

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058319.D
 Acq On : 24 Sep 2019 1:53
 Operator : JC/SP
 Sample : VN0923WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:43:15 AM

Quant Time: Sep 24 07:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	398369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	705962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300674	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	312665	56.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.70%	
35) Dibromofluoromethane	7.58	113	219444	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.09	98	849289	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.41	95	299805	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62015	18.950	ug/l	98
3) Chloromethane	2.04	50	55738	21.507	ug/l	98
4) Vinyl Chloride	2.17	62	58931	20.836	ug/l	100
5) Bromomethane	2.55	94	30161	21.080	ug/l	97
6) Chloroethane	2.68	64	42352	23.024	ug/l	97
7) Trichlorofluoromethane	3.00	101	87294	19.543	ug/l	97
8) Diethyl Ether	3.39	74	43765	21.383	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	65612	20.373	ug/l	99
10) Methyl Iodide	3.93	142	48375	17.926	ug/l	99
11) Tert butyl alcohol	4.76	59	84526	128.068	ug/l	98
12) 1,1-Dichloroethene	3.72	96	51952	21.051	ug/l	95
13) Acrolein	3.59	56	16192	165.544	ug/l	93
14) Allyl chloride	4.30	41	94190	17.873	ug/l	91
15) Acrylonitrile	4.96	53	223586	127.150	ug/l	99
16) Acetone	3.80	43	190849	101.333	ug/l	100
17) Carbon Disulfide	4.03	76	61602	18.080	ug/l	100
18) Methyl Acetate	4.30	43	125900	25.405	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	275208	22.657	ug/l	98
20) Methylene Chloride	4.53	84	76706	23.143	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	58508	21.741	ug/l	92
22) Diisopropyl ether	5.93	45	296457	22.146	ug/l	94
23) Vinyl Acetate	5.87	43	1054386	115.110	ug/l	99
24) 1,1-Dichloroethane	5.83	63	158151	22.136	ug/l	99
25) 2-Butanone	6.82	43	309207	120.507	ug/l	99
26) 2,2-Dichloropropane	6.81	77	86242	14.228	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	86096	21.312	ug/l	98
28) Bromochloromethane	7.18	49	73192	21.655	ug/l	96
29) Tetrahydrofuran	7.19	42	189045	119.610	ug/l	99
30) Chloroform	7.36	83	168030	21.849	ug/l	100
31) Cyclohexane	7.64	56	97390	19.621	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	130042	22.212	ug/l	97
36) 1,1-Dichloropropene	7.78	75	92504	18.170	ug/l	99
37) Ethyl Acetate	6.91	43	121473	22.992	ug/l	99
38) Carbon Tetrachloride	7.76	117	99624	19.467	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	86232	17.564	ug/l	97
40) Benzene	8.03	78	315614	20.297	ug/l	100
41) Methacrylonitrile	7.16	41	60810	23.342	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	136749	20.958	ug/l	99
43) Isopropyl Acetate	8.15	43	206395	20.917	ug/l #	90
44) Trichloroethene	8.83	130	74574	19.598	ug/l	99
45) 1,2-Dichloropropane	9.11	63	99948	21.523	ug/l	99
46) Dibromomethane	9.20	93	60668	21.488	ug/l	97
47) Bromodichloromethane	9.40	83	128442	21.715	ug/l	96
48) Methyl methacrylate	9.19	41	99086	22.117	ug/l	98
49) 1,4-Dioxane	9.19	88	33493	455.342	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	675466	128.880	ug/l	98
52) Toluene	10.15	92	195954	20.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	116992	19.309	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	131348	19.635	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96449	22.302	ug/l	98
56) Ethyl methacrylate	10.43	69	135878	21.776	ug/l	98
57) 1,3-Dichloropropane	10.71	76	163913	22.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	334992	112.710	ug/l	100
59) 2-Hexanone	10.75	43	474274	121.844	ug/l	99
60) Dibromochloromethane	10.90	129	87724	21.085	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85730	21.391	ug/l	99
64) Tetrachloroethene	10.63	164	58784	18.874	ug/l	97
65) Chlorobenzene	11.44	112	227320	20.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88082	21.615	ug/l	99
67) Ethyl Benzene	11.51	91	401385	20.844	ug/l	100
68) m/p-Xylenes	11.63	106	289872	39.968	ug/l	97
69) o-Xylene	11.95	106	143461	20.117	ug/l	99
70) Styrene	11.97	104	259261	21.100	ug/l	99
71) Bromoform	12.13	173	54826	20.437	ug/l #	98
73) Isopropylbenzene	12.25	105	405493	21.546	ug/l	99
74) N-amyl acetate	12.08	43	182767	23.214	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	151355	24.015	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	121266m	22.535	ug/l	
77) Bromobenzene	12.53	156	98469	20.800	ug/l	98
78) n-propylbenzene	12.60	91	468517	21.907	ug/l	99
79) 2-Chlorotoluene	12.68	91	287538	21.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	348088	21.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	29213	20.069	ug/l	87
82) 4-Chlorotoluene	12.78	91	299823	21.340	ug/l	100
83) tert-Butylbenzene	13.00	119	305987	21.560	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	345533	21.817	ug/l	99
85) sec-Butylbenzene	13.18	105	406735	21.916	ug/l	98
86) p-Isopropyltoluene	13.30	119	357242	21.652	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	181713	21.015	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	181952	20.612	ug/l	97
89) n-Butylbenzene	13.62	91	318544	20.364	ug/l	98
90) Hexachloroethane	13.88	117	55760	21.007	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	187645	21.634	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25438	22.419	ug/l	96

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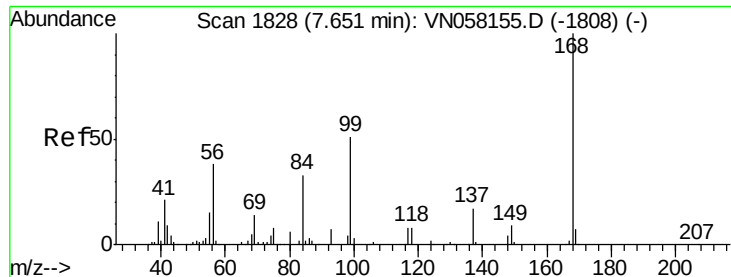
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	106450	19.209	ug/l	99
94) Hexachlorobutadiene	15.02	225	49575	18.508	ug/l	100
95) Naphthalene	15.14	128	310098	21.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	104098	19.874	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion:168 Resp: 398369

Ion Ratio Lower Upper

168 100

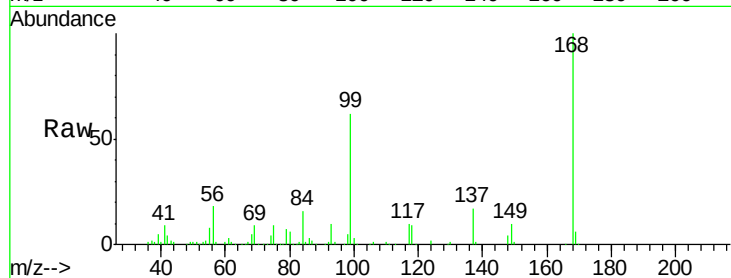
99 61.0 47.4 71.2

Manual Integrations

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9/26/2019 12:43:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

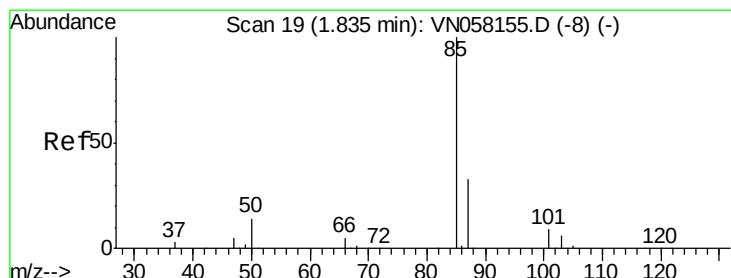
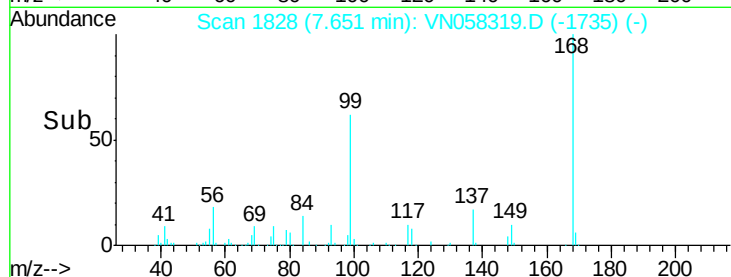
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.950 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058319.D

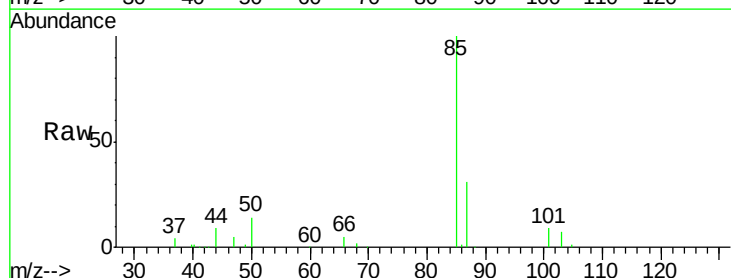
Acq: 24 Sep 2019 1:53

Tgt Ion: 85 Resp: 62015

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

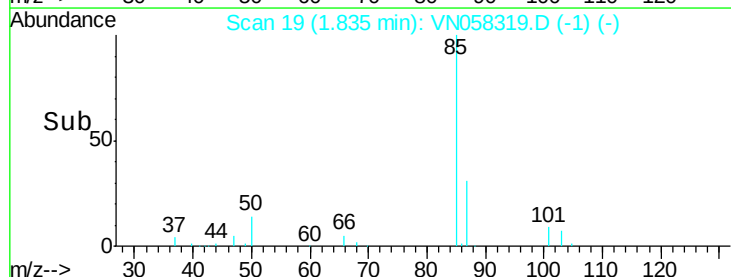
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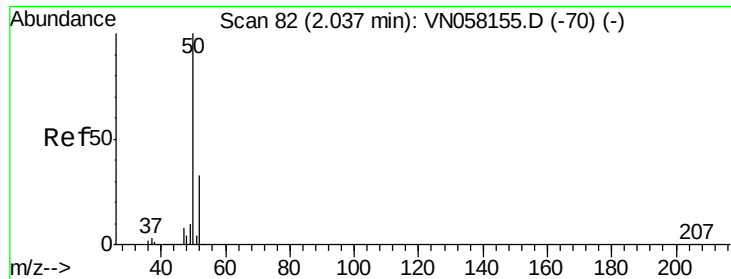
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.507 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tot Ion: 50 Resp: 55738

Ion Ratio Lower Upper

50 100

52 31.8 26.3 39.5

Instrument :

MSVOA_N

ClientSampleId :

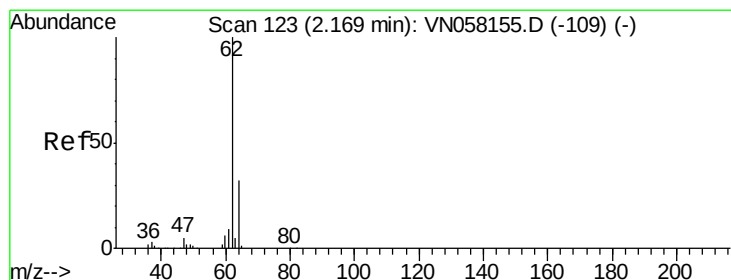
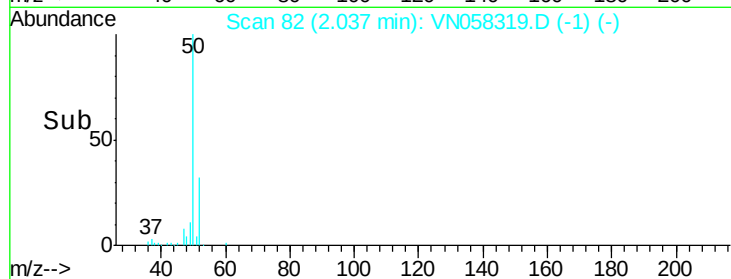
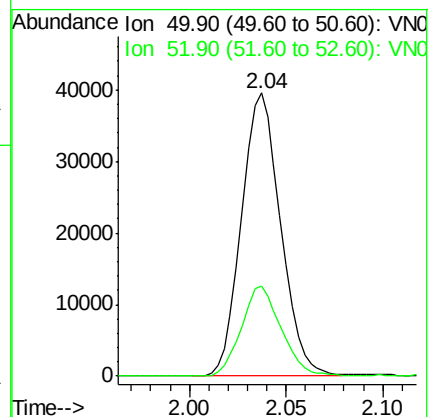
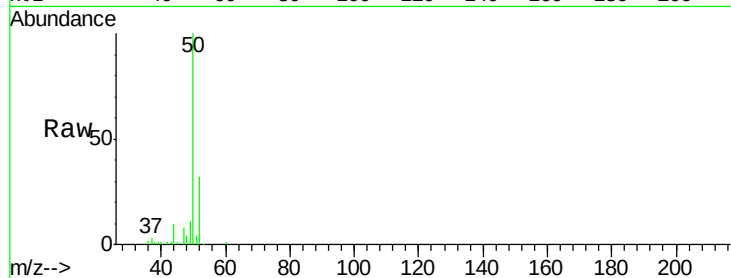
VN0923WBSD02

Manual Integrations

APPROVED

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9/26/2019 12:43:15 AM



#4

Vinyl Chloride

Concen: 20.836 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058319.D

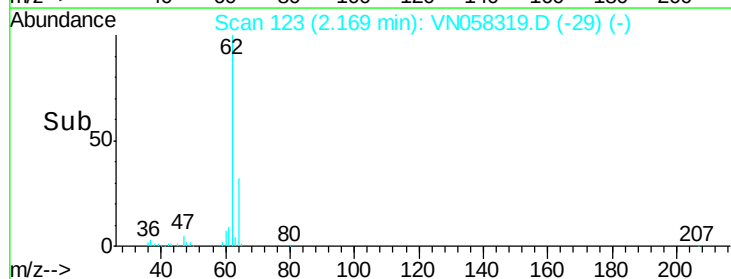
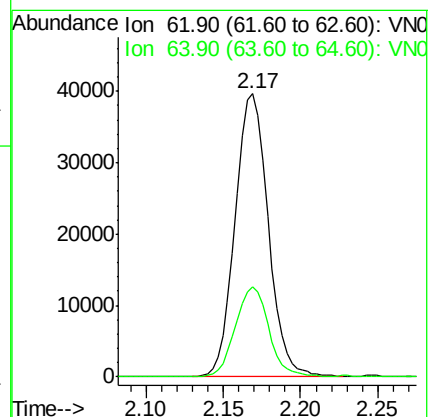
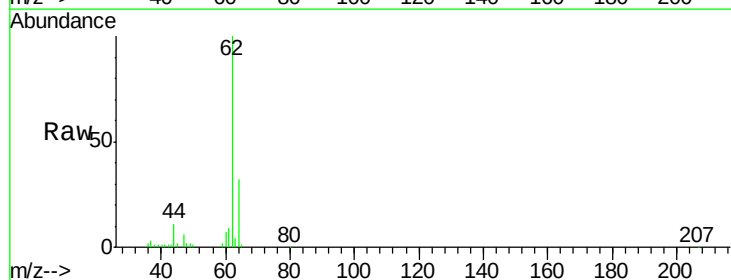
Acq: 24 Sep 2019 1:53

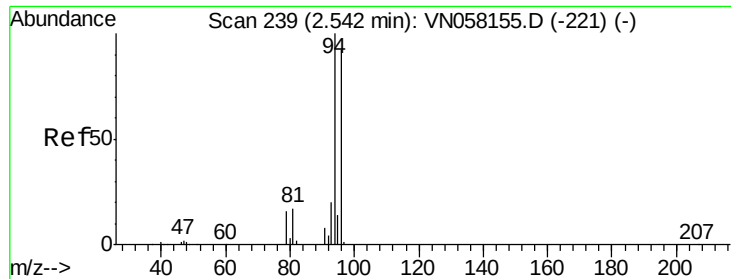
Tgt Ion: 62 Resp: 58931

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 21.080 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 94 Resp: 30161

Ion Ratio Lower Upper

94 100

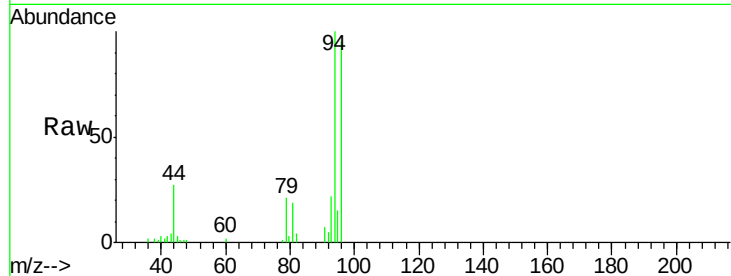
96 94.7 73.3 109.9

Manual Integrations

APPROVED

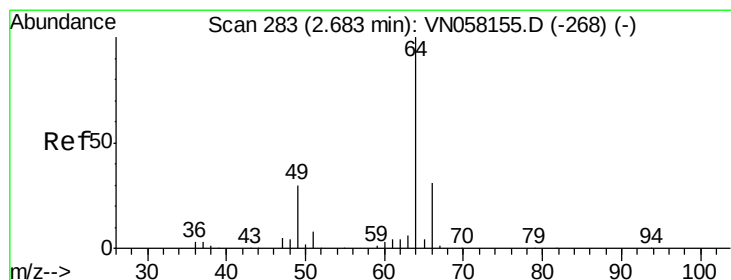
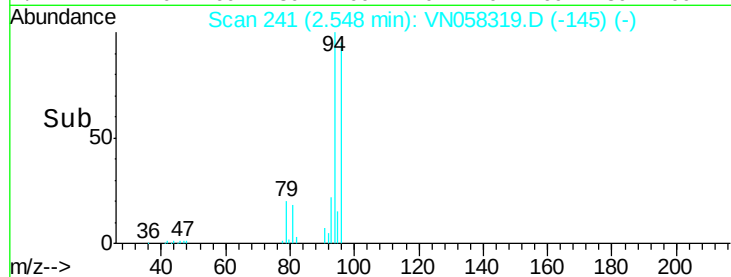
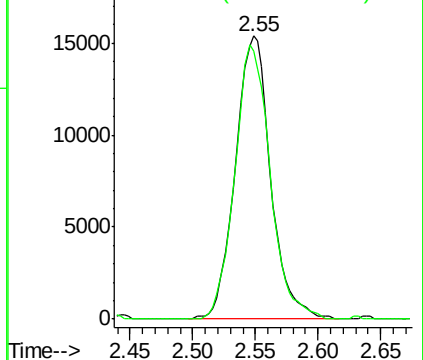
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9/26/2019 12:43:15 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 23.024 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058319.D

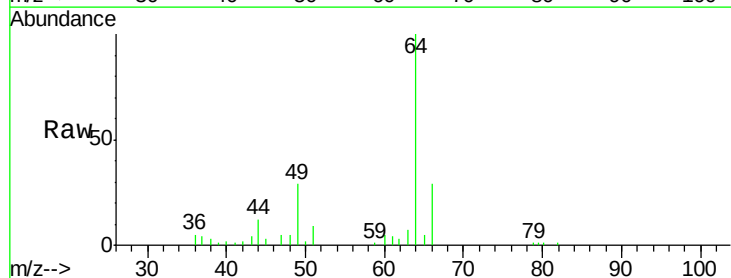
Acq: 24 Sep 2019 1:53

Tgt Ion: 64 Resp: 42352

Ion Ratio Lower Upper

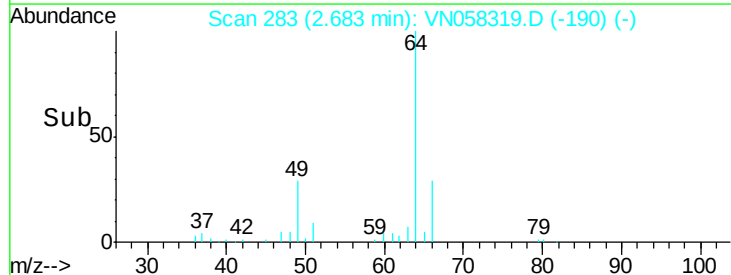
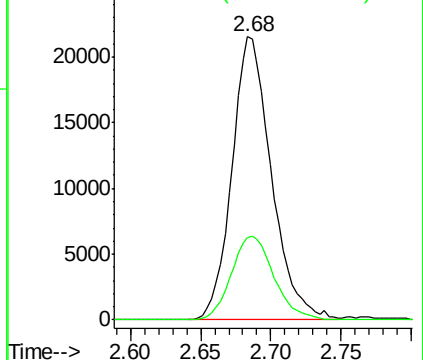
64 100

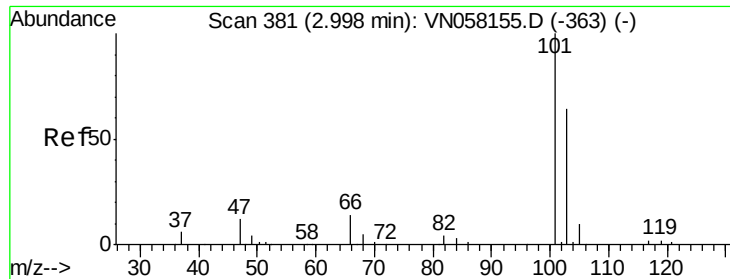
66 29.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

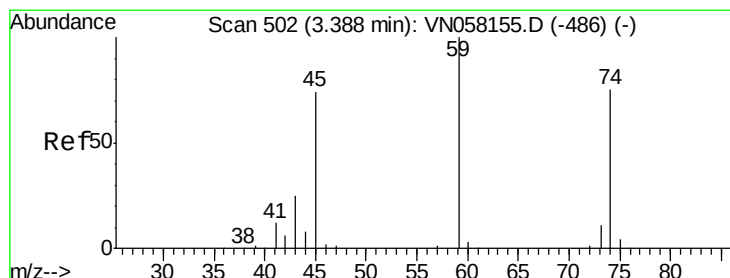
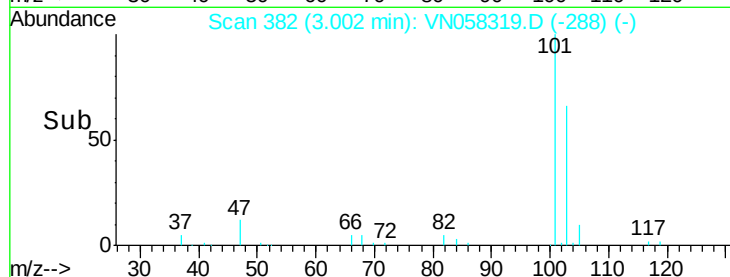
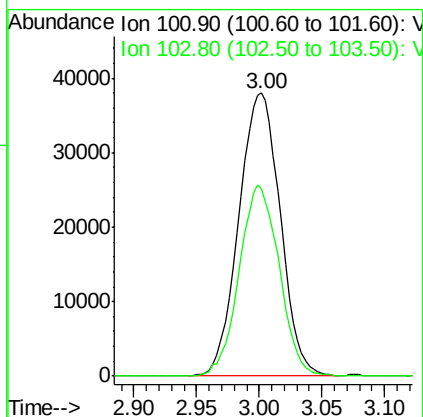
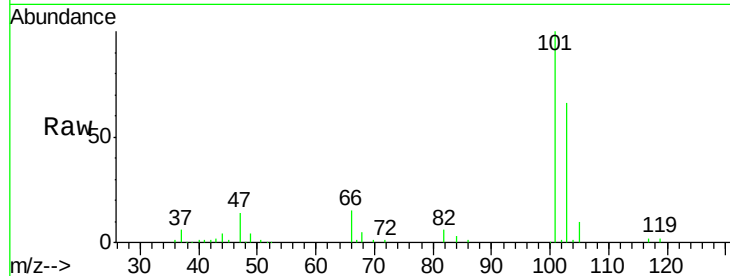
Trichlorofluoromethane
Concen: 19.543 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
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ClientSampleId :
VN0923WBSD02

Tot Ion:101 Resp: 87294
Ion Ratio Lower Upper
101 100
103 66.0 51.0 76.6

Manual Integrations
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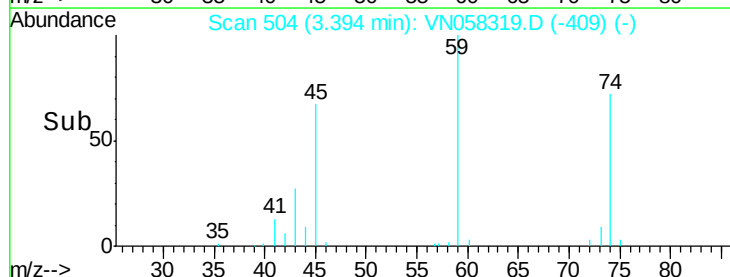
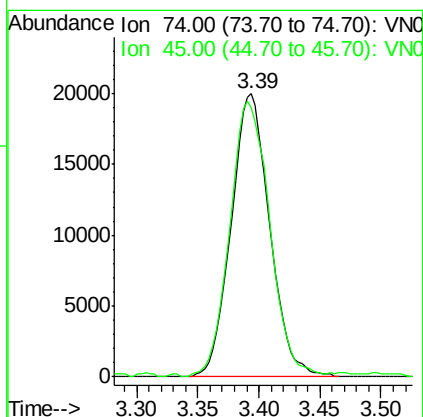
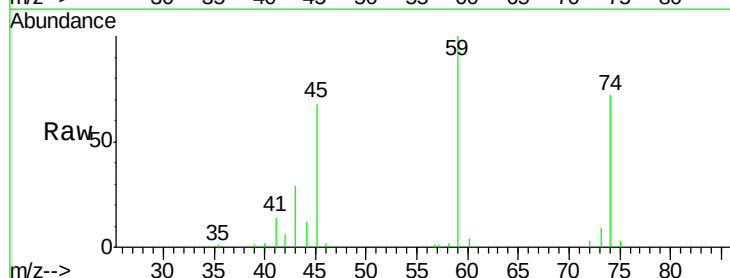
MMDadoda
9/26/2019 12:43:15 AM

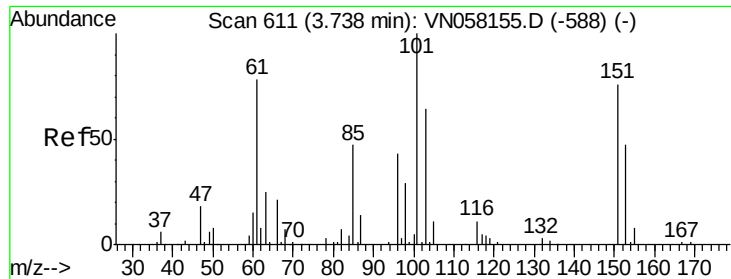


#8

Diethyl Ether
Concen: 21.383 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 74 Resp: 43765
Ion Ratio Lower Upper
74 100
45 101.1 48.5 145.5





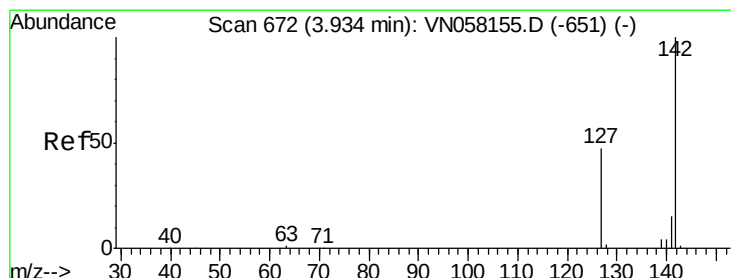
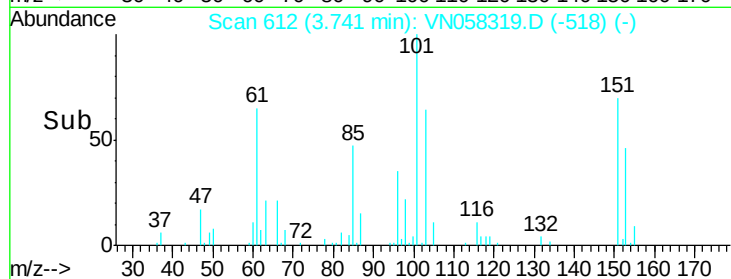
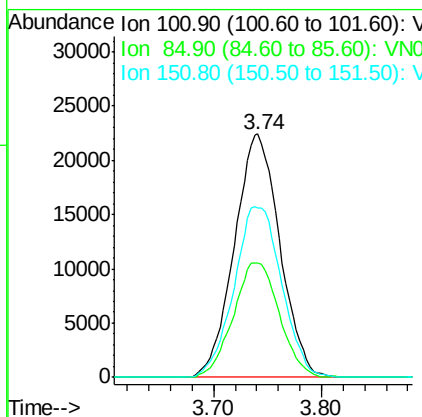
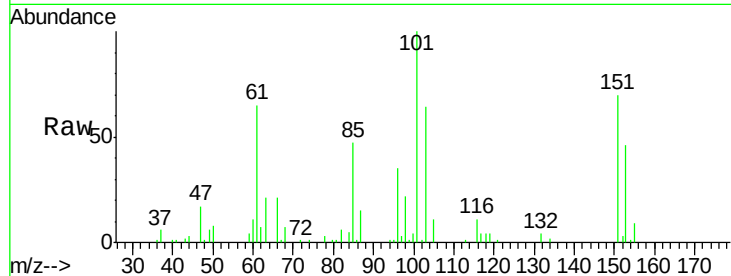
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.373 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.6	37.3	55.9
151	73.5	59.6	89.4

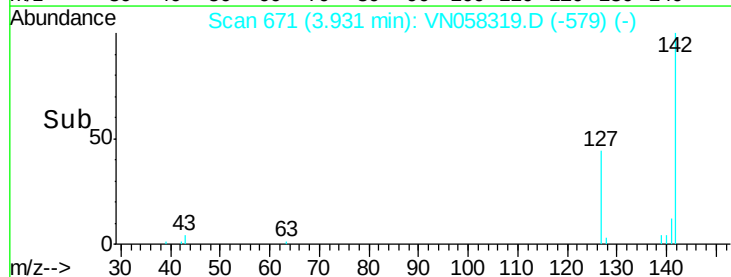
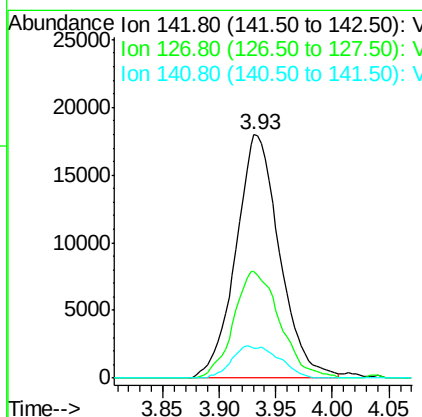
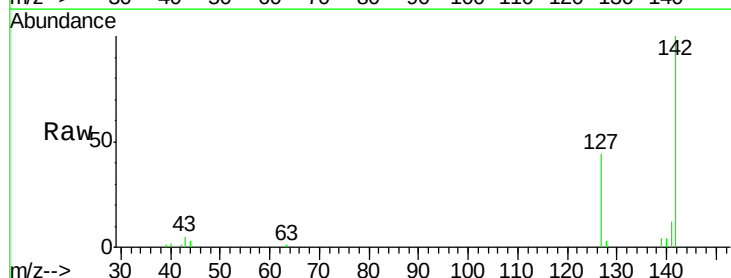
Manual Integrations
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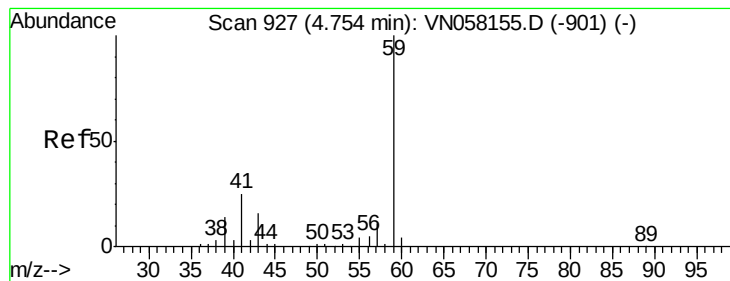
MMDadoda
 9/26/2019 12:43:15 AM



#10
 Methyl Iodide
 Concen: 17.926 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.4	37.5	56.3
141	14.3	11.4	17.2





#11

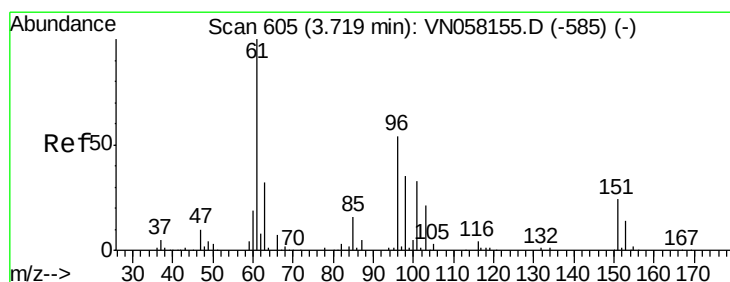
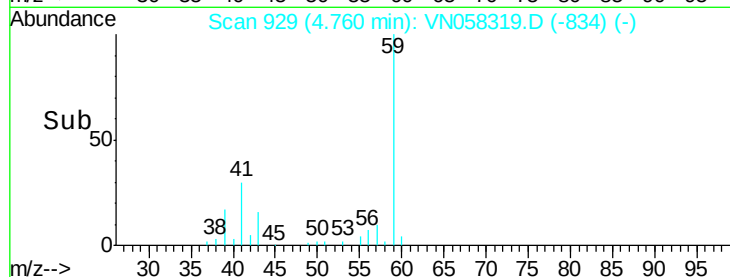
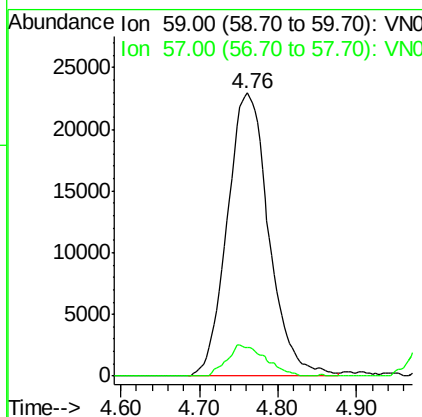
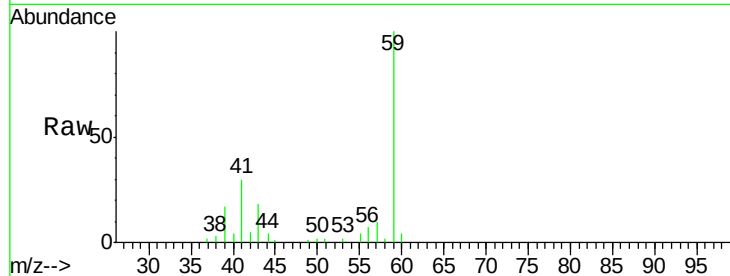
Tert butyl alcohol
 Concen: 128.068 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	13.0

Manual Integrations
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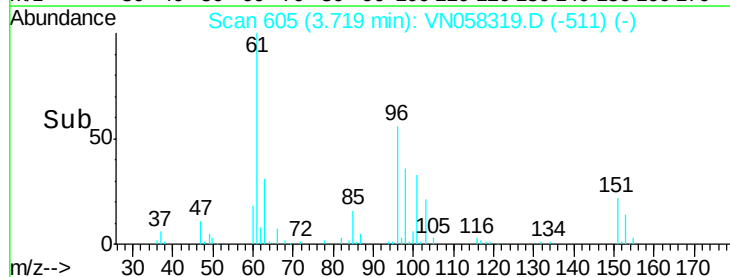
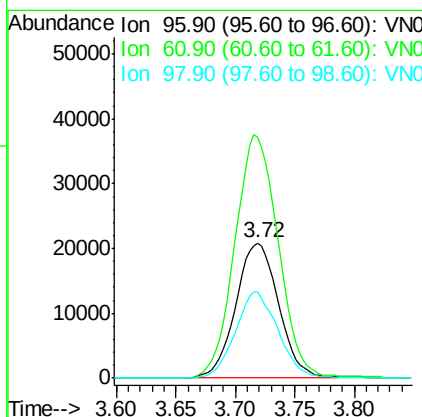
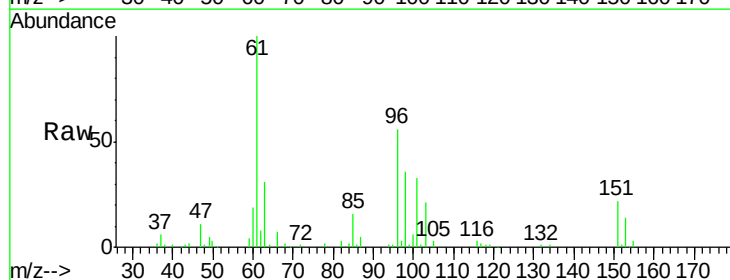
MMDadoda
 9/26/2019 12:43:15 AM

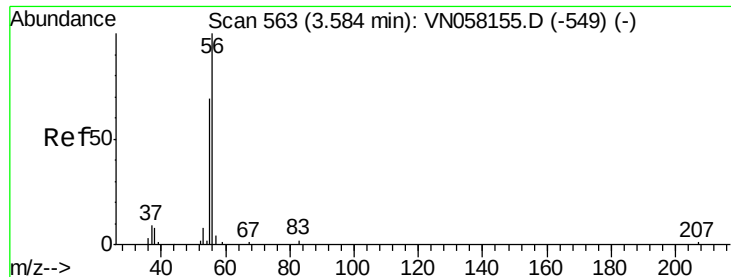


#12

1,1-Dichloroethene
 Concen: 21.051 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.2	149.5	224.3
98	63.7	52.4	78.6





#13

Acrolein

Concen: 165.544 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 56 Resp: 16192

Ion Ratio Lower Upper

56 100

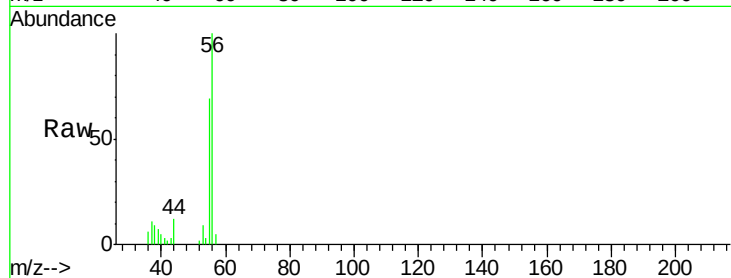
55 76.2 56.1 84.1

Manual Integrations

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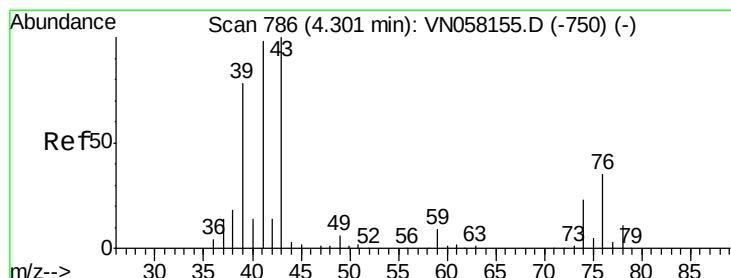
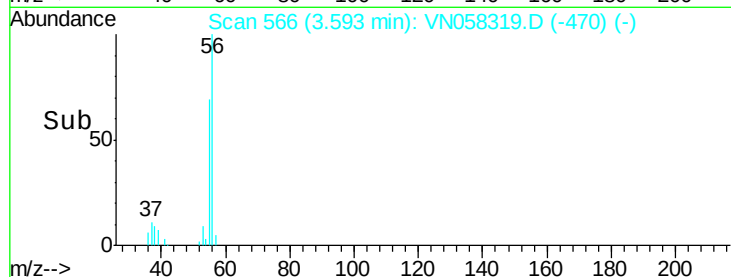
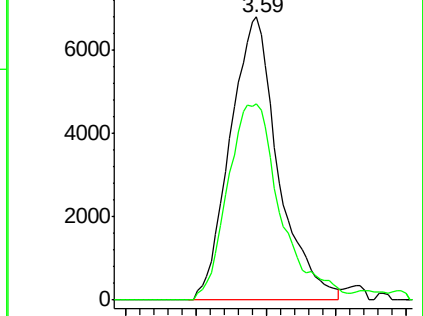
MMDadoda

9/26/2019 12:43:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.873 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

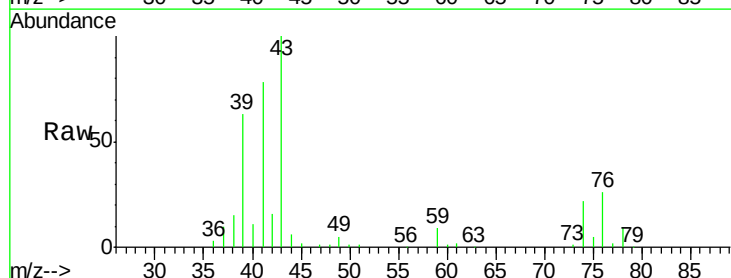
Tgt Ion: 41 Resp: 94190

Ion Ratio Lower Upper

41 100

39 83.4 59.1 88.7

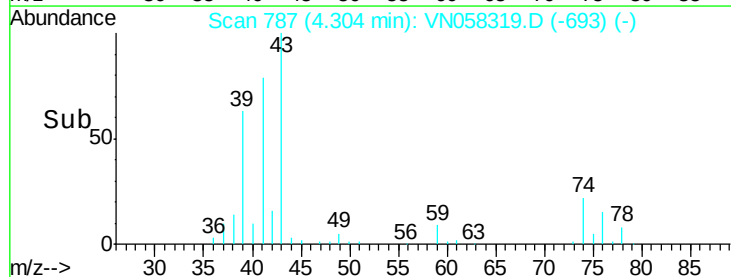
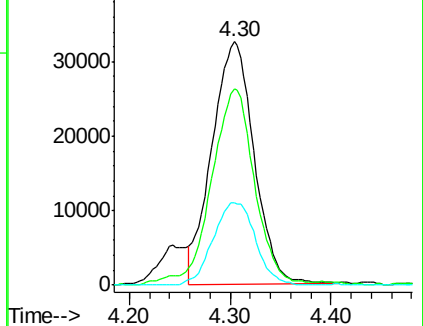
76 34.3 25.1 37.7

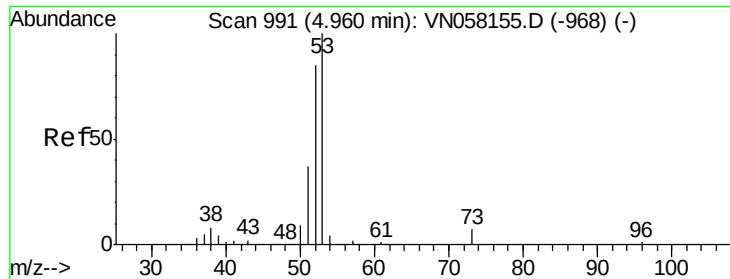


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 127.150 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

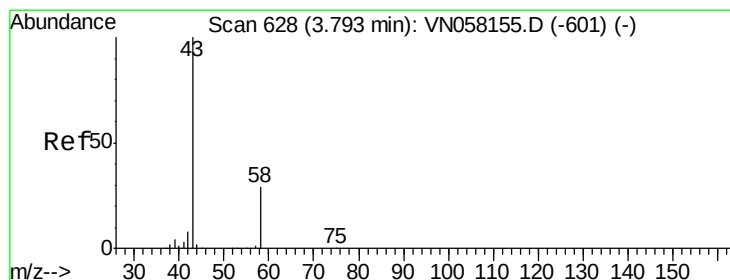
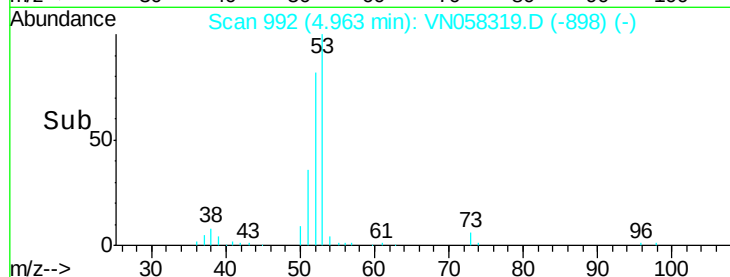
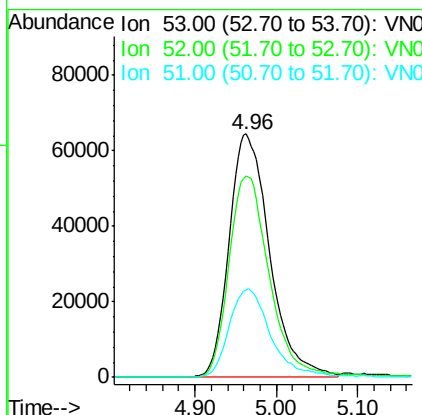
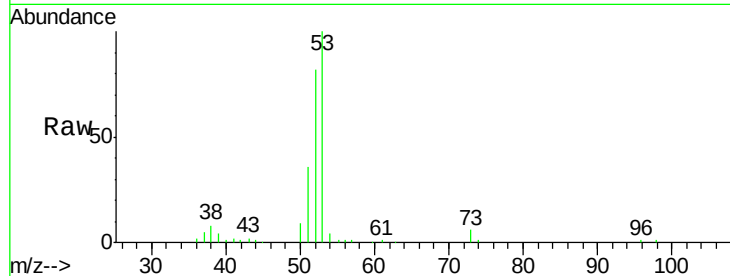
ClientSampleId :

VN0923WBSD02

Tot Ion:	53	Resp:	223586
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	100.0
51	36.9	29.7	44.5

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#16

Acetone

Concen: 101.333 ug/l

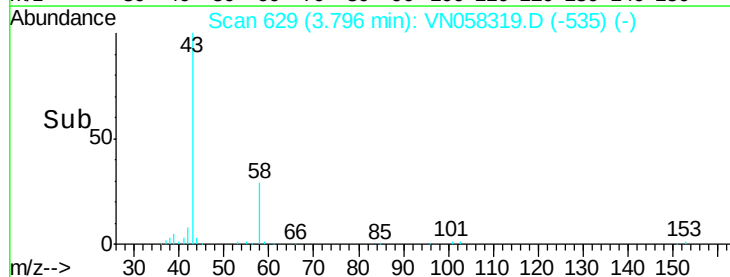
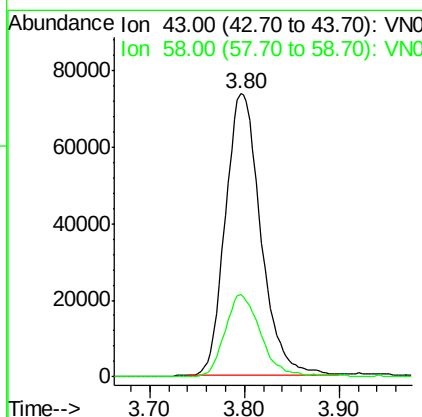
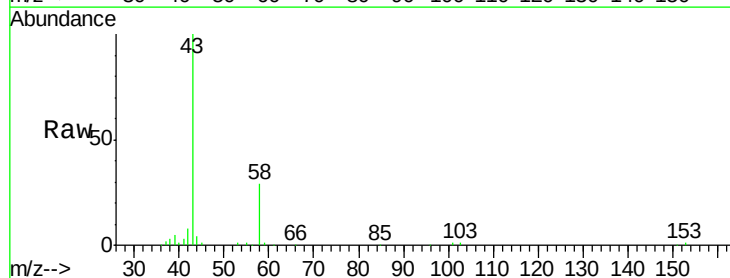
RT: 3.80 min Scan# 629

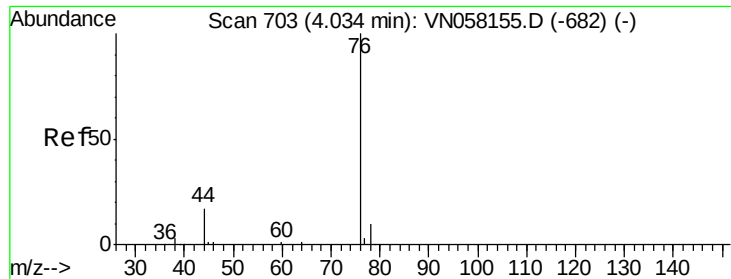
Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion:	43	Resp:	190849
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.4	35.2





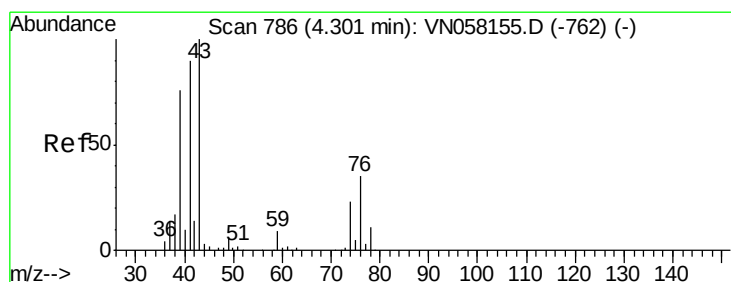
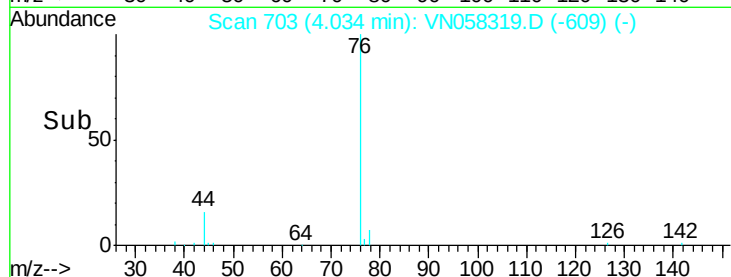
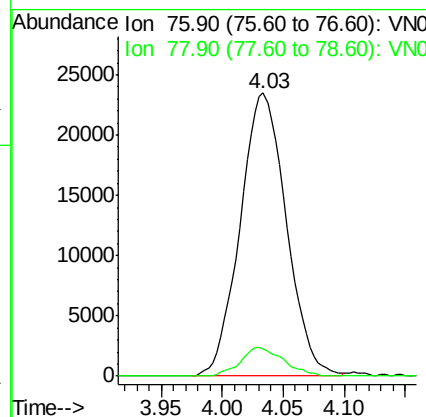
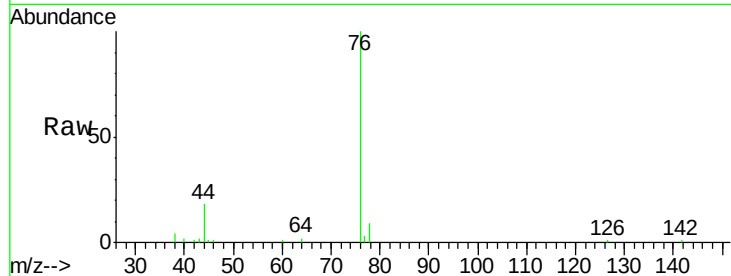
#17
Carbon Disulfide
Concen: 18.080 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.7	11.5

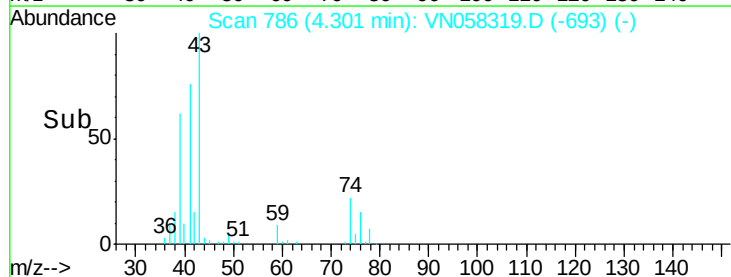
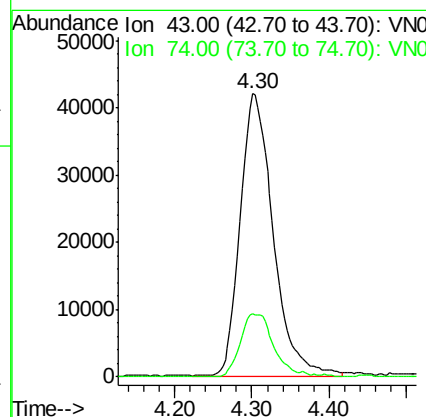
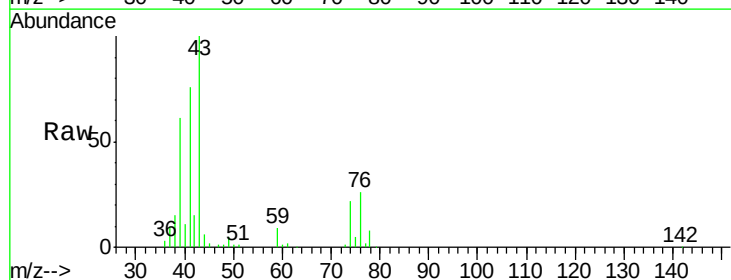
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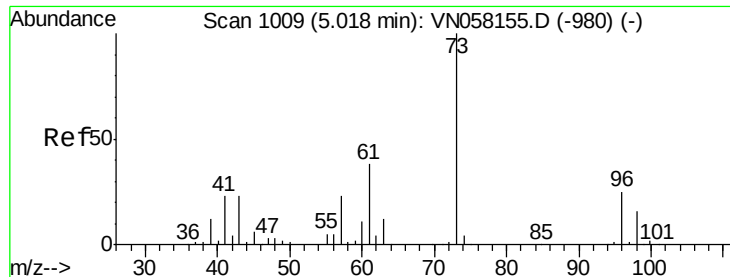
MMDadoda
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#18
Methyl Acetate
Concen: 25.405 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.0	27.0





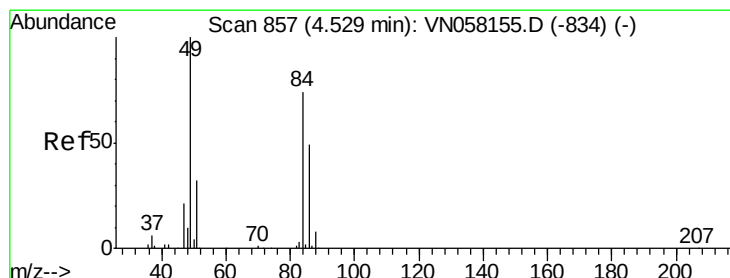
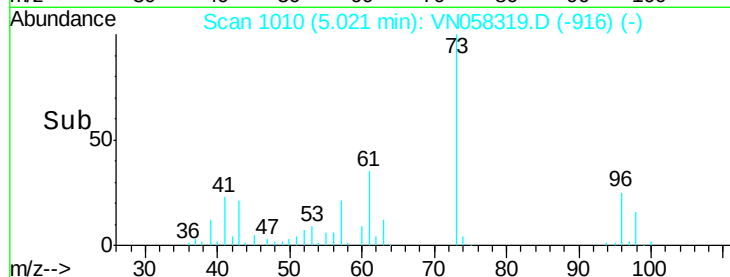
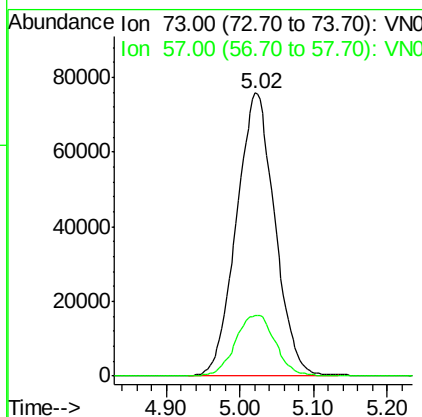
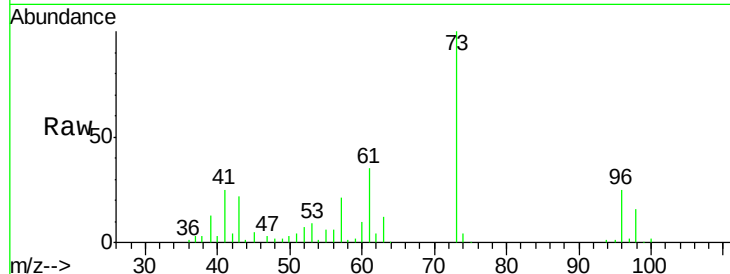
#19
Methyl tert-butyl Ether
Concen: 22.657 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion: 73 Resp: 275208
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1

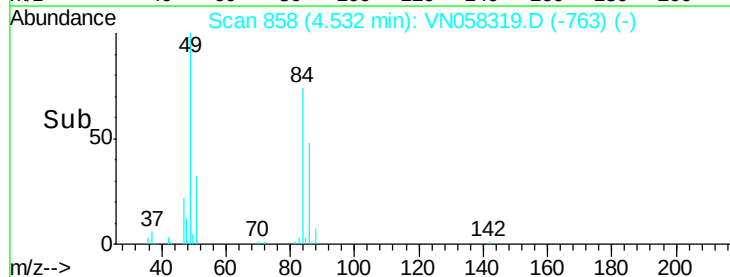
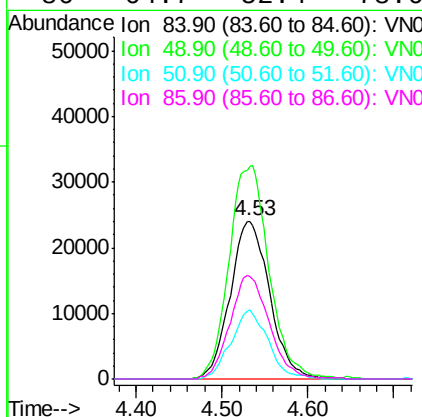
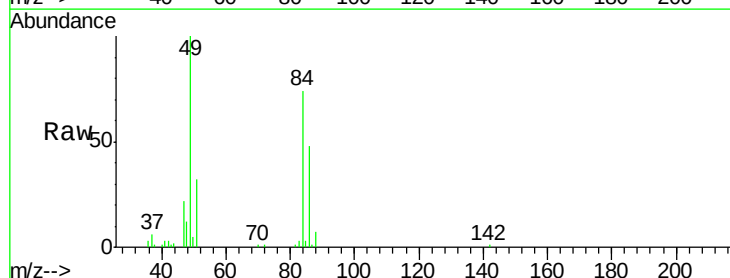
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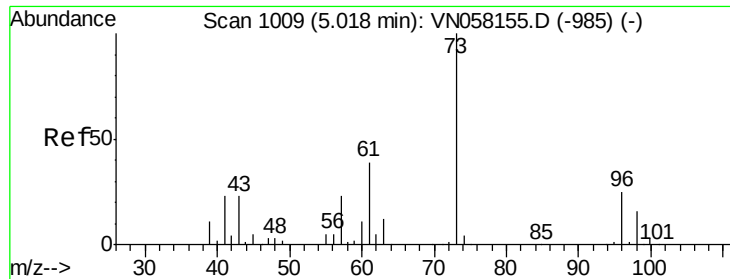
MMDadoda
9/26/2019 12:43:15 AM



#20
Methylene Chloride
Concen: 23.143 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 84 Resp: 76706
Ion Ratio Lower Upper
84 100
49 134.9 107.5 161.3
51 43.5 33.9 50.9
86 64.7 52.4 78.6





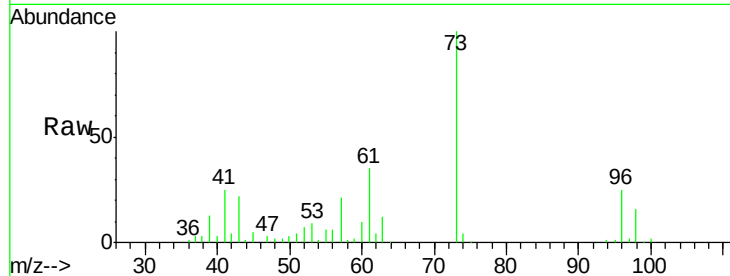
#21
trans-1,2-Dichloroethene
Concen: 21.741 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	122.2	183.4
98	63.6	49.9	74.9

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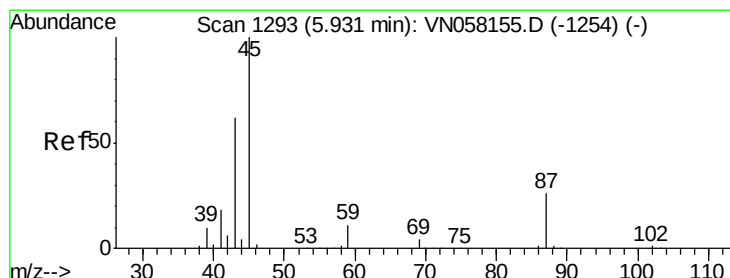
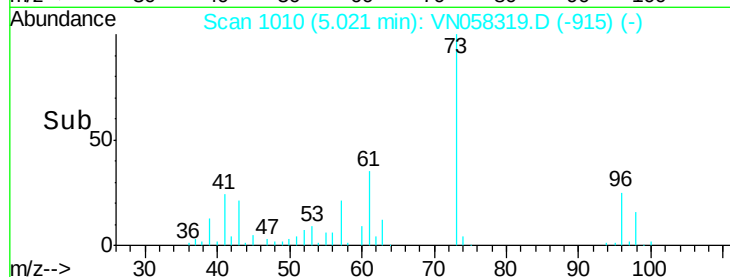
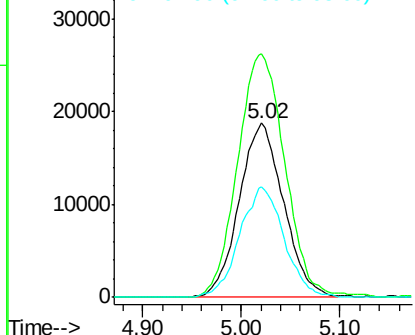


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 22.146 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.6	49.7	74.5
87	24.9	20.7	31.1
59	11.1	9.1	13.7

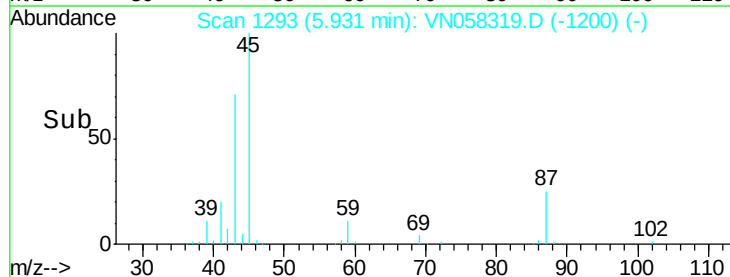
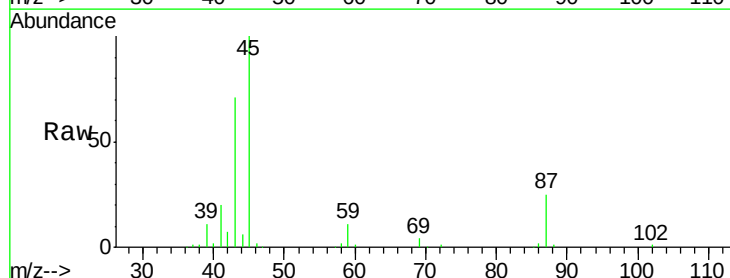
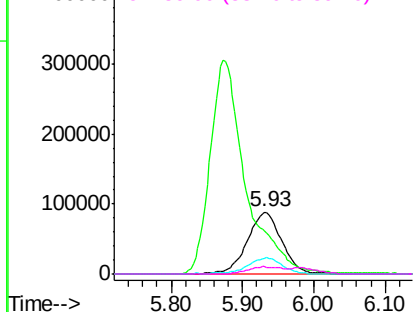
Abundance

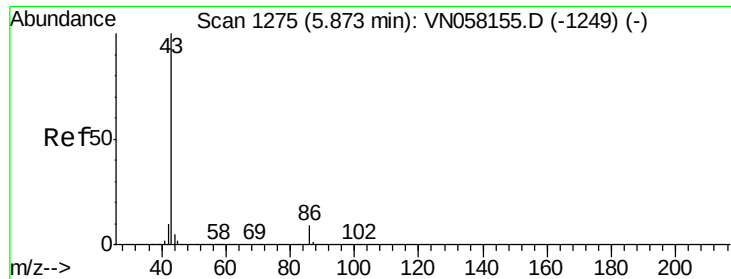
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 115.110 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 43 Resp: 1054386

Ion Ratio Lower Upper

43 100

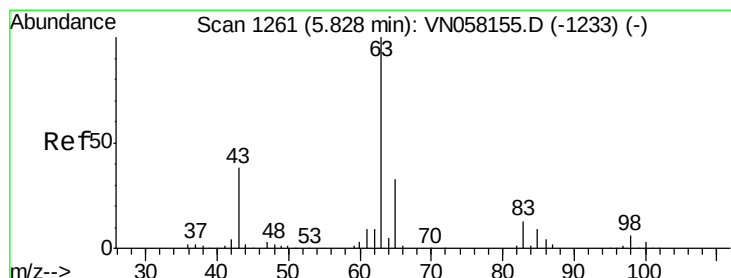
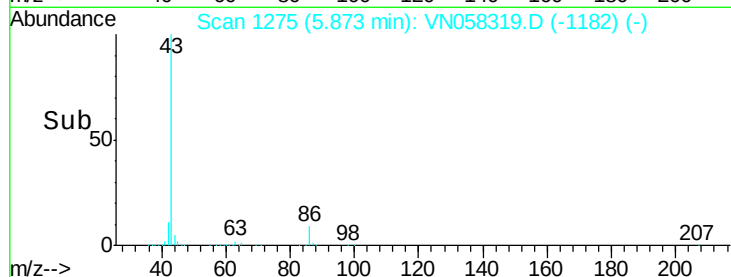
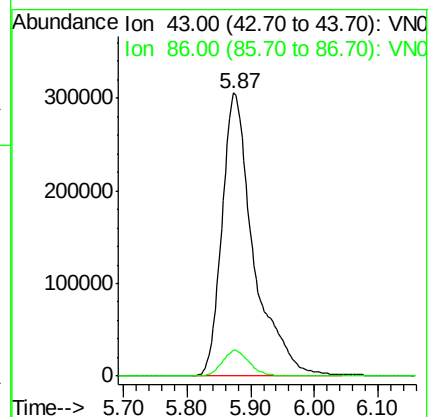
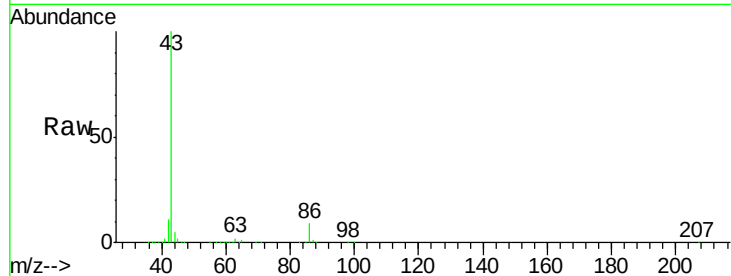
86 9.0 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 22.136 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

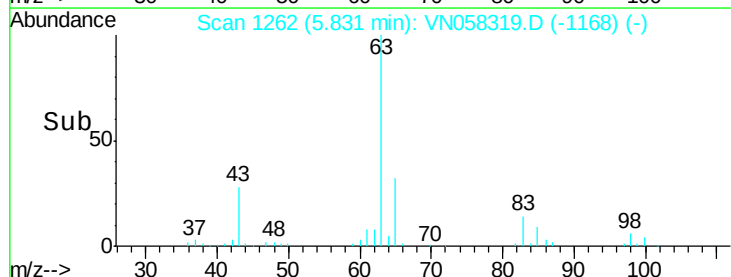
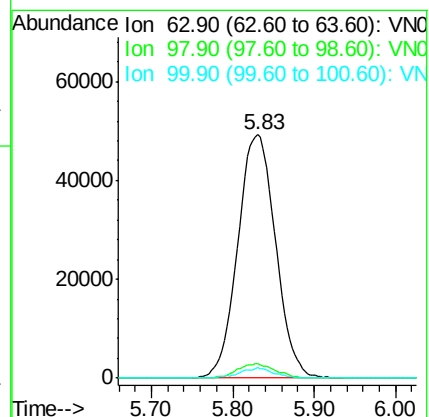
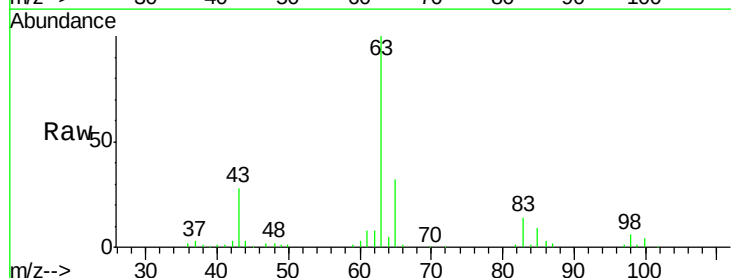
Tgt Ion: 63 Resp: 158151

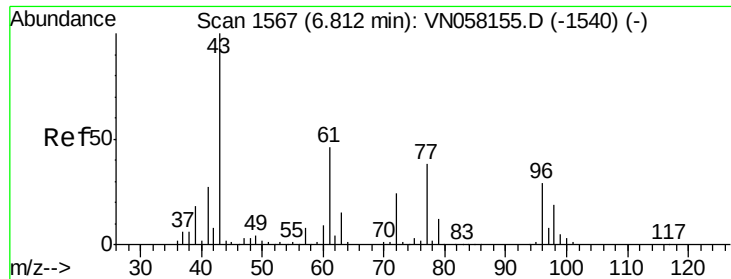
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 4.2 1.8 5.3





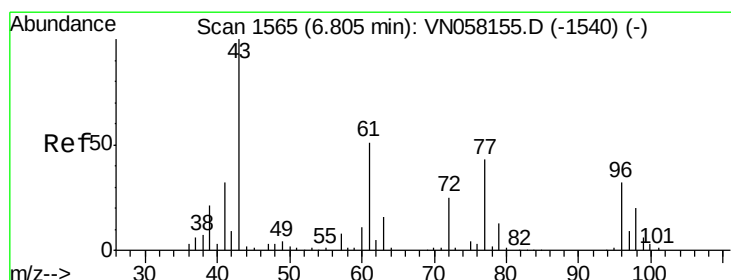
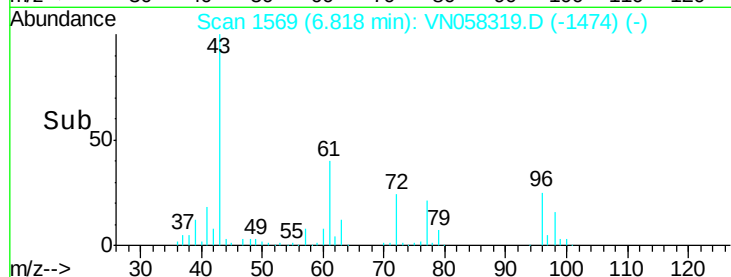
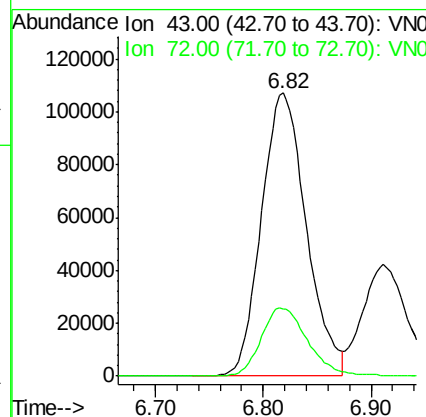
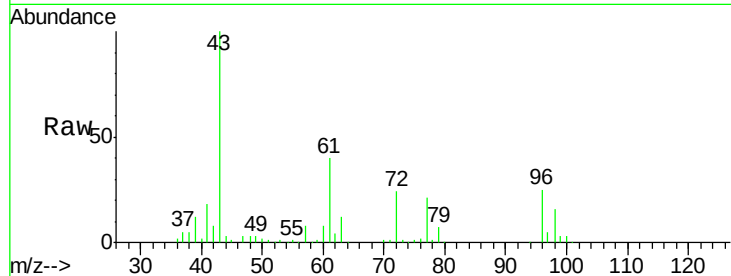
#25
2-Butanone
Concen: 120.507 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion: 43 Resp: 309207
Ion Ratio Lower Upper
43 100
72 23.9 19.5 29.3

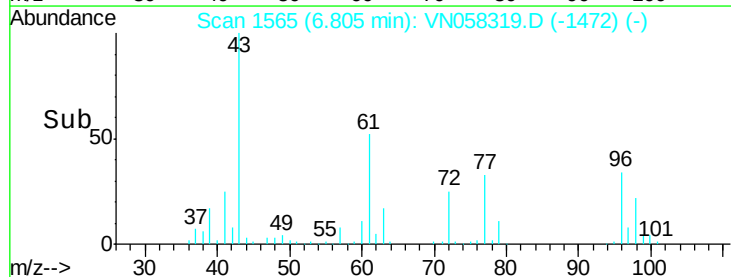
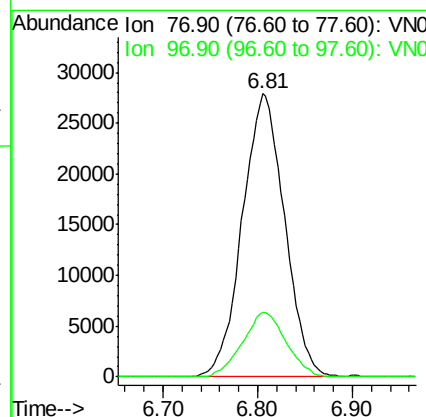
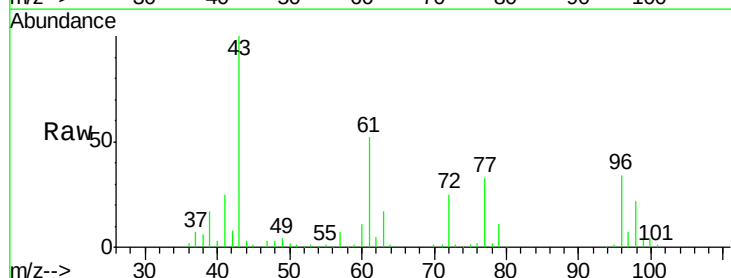
Manual Integrations
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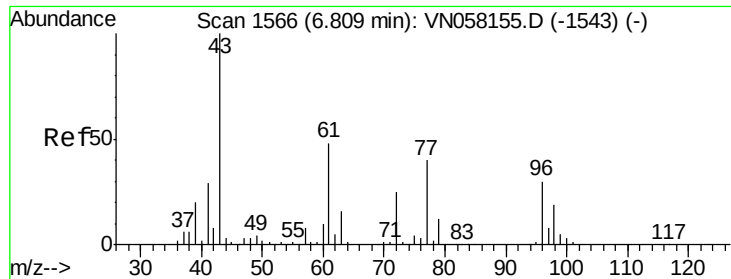
MMDadoda
9/26/2019 12:43:15 AM



#26
2,2-Dichloropropane
Concen: 14.228 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 77 Resp: 86242
Ion Ratio Lower Upper
77 100
97 23.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 21.312 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

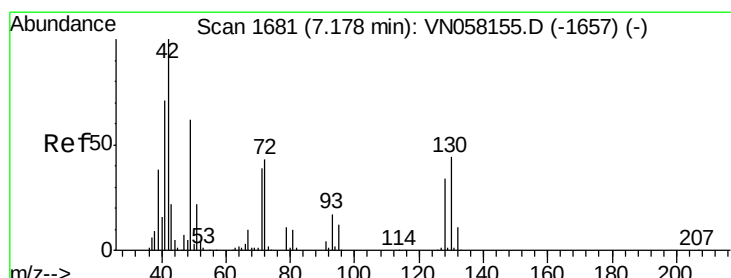
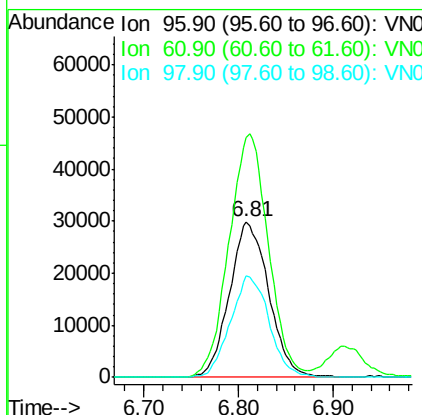
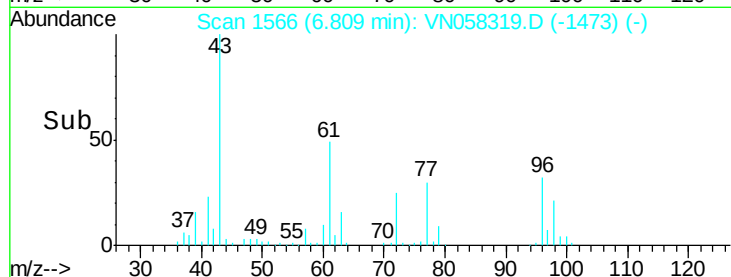
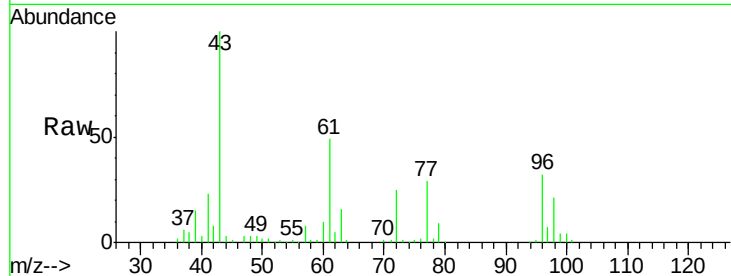
ClientSampled :

VN0923WBSD02

Tot Ion:	96	Resp:	86096
Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	319.0
98	64.1	0.0	126.6

Manual Integrations
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MMDadoda
9/26/2019 12:43:15 AM



#28

Bromochloromethane

Concen: 21.655 ug/l

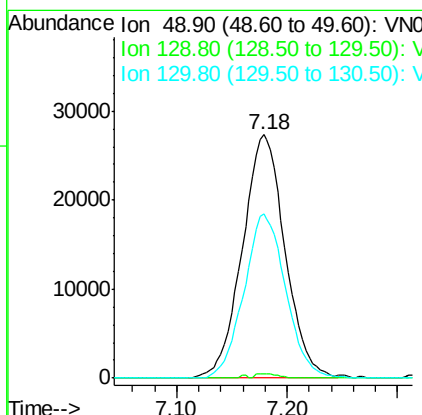
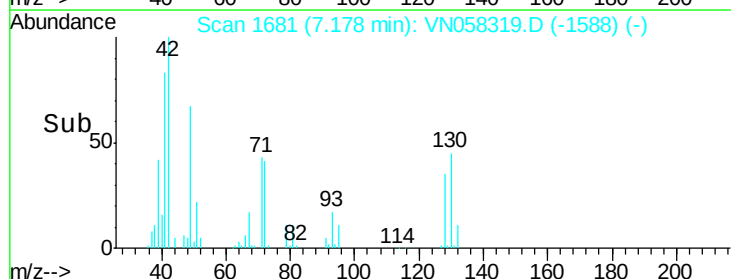
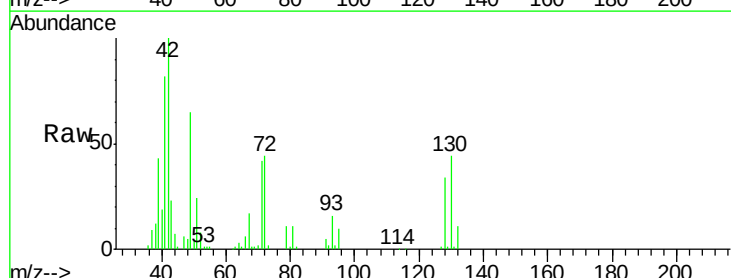
RT: 7.18 min Scan# 1681

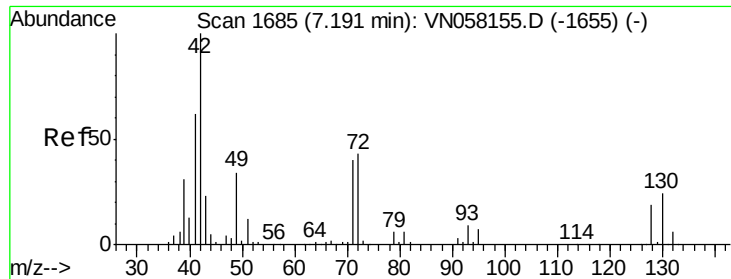
Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion:	49	Resp:	73192
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.8
130	65.9	55.4	83.2





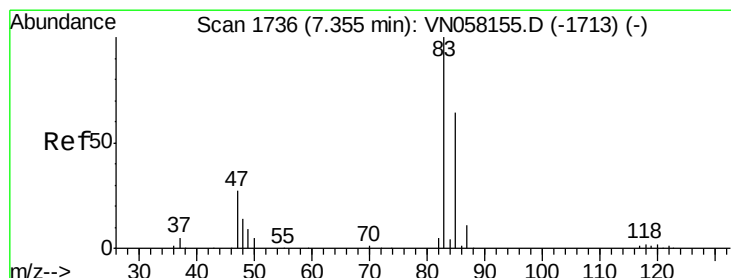
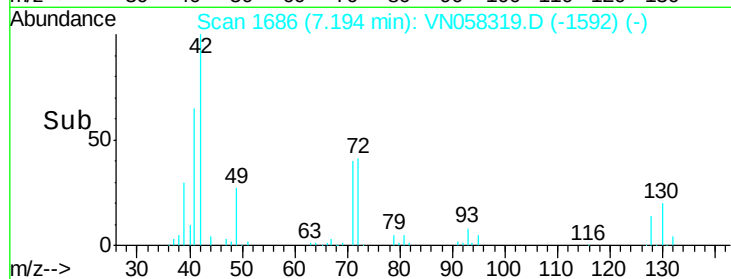
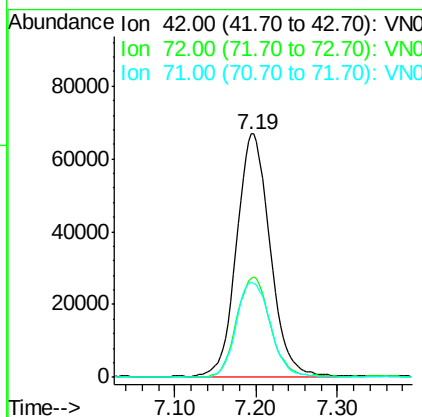
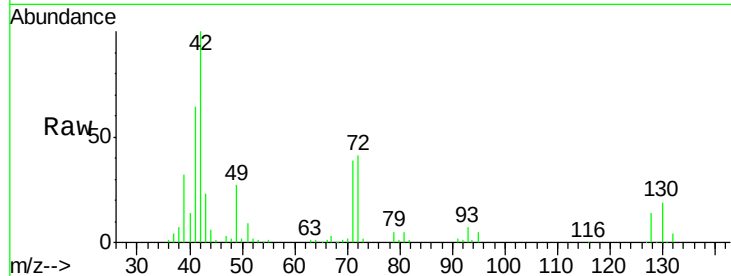
#29
Tetrahydrofuran
Concen: 119.610 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	40.1	31.4	47.0

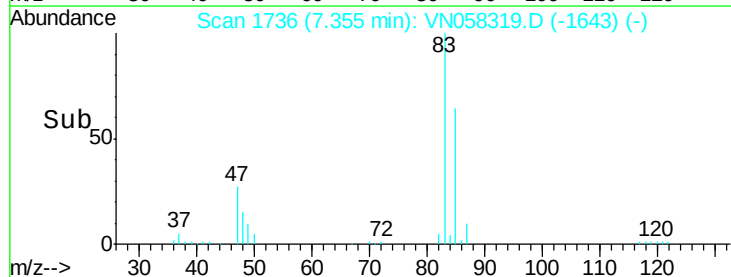
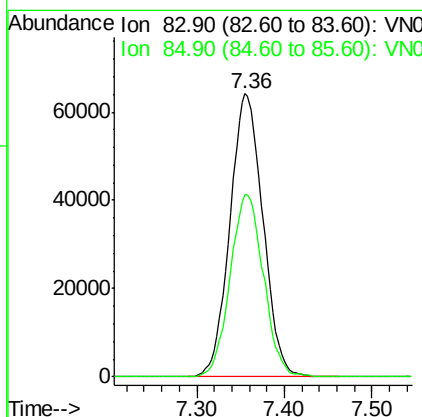
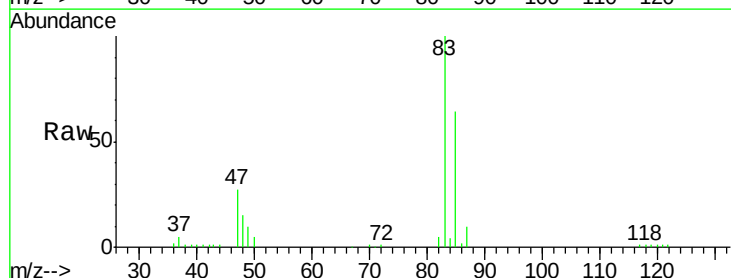
Manual Integrations
APPROVED

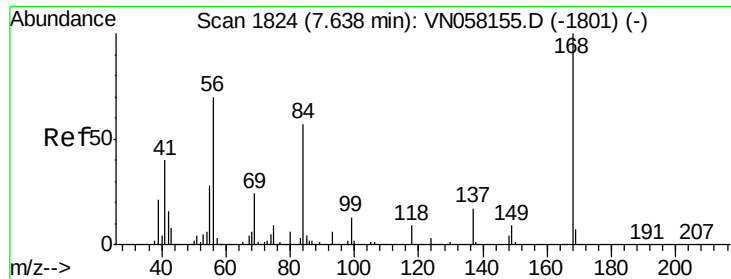
MMDadoda
9/26/2019 12:43:15 AM



#30
Chloroform
Concen: 21.849 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





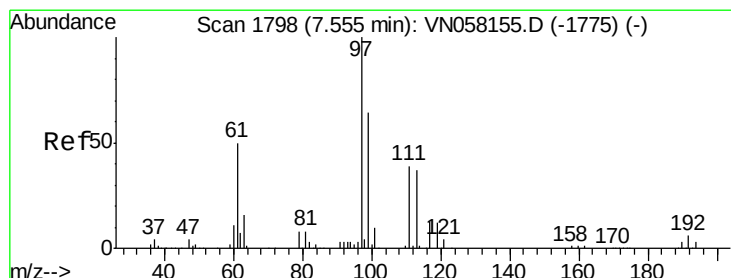
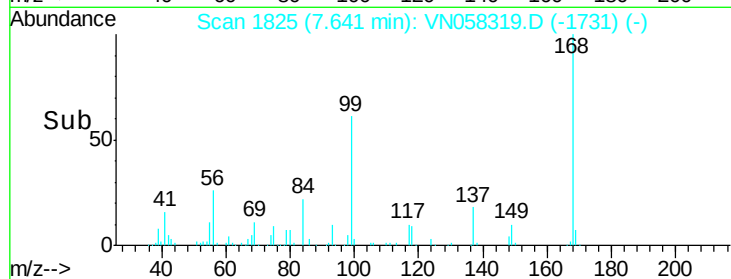
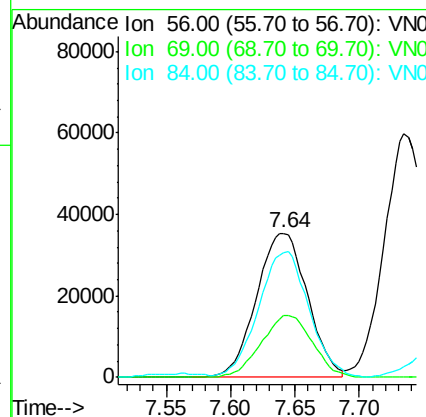
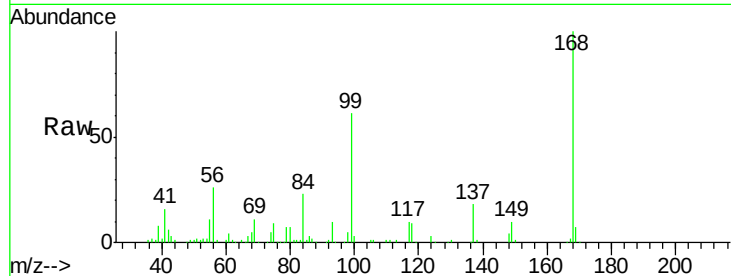
#31
Cyclohexane
Concen: 19.621 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		97390		
69	42.6	27.3		40.9#	
84	84.6	65.0		97.4	

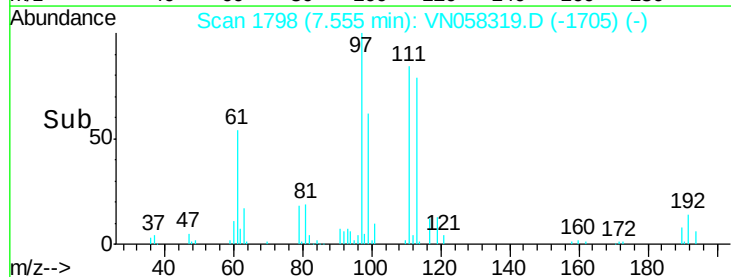
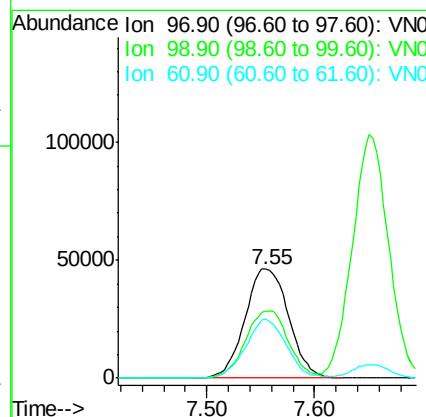
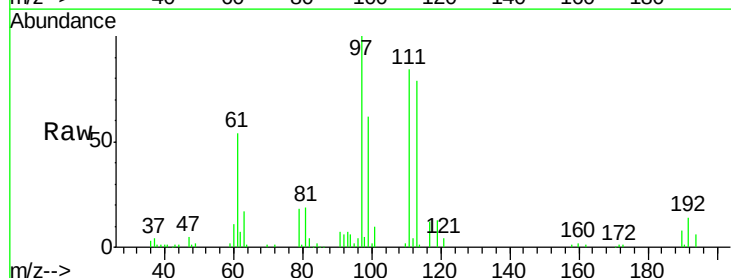
Manual Integrations
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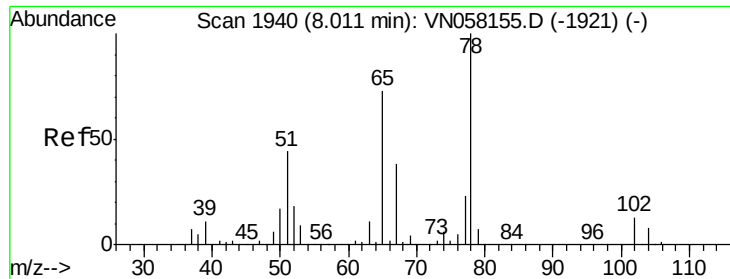
MMDadoda
9/26/2019 12:43:15 AM



#32
1,1,1-Trichloroethane
Concen: 22.212 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		130042		
99	60.9	50.9		76.3	
61	50.3	39.2		58.8	





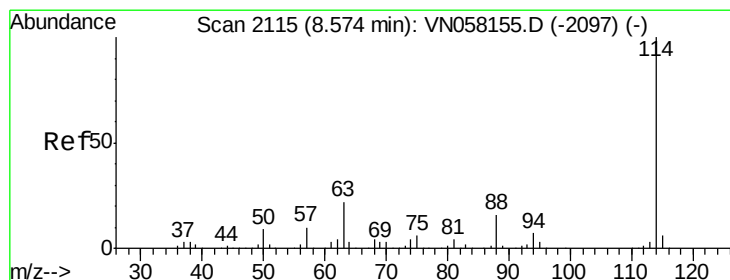
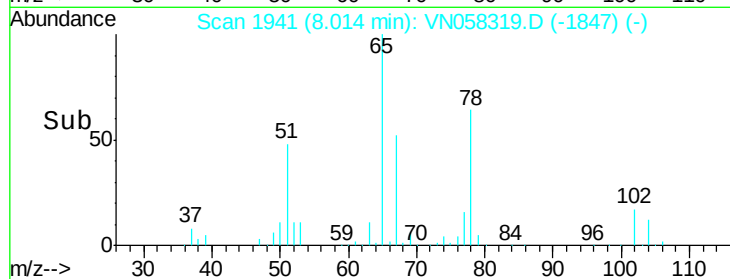
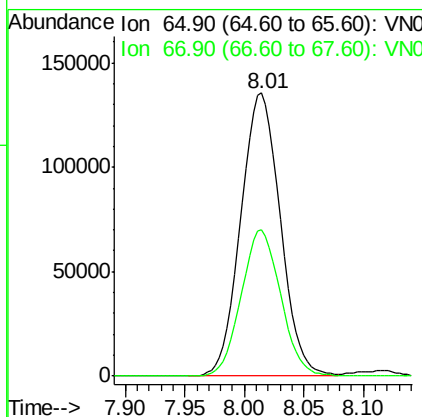
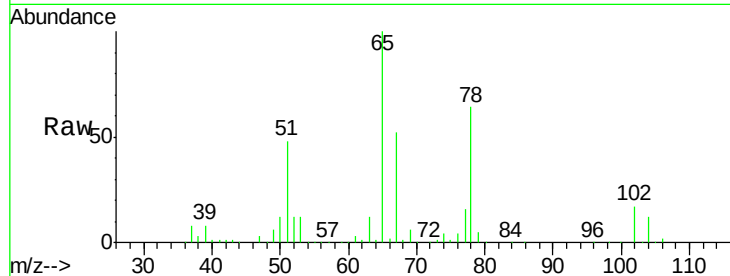
#33
 1,2-Dichloroethane-d4
 Concen: 56.351 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	312665		
67	51.6	0.0	103.4	

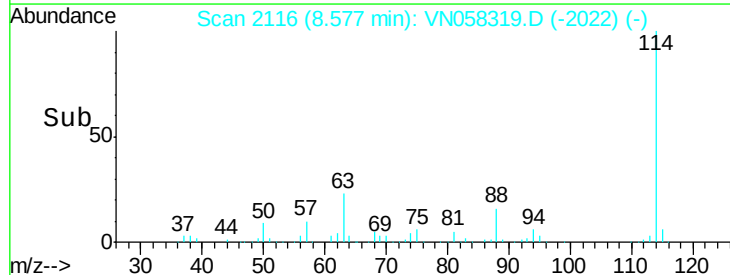
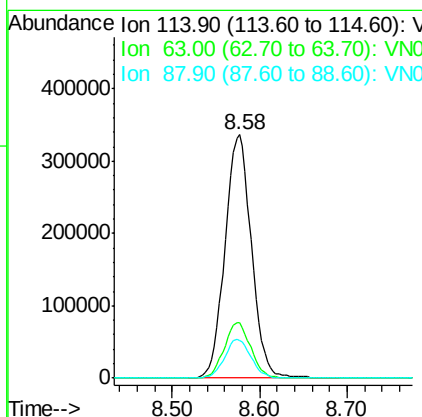
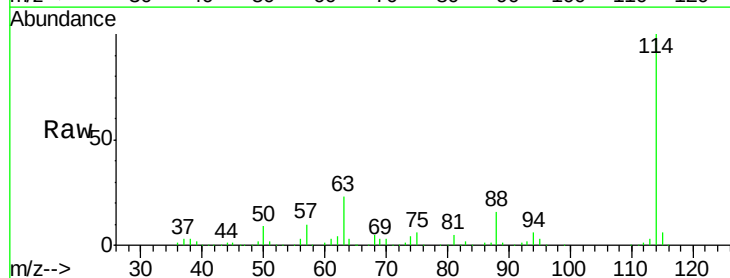
Manual Integrations
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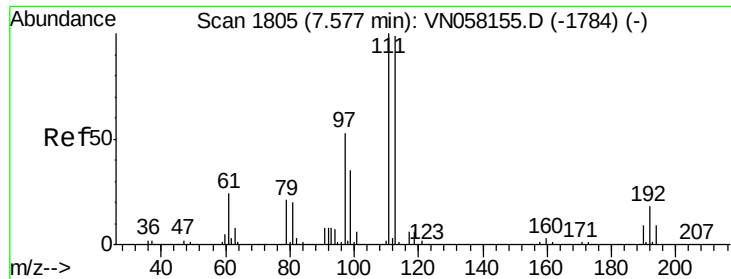
MMDadoda
 9/26/2019 12:43:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	705962		
63	22.6	0.0	44.2	
88	15.6	0.0	31.6	





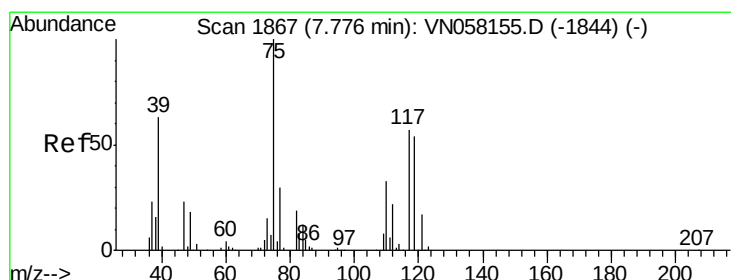
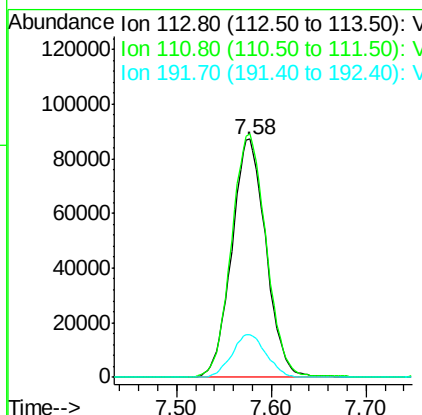
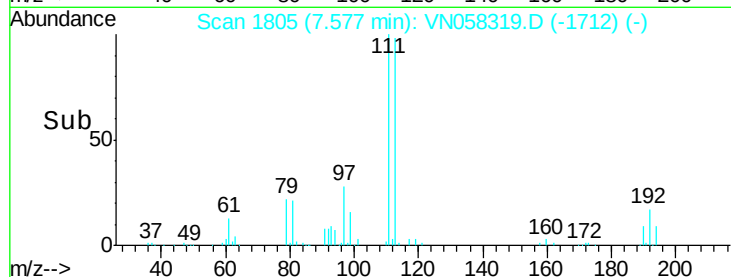
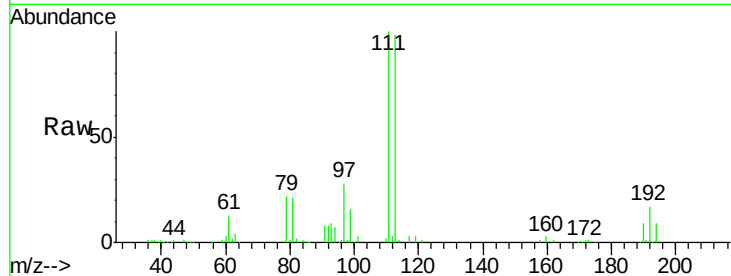
#35
 Dibromofluoromethane
 Concen: 51.133 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219444		
111	103.3	81.8	122.6	
192	18.1	14.5	21.7	

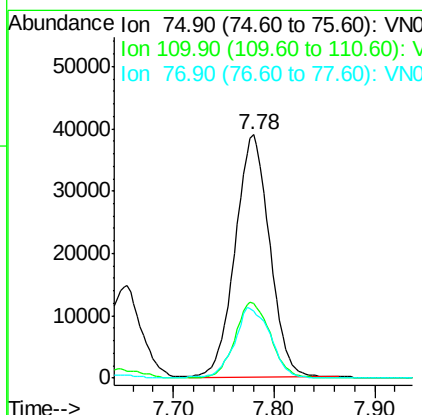
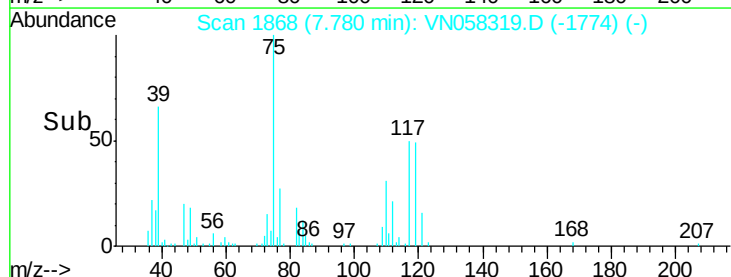
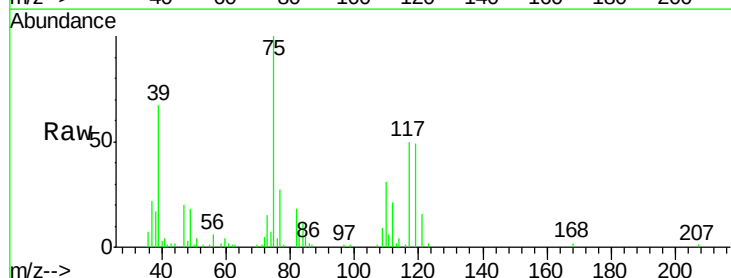
Manual Integrations
 APPROVED

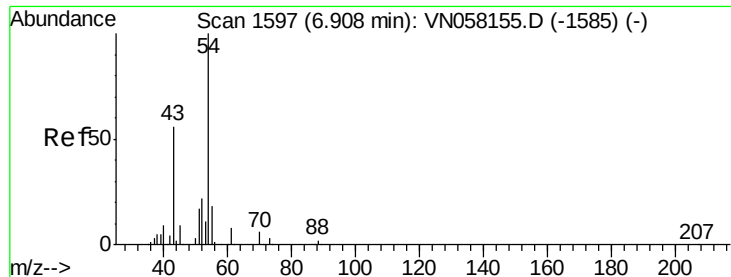
MMDadoda
 9/26/2019 12:43:15 AM



#36
 1,1-Dichloropropene
 Concen: 18.170 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92504		
110	31.8	16.6	49.7	
77	30.4	24.3	36.5	





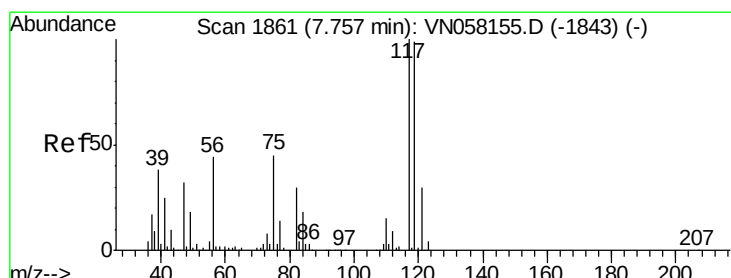
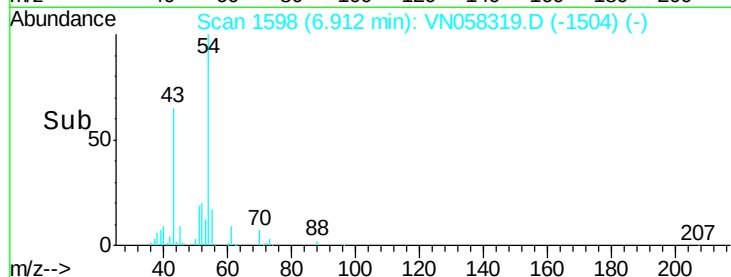
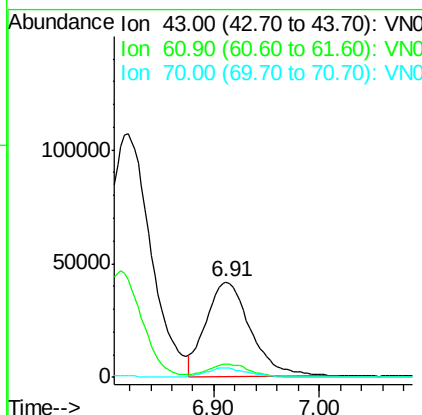
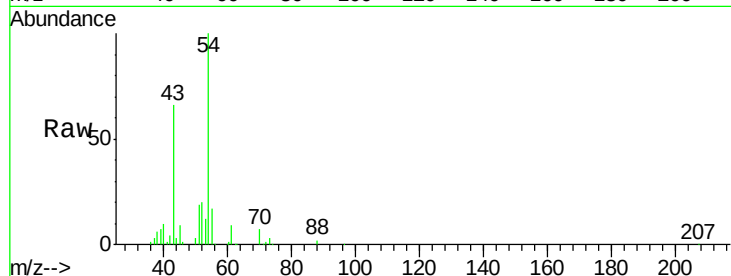
#37
Ethyl Acetate
Concen: 22.992 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	43	Resp	121473
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.7	16.1
70	9.8	7.6	11.4

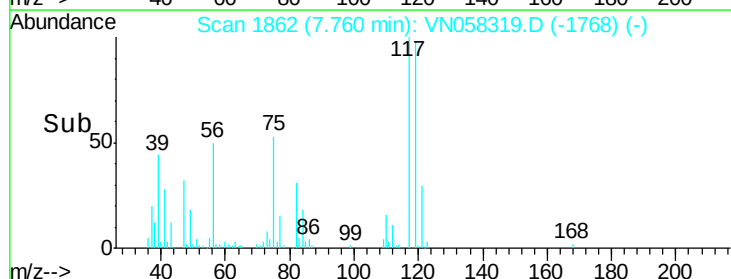
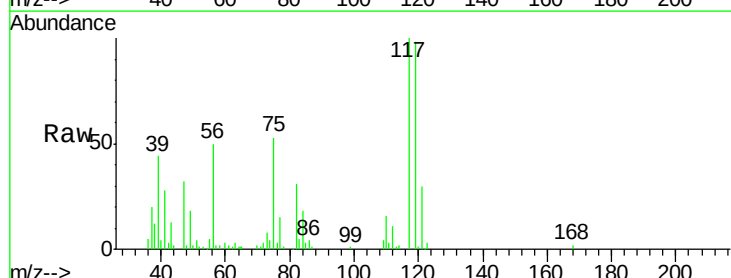
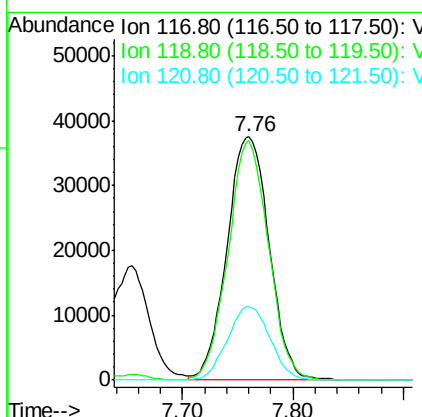
Manual Integrations
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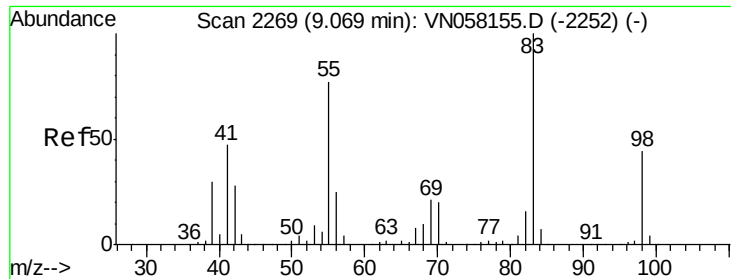
MMDadoda
9/26/2019 12:43:15 AM



#38
Carbon Tetrachloride
Concen: 19.467 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	117	Resp	99624
Ion	Ratio	Lower	Upper
117	100		
119	98.3	78.6	117.8
121	30.2	24.1	36.1





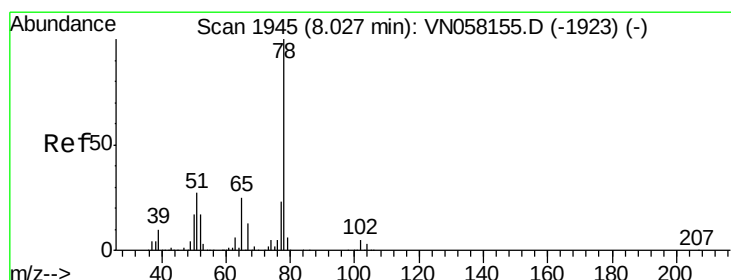
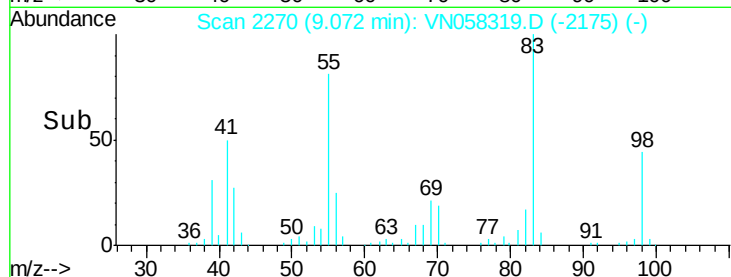
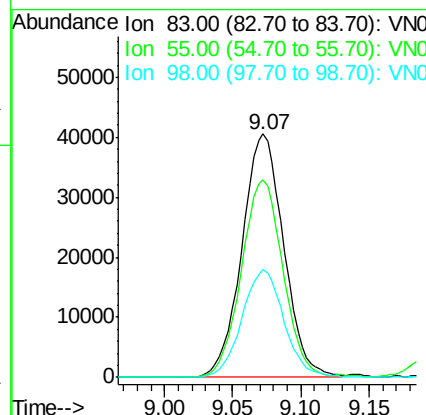
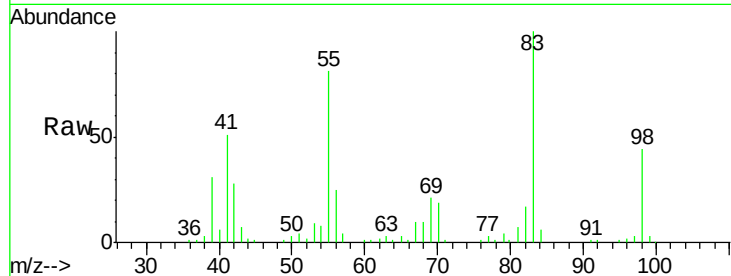
#39
Methylvlcyclohexane
Concen: 17.564 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	61.9	92.9
98	44.1	35.4	53.2

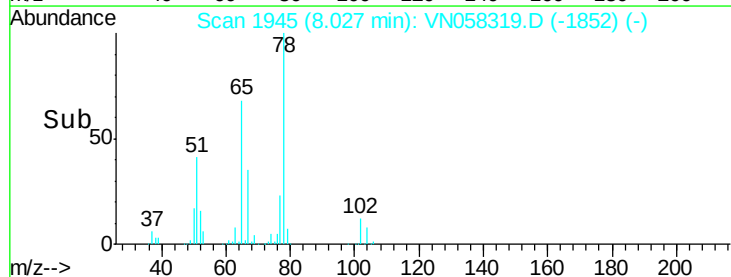
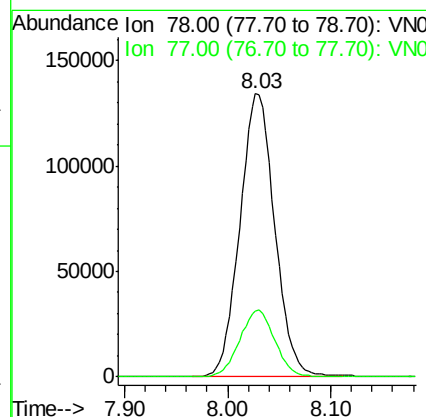
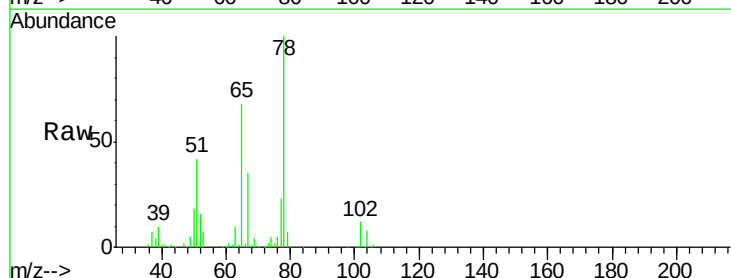
Manual Integrations
APPROVED

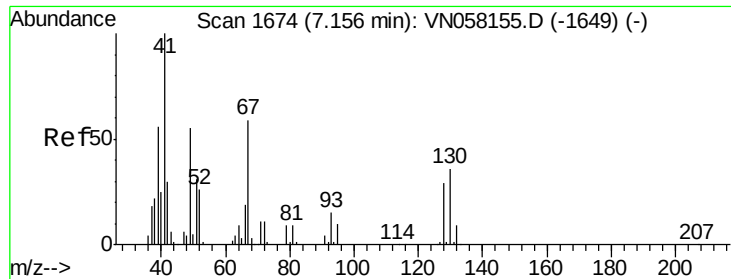
MMDadoda
9/26/2019 12:43:15 AM



#40
Benzene
Concen: 20.297 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





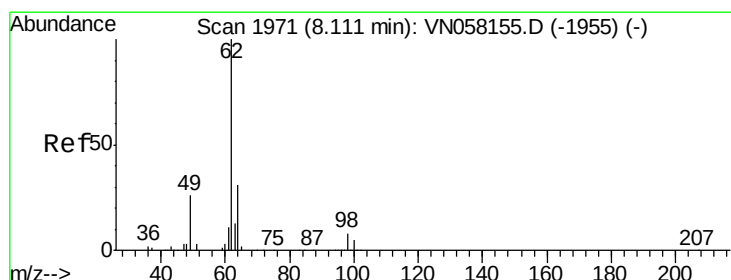
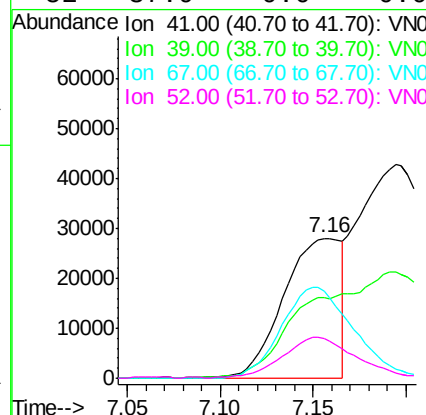
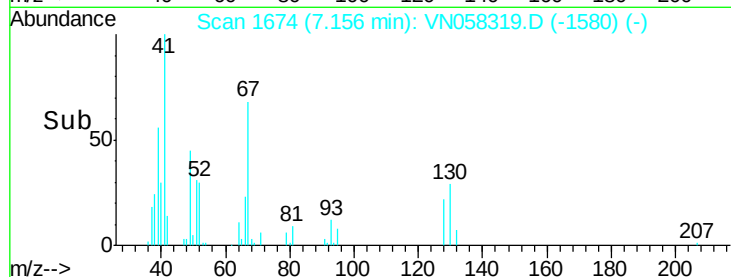
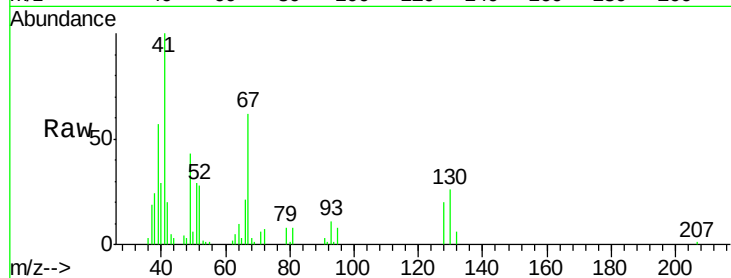
#41
Methacrylonitrile
Concen: 23.342 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		60810		
39	0.0	0.0	0.0		
67	82.1	0.0	0.0#		
52	37.9	0.0	0.0#		

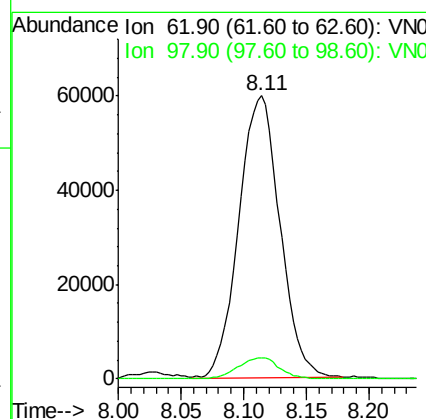
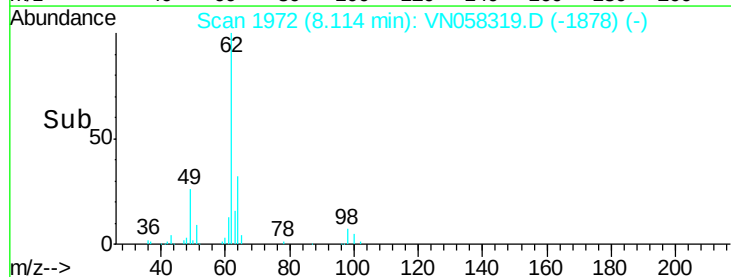
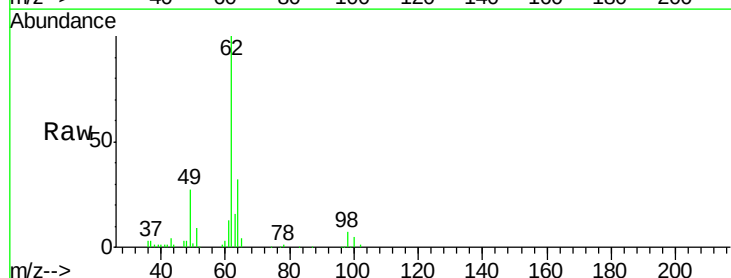
Manual Integrations
APPROVED

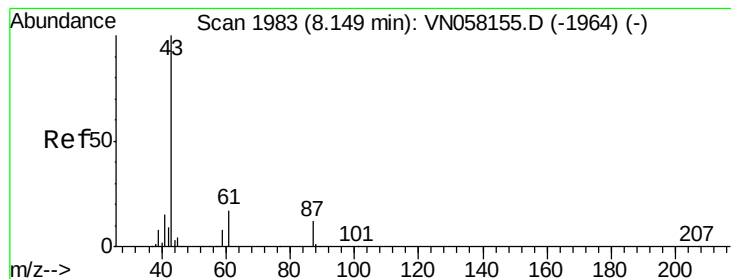
MMDadoda
9/26/2019 12:43:15 AM



#42
1,2-Dichloroethane
Concen: 20.958 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		136749		
98	7.4	0.0	15.6		





#43

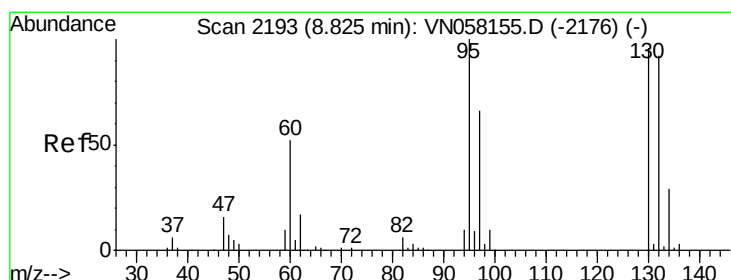
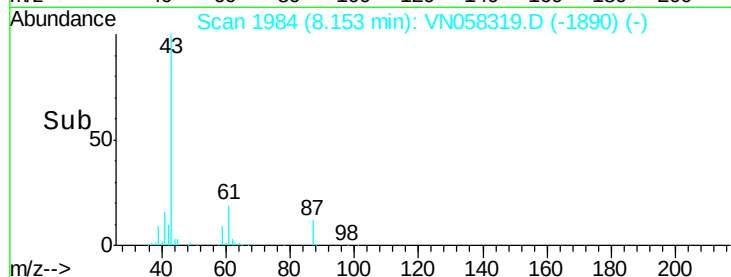
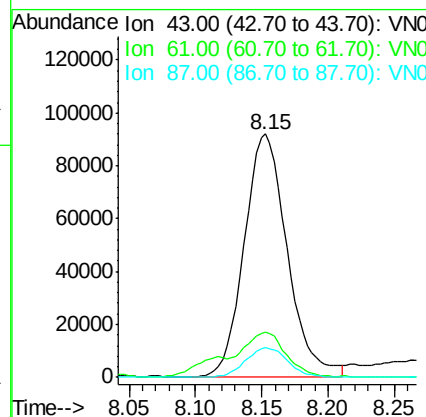
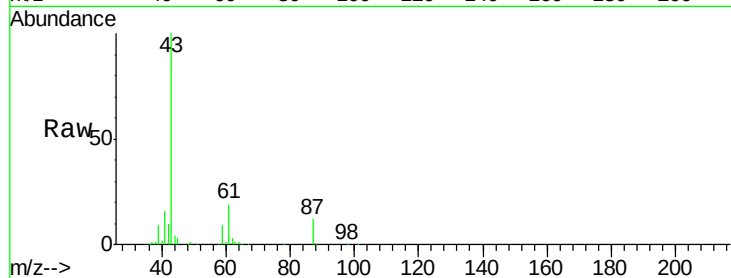
Isopropyl Acetate
 Concen: 20.917 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	19.7	29.5#
87	11.9	9.4	14.2

Manual Integrations
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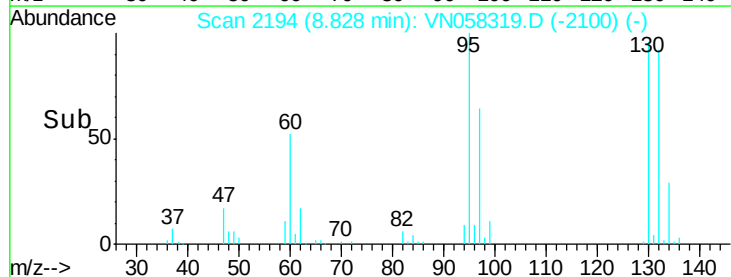
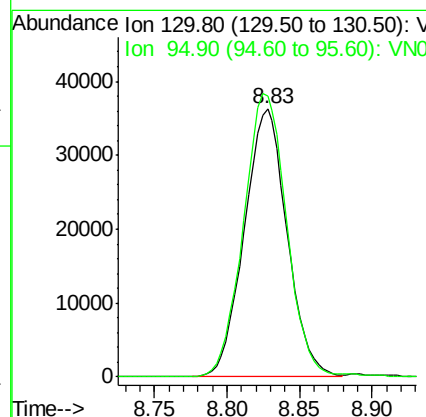
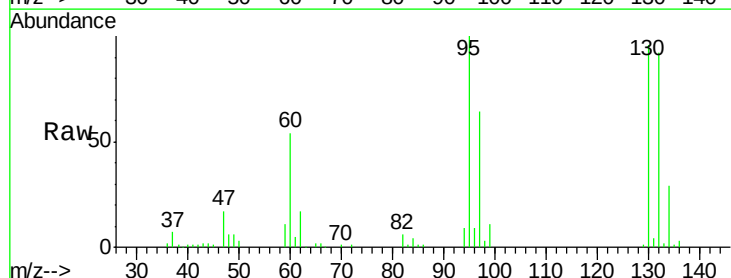
MMDadoda
 9/26/2019 12:43:15 AM

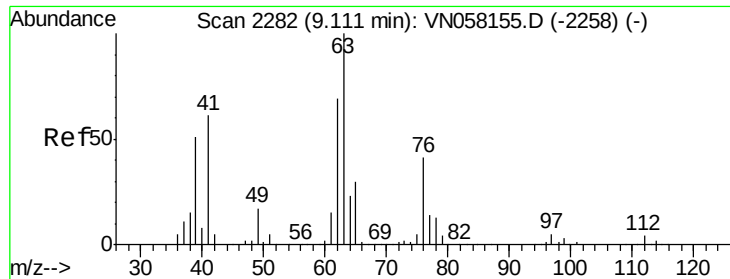


#44

Trichloroethene
 Concen: 19.598 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	207.8





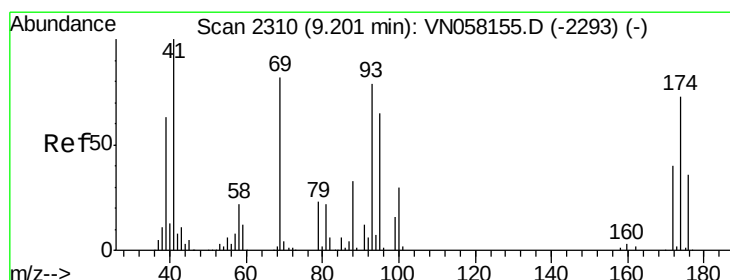
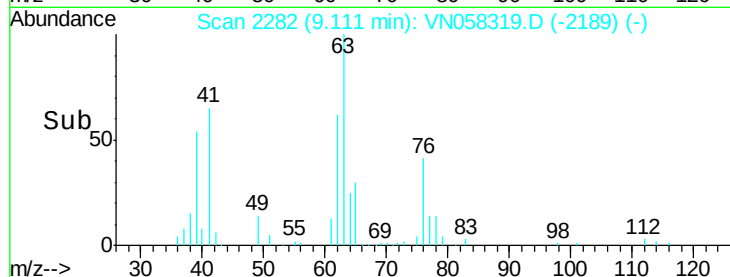
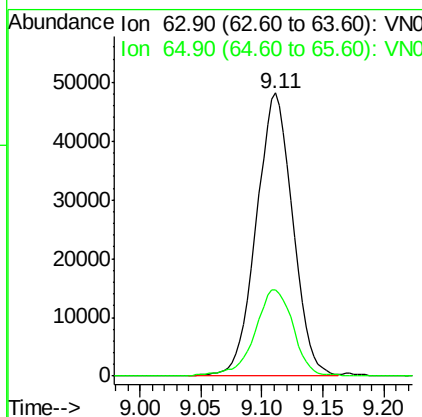
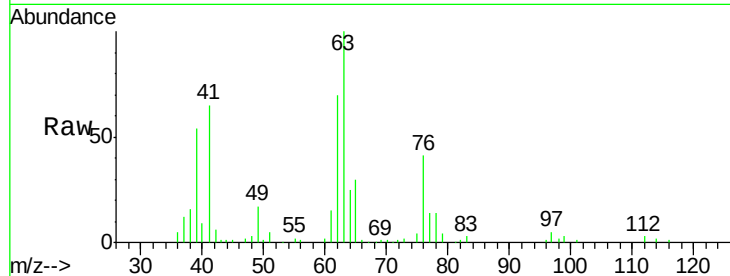
#45
 1,2-Dichloropropane
 Concen: 21.523 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	63	Resp	99948
Ion Ratio	Lower	Upper	
63	100		
65	30.4	23.8	35.6

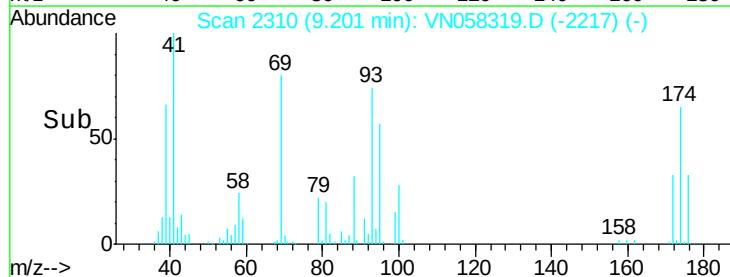
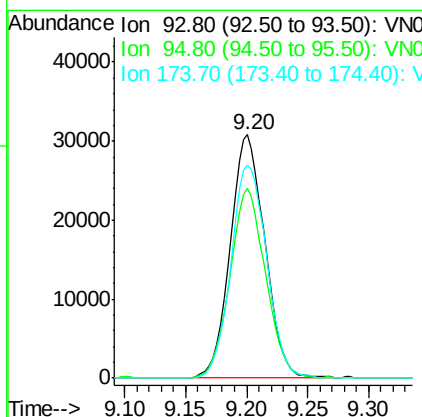
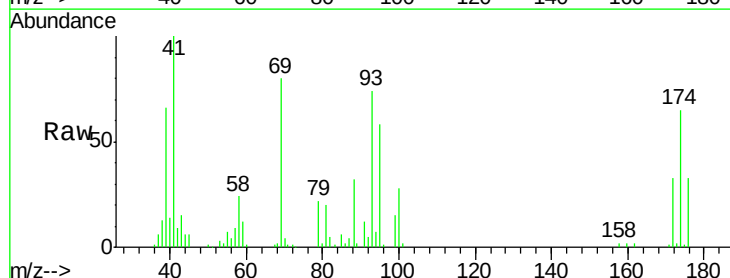
Manual Integrations
 APPROVED

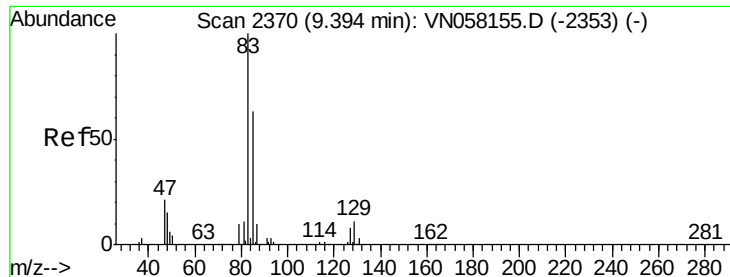
MMDadoda
 9/26/2019 12:43:15 AM



#46
 Dibromomethane
 Concen: 21.488 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	93	Resp	60668
Ion Ratio	Lower	Upper	
93	100		
95	80.0	66.8	100.2
174	90.1	73.8	110.8





#47

Bromodichloromethane

Concen: 21.715 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

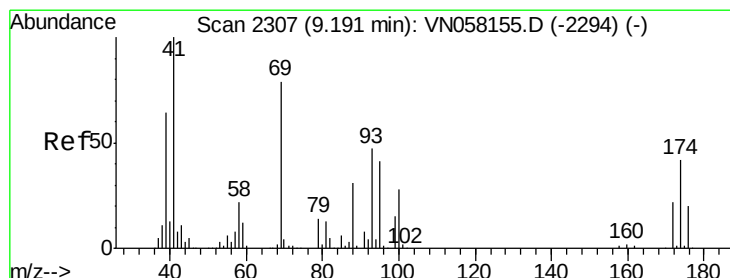
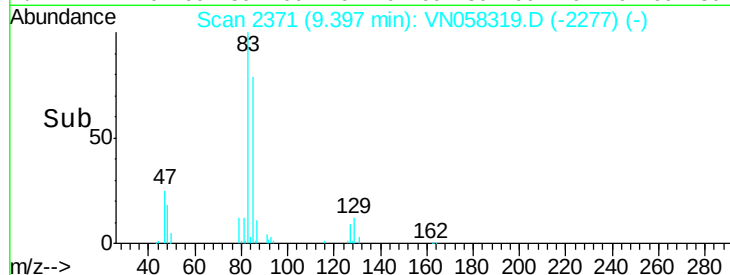
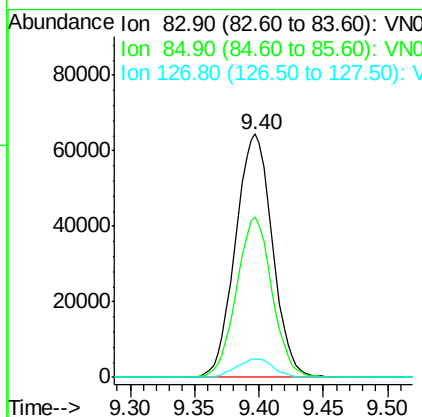
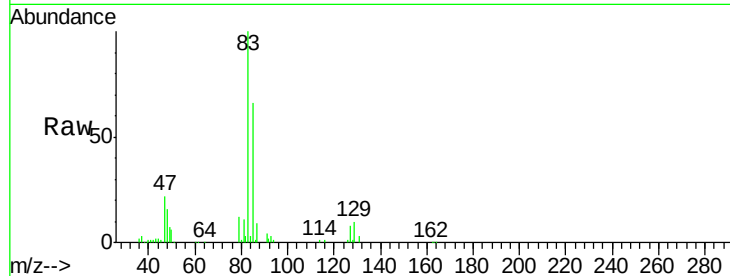
ClientSampleId :

VN0923WBSD02

Tot Ion:	83	Resp:	128442
Ion Ratio	Lower	Upper	
83	100		
85	65.8	50.1	75.1
127	7.8	6.4	9.6

Manual Integrations
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MMDadoda
9/26/2019 12:43:15 AM



#48

Methyl methacrylate

Concen: 22.117 ug/l

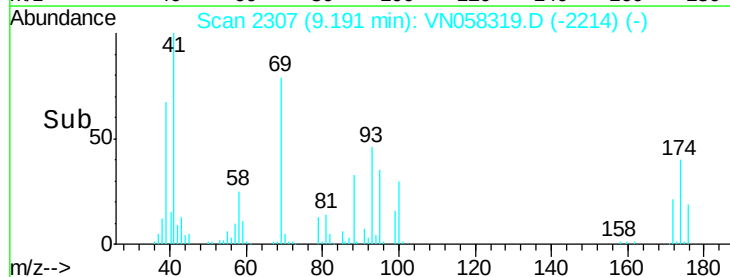
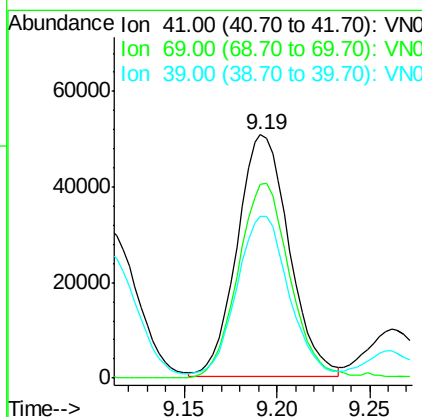
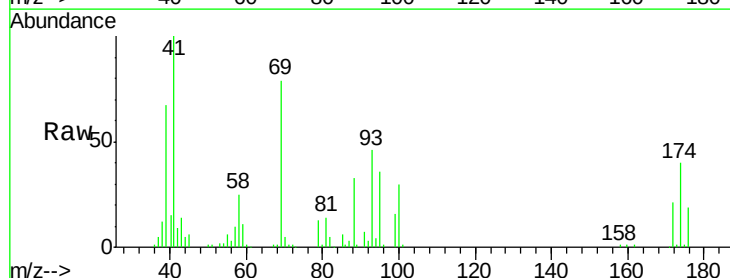
RT: 9.19 min Scan# 2307

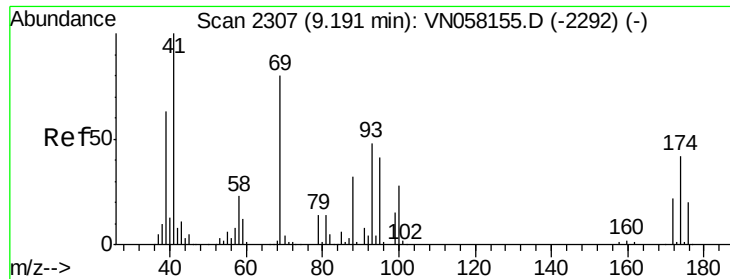
Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion:	41	Resp:	99086
Ion Ratio	Lower	Upper	
41	100		
69	79.9	62.5	93.7
39	66.4	52.3	78.5





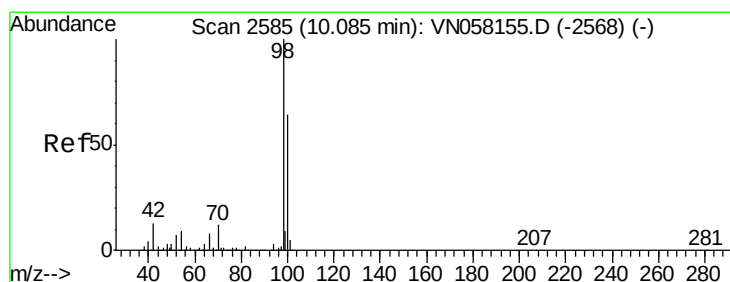
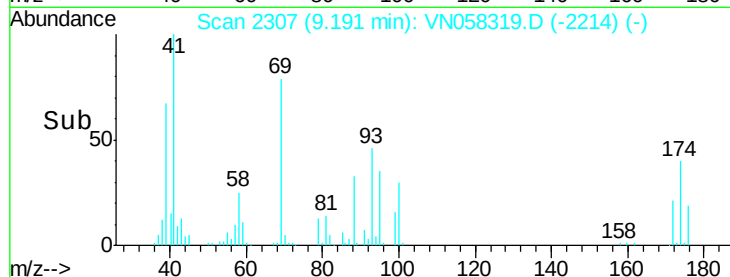
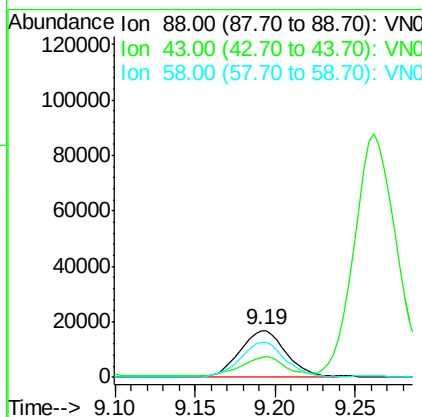
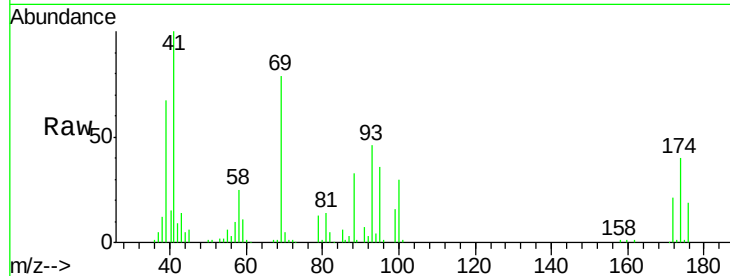
#49
1,4-Dioxane
Concen: 455.342 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.5	27.8	41.8	
58	74.3	55.0	82.4	

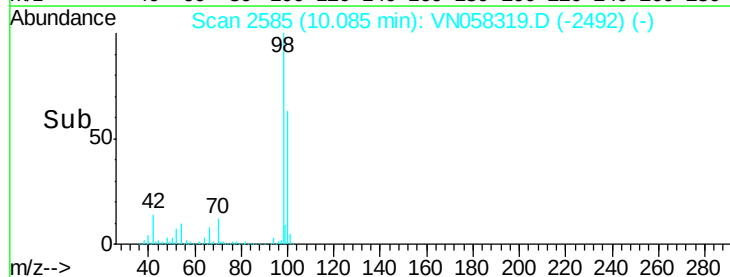
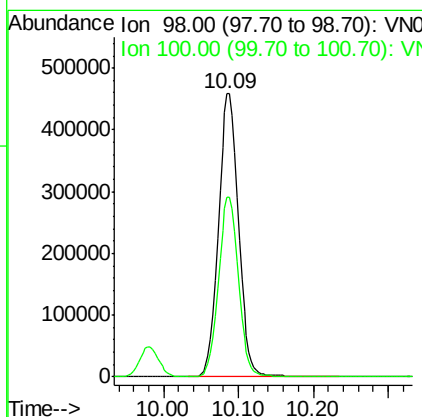
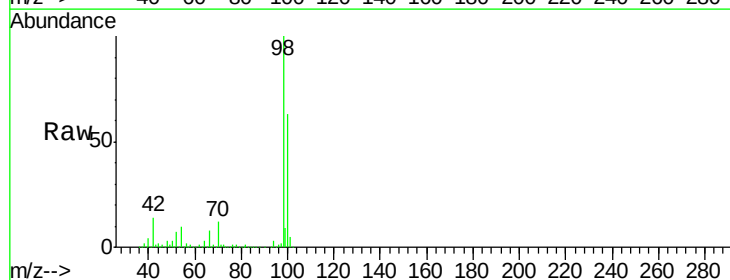
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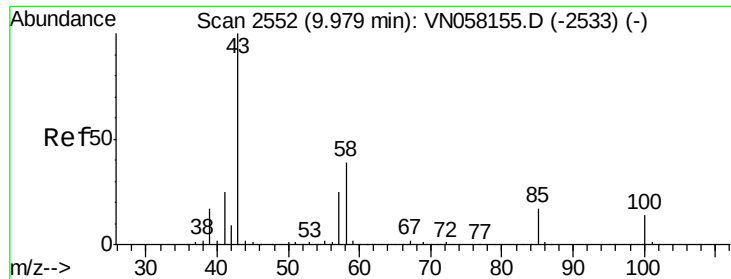
MMDadoda
9/26/2019 12:43:15 AM



#50
Toluene-d8
Concen: 50.791 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	62.7	51.1	76.7	





#51

4-Methyl-2-Pentanone

Concen: 128.880 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 43 Resp: 675466

Ion Ratio Lower Upper

43 100

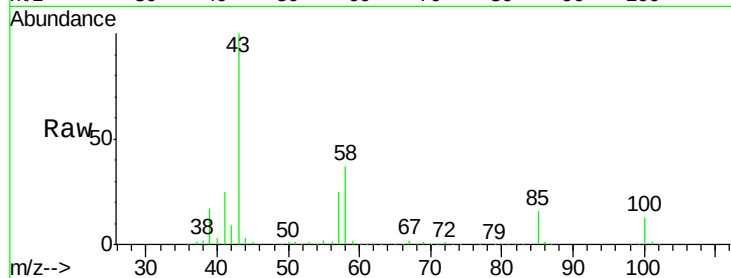
58 36.9 30.2 45.4

Manual Integrations

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9/26/2019 12:43:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

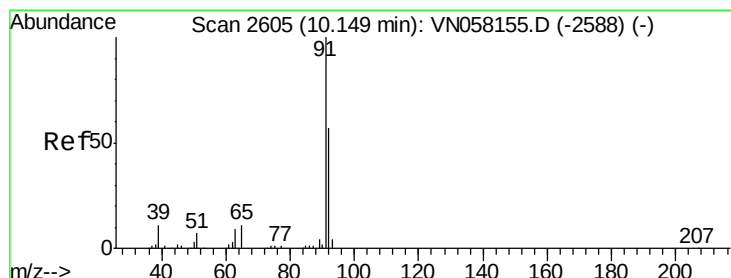
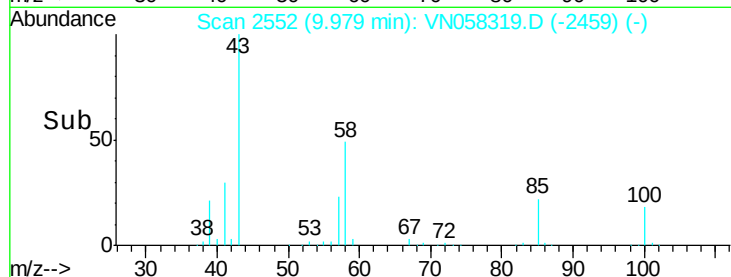
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.108 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058319.D

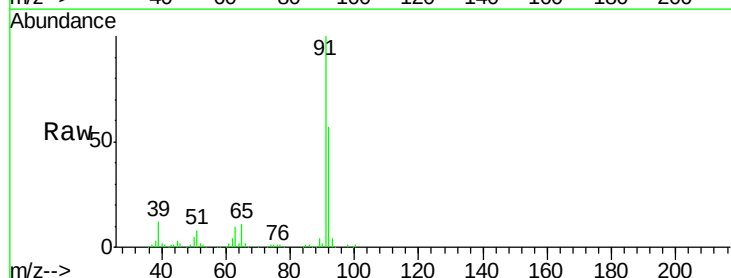
Acq: 24 Sep 2019 1:53

Tgt Ion: 92 Resp: 195954

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

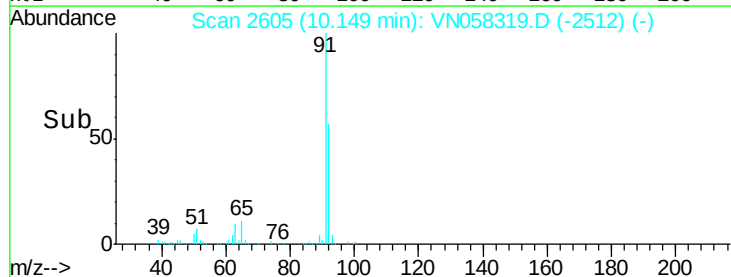
150000

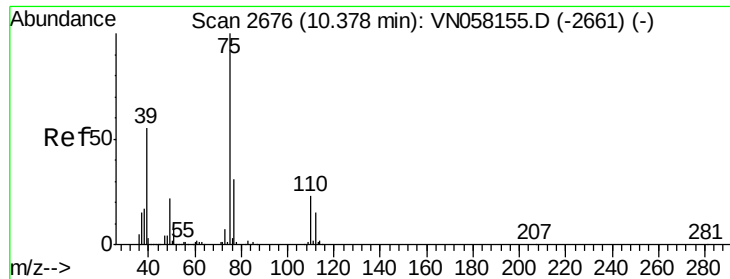
100000

50000

0

Time-->





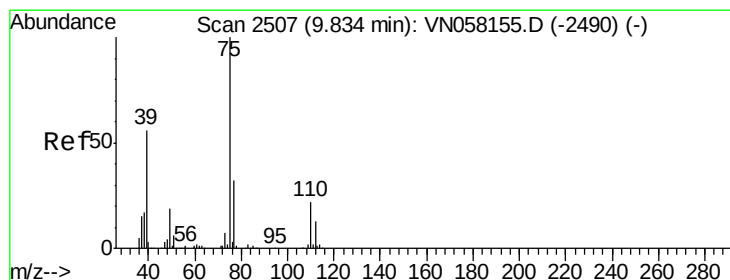
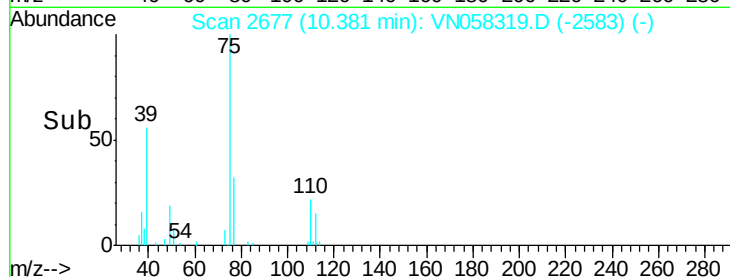
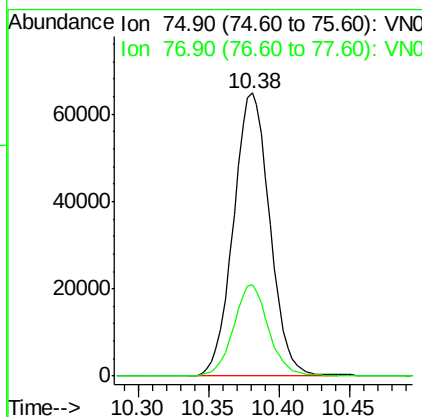
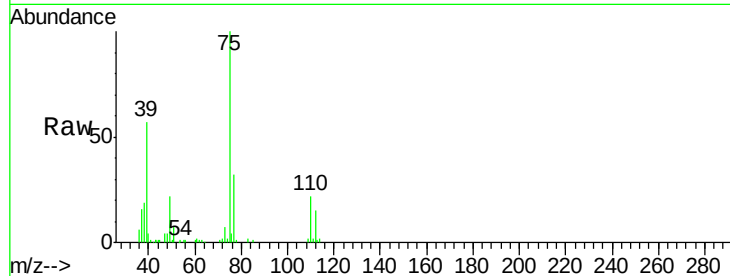
#53
t-1,3-Dichloropropene
Concen: 19.309 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.9	37.3

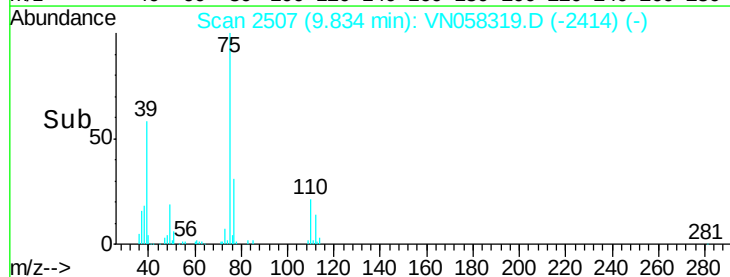
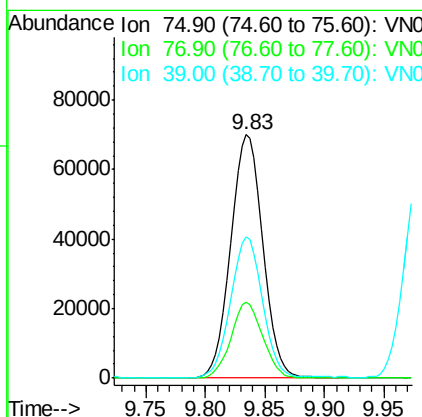
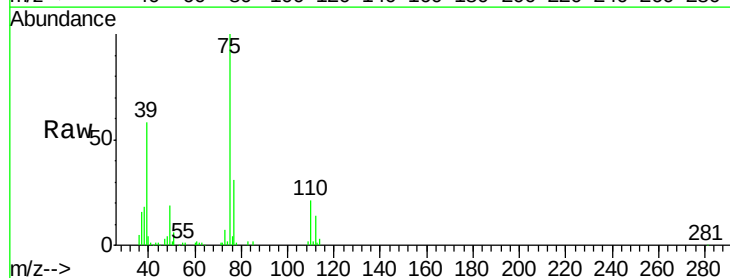
Manual Integrations
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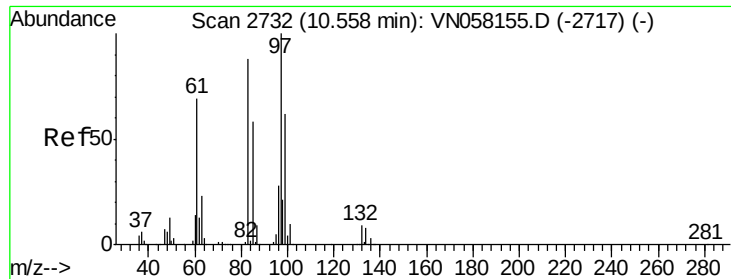
MMDadoda
9/26/2019 12:43:15 AM



#54
cis-1,3-Dichloropropene
Concen: 19.635 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	58.0	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 22.302 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

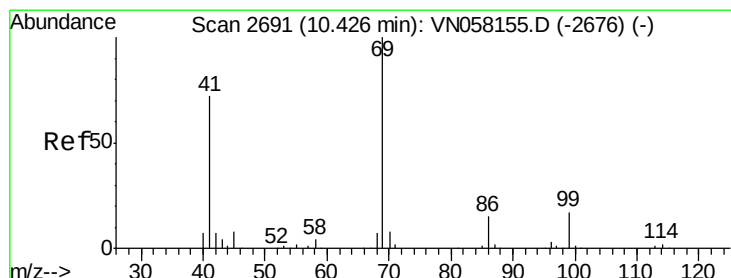
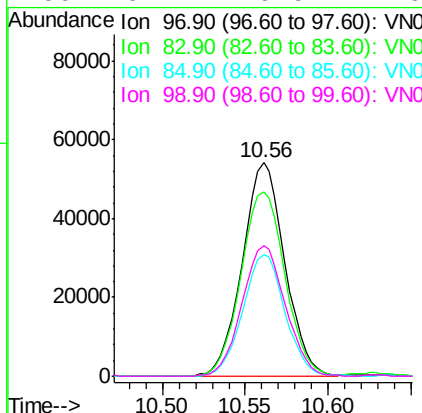
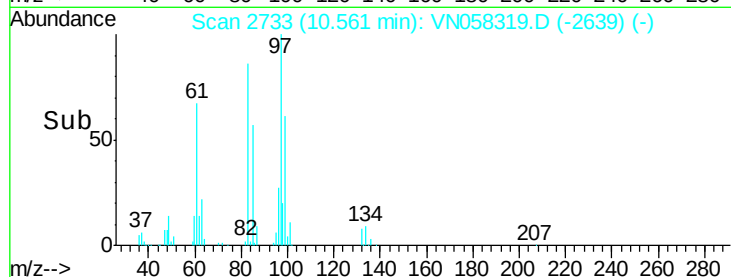
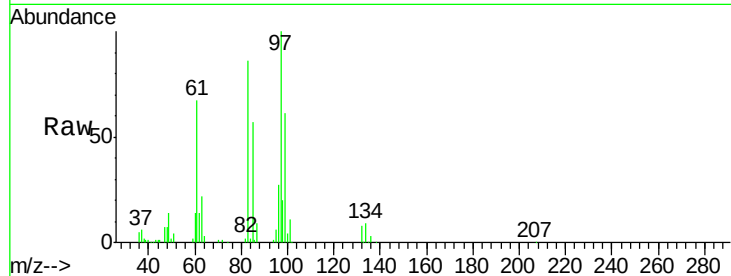
ClientSampleId :

VN0923WBSD02

Tot Ion:	97	Resp:	96449
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.4	105.6
85	57.1	46.8	70.2
99	61.2	49.9	74.9

Manual Integrations
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9/26/2019 12:43:15 AM



#56

Ethyl methacrylate

Concen: 21.776 ug/l

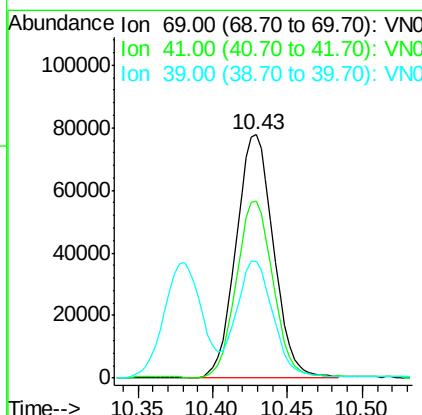
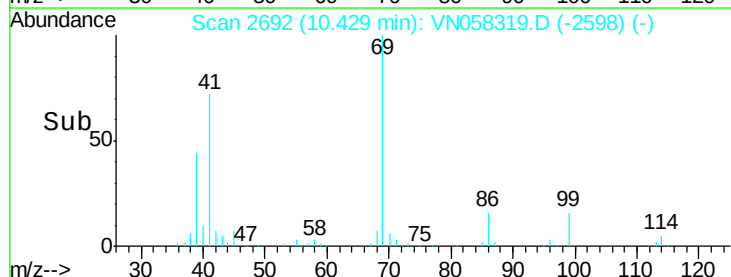
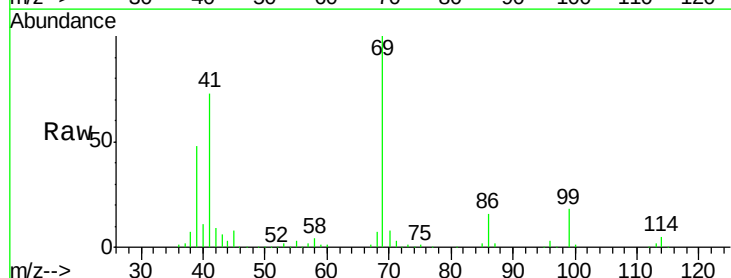
RT: 10.43 min Scan# 2692

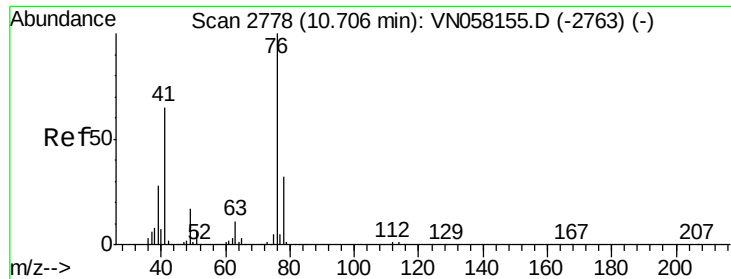
Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion:	69	Resp:	135878
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.5	86.3
39	47.2	36.1	54.1





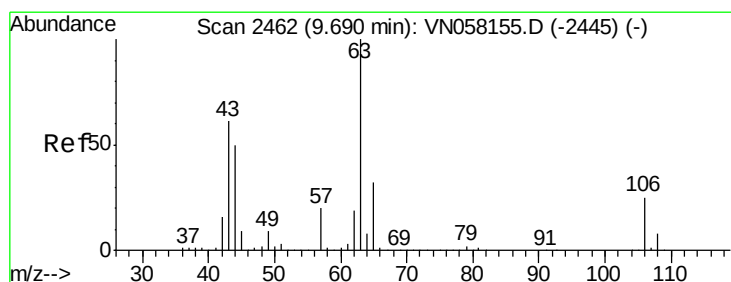
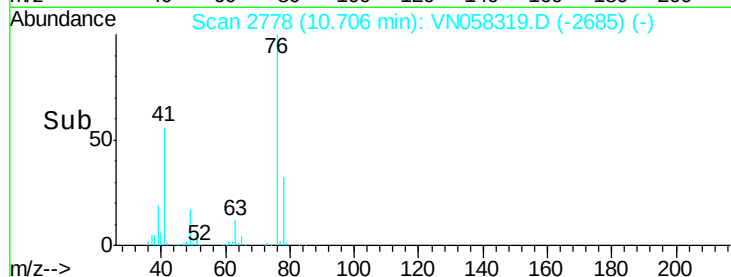
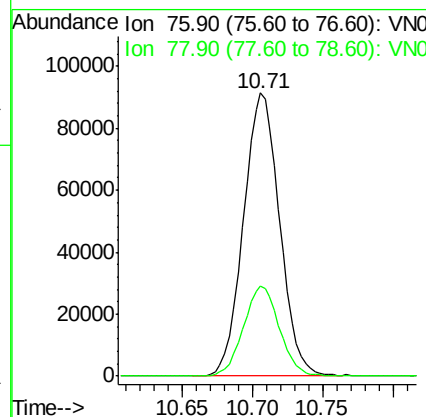
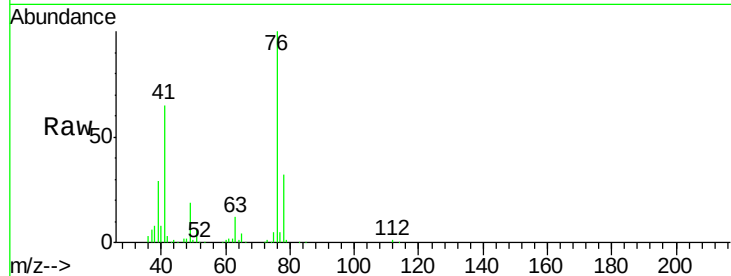
#57
 1,3-Dichloropropane
 Concen: 22.047 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.4	38.0

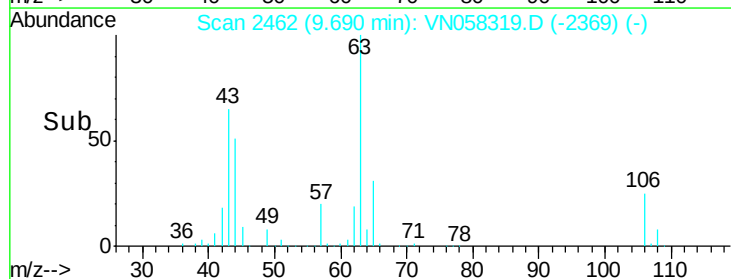
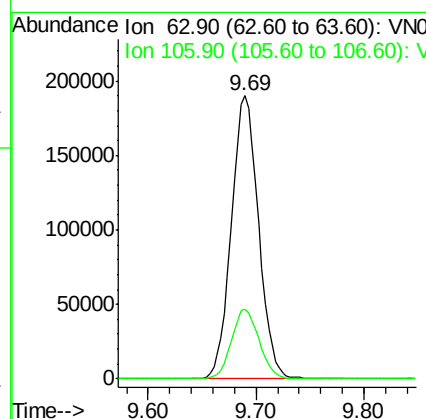
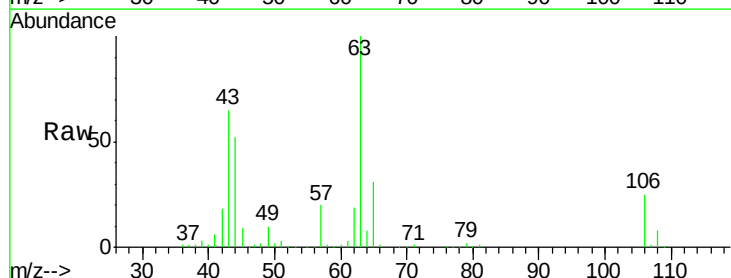
Manual Integrations
 APPROVED

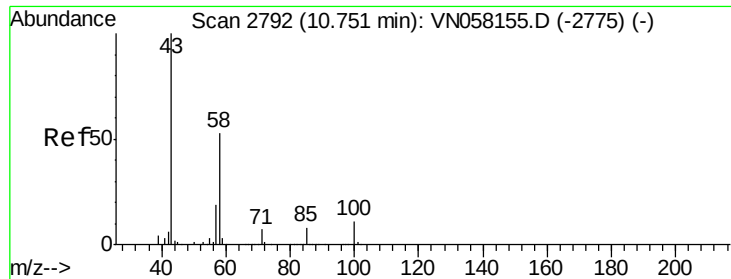
MMDadoda
 9/26/2019 12:43:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.710 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.9	29.9





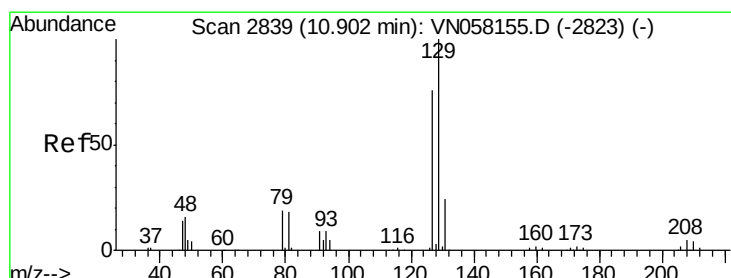
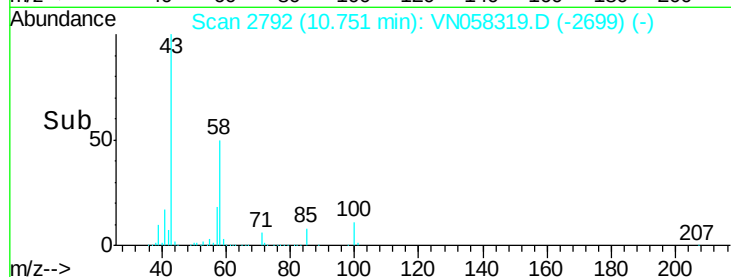
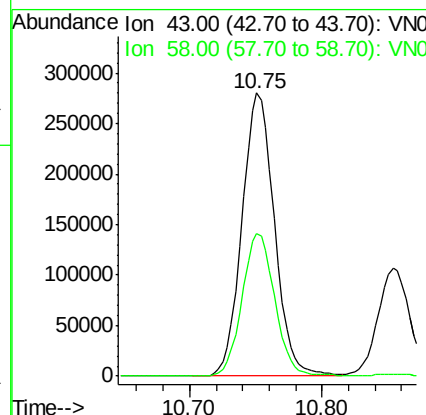
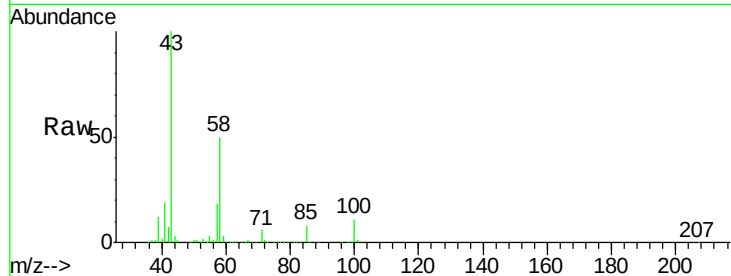
#59
2-Hexanone
Concen: 121.844 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion: 43 Resp: 474274
Ion Ratio Lower Upper
43 100
58 51.0 26.0 78.0

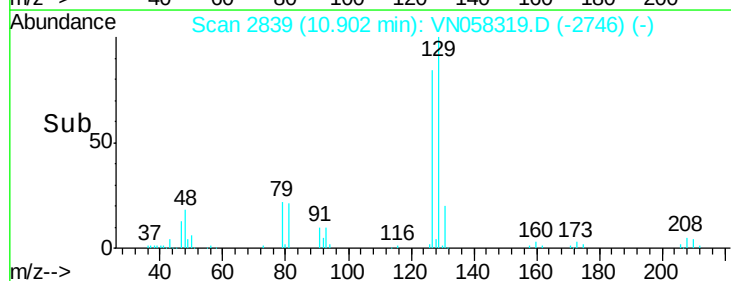
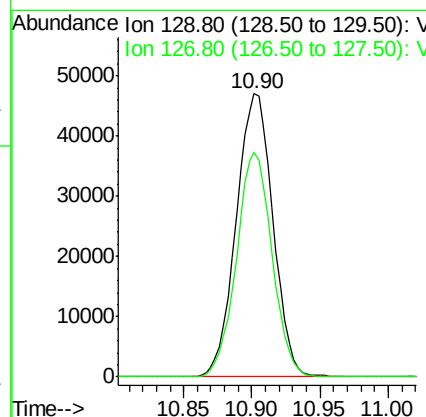
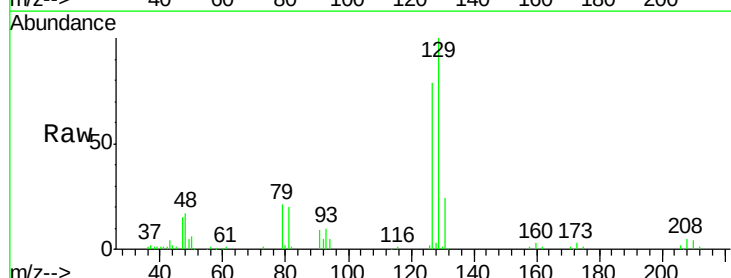
Manual Integrations
APPROVED

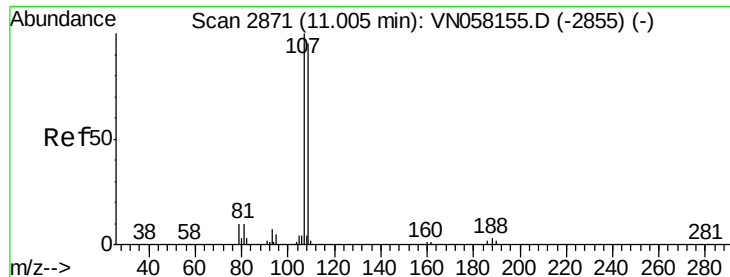
MMDadoda
9/26/2019 12:43:15 AM



#60
Dibromochloromethane
Concen: 21.085 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 129 Resp: 87724
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





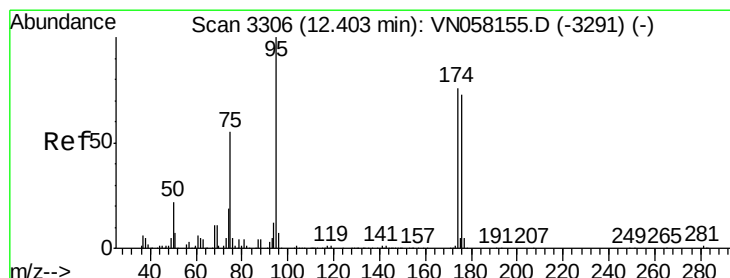
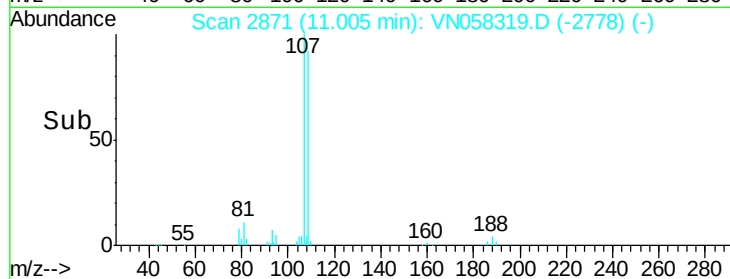
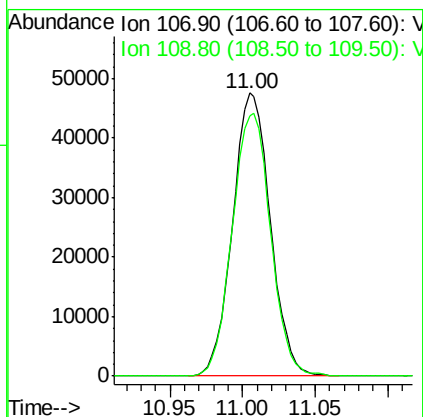
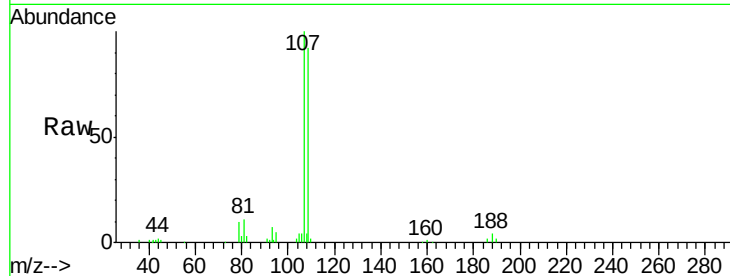
#61
 1,2-Dibromoethane
 Concen: 21.391 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.2

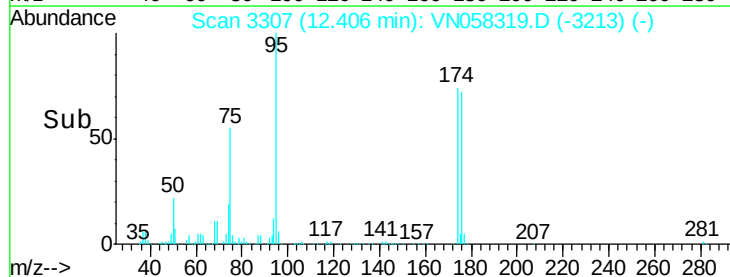
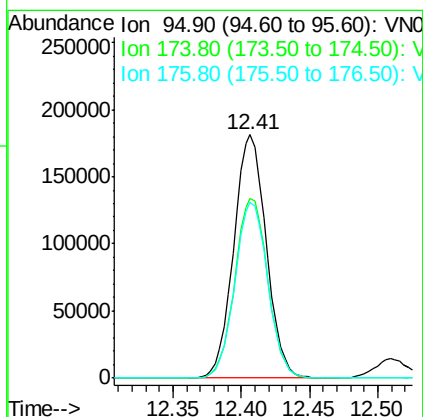
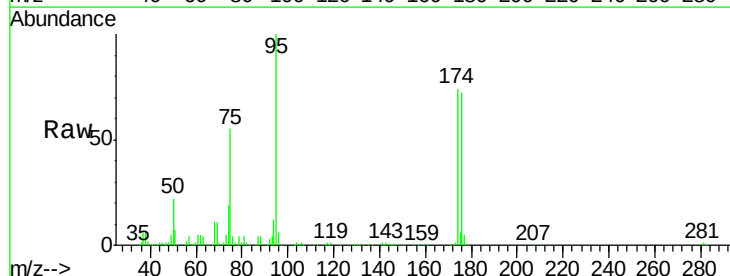
Manual Integrations
 APPROVED

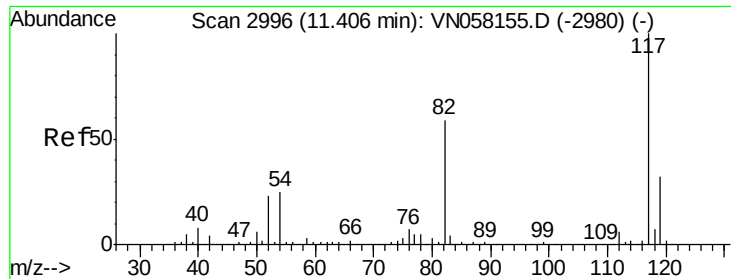
MMDadoda
 9/26/2019 12:43:15 AM



#62
 4-Bromofluorobenzene
 Concen: 48.268 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	152.2
176	73.3	0.0	148.0





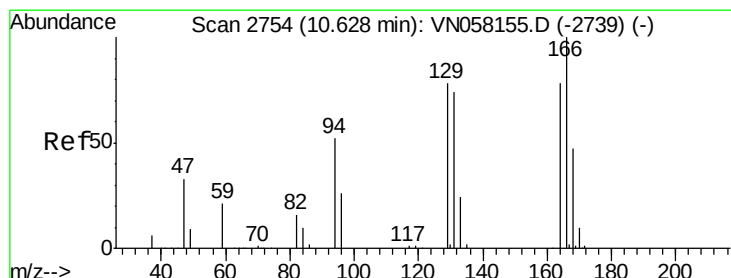
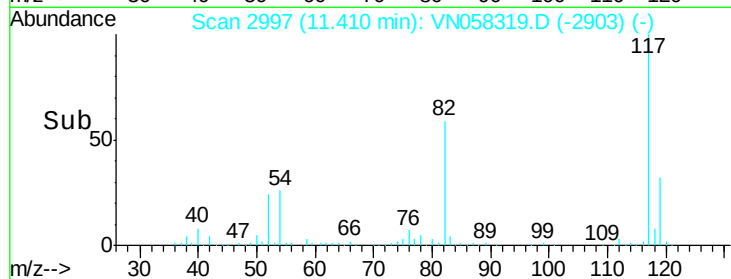
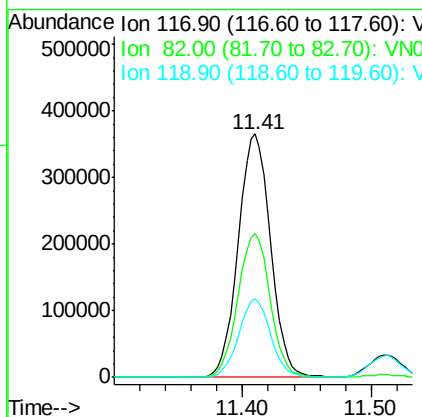
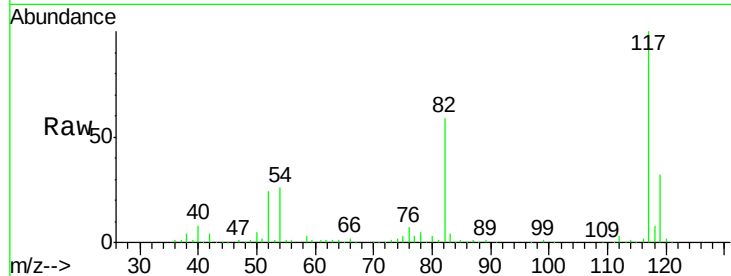
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	638926		
82	58.8	46.9	70.3	
119	32.2	25.3	37.9	

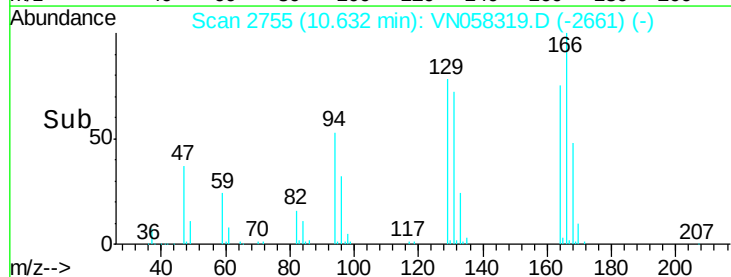
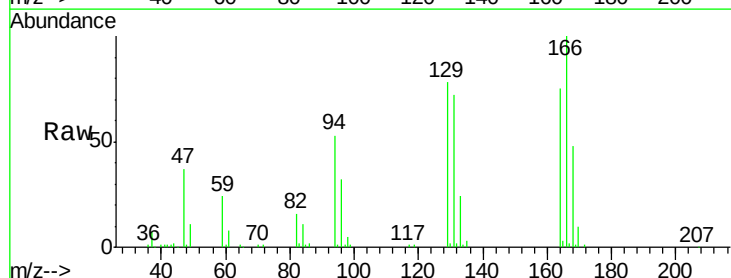
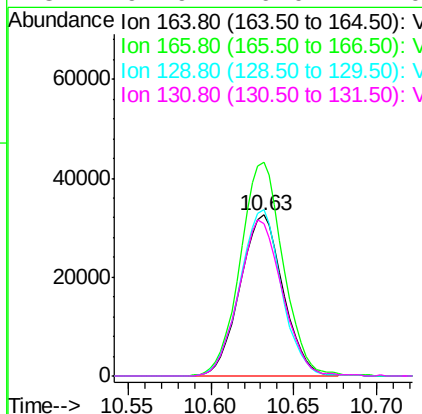
Manual Integrations
APPROVED

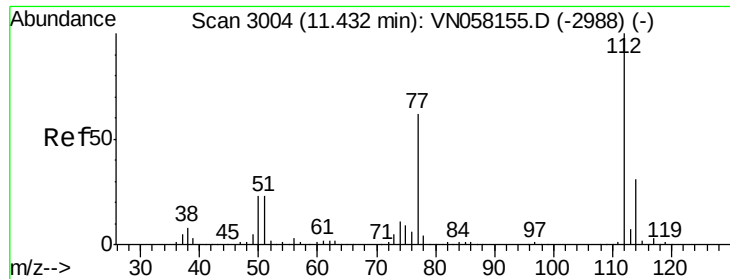
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#64
Tetrachloroethene
Concen: 18.874 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58784		
166	132.7	102.2	153.4	
129	103.2	79.6	119.4	
131	94.9	76.0	114.0	





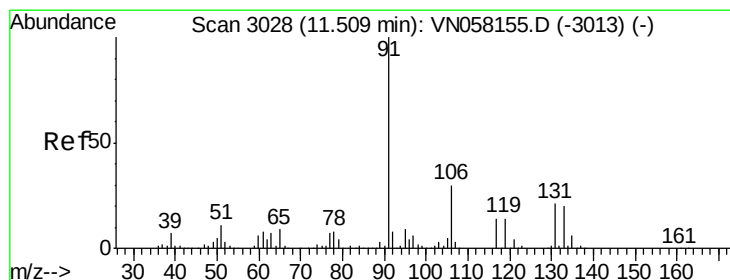
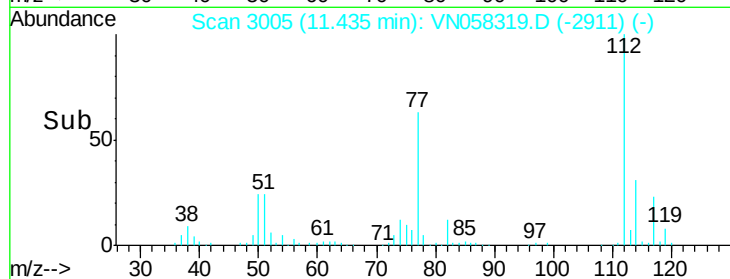
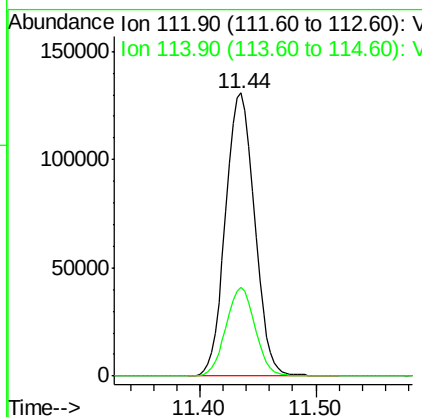
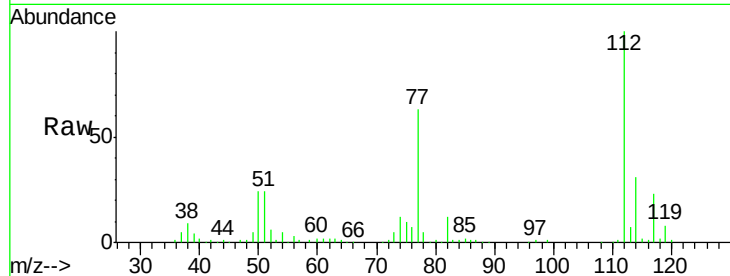
#65
Chlorobenzene
Concen: 20.227 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion:112 Resp: 227320
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7

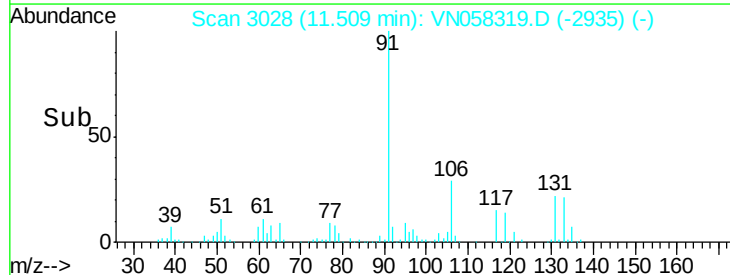
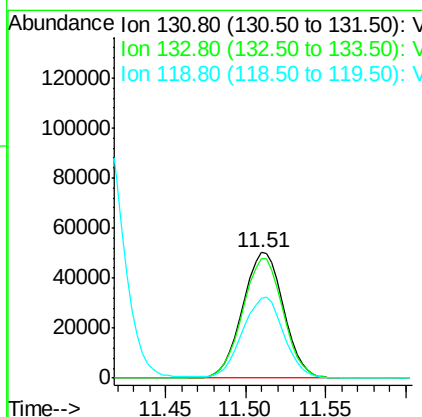
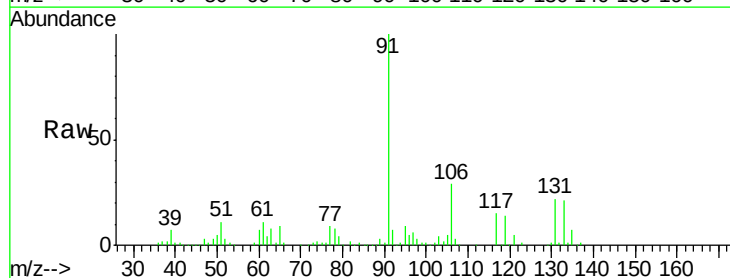
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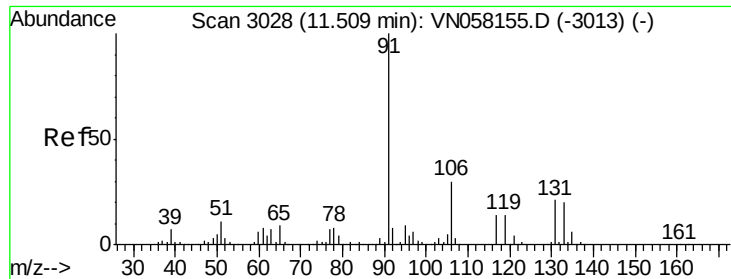
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.615 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion:131 Resp: 88082
Ion Ratio Lower Upper
131 100
133 94.0 47.8 143.3
119 65.1 33.1 99.3





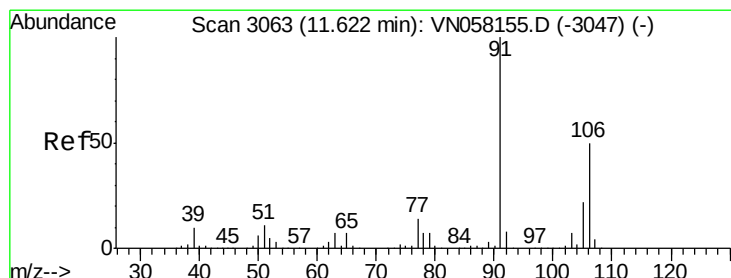
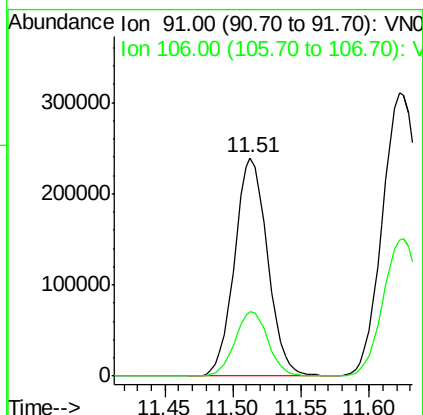
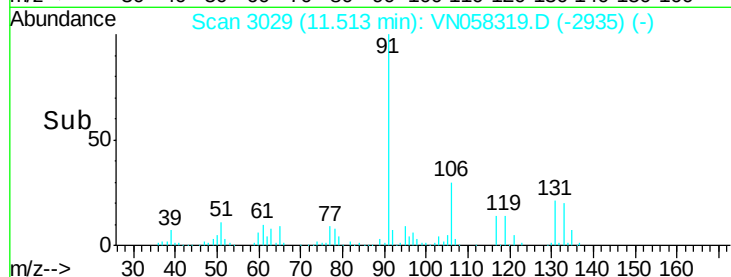
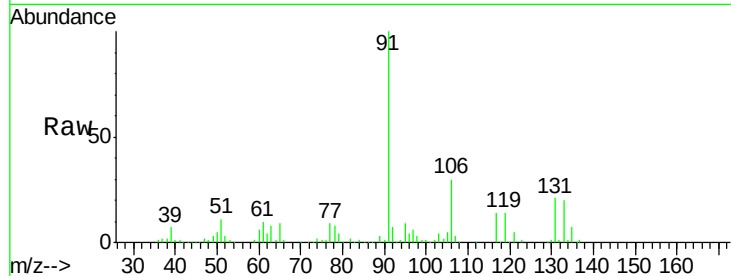
#67
Ethyl Benzene
Concen: 20.844 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

Tot Ion: 91 Resp: 401385
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

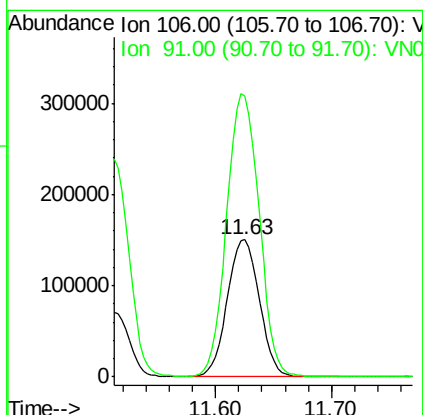
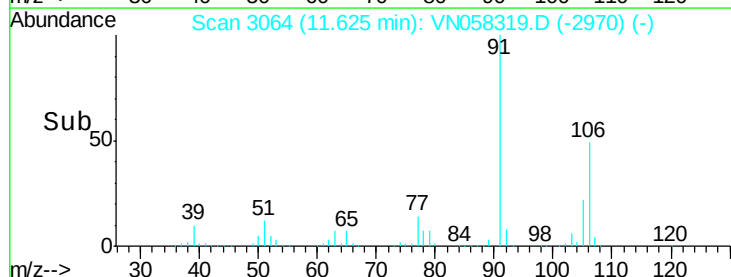
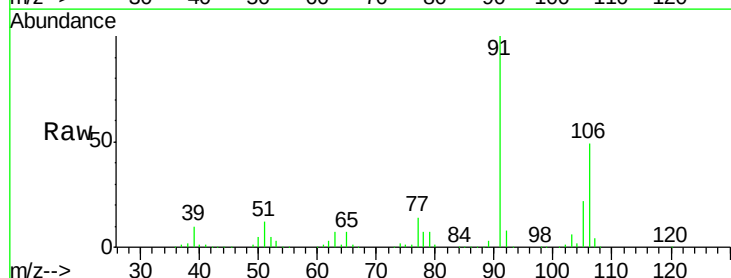
Manual Integrations
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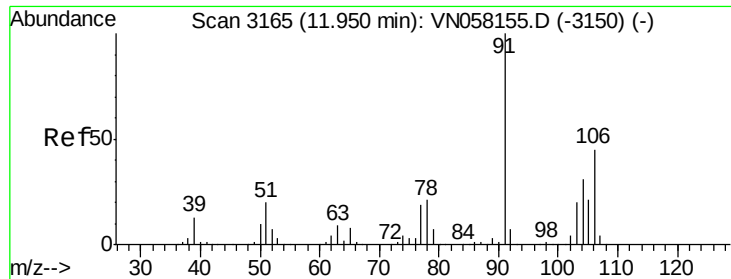
MMDadoda
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#68
m/p-Xylenes
Concen: 39.968 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion: 106 Resp: 289872
Ion Ratio Lower Upper
106 100
91 208.5 163.6 245.4





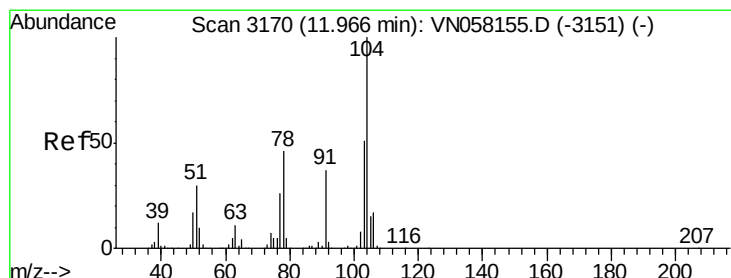
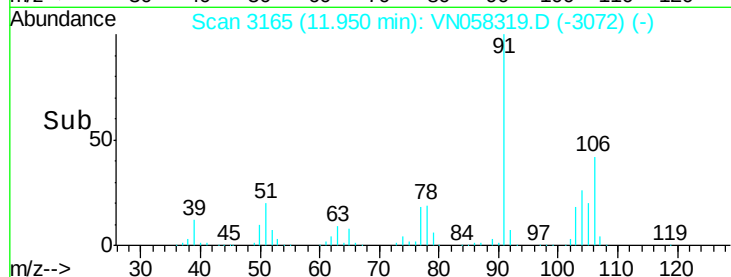
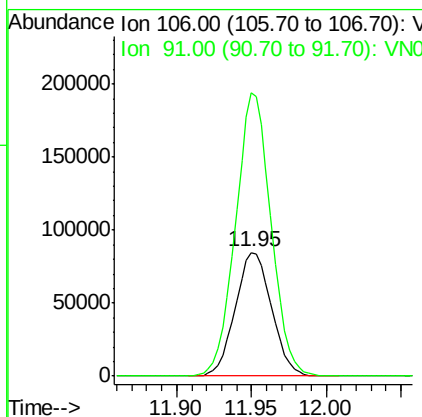
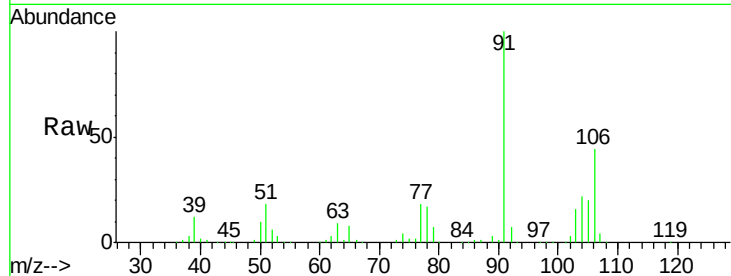
#69
o-Xylene
Concen: 20.117 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.6	111.8	335.3

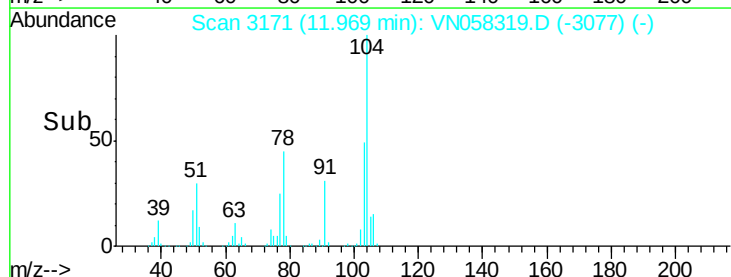
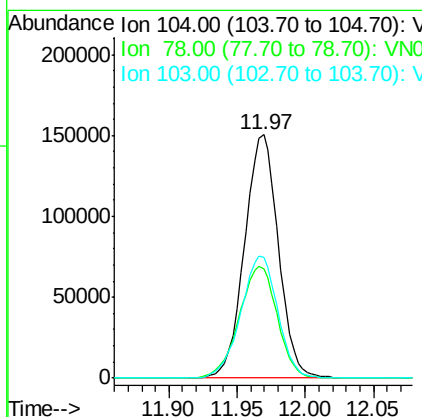
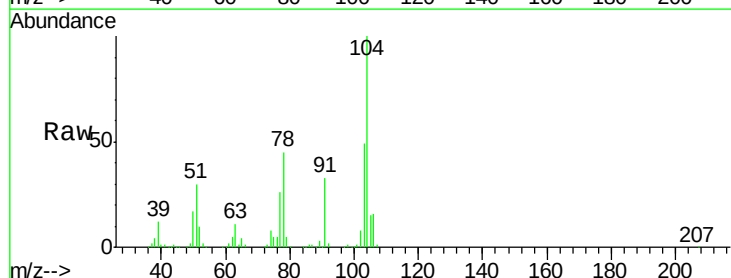
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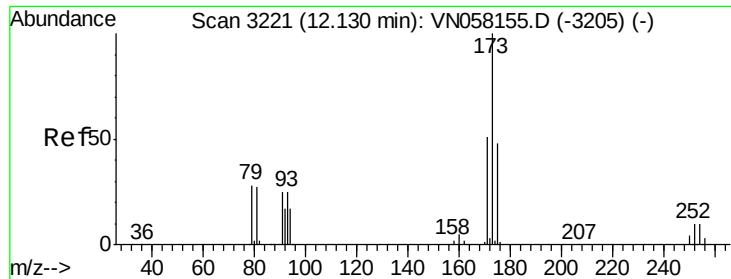
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#70
Styrene
Concen: 21.100 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.8	62.8
103	54.7	44.2	66.2





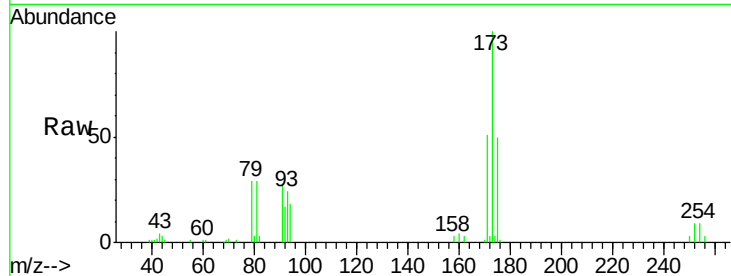
#71
Bromoform
Concen: 20.437 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.1	0.1#

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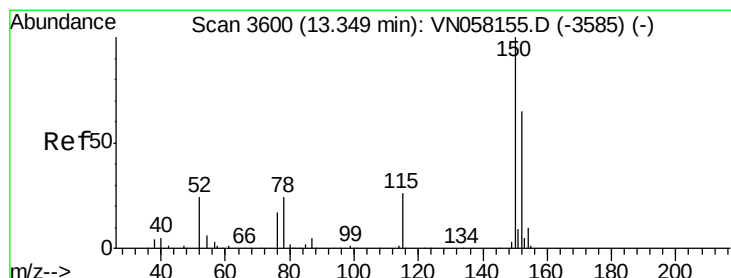
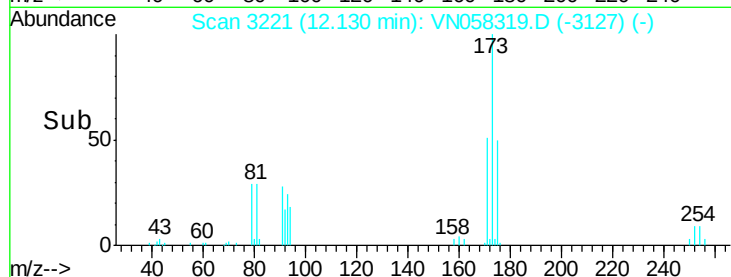
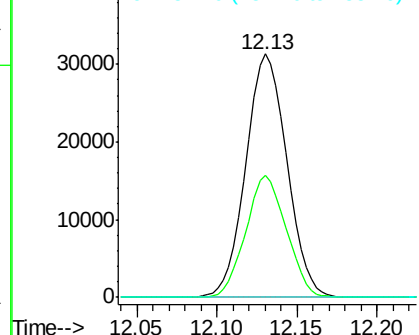


Abundance

Ion 172.70 (172.40 to 173.40): V

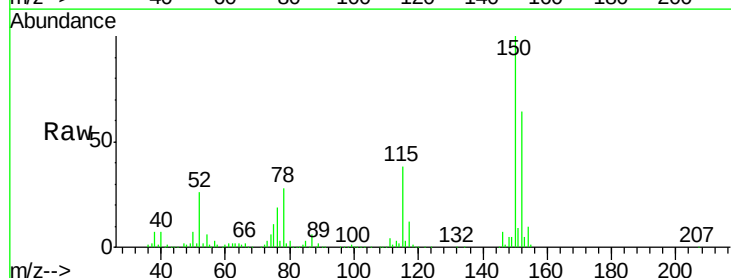
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058319.D
Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.3
150	162.8	0.0	346.4

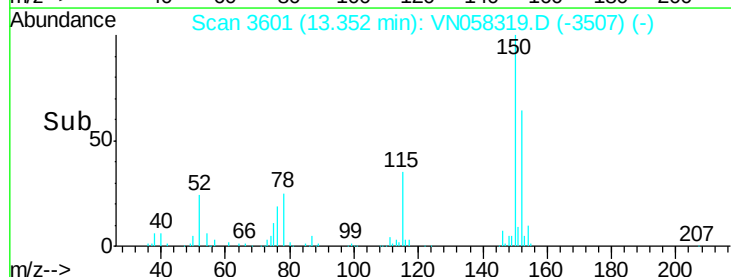
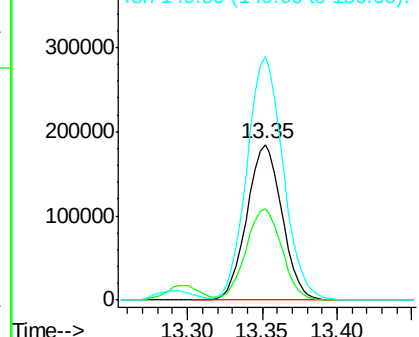


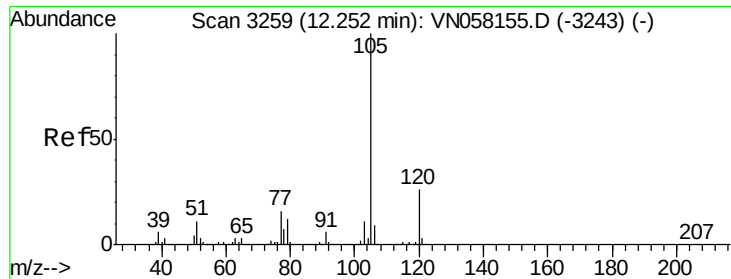
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.546 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

VN0923WBSD02

Tot Ion: 105 Resp: 405493

Ion Ratio Lower Upper

105 100

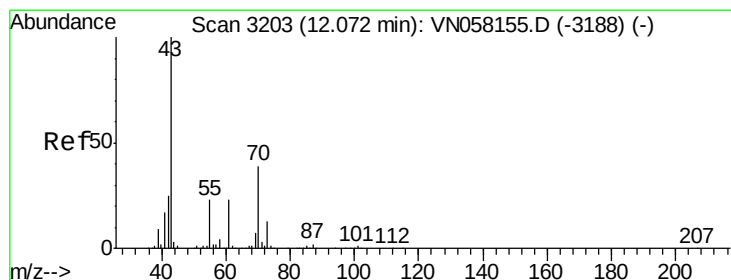
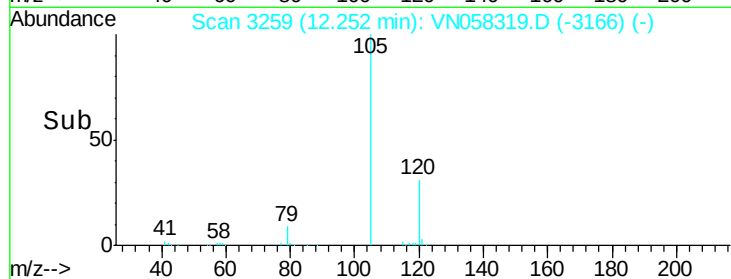
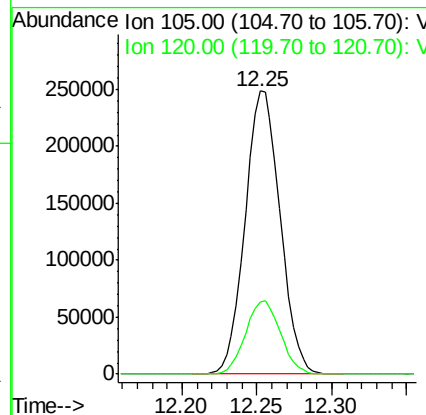
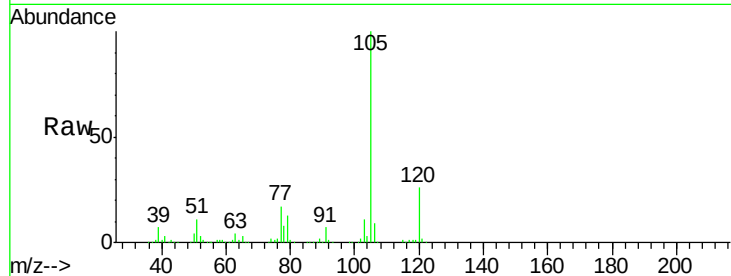
120 25.8 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.214 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion: 43 Resp: 182767

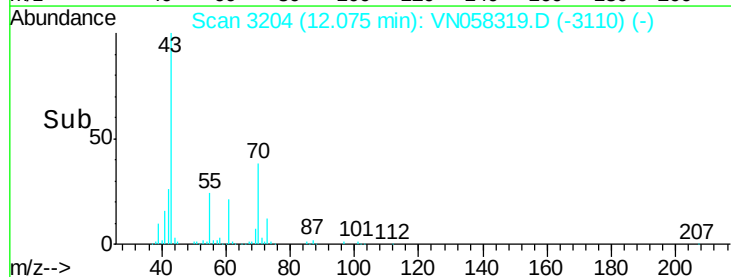
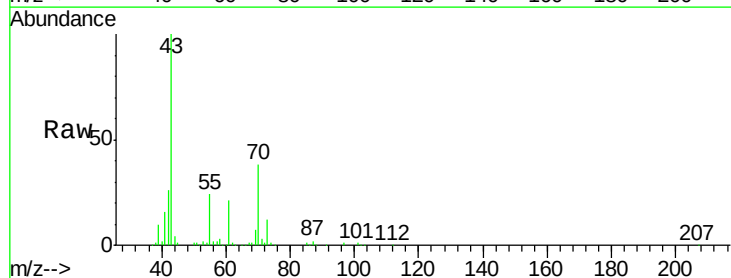
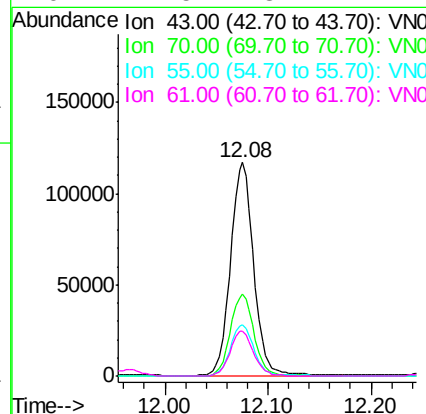
Ion Ratio Lower Upper

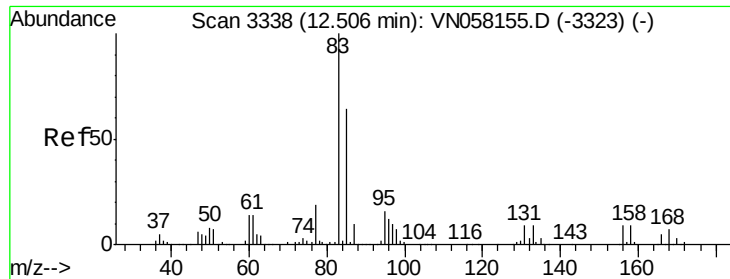
43 100

70 39.5 31.0 46.6

55 24.6 18.5 27.7

61 21.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 24.015 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

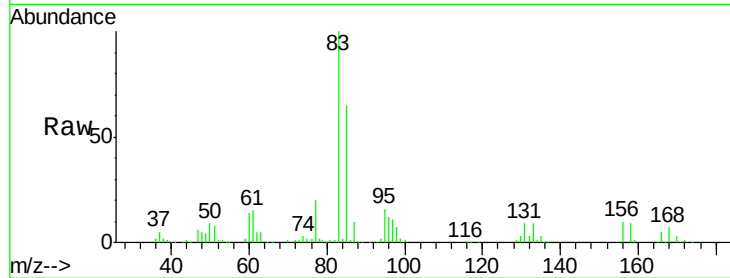
ClientSampleId :

VN0923WBSD02

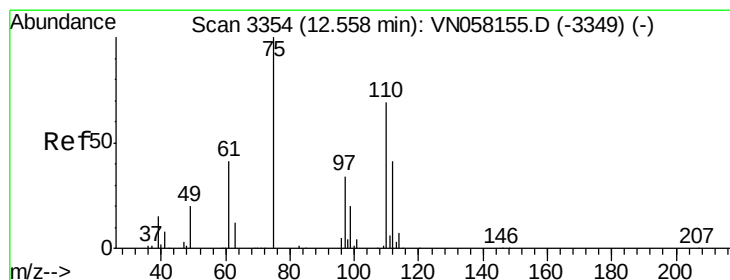
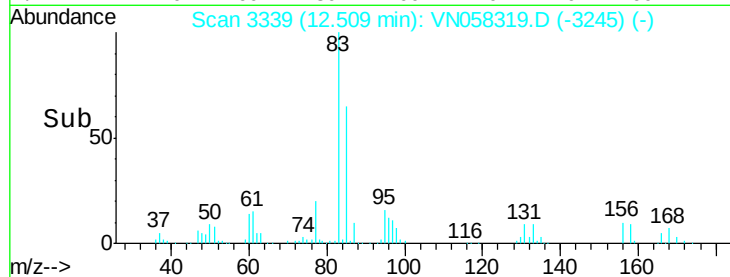
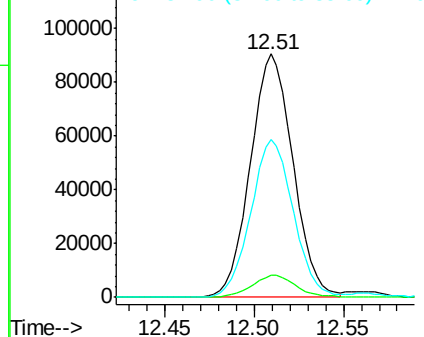
Tot Ion:	83	Resp:	151355
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.6	31.9	95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN058319.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 22.535 ug/l m

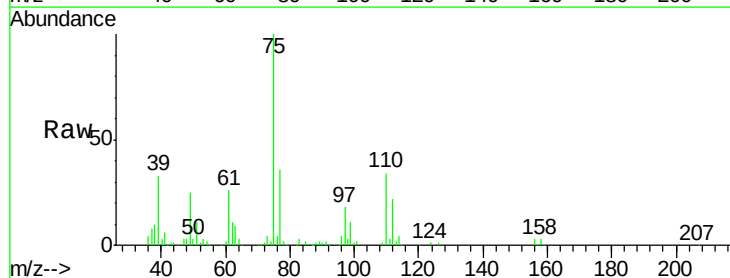
RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

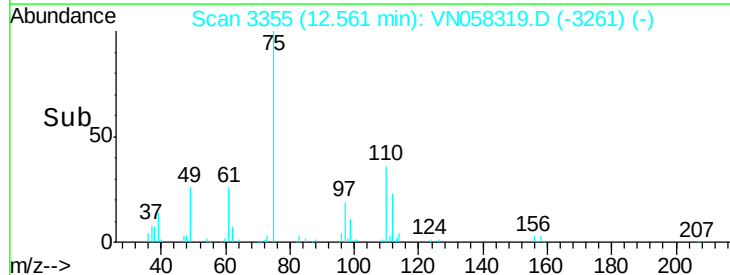
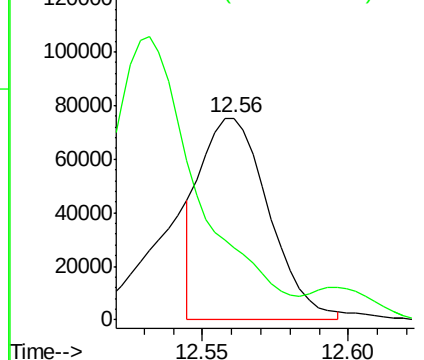
Lab File: VN058319.D

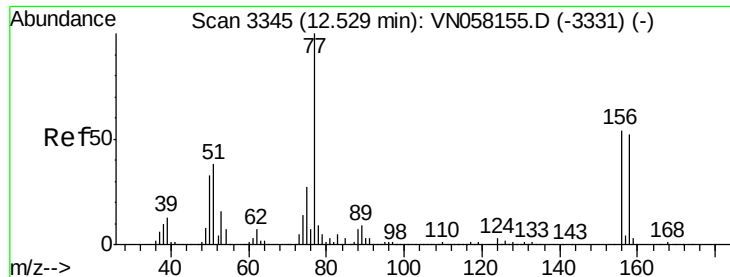
Acq: 24 Sep 2019 1:53

Tgt Ion:	75	Resp:	121266
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058319.D (-3261) (-)





#77

Bromobenzene

Concen: 20.800 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion:156 Resp: 98469

Ion Ratio Lower Upper

156 100

77 227.7 111.7 335.1

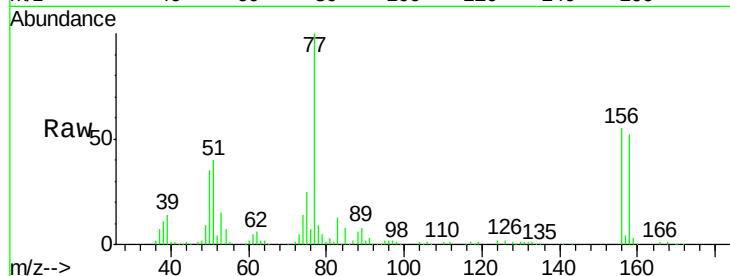
158 96.9 47.9 143.8

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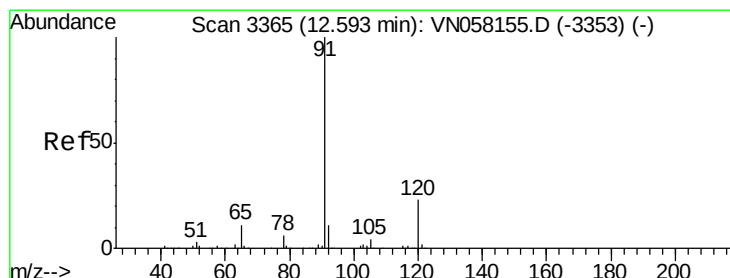
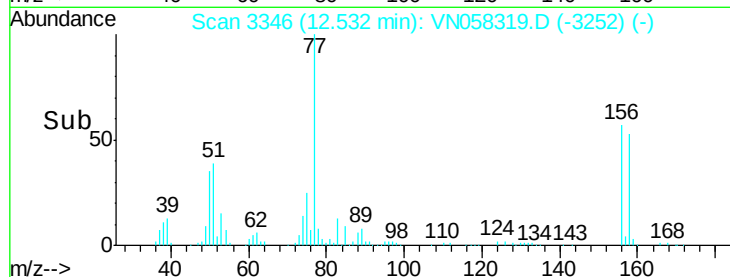
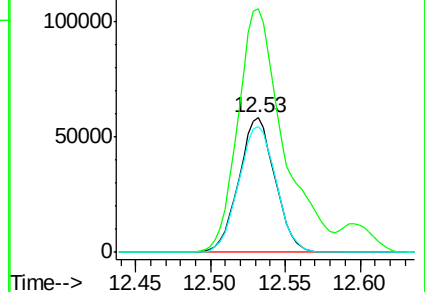
9/26/2019 12:43:15 AM



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: 21.907 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058319.D

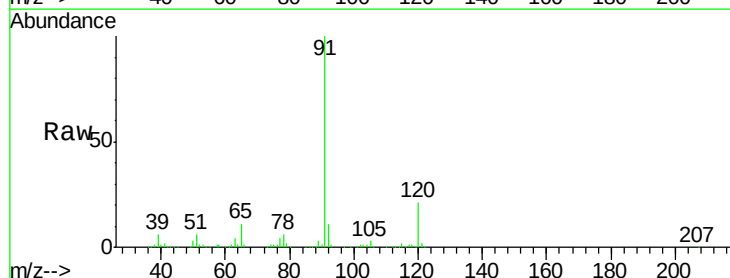
Acq: 24 Sep 2019 1:53

Tgt Ion: 91 Resp: 468517

Ion Ratio Lower Upper

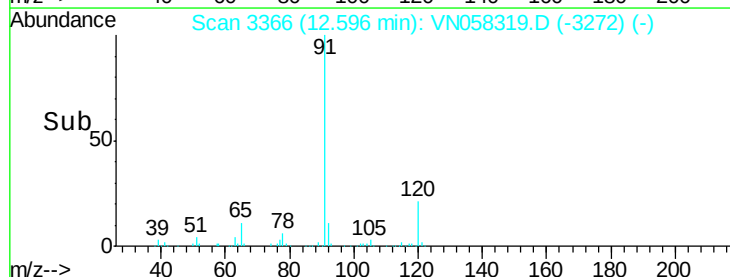
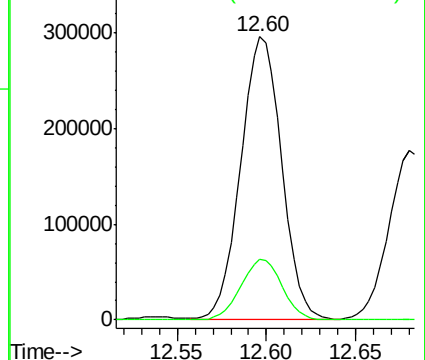
91 100

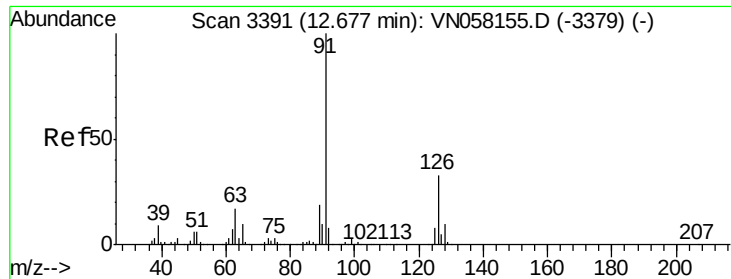
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.513 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 91 Resp: 287538

Ion Ratio Lower Upper

91 100

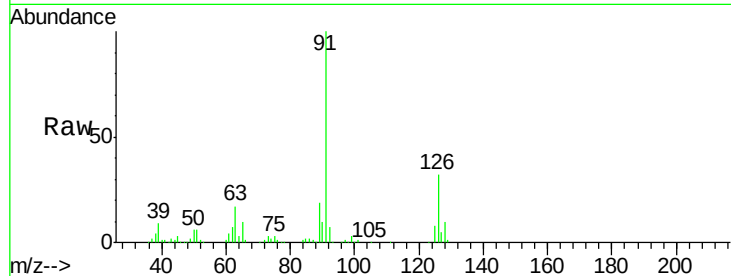
126 33.1 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058319.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058319.D (-3392) (-)

250000

200000

150000

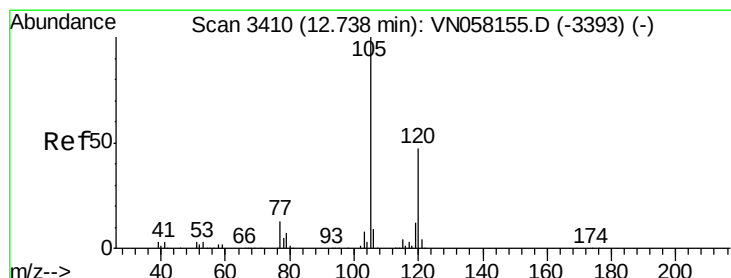
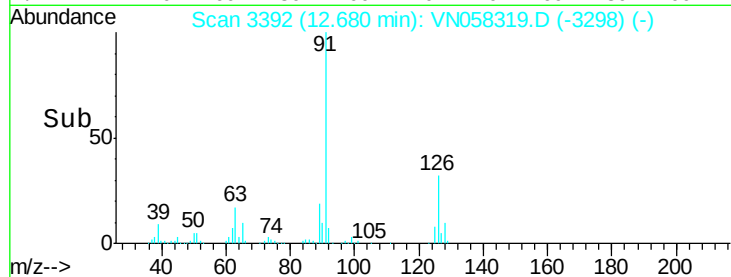
100000

50000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.872 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058319.D

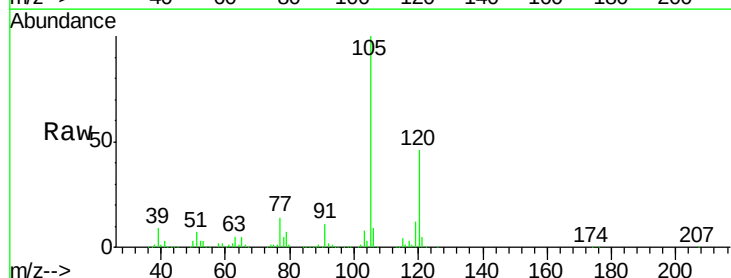
Acq: 24 Sep 2019 1:53

Tgt Ion: 105 Resp: 348088

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058319.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058319.D (-3410) (-)

250000

200000

150000

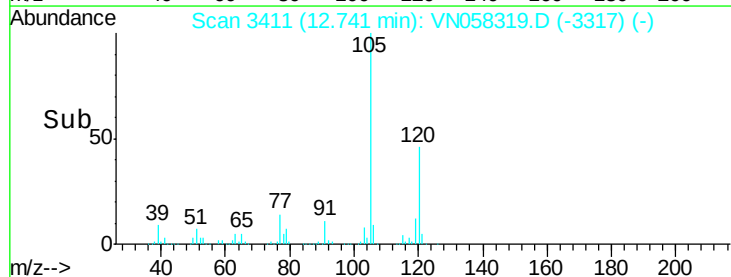
100000

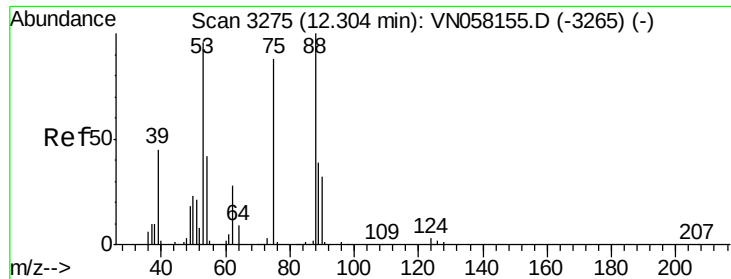
50000

0

12.70 12.74 12.78

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.069 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

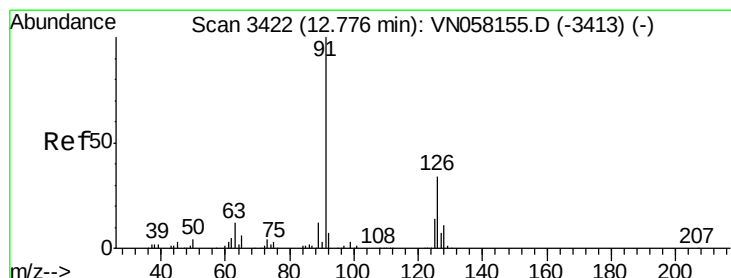
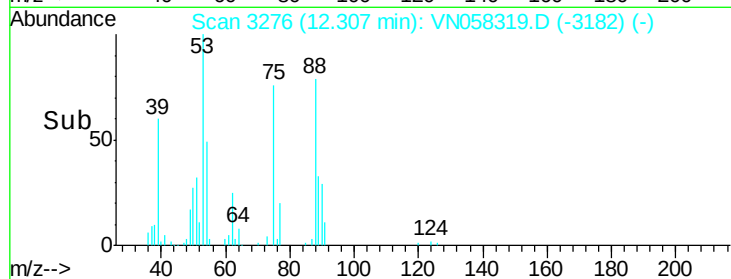
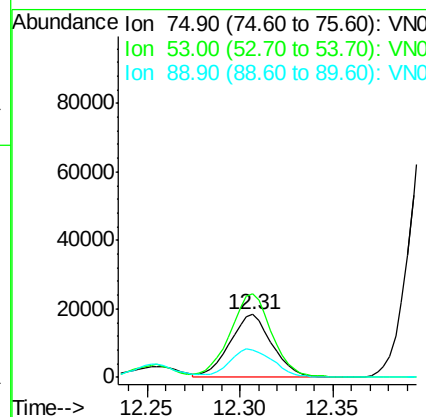
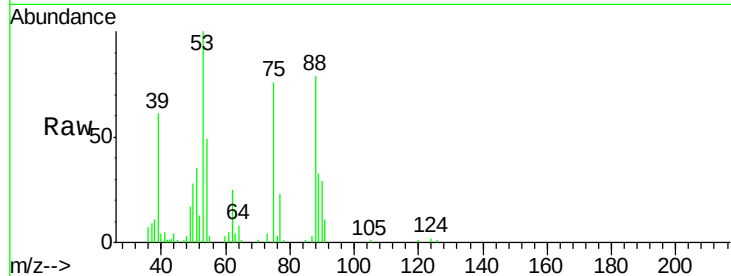
ClientSampleId :

VN0923WBSD02

Tot Ion:	75	Resp:	29213
Ion Ratio	Lower	Upper	
75	100		
53	130.8	90.1	135.1
89	46.4	36.2	54.2

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#82

4-Chlorotoluene

Concen: 21.340 ug/l

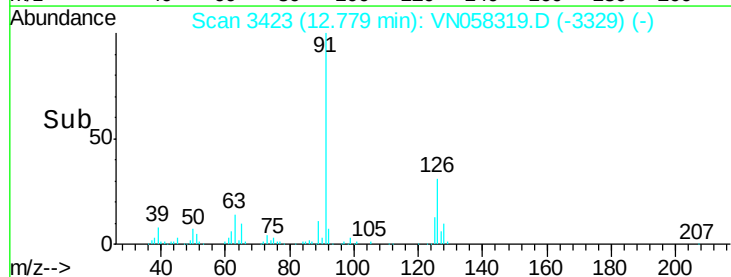
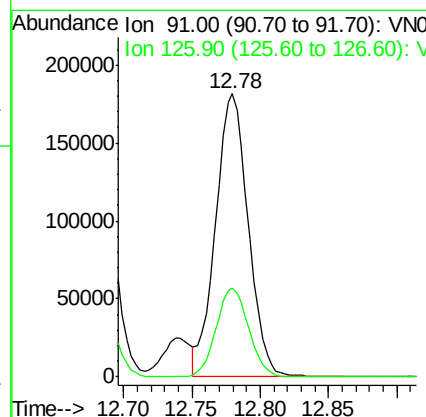
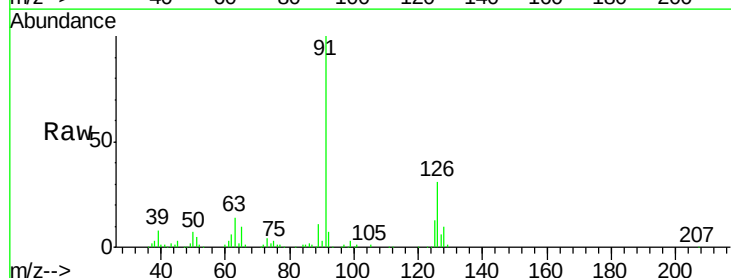
RT: 12.78 min Scan# 3423

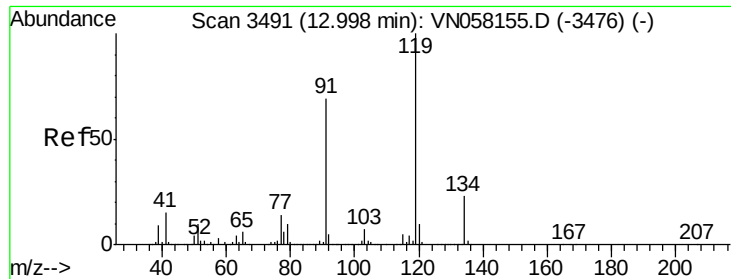
Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion:	91	Resp:	299823
Ion Ratio	Lower	Upper	
91	100		
126	31.5	15.7	47.1





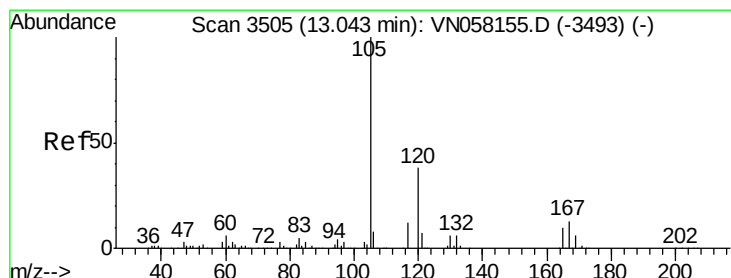
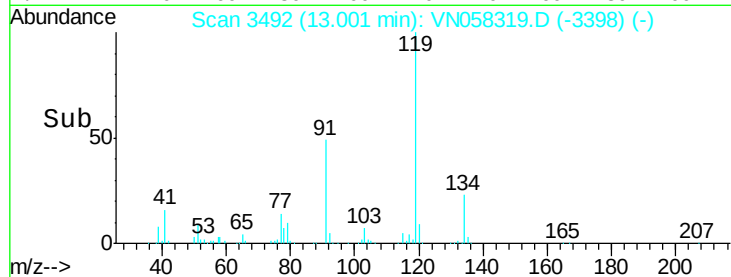
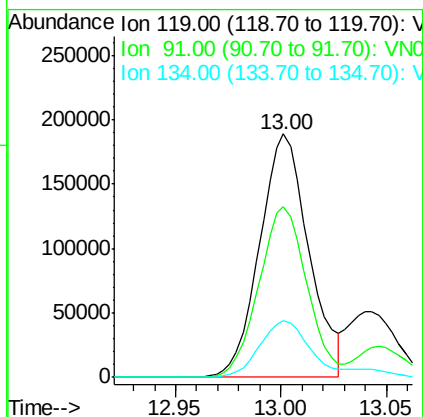
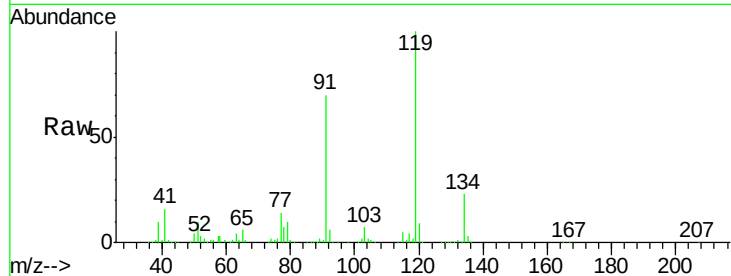
#83
 tert-Butylbenzene
 Concen: 21.560 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	305987		
91	69.0		33.8	101.3
134	23.5		11.6	34.8

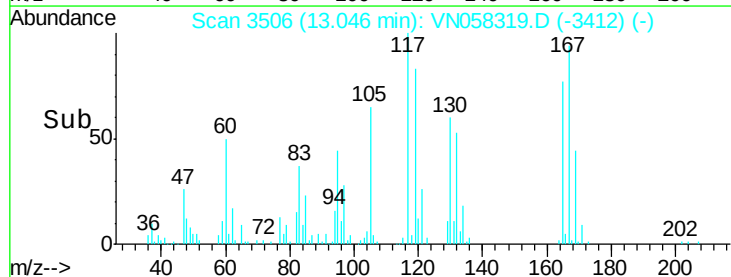
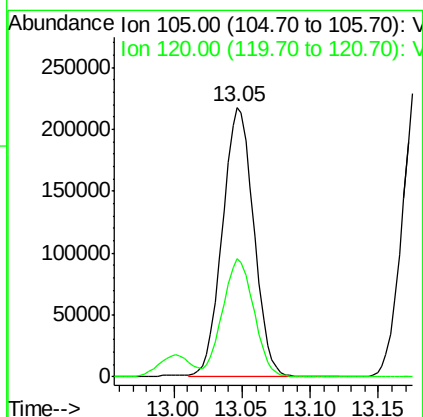
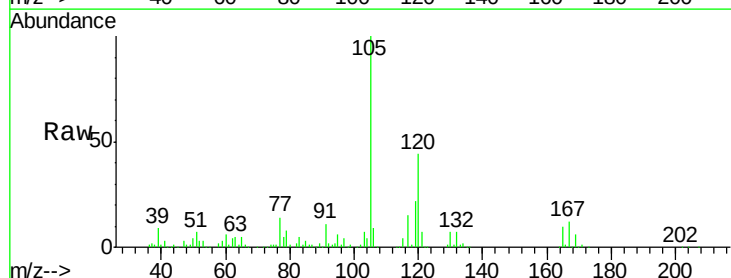
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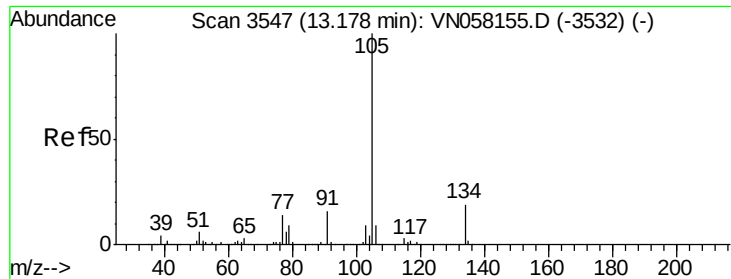
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.817 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345533		
120	43.9		22.1	66.5





#85

sec-Butylbenzene

Concen: 21.916 ug/l

RT: 13.18 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion:105 Resp: 406735

Ion Ratio Lower Upper

105 100

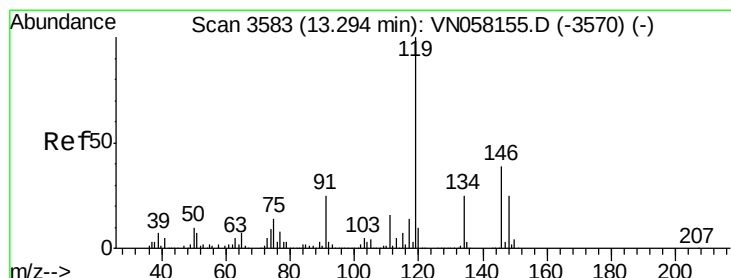
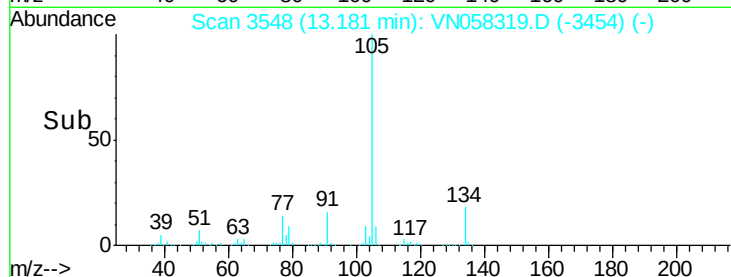
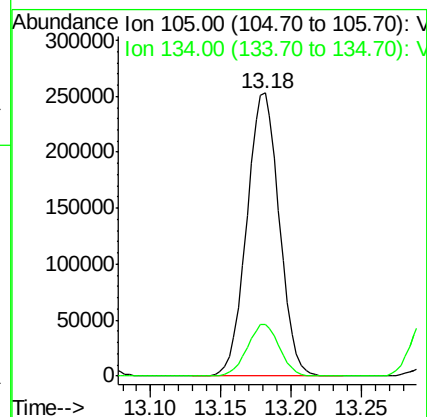
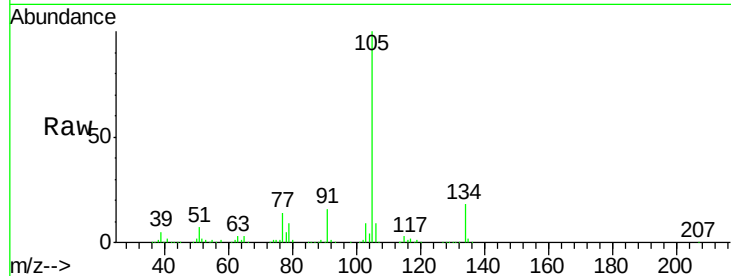
134 18.3 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 21.652 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

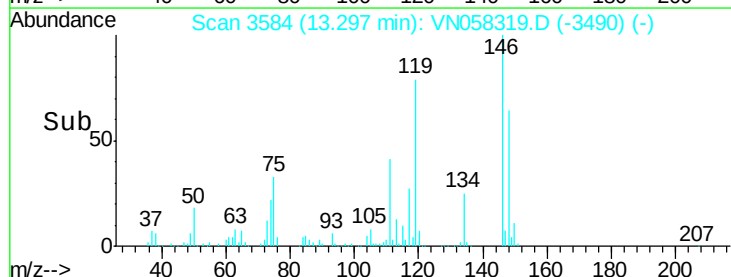
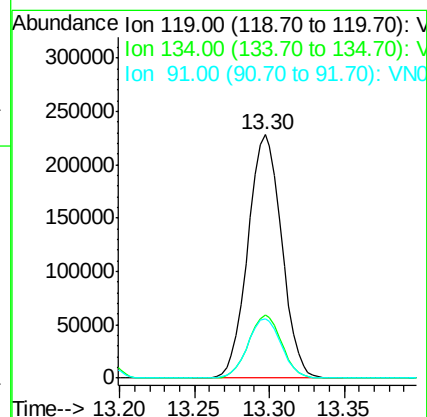
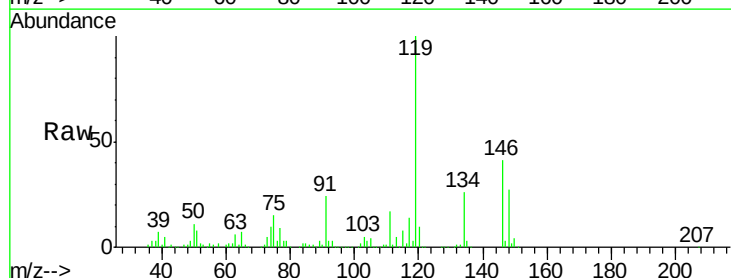
Tgt Ion:119 Resp: 357242

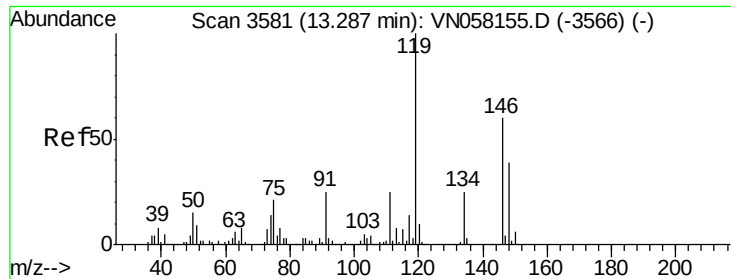
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 24.5 12.3 36.8





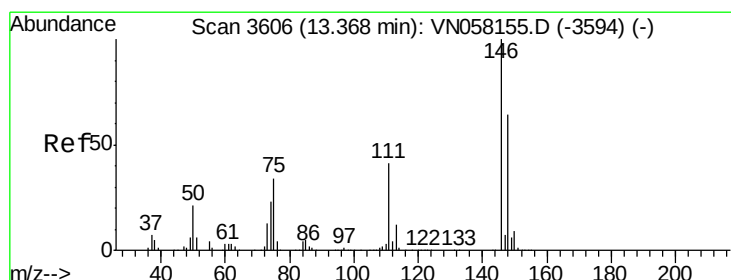
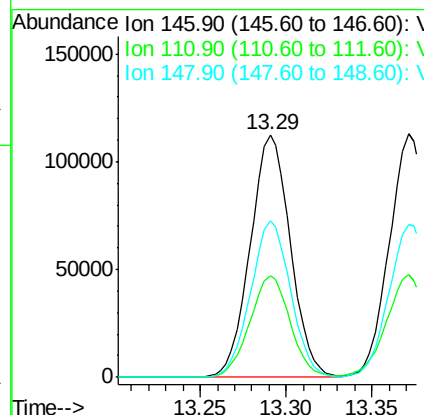
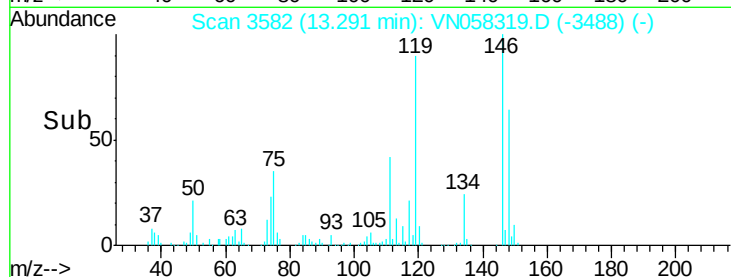
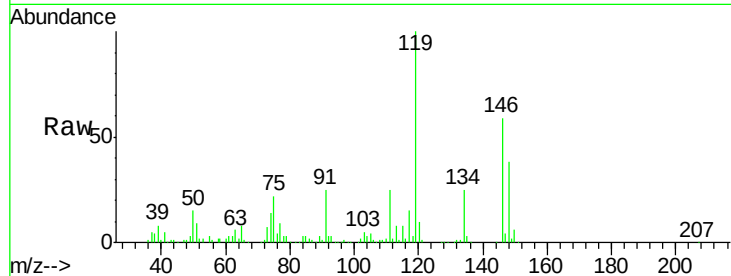
#87
 1,3-Dichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181713		
111	42.1	20.9	62.8	
148	64.5	32.0	96.2	

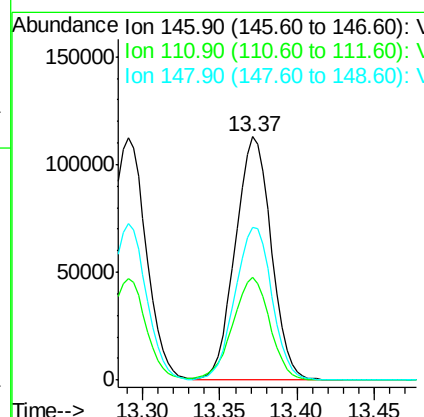
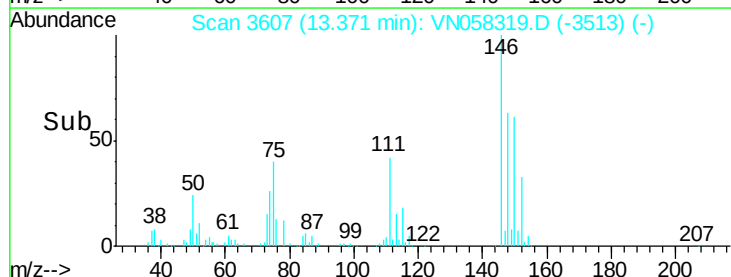
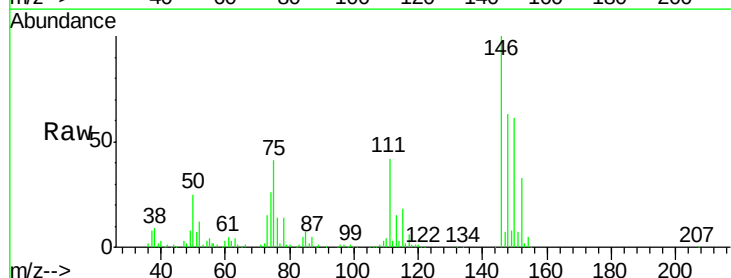
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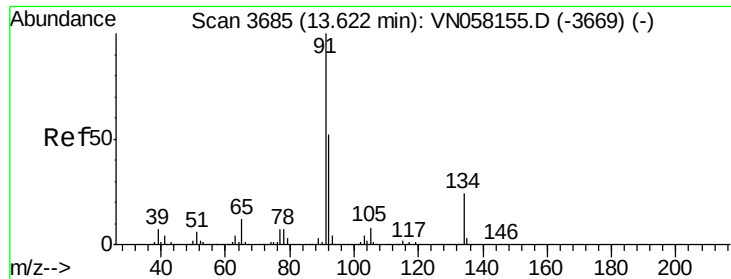
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#88
 1,4-Dichlorobenzene
 Concen: 20.612 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	181952		
111	43.7	20.5	61.5	
148	64.8	31.9	95.5	





#89

n-Butylbenzene

Concen: 20.364 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

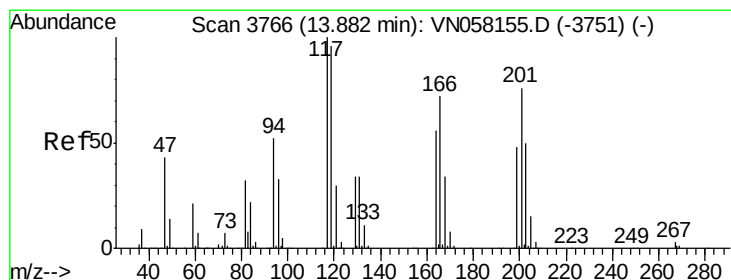
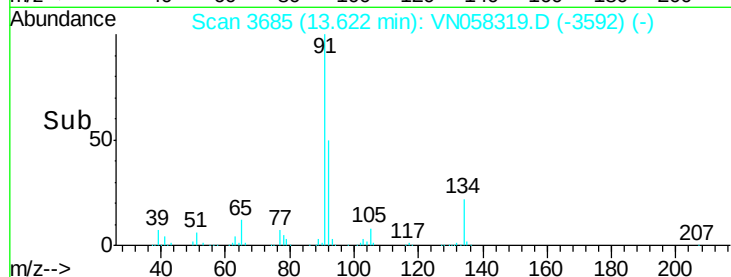
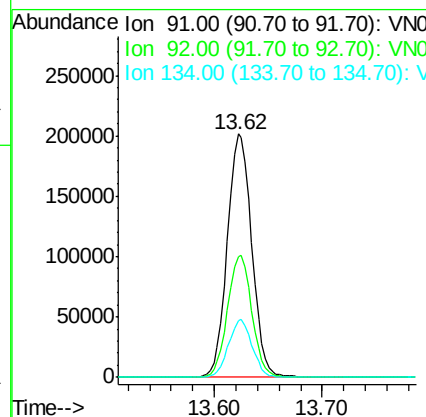
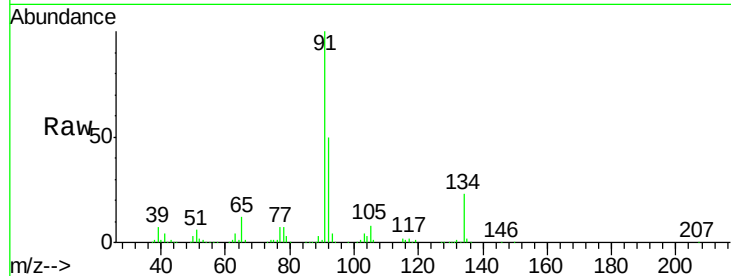
ClientSampleId :

VN0923WBSD02

Tot Ion:	91	Resp:	318544
Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.7	77.0
134	23.1	11.8	35.4

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#90

Hexachloroethane

Concen: 21.007 ug/l

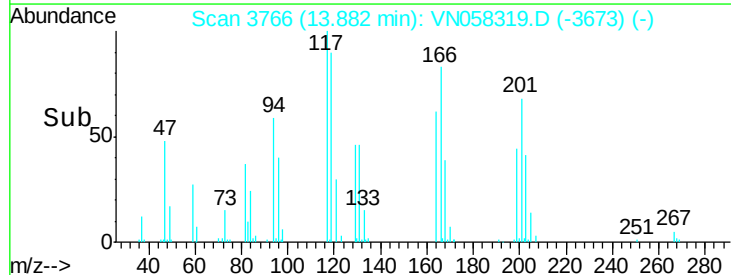
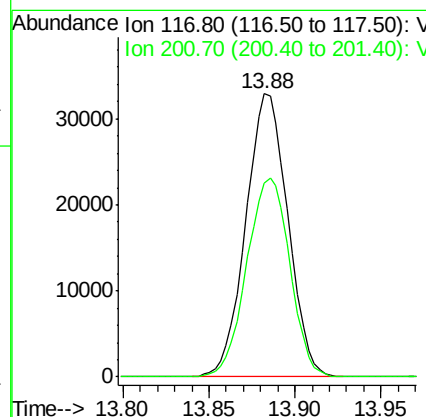
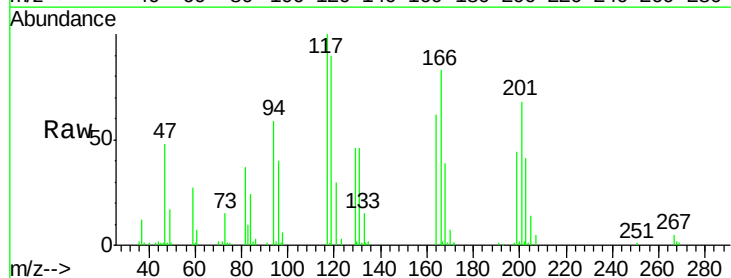
RT: 13.88 min Scan# 3766

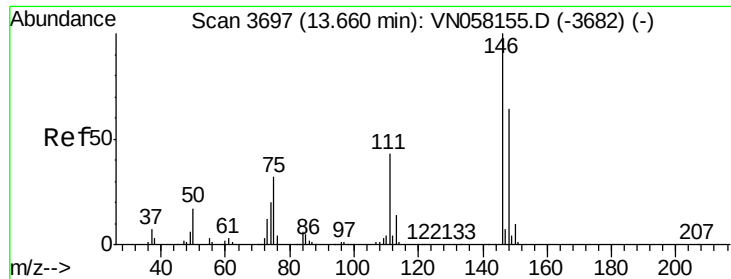
Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion:	117	Resp:	55760
Ion	Ratio	Lower	Upper
117	100		
201	71.8	37.5	112.5





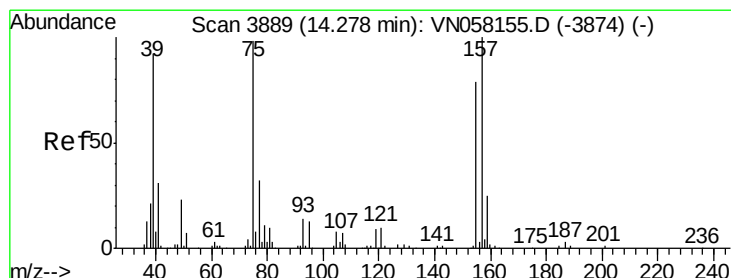
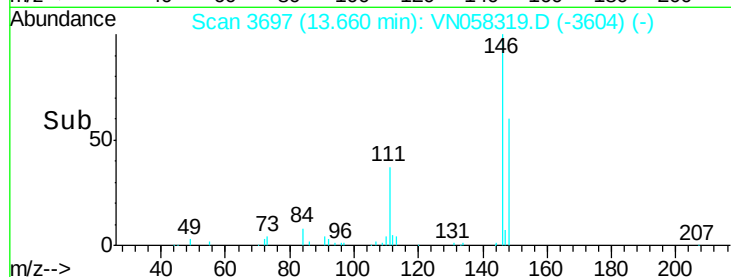
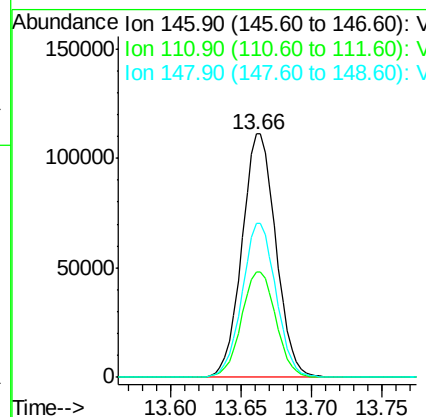
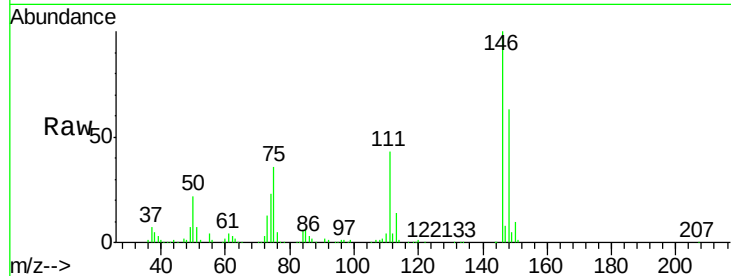
#91
 1,2-Dichlorobenzene
 Concen: 21.634 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.1	63.1
148	63.0	31.8	95.4

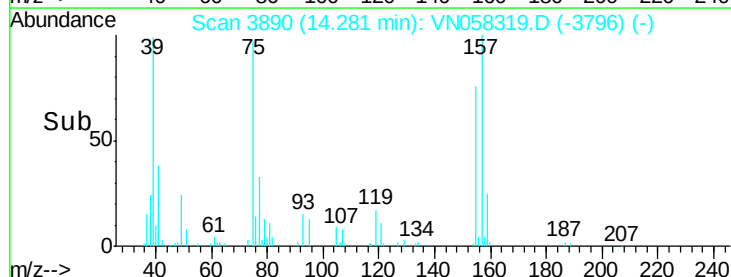
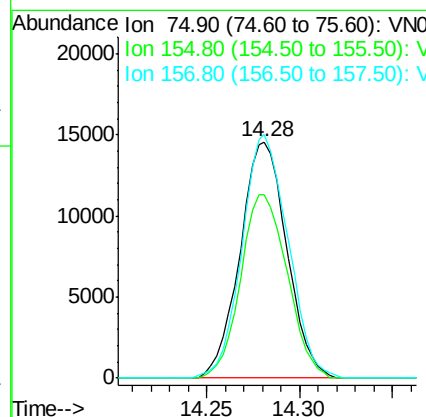
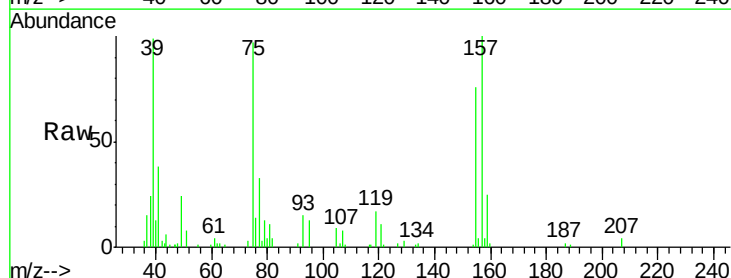
Manual Integrations
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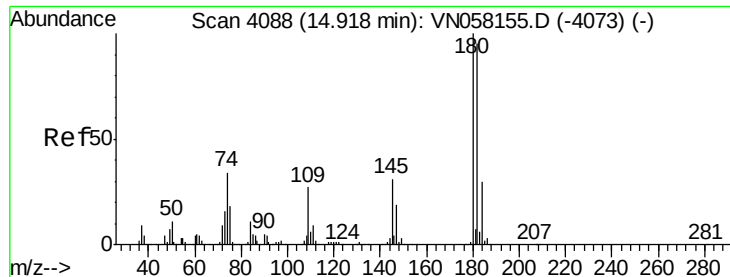
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.419 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	38.3	114.8
157	101.5	48.0	144.0





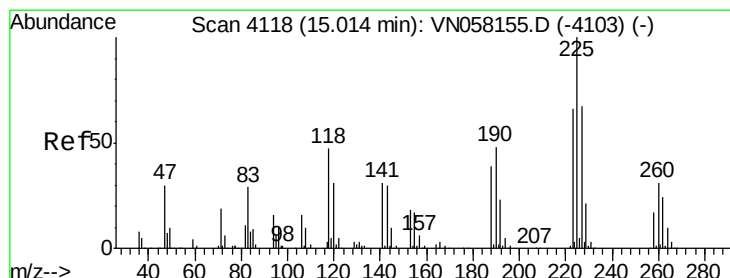
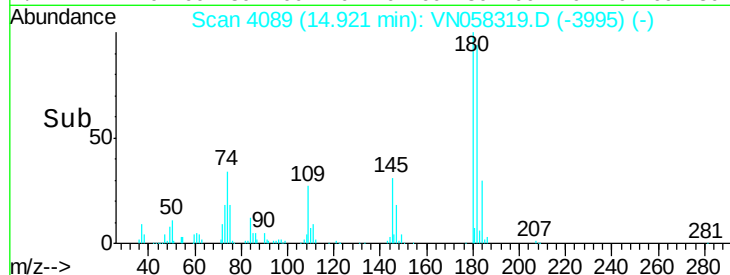
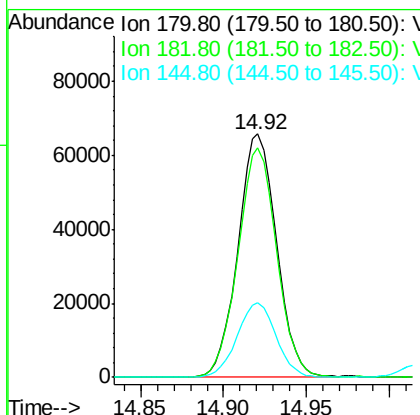
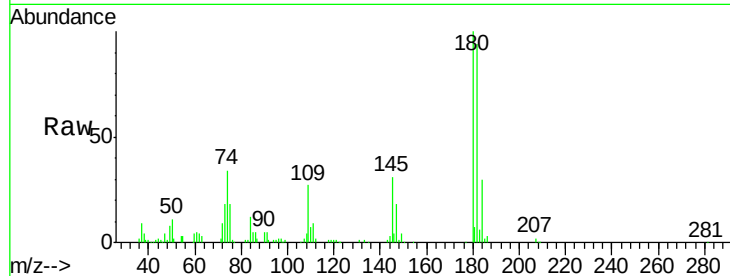
#93
 1,2,4-Trichlorobenzene
 Concen: 19.209 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.8	143.3	
145	30.9	15.4	46.4	

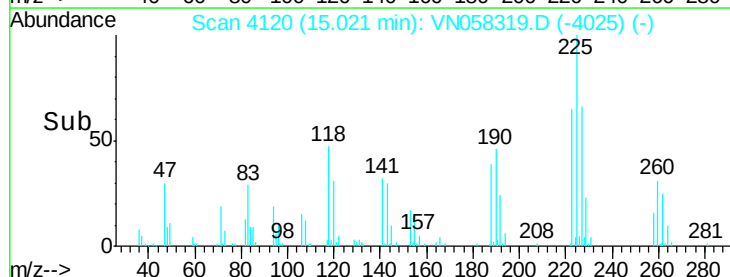
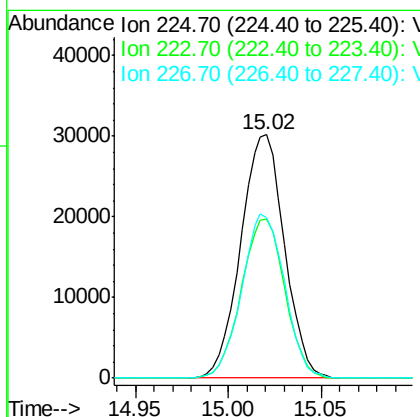
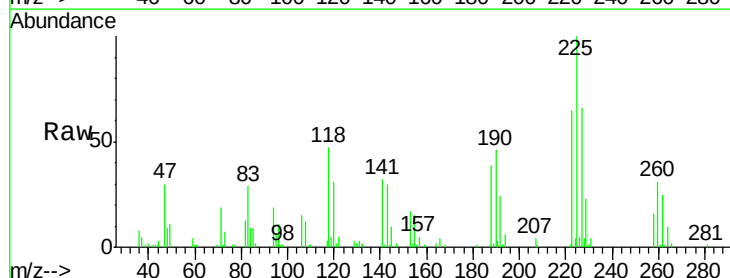
Manual Integrations
 APPROVED

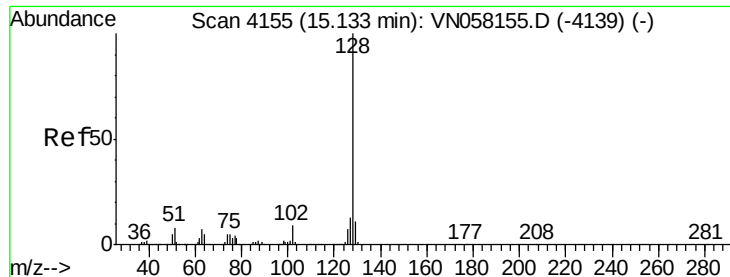
MMDadoda
 9/26/2019 12:43:15 AM



#94
 Hexachlorobutadiene
 Concen: 18.508 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: VN058319.D
 Acq: 24 Sep 2019 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.8	32.6	97.7	
227	66.1	33.0	99.0	





#95

Naphthalene

Concen: 21.592 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Instrument :

MSVOA_N

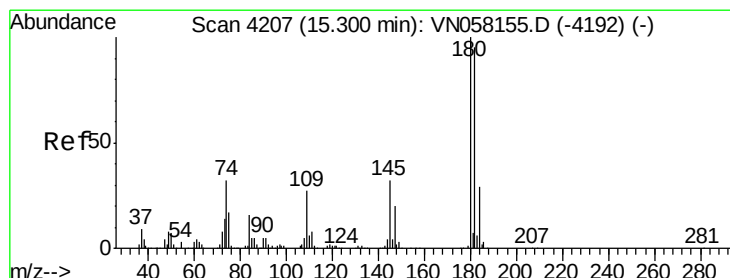
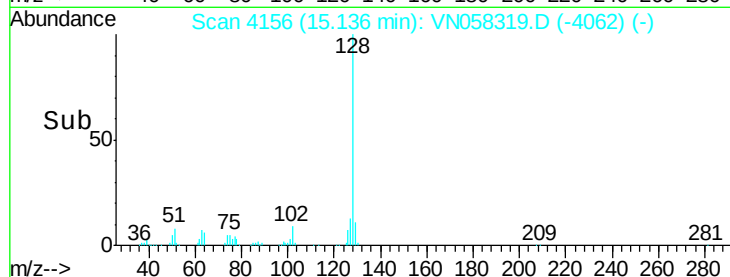
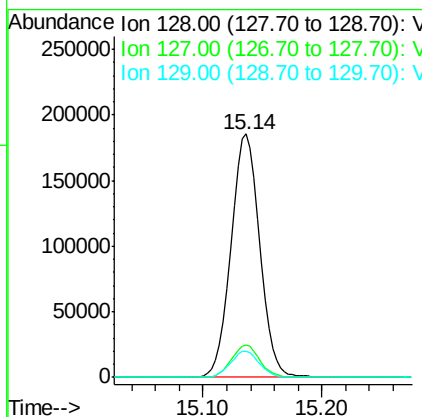
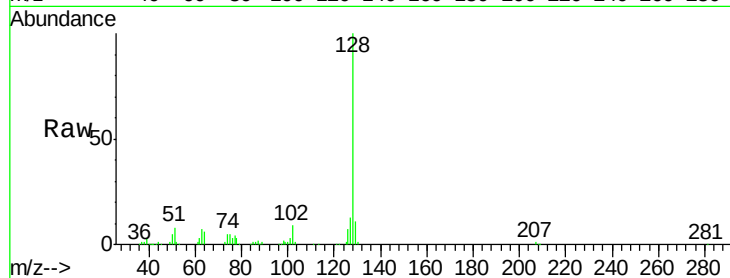
ClientSampleId :

VN0923WBSD02

Tot Ion:	128	Resp:	310098
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/26/2019 12:43:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.874 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058319.D

Acq: 24 Sep 2019 1:53

Tgt Ion:	180	Resp:	104098
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.2
145	32.2	16.1	48.2

