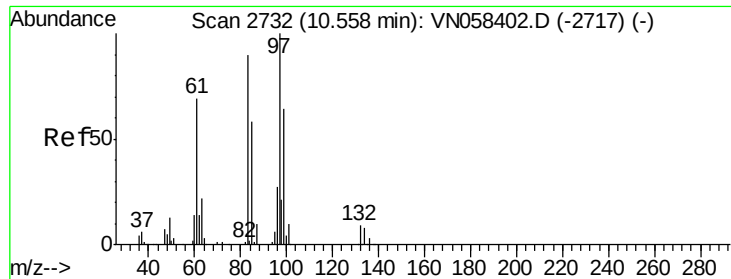
Ion Ratio Lower Upper

75 100

77 31.6 24.2 36.4

39 55.9 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 22.991 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

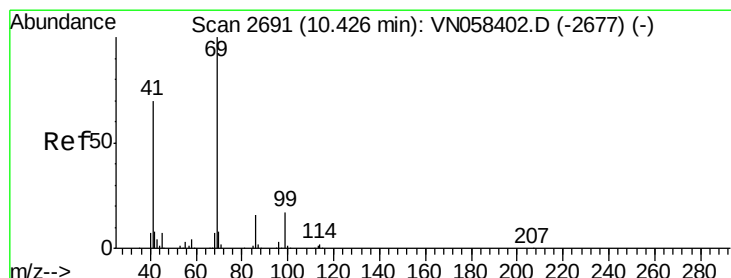
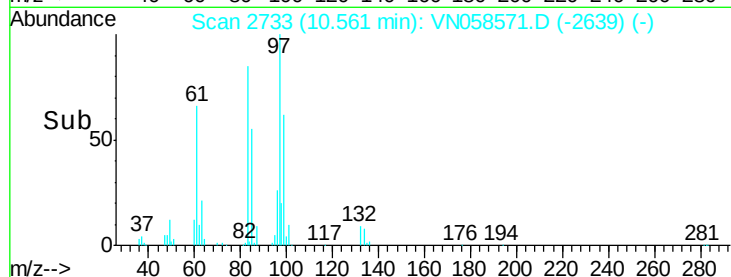
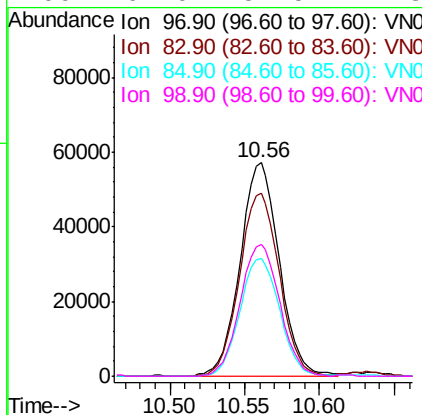
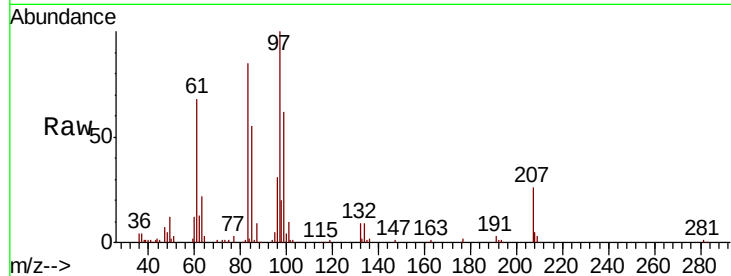
ClientSampleId :

VN1007WBS02

Tot Ion:	97	Resp:	104389
Ion	Ratio	Lower	Upper
97	100		
83	85.4	71.8	107.6
85	54.9	46.6	69.8
99	62.0	51.5	77.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.087 ug/l

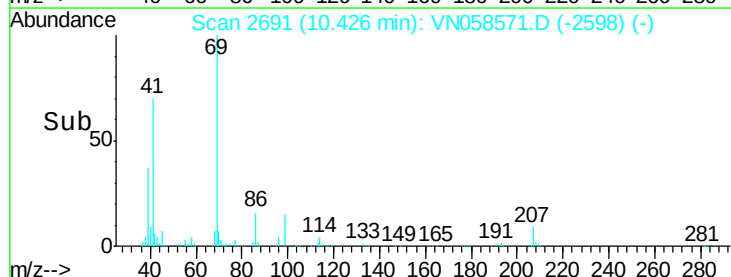
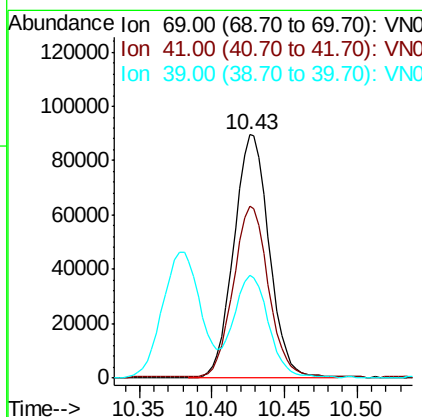
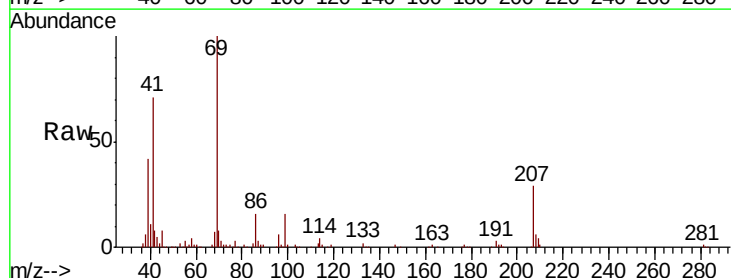
RT: 10.43 min Scan# 2691

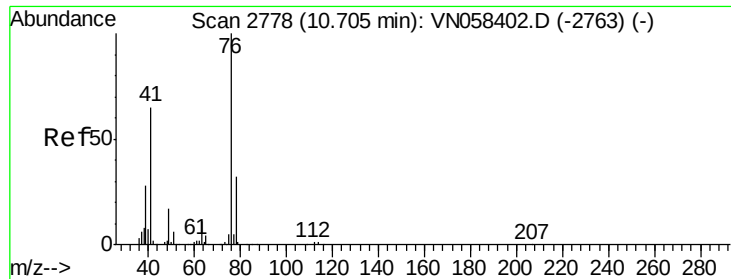
Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	69	Resp:	152172
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.3	84.5
39	41.7	35.8	53.6





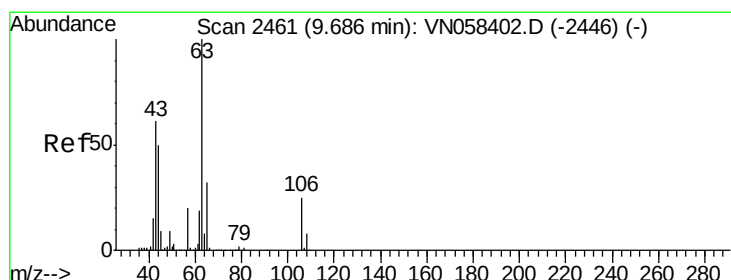
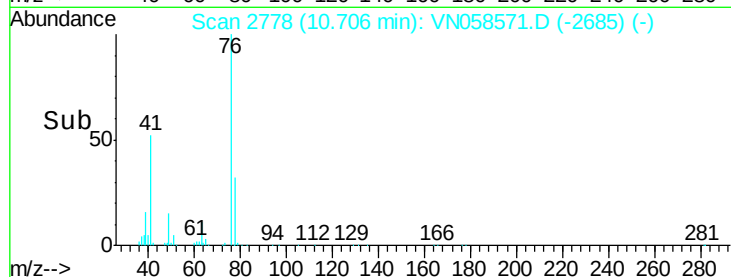
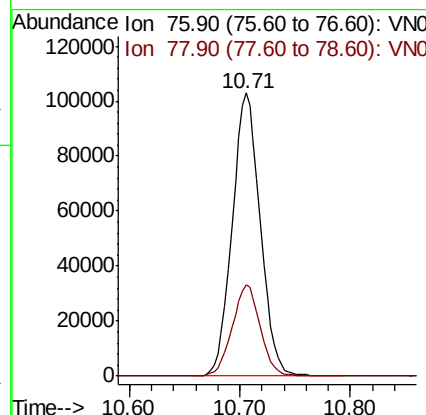
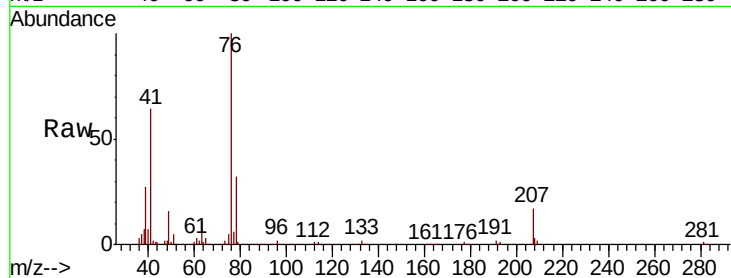
#57
 1,3-Dichloropropane
 Concen: 22.342 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion: 76 Resp: 180948
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

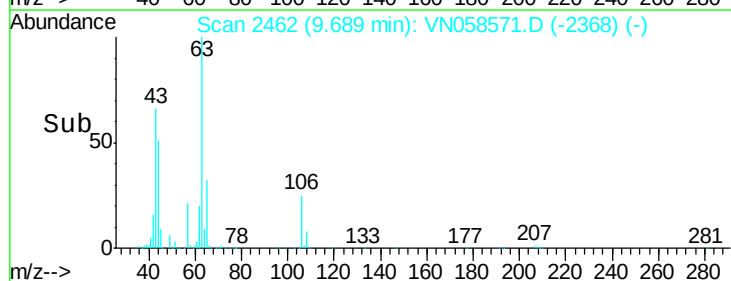
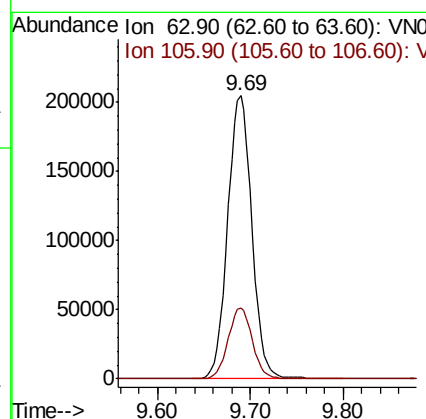
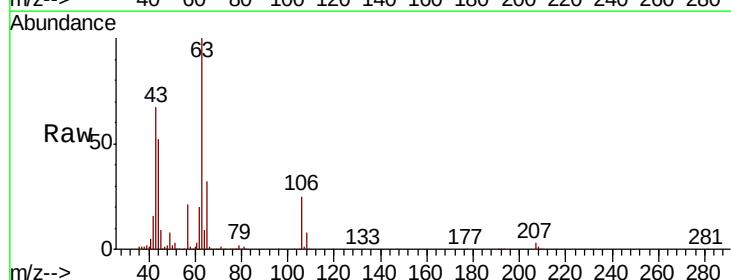
Manual Integrations
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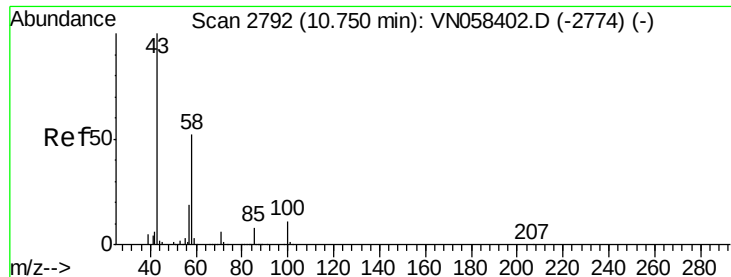
MMDadoda
 10/9/2019 10:50:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.700 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion: 63 Resp: 370059
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.3 30.5





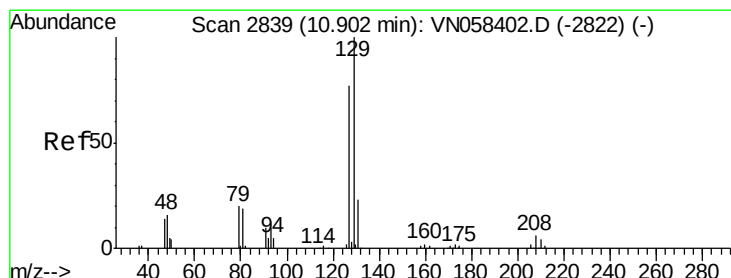
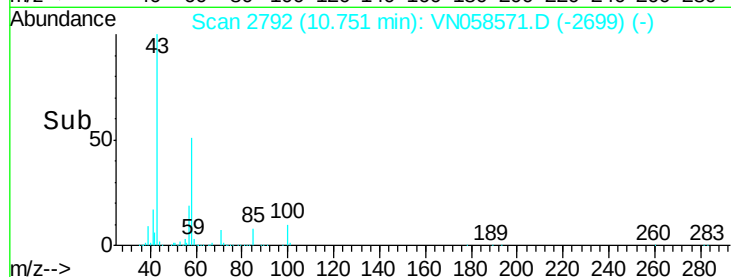
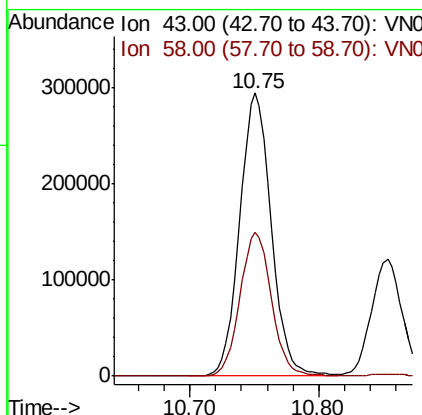
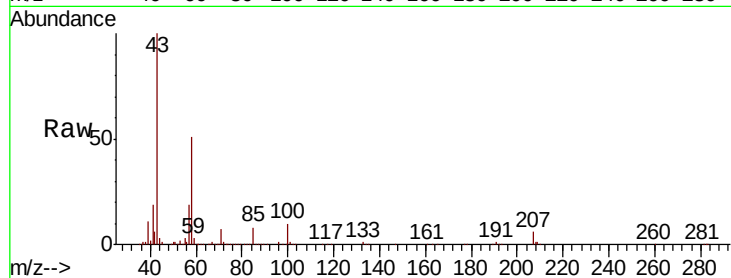
#59
2-Hexanone
Concen: 121.628 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.8	77.3

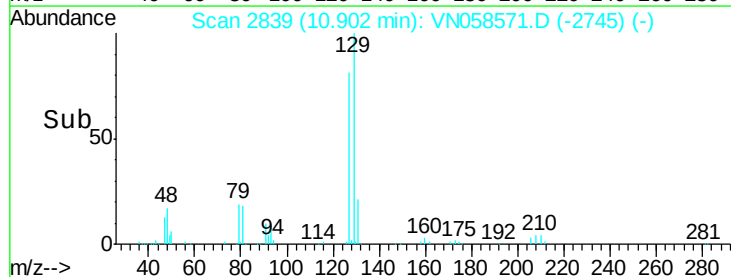
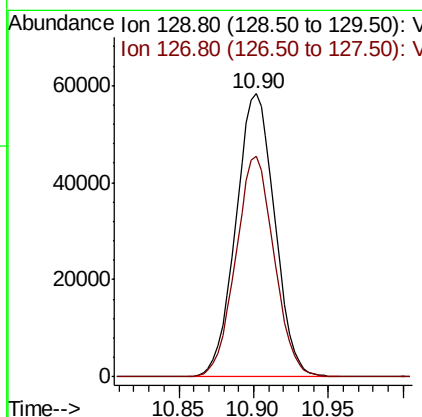
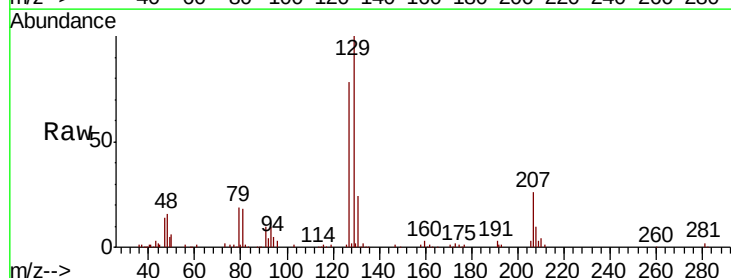
Manual Integrations
APPROVED

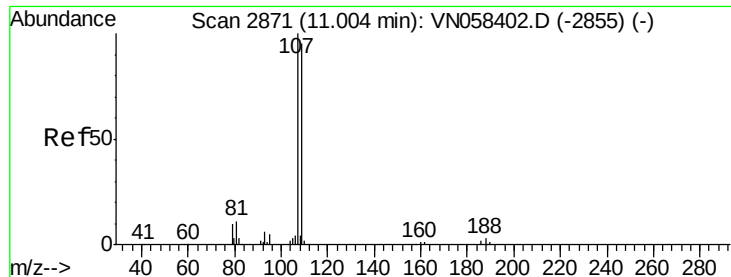
MMDadoda
10/9/2019 10:50:42 AM



#60
Dibromochloromethane
Concen: 22.135 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.8





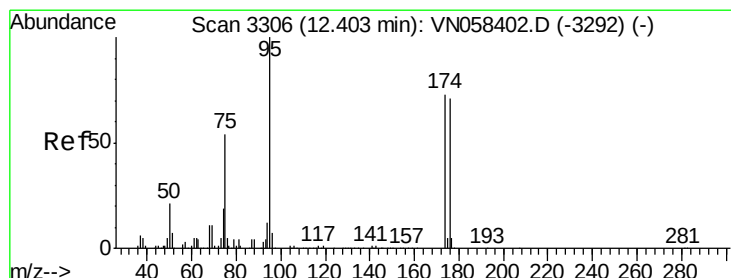
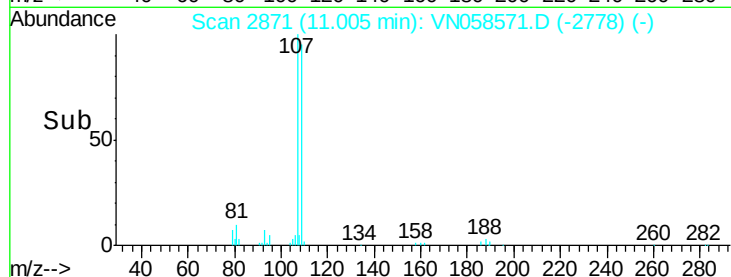
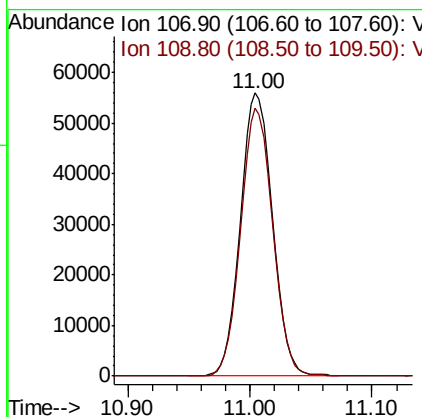
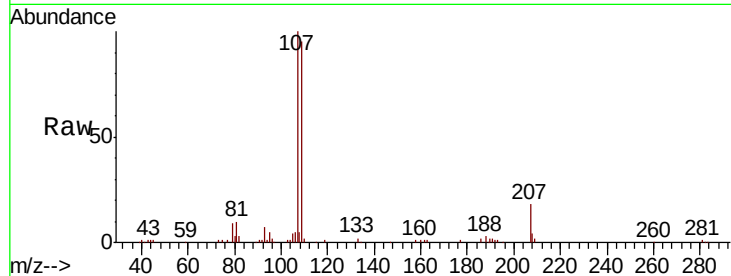
#61
 1,2-Dibromoethane
 Concen: 21.848 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.3	112.9

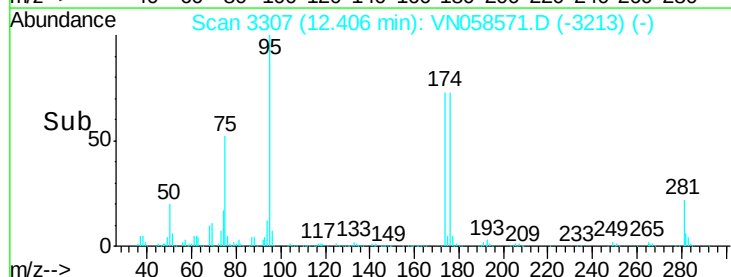
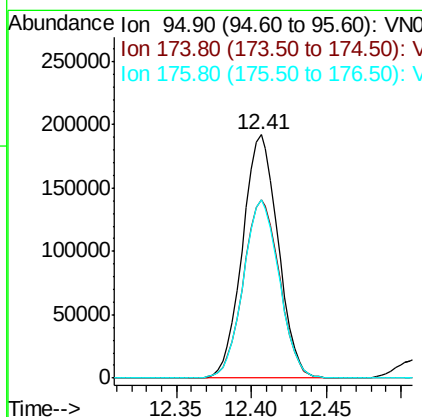
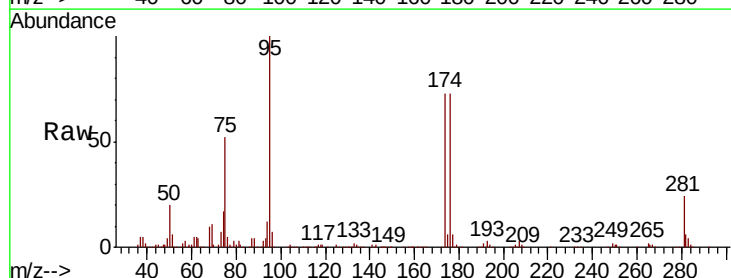
Manual Integrations
 APPROVED

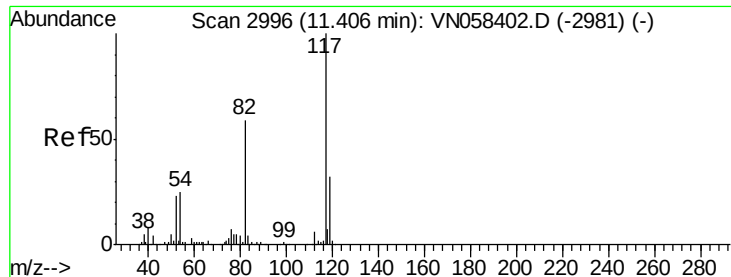
MMDadoda
 10/9/2019 10:50:42 AM



#62
 4-Bromofluorobenzene
 Concen: 50.853 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.6
176	73.4	0.0	146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

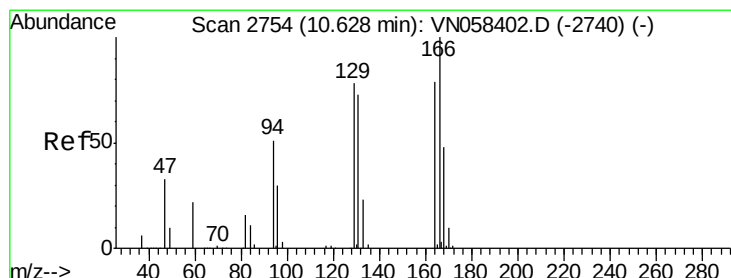
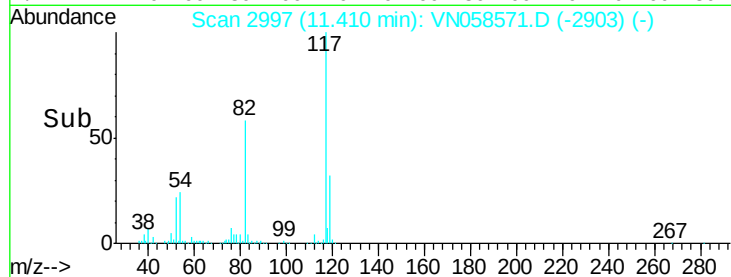
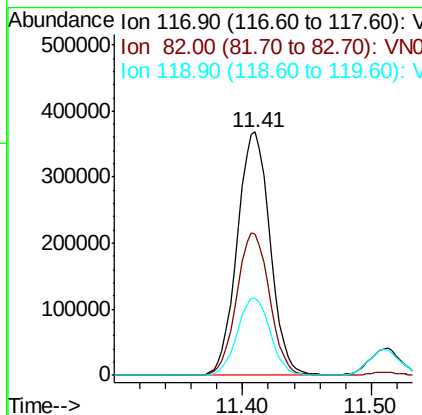
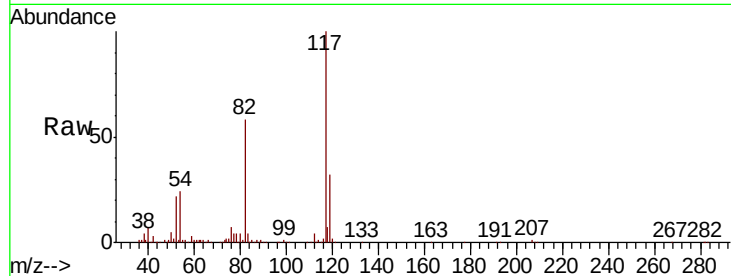
ClientSampleId :

VN1007WBS02

Tot Ion:	117	Resp:	652600
Ion Ratio		Lower	Upper
117	100		
82	58.0	47.4	71.0
119	31.9	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 23.161 ug/l

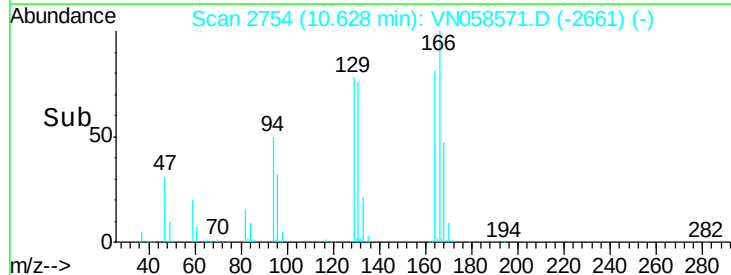
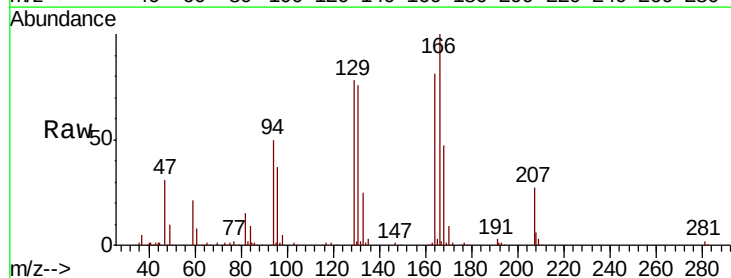
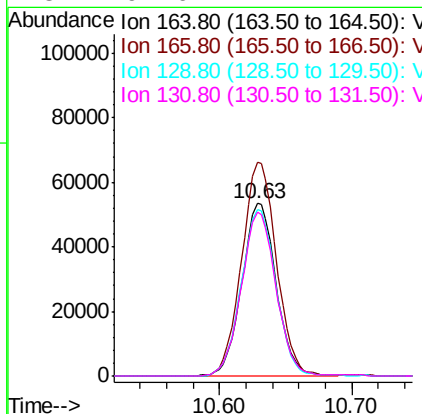
RT: 10.63 min Scan# 2754

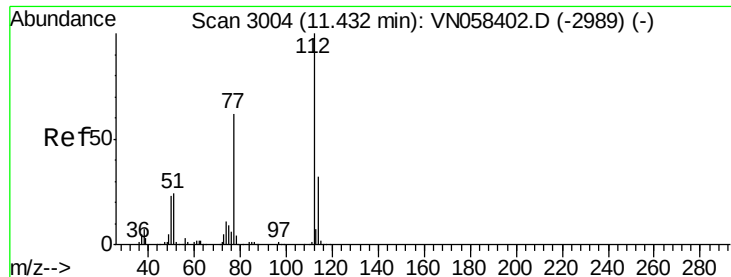
Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	164	Resp:	96028
Ion Ratio		Lower	Upper
164	100		
166	123.8	101.1	151.7
129	96.6	79.2	118.8
131	94.6	74.1	111.1





#65

Chlorobenzene

Concen: 20.813 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion:112 Resp: 269986

Ion Ratio Lower Upper

112 100

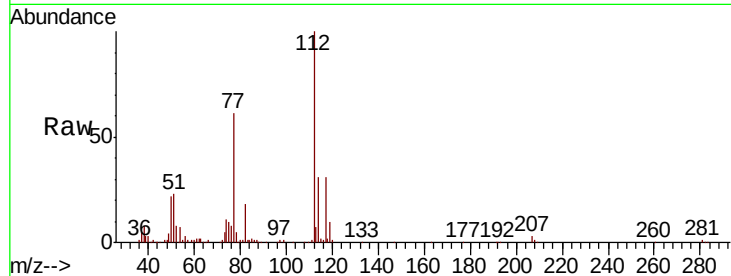
114 31.4 25.4 38.2

Manual Integrations

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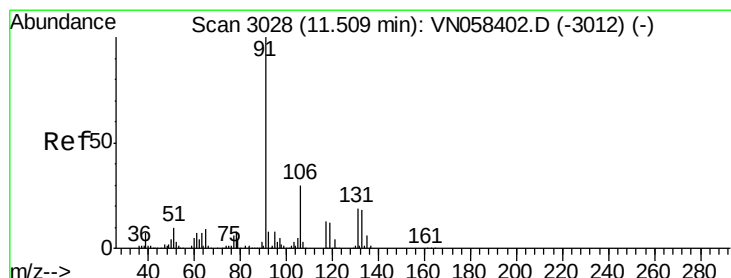
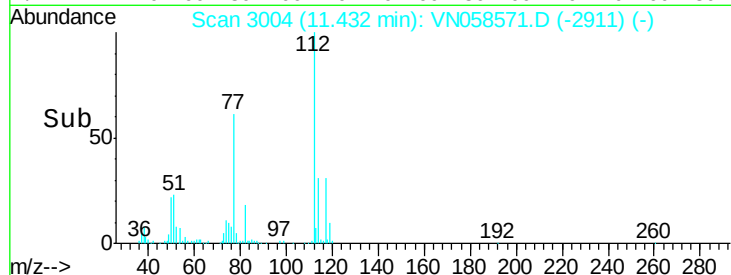
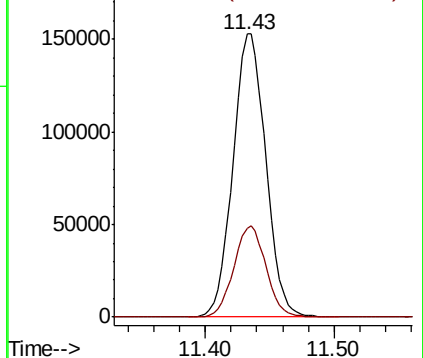
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.690 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

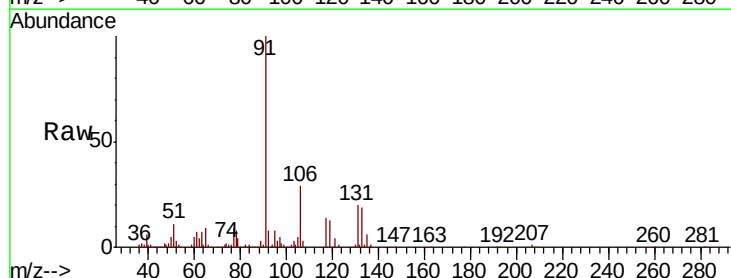
Tgt Ion:131 Resp: 103539

Ion Ratio Lower Upper

131 100

133 93.7 47.8 143.3

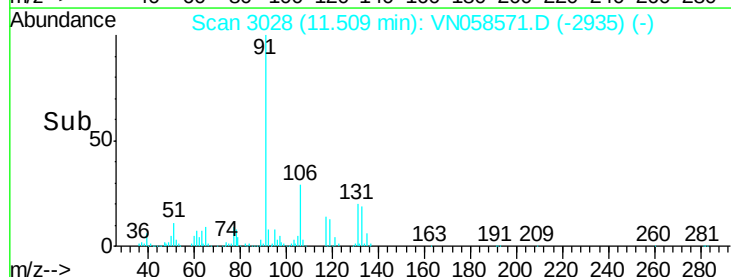
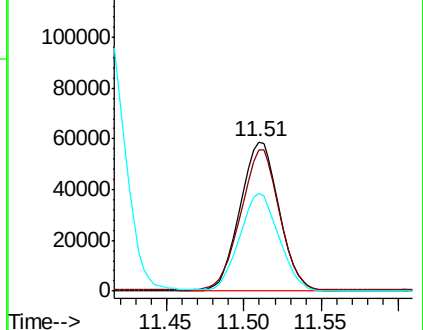
119 65.1 33.0 99.0

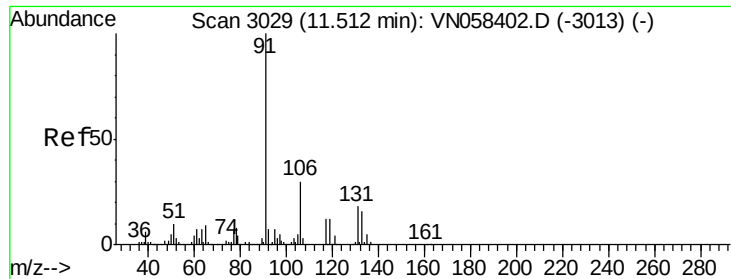


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.317 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampled :

VN1007WBS02

Tot Ion: 91 Resp: 500869

Ion Ratio Lower Upper

91 100

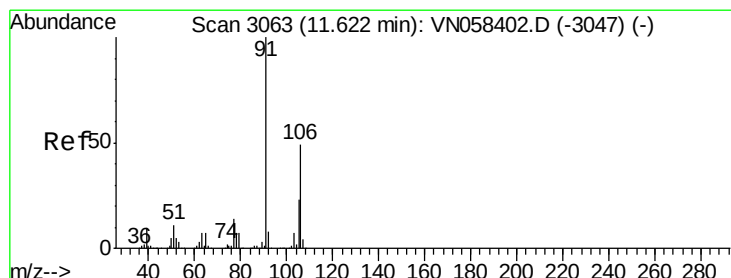
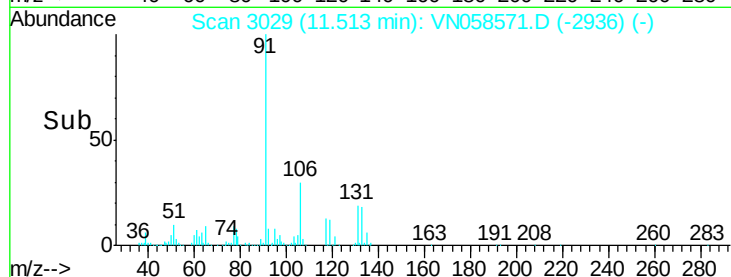
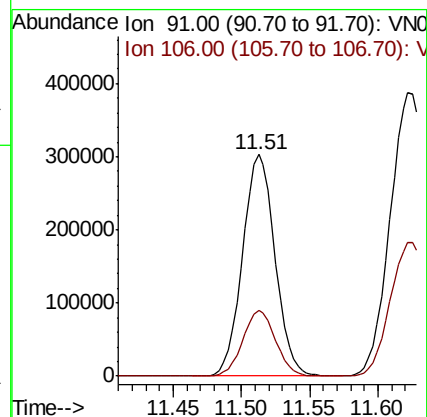
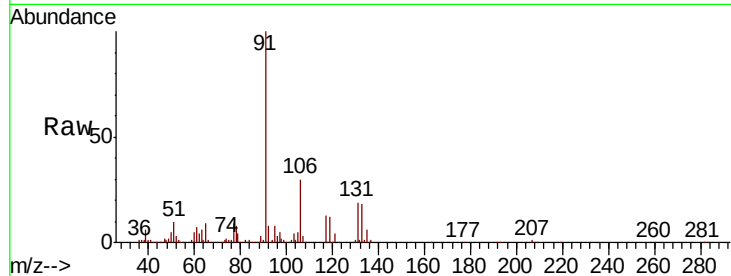
106 29.8 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.625 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058571.D

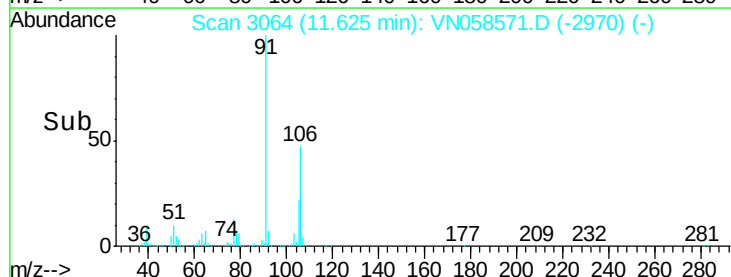
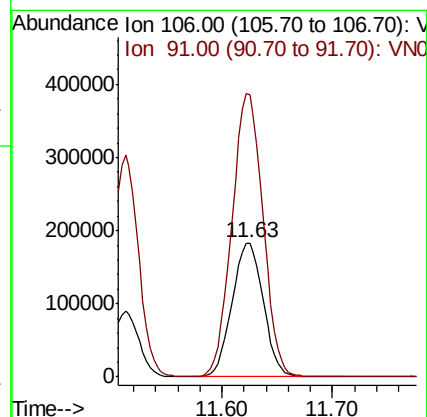
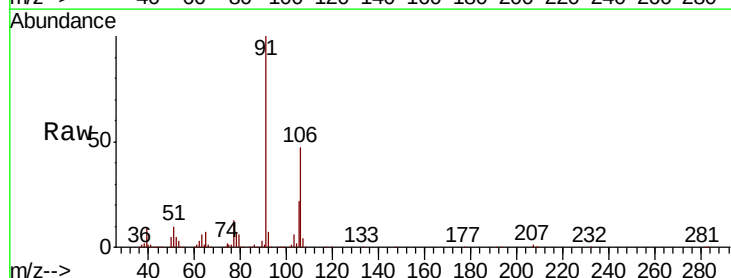
Acq: 7 Oct 2019 17:08

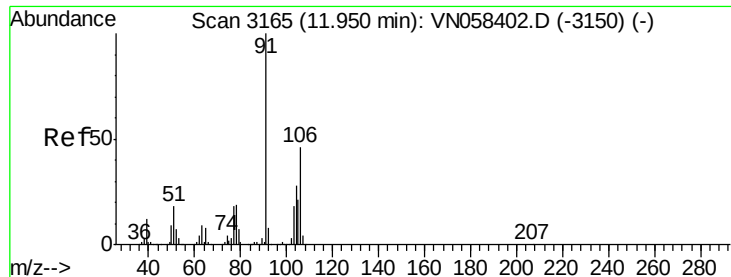
Tgt Ion: 106 Resp: 359137

Ion Ratio Lower Upper

106 100

91 210.6 165.0 247.4





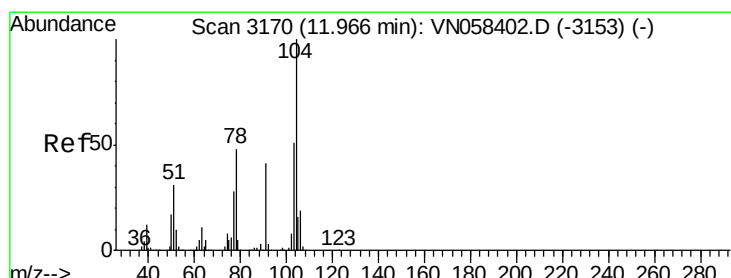
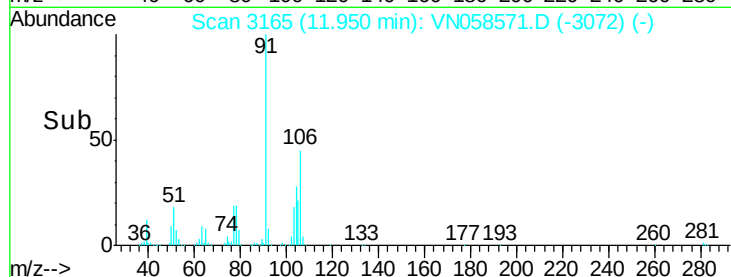
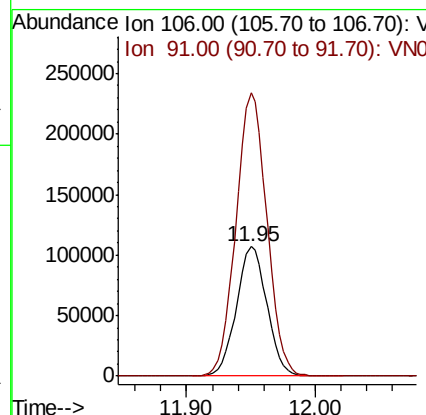
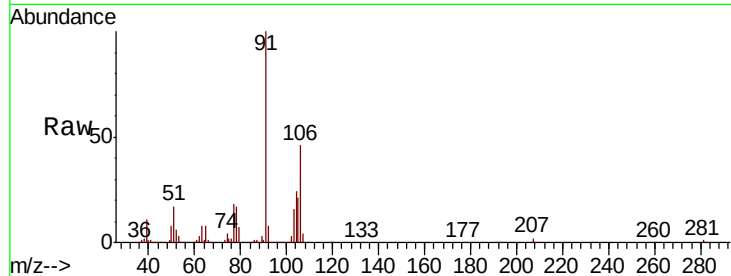
#69
o-Xylene
Concen: 20.720 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampled :
VN1007WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	220.8	109.1	327.4	

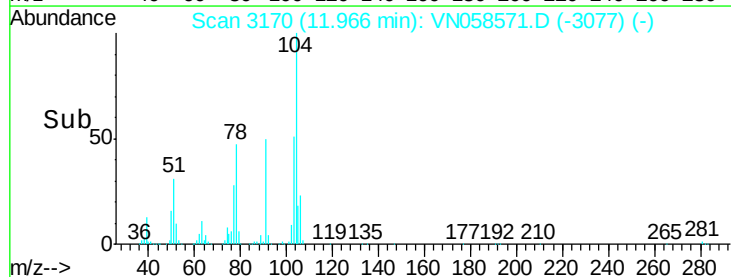
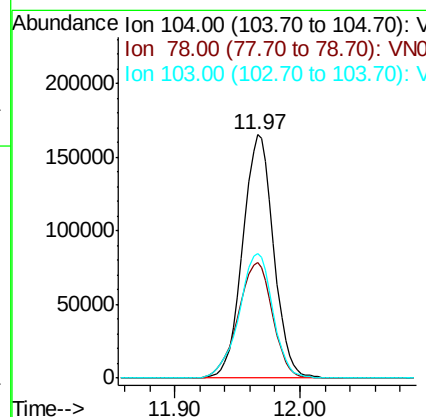
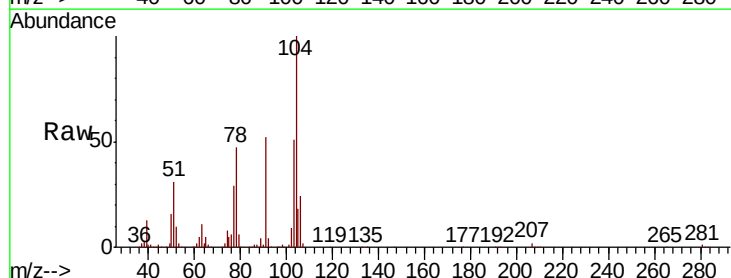
Manual Integrations
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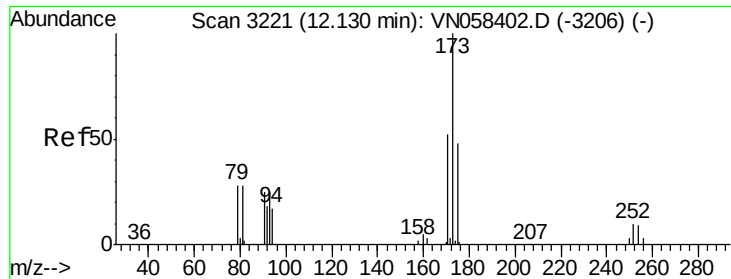
MMDadoda
10/9/2019 10:50:42 AM



#70
Styrene
Concen: 20.508 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.3	42.8	64.2	
103	55.8	43.7	65.5	





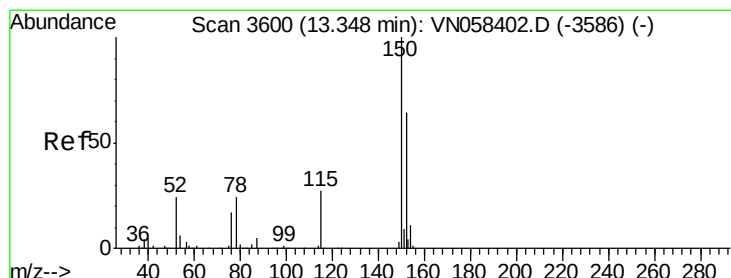
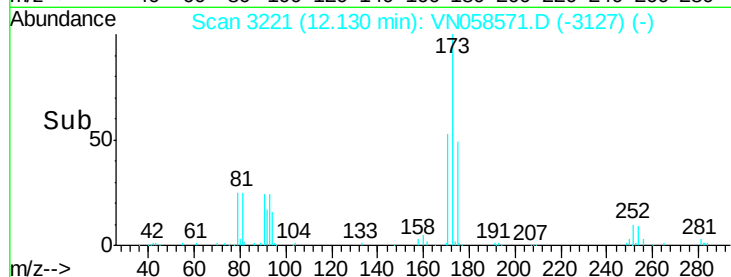
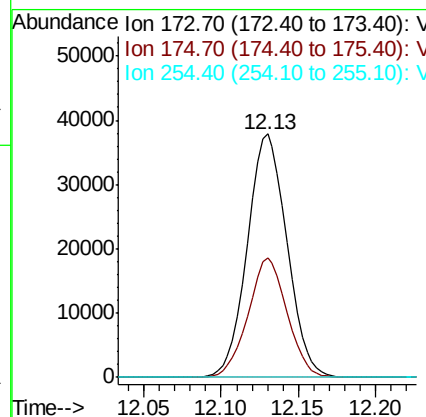
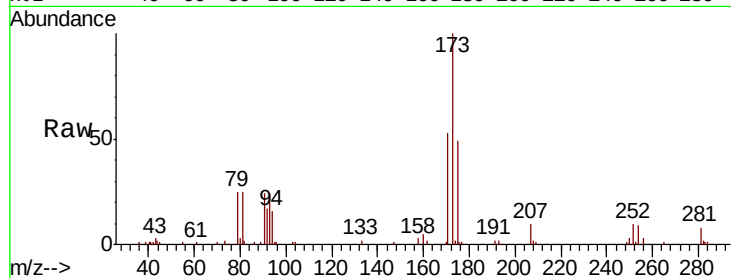
#71
Bromoform
Concen: 22.724 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	73.0
254	0.0	0.1	0.1#

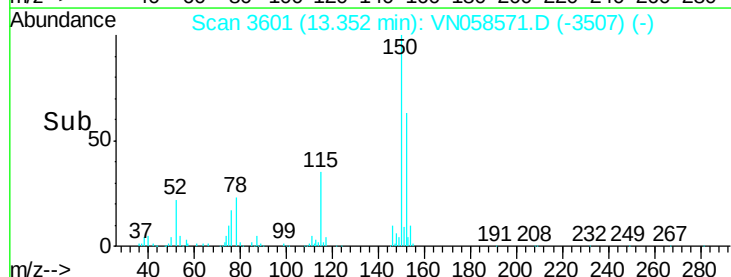
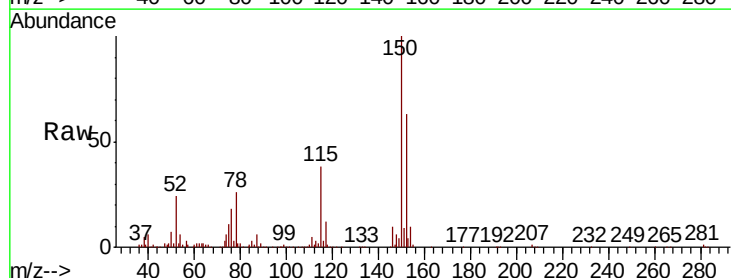
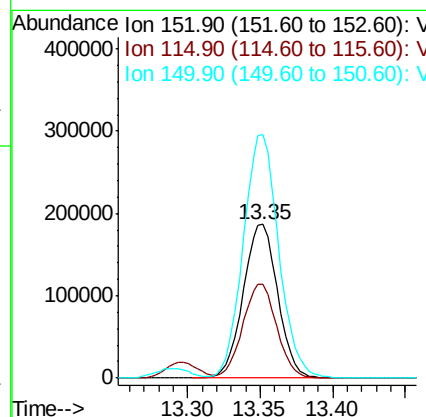
Manual Integrations
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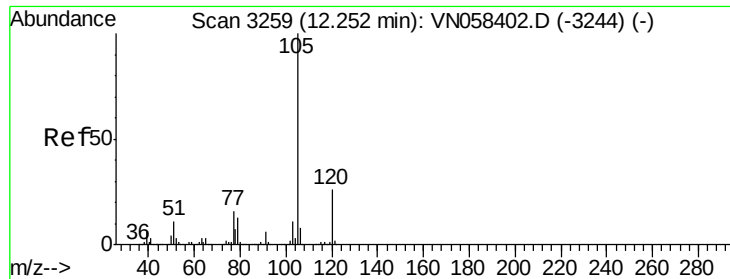
MMDadoda
10/9/2019 10:50:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.0	90.0
150	162.8	0.0	348.2





#73

Isopropylbenzene

Concen: 20.953 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion:105 Resp: 478697

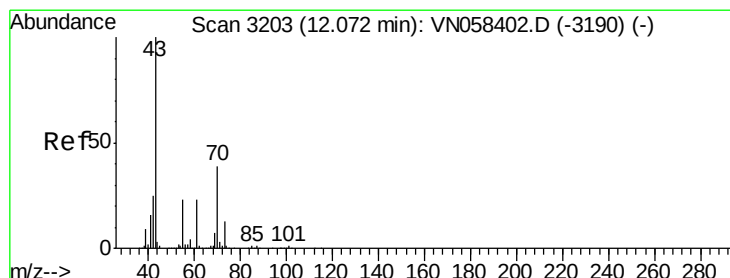
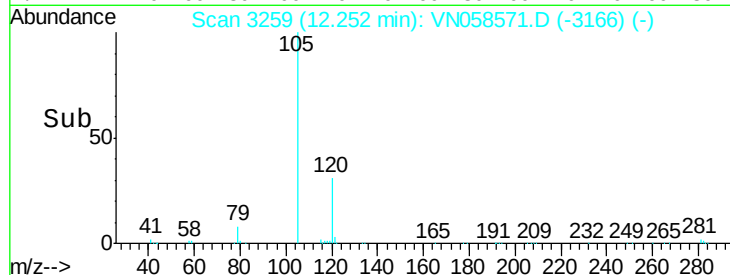
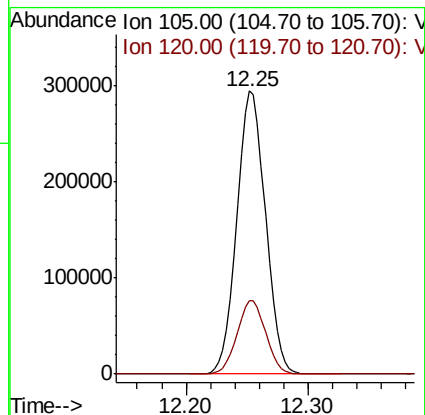
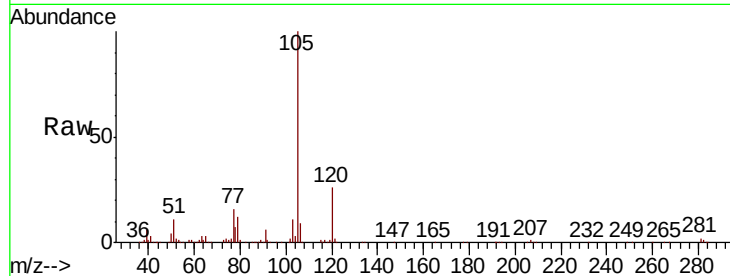
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.704 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion: 43 Resp: 197258

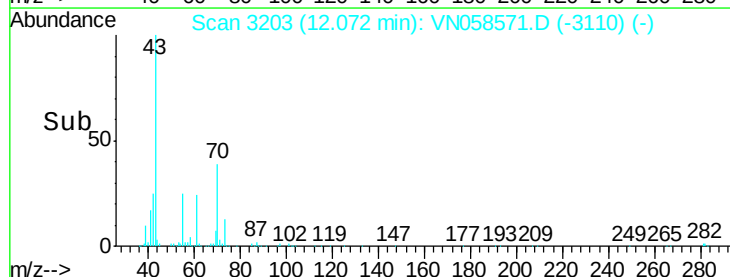
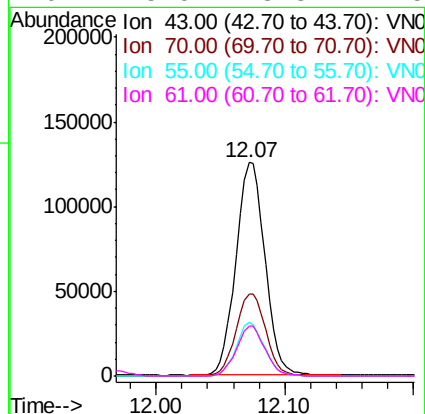
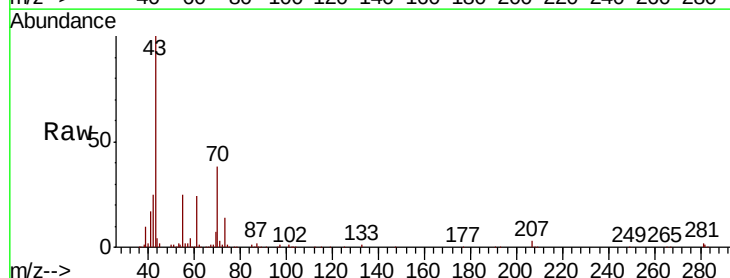
Ion Ratio Lower Upper

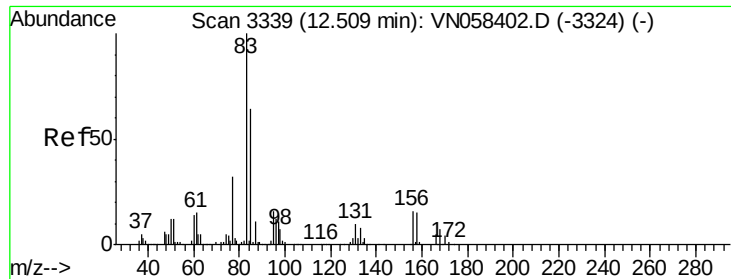
43 100

70 39.6 31.4 47.2

55 24.3 18.2 27.4

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.160 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

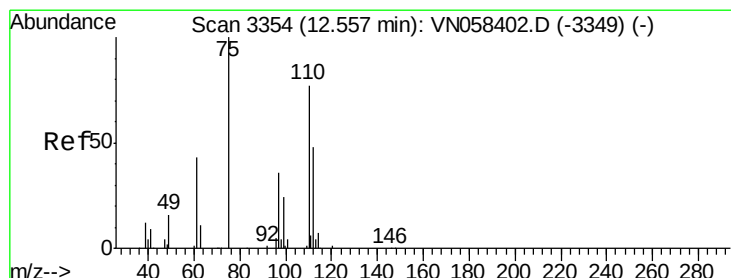
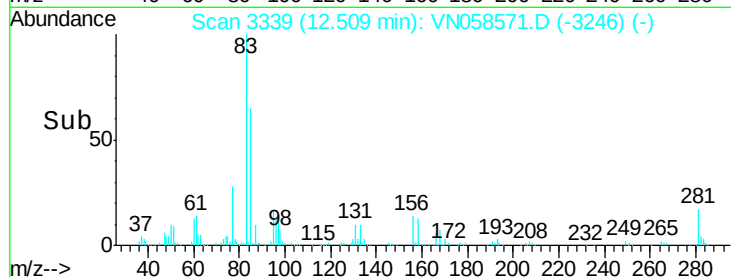
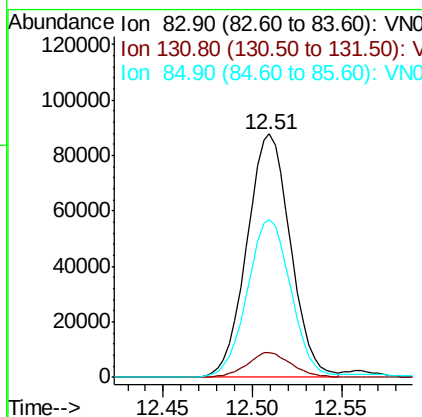
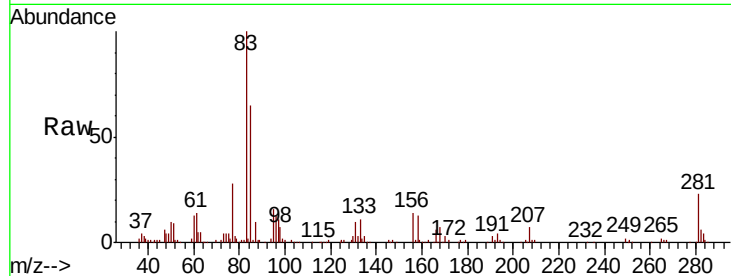
ClientSampleId :

VN1007WBS02

Tot Ion:	83	Resp:	149702
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	65.1	32.0	96.0

Manual Integrations
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10/9/2019 10:50:42 AM



#76

1,2,3-Trichloropropane

Concen: 26.417 ug/l m

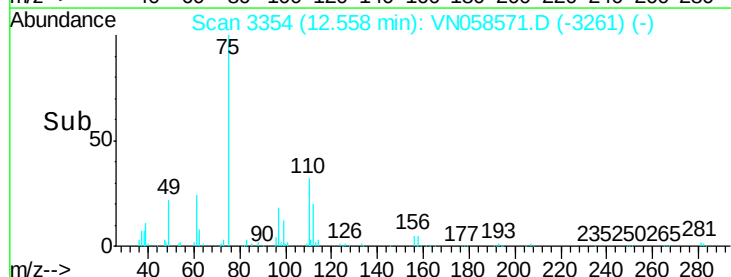
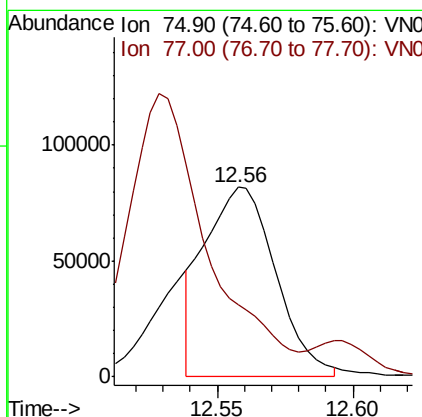
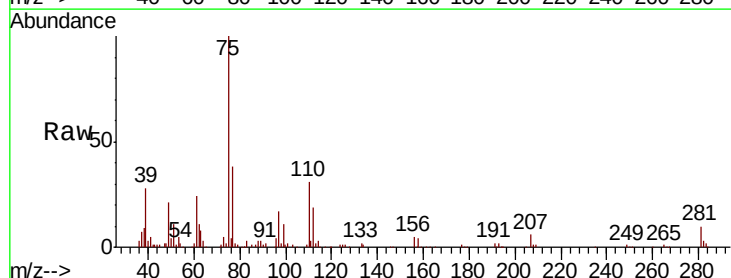
RT: 12.56 min Scan# 3354

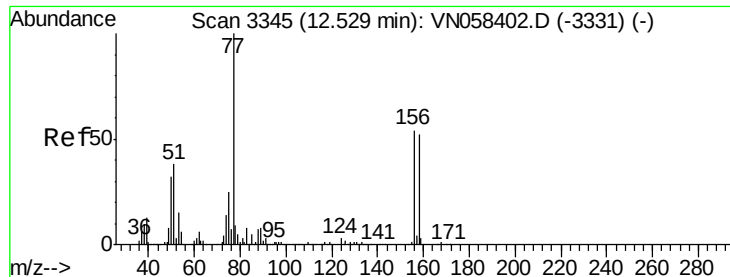
Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	75	Resp:	149162
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.295 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion:156 Resp: 114074

Ion Ratio Lower Upper

156 100

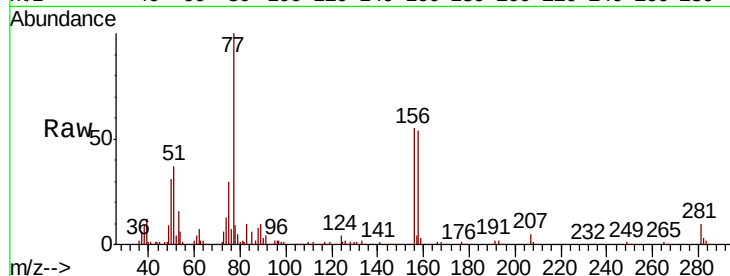
77 220.5 110.0 330.0

158 97.1 47.9 143.8

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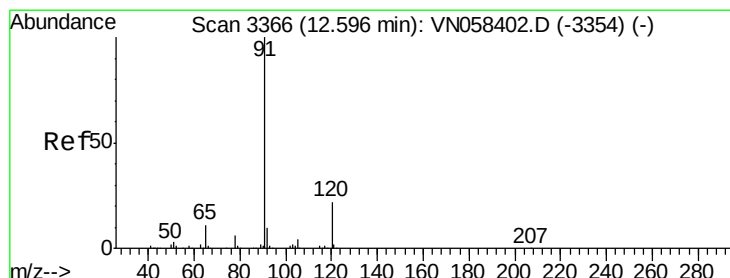
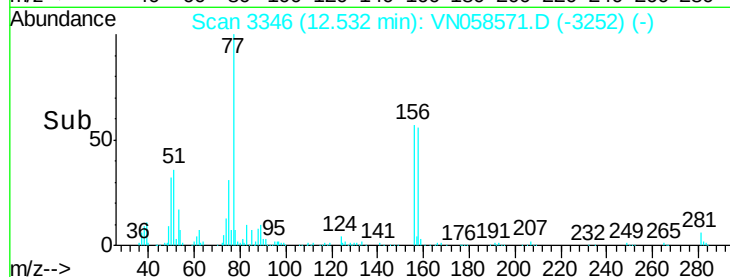
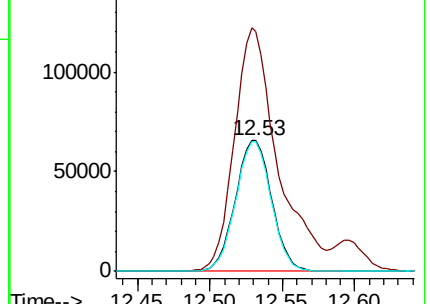
10/9/2019 10:50:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.707 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058571.D

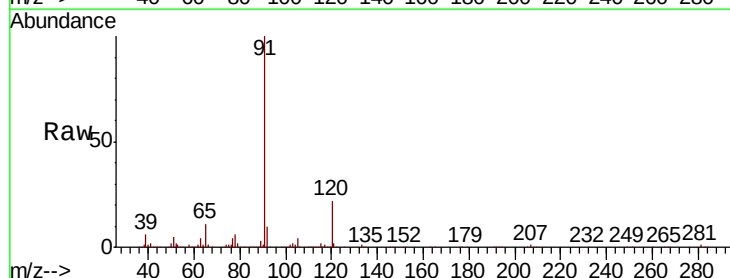
Acq: 7 Oct 2019 17:08

Tgt Ion: 91 Resp: 558711

Ion Ratio Lower Upper

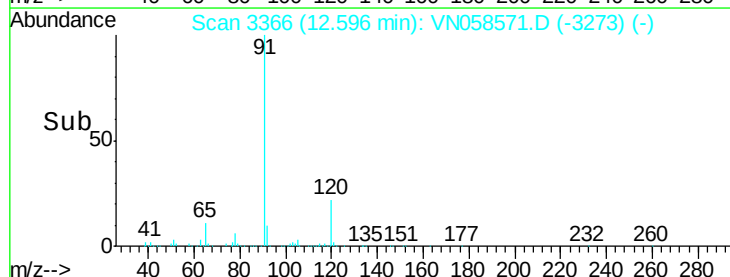
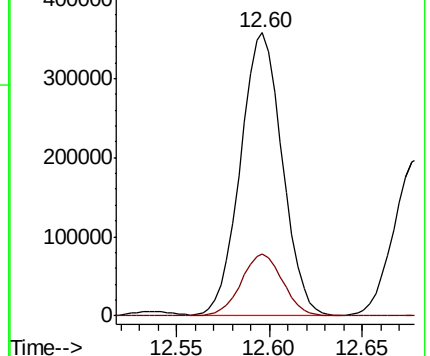
91 100

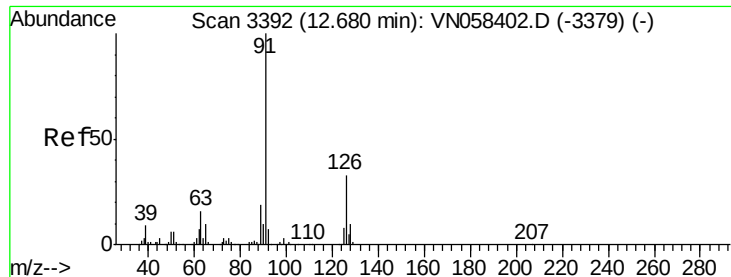
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.920 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion: 91 Resp: 332341

Ion Ratio Lower Upper

91 100

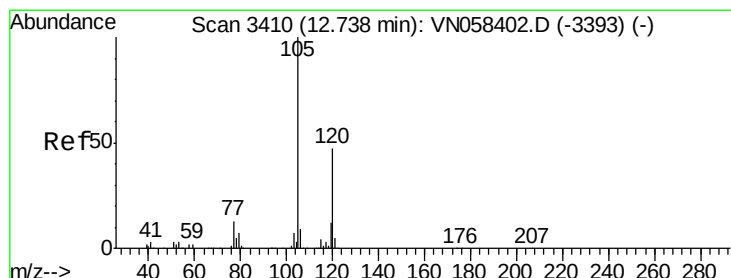
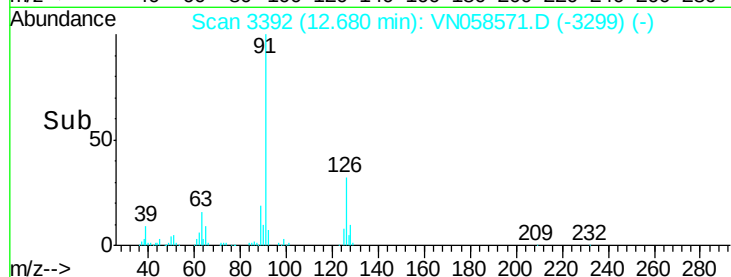
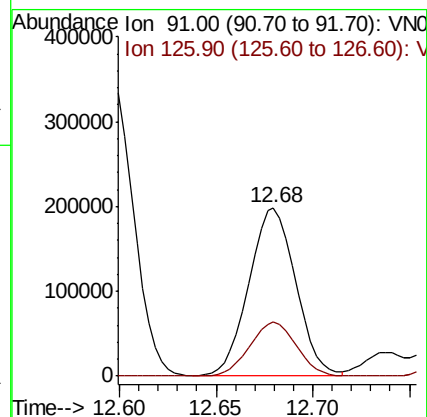
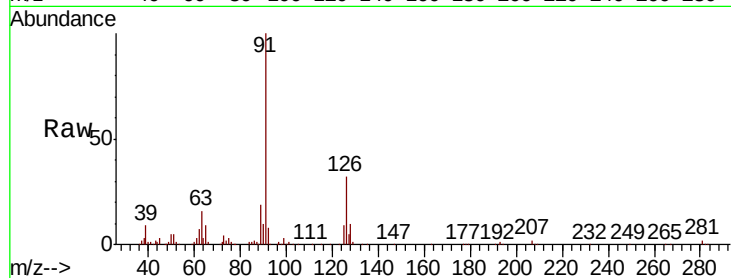
126 32.5 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.992 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058571.D

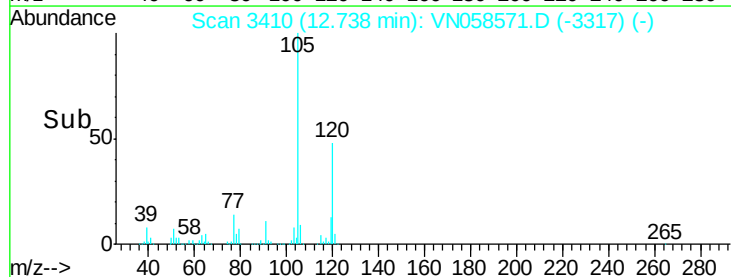
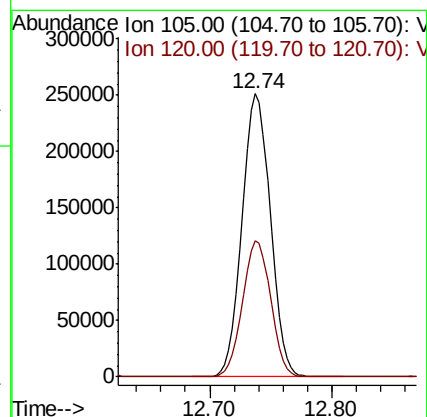
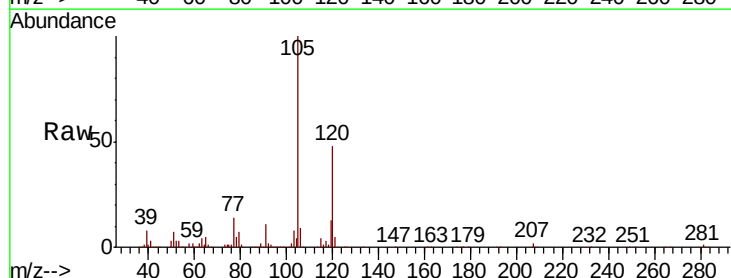
Acq: 7 Oct 2019 17:08

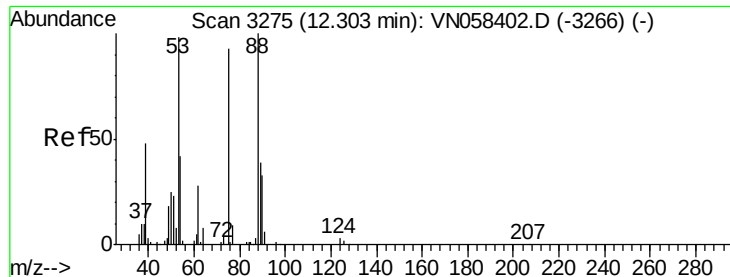
Tgt Ion: 105 Resp: 401450

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.6





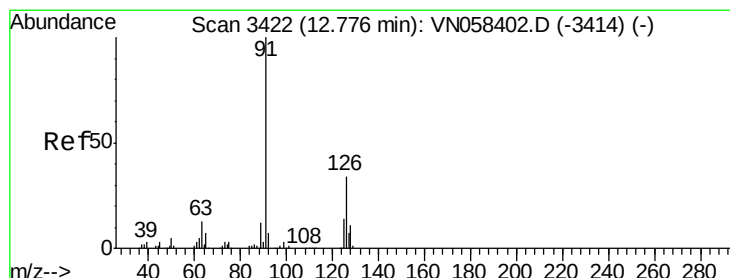
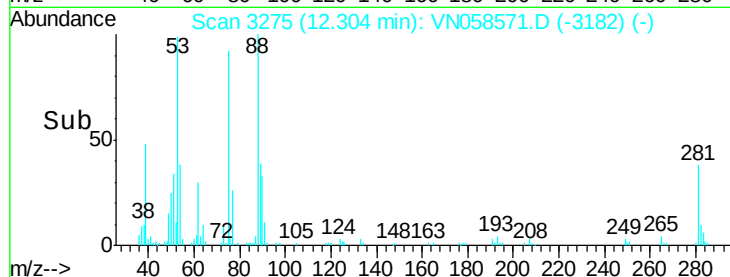
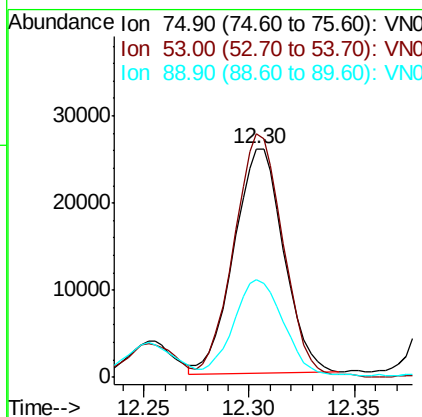
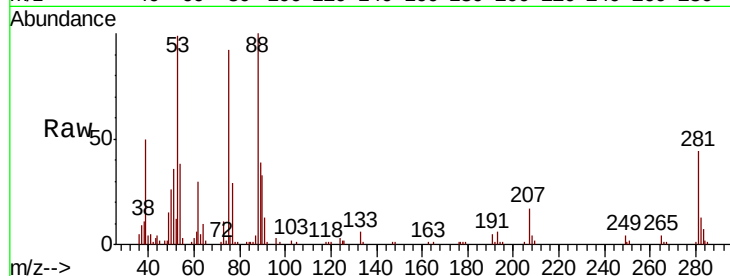
#81
trans-1,4-Dichloro-2-butene
Concen: 22.714 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.7	85.4	128.0
89	44.8	35.0	52.4

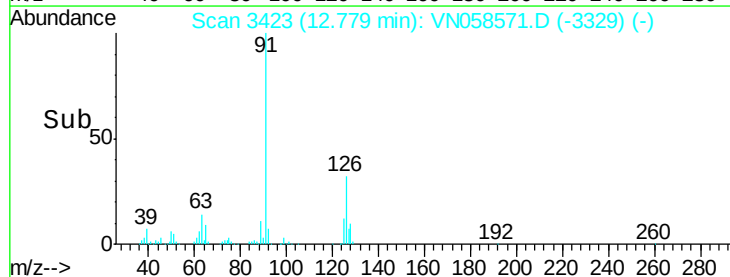
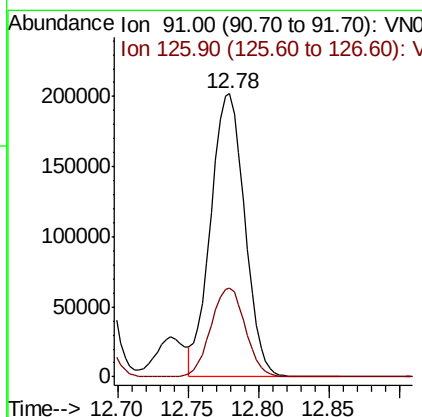
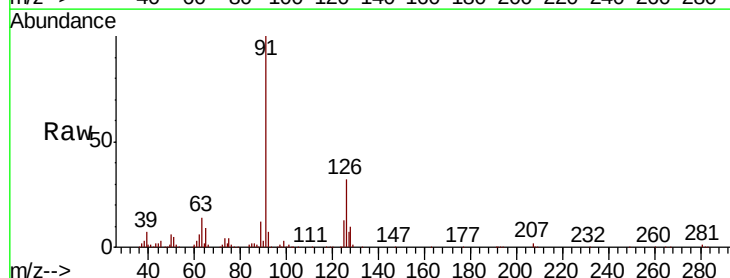
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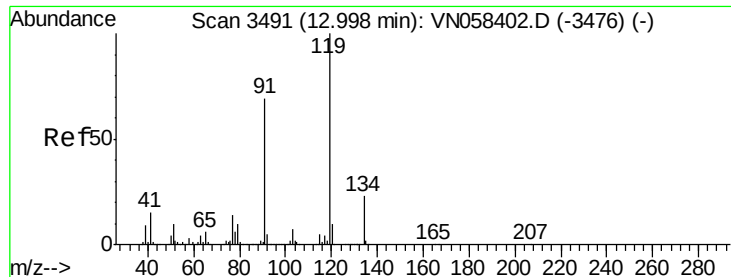
MMDadoda
10/9/2019 10:50:42 AM



#82
4-Chlorotoluene
Concen: 20.858 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





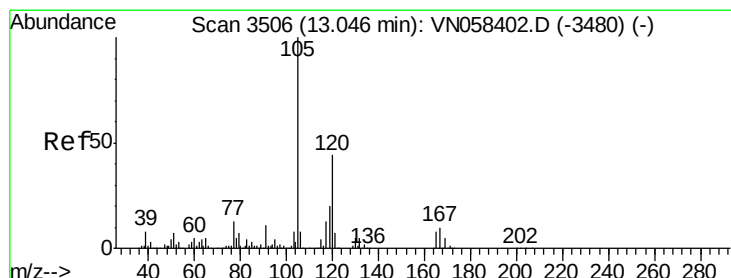
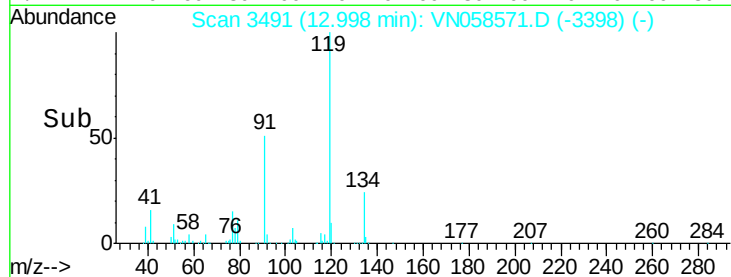
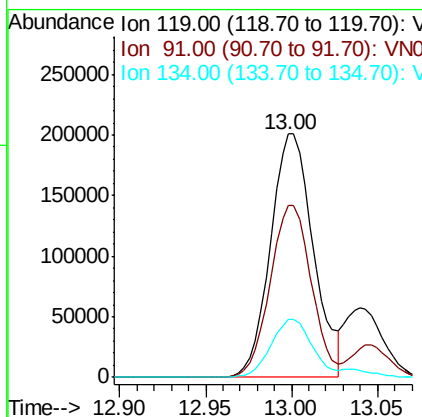
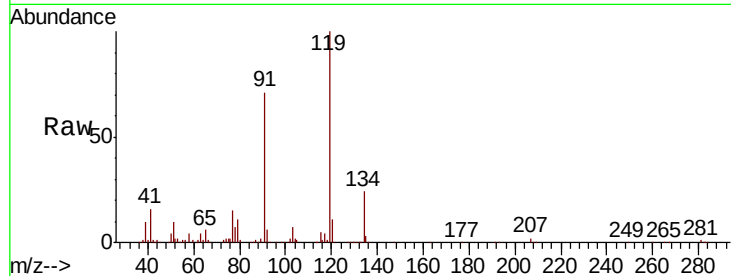
#83
 tert-Butylbenzene
 Concen: 21.544 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.2	102.6
134	25.4	11.6	34.8

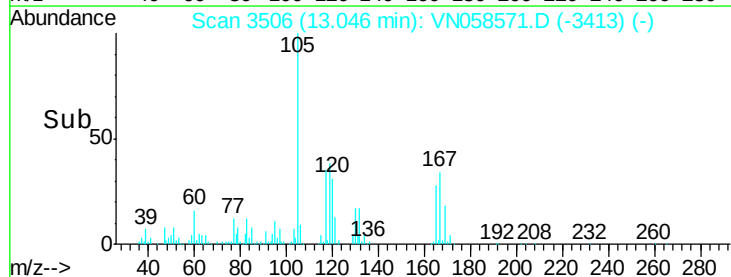
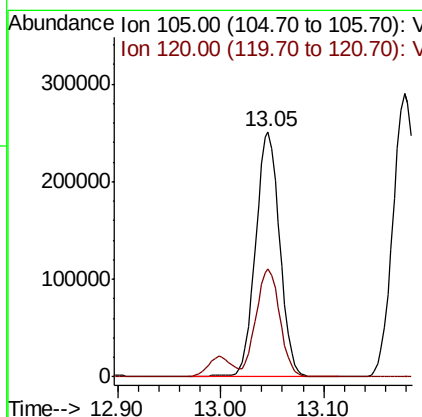
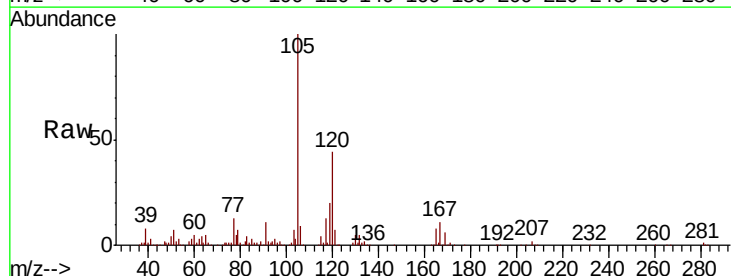
Manual Integrations
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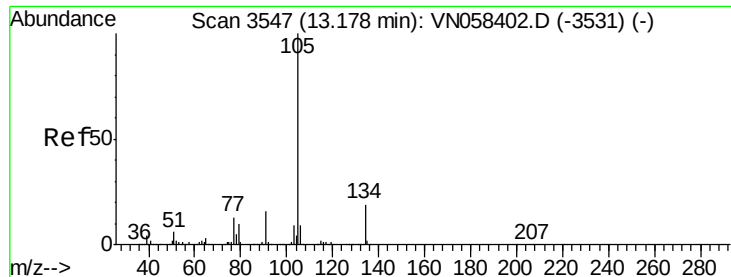
MMDadoda
 10/9/2019 10:50:42 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.182 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.7	65.1





#85

sec-Butylbenzene

Concen: 21.486 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS02

Tot Ion:105 Resp: 456358

Ion Ratio Lower Upper

105 100

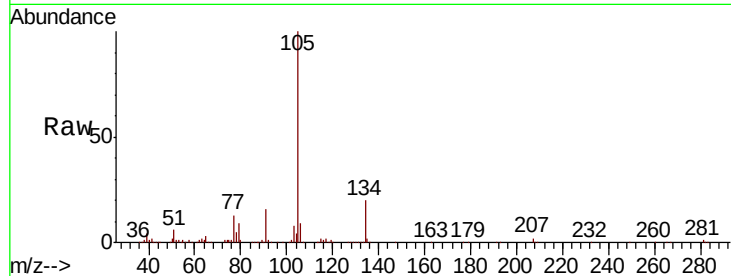
134 19.4 9.4 28.2

Manual Integrations

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10/9/2019 10:50:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

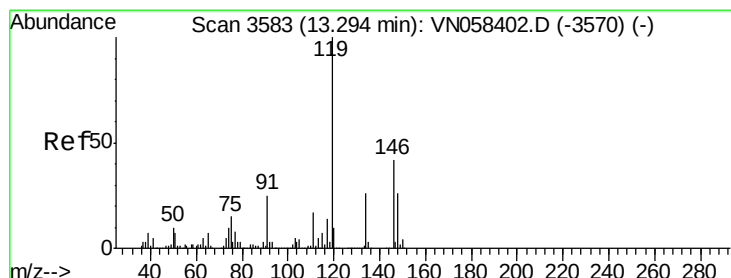
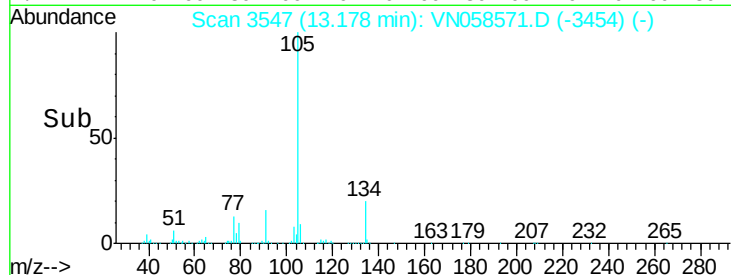
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.899 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

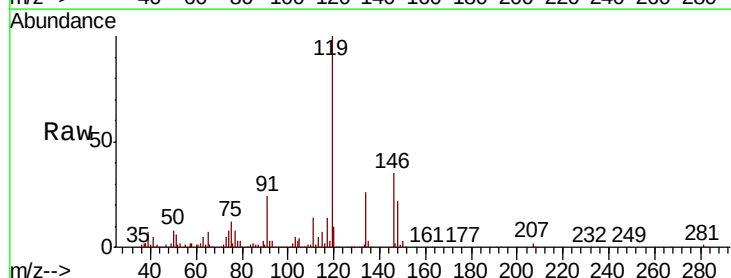
Tgt Ion:119 Resp: 409436

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 24.7 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.30

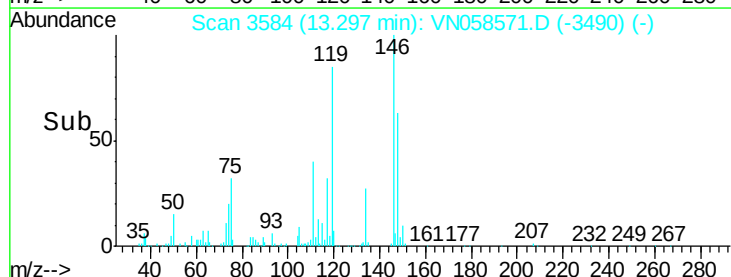
300000

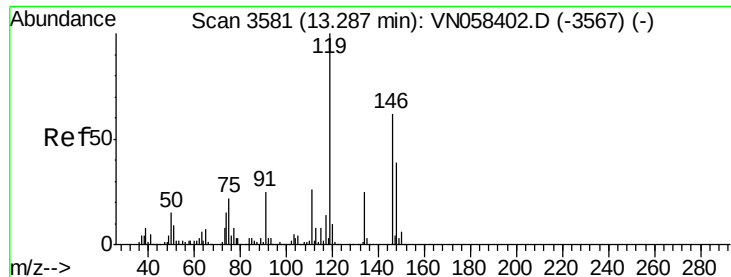
200000

100000

0

Time-->





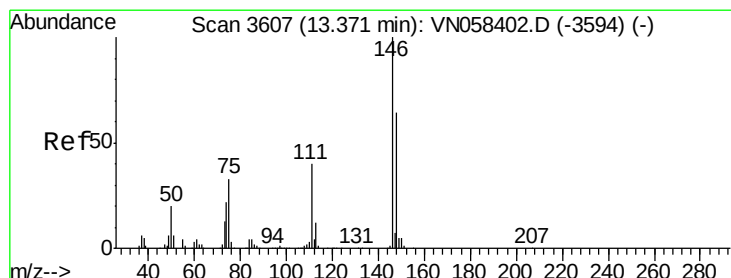
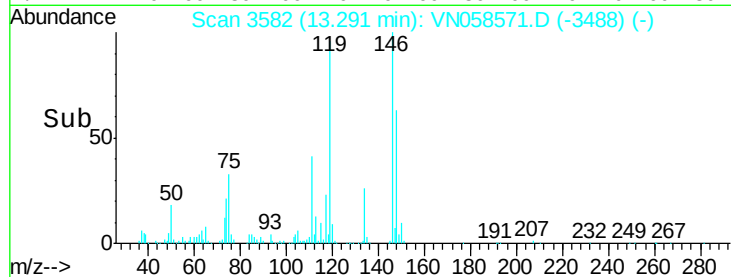
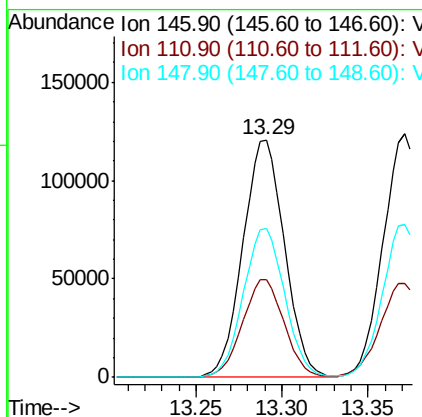
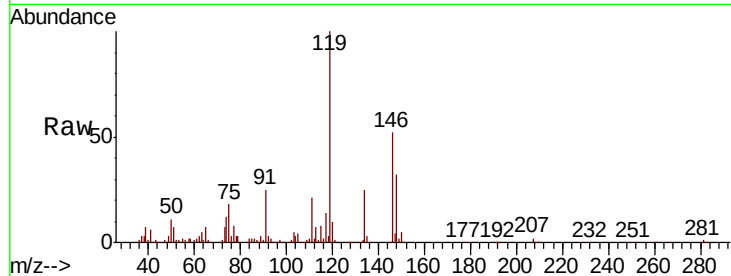
#87
 1,3-Dichlorobenzene
 Concen: 20.937 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203370		
111	41.1		20.8	62.4
148	62.4		31.4	94.3

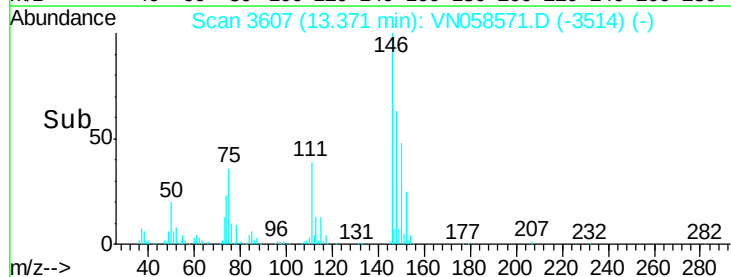
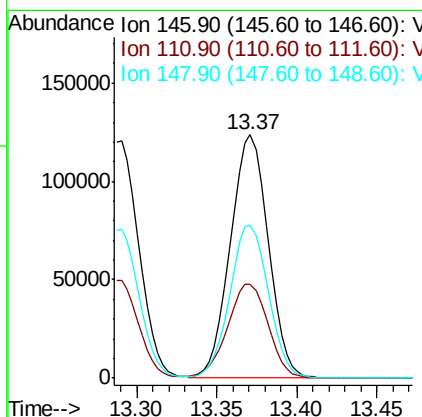
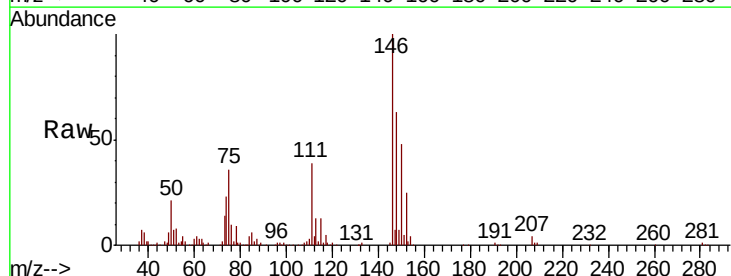
Manual Integrations
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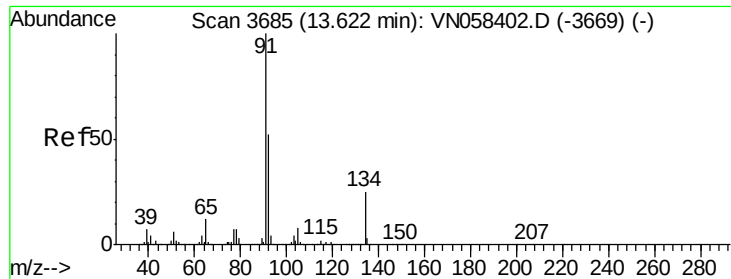
MMDadoda
 10/9/2019 10:50:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.635 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199415		
111	41.5		20.5	61.6
148	64.0		31.5	94.5





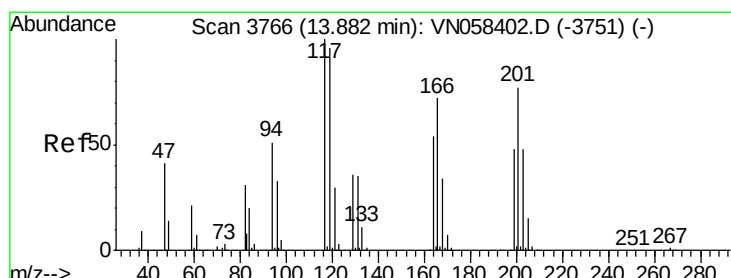
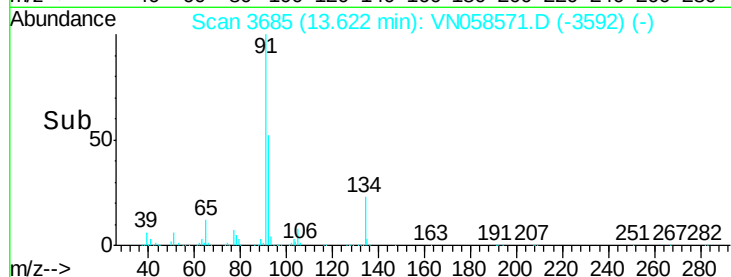
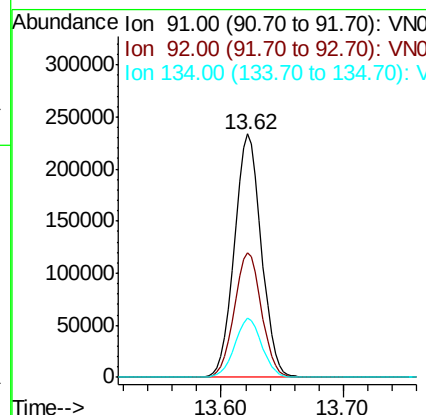
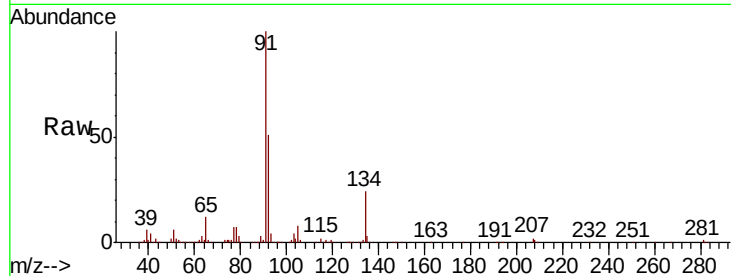
#89
n-Butylbenzene
Concen: 21.254 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.7	77.1
134	24.4	12.2	36.6

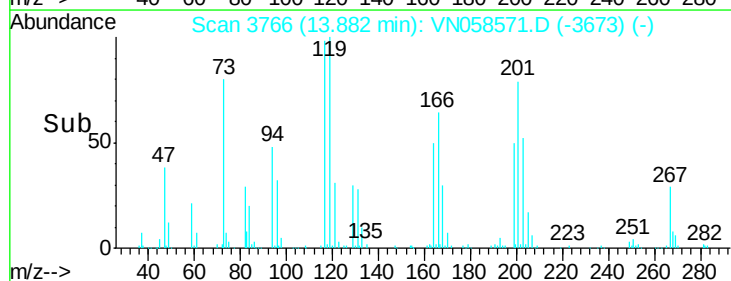
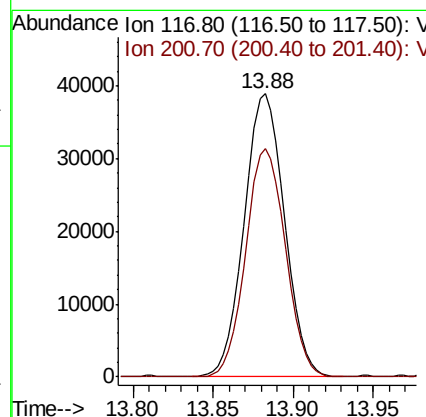
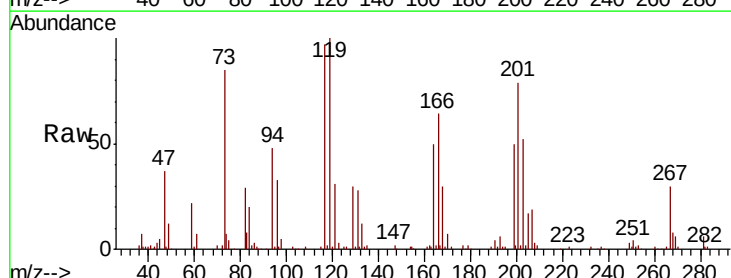
Manual Integrations
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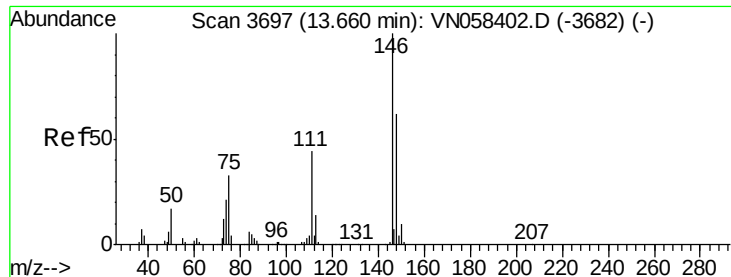
MMDadoda
10/9/2019 10:50:42 AM



#90
Hexachloroethane
Concen: 23.832 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.6	116.0





#91

1,2-Dichlorobenzene

Concen: 21.541 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Instrument :

MSVOA_N

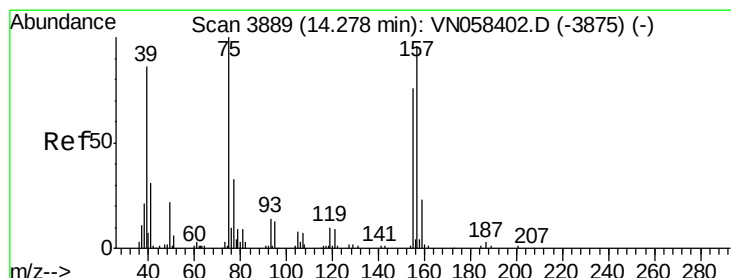
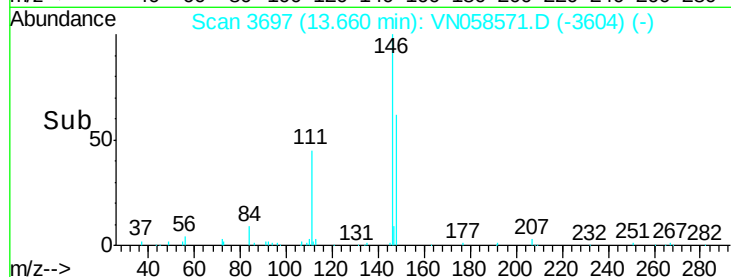
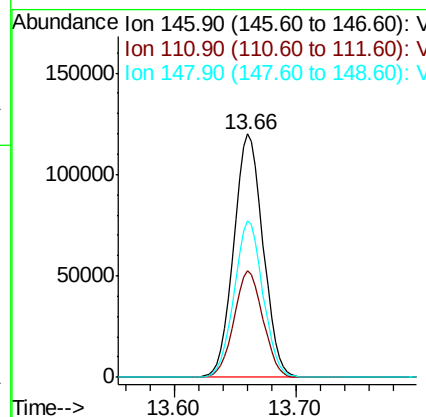
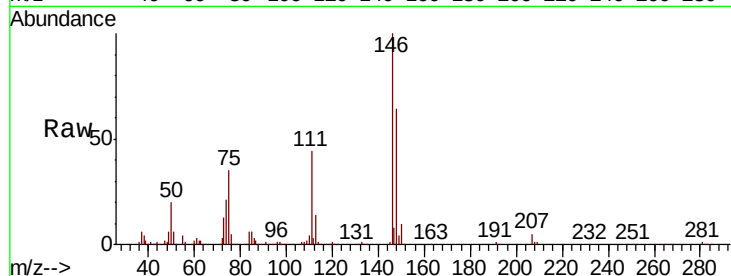
ClientSampleId :

VN1007WBS02

Tot Ion:	146	Resp:	201037
Ion Ratio		Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.2	31.5	94.5

Manual Integrations
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10/9/2019 10:50:42 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.972 ug/l

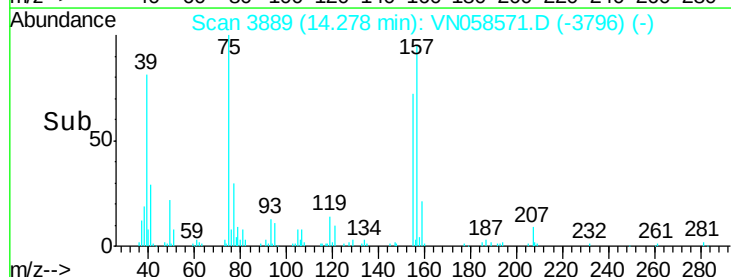
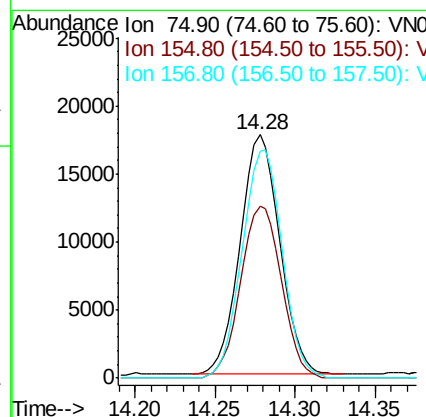
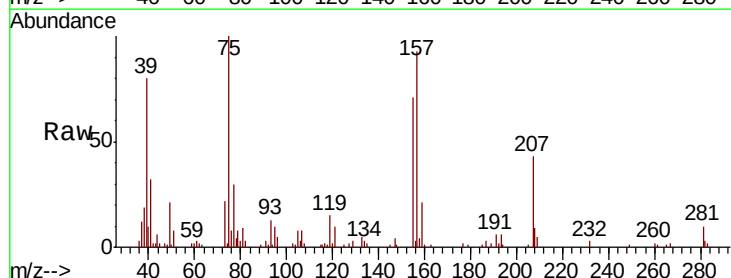
RT: 14.28 min Scan# 3889

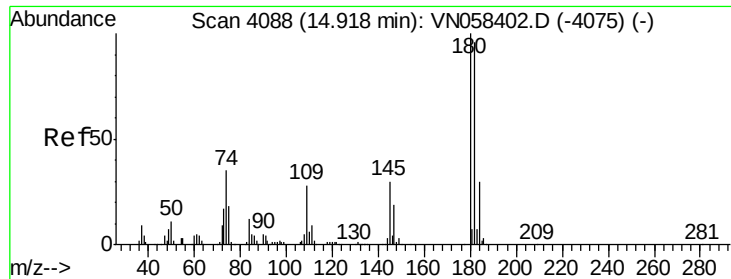
Delta R.T. 0.00 min

Lab File: VN058571.D

Acq: 7 Oct 2019 17:08

Tgt Ion:	75	Resp:	29749
Ion Ratio		Lower	Upper
75	100		
155	73.7	39.2	117.6
157	96.5	48.7	146.1





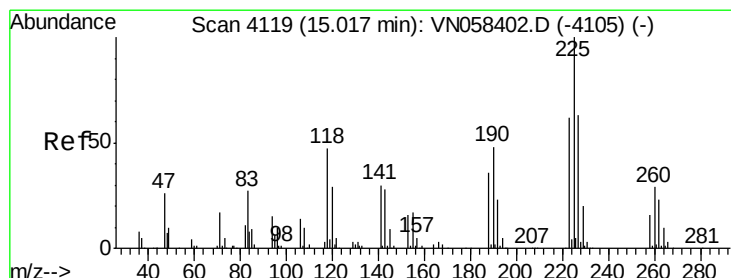
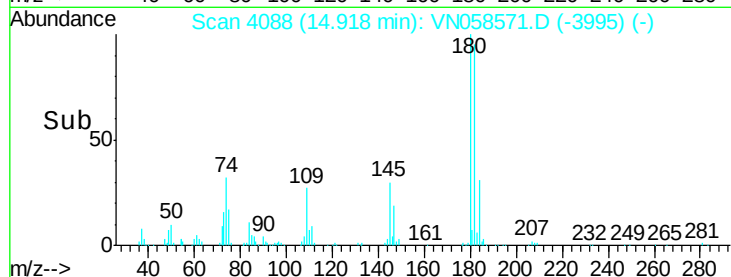
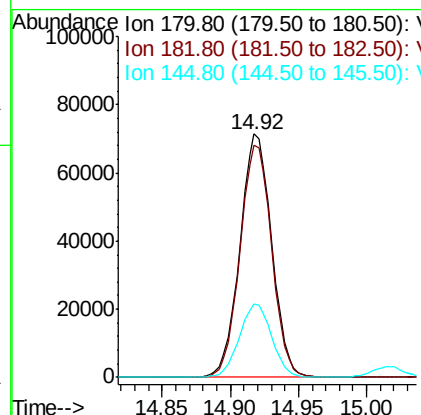
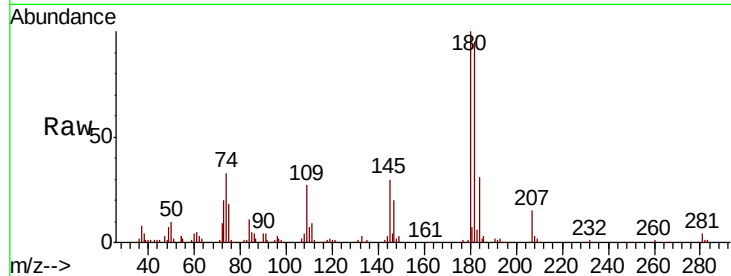
#93
 1,2,4-Trichlorobenzene
 Concen: 22.337 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115198		
182	95.3	47.4	142.3	
145	30.7	15.3	45.9	

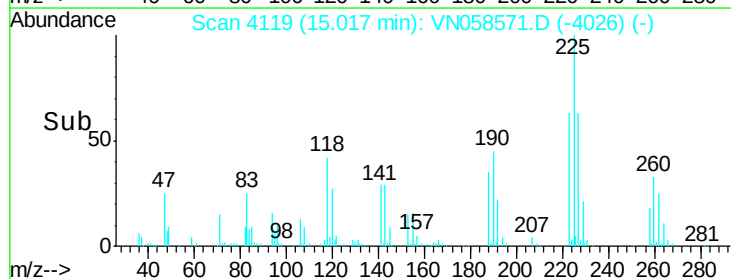
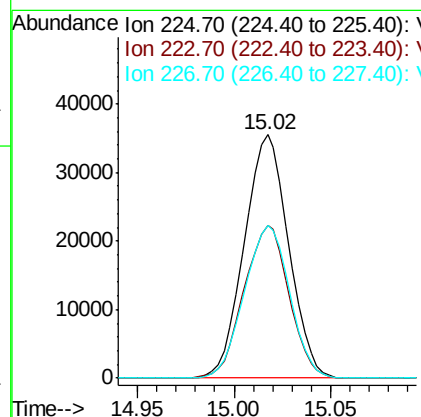
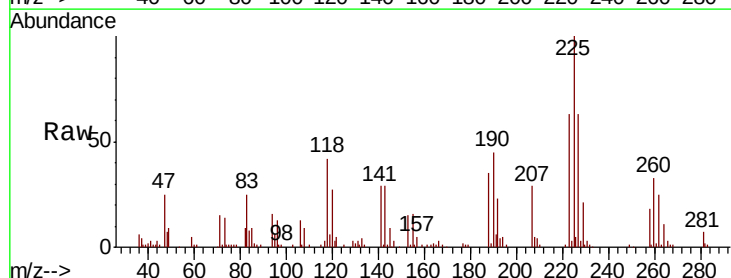
Manual Integrations
 APPROVED

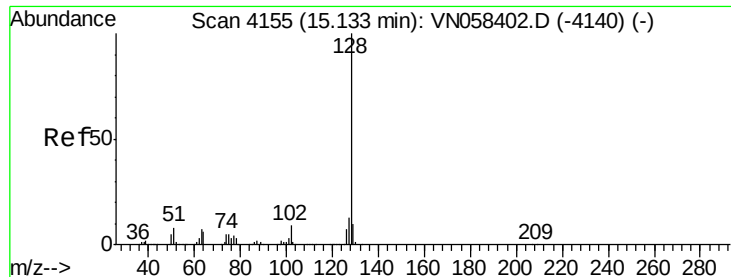
MMDadoda
 10/9/2019 10:50:42 AM



#94
 Hexachlorobutadiene
 Concen: 21.314 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058571.D
 Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56498		
223	63.9	31.1	93.5	
227	64.1	31.4	94.2	





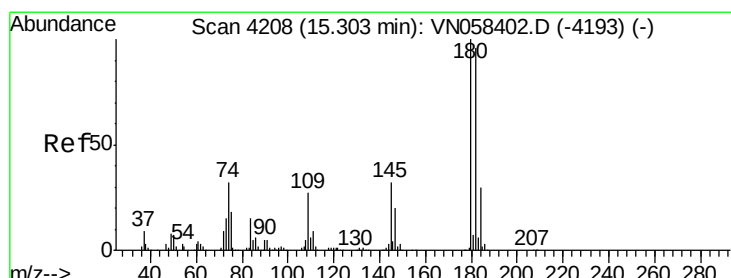
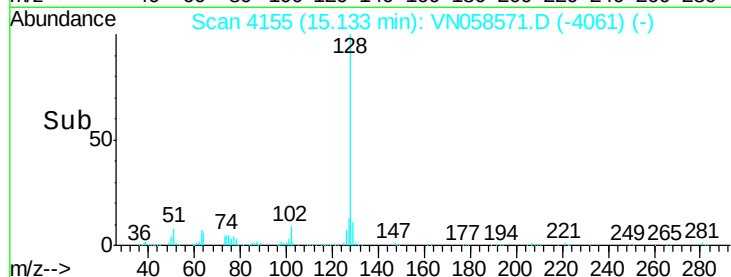
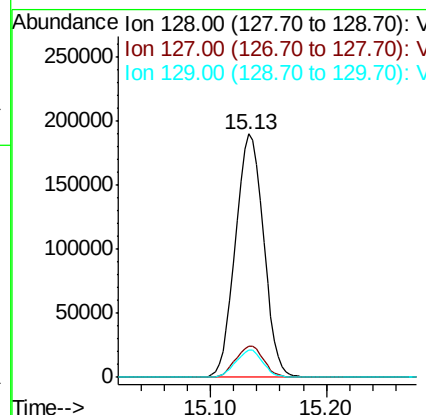
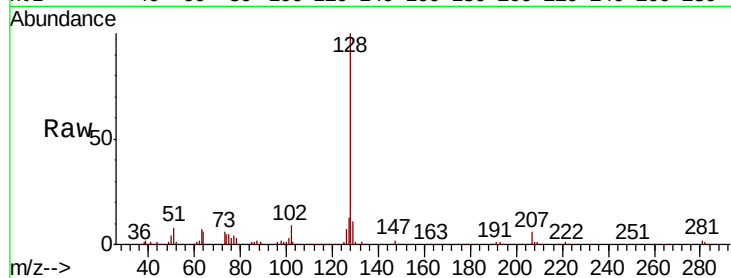
#95
Naphthalene
Concen: 21.042 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:50:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.232 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058571.D
Acq: 7 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.3	144.9
145	31.9	16.1	48.3

