

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058292.D
 Acq On : 23 Sep 2019 15:07
 Operator : JC/SP
 Sample : VN0923MBSD01
 Misc : 5.00µg/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:44 AM

Quant Time: Sep 24 04:02:42 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	441326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	770212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	689161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	332156	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
35) Dibromofluoromethane	7.58	113	238866	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.09	98	918878	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.41	95	326186	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66925	18.460	ug/l	97
3) Chloromethane	2.04	50	58308	20.250	ug/l	99
4) Vinyl Chloride	2.17	62	62207	19.810	ug/l	99
5) Bromomethane	2.55	94	34263	21.597	ug/l	98
6) Chloroethane	2.69	64	43708	21.325	ug/l	99
7) Trichlorofluoromethane	3.00	101	98545	19.914	ug/l	99
8) Diethyl Ether	3.39	74	45512	20.072	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	71527	20.048	ug/l	99
10) Methyl Iodide	3.94	142	55367	18.520	ug/l	99
11) Tert butyl alcohol	4.76	59	89449	122.336	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	54917	20.070	ug/l	98
13) Acrolein	3.58	56	16223	149.717	ug/l	100
14) Allyl chloride	4.30	41	112894	19.337	ug/l	98
15) Acrylonitrile	4.96	53	234025	120.132	ug/l	99
16) Acetone	3.80	43	204487	98.006	ug/l	99
17) Carbon Disulfide	4.03	76	65481	17.359	ug/l	98
18) Methyl Acetate	4.30	43	127454	23.215	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	289373	21.504	ug/l	97
20) Methylene Chloride	4.53	84	81943	22.309	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59434	19.902	ug/l	98
22) Diisopropyl ether	5.93	45	309800	20.890	ug/l	95
23) Vinyl Acetate	5.88	43	1116628	110.040	ug/l	99
24) 1,1-Dichloroethane	5.83	63	161089	20.352	ug/l	100
25) 2-Butanone	6.82	43	321430	113.077	ug/l	98
26) 2,2-Dichloropropane	6.81	77	112018	16.682	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	90052	20.121	ug/l	98
28) Bromochloromethane	7.18	49	84849	22.661	ug/l	100
29) Tetrahydrofuran	7.20	42	205068	117.118	ug/l	98
30) Chloroform	7.36	83	179388	21.055	ug/l	100
31) Cyclohexane	7.64	56	107067	19.452	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	136309	21.016	ug/l	99
36) 1,1-Dichloropropene	7.78	75	99619	17.935	ug/l	99
37) Ethyl Acetate	6.91	43	129169	22.409	ug/l	100
38) Carbon Tetrachloride	7.76	117	104348	18.689	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98513	18.389	ug/l	97
40) Benzene	8.03	78	327778	19.321	ug/l	100
41) Methacrylonitrile	7.16	41	63627	22.423	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	139512	19.598	ug/l	99
43) Isopropyl Acetate	8.15	43	213713	19.852	ug/l #	91
44) Trichloroethene	8.83	130	79201	19.078	ug/l	97
45) 1,2-Dichloropropane	9.11	63	103359	20.401	ug/l	99
46) Dibromomethane	9.20	93	63024	20.461	ug/l	96
47) Bromodichloromethane	9.40	83	129062	20.000	ug/l	99
48) Methyl methacrylate	9.19	41	102880	21.048	ug/l	99
49) 1,4-Dioxane	9.19	88	38037	473.981	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	703032	122.950	ug/l	98
52) Toluene	10.15	92	204341	19.219	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	125676	19.012	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	136568	18.713	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	99188	21.022	ug/l	95
56) Ethyl methacrylate	10.43	69	142309	20.904	ug/l	98
57) 1,3-Dichloropropane	10.71	76	165542	20.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	358234	110.475	ug/l	99
59) 2-Hexanone	10.75	43	506270	119.214	ug/l	97
60) Dibromochloromethane	10.90	129	89975	19.822	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88255	20.184	ug/l	100
64) Tetrachloroethene	10.63	164	63671	18.953	ug/l	98
65) Chlorobenzene	11.43	112	236607	19.519	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91517	20.821	ug/l	97
67) Ethyl Benzene	11.51	91	420646	20.252	ug/l	99
68) m/p-Xylenes	11.63	106	297945	38.086	ug/l	96
69) o-Xylene	11.95	106	152394	19.812	ug/l	99
70) Styrene	11.97	104	265764	20.052	ug/l	99
71) Bromoform	12.13	173	54882	19.226	ug/l #	100
73) Isopropylbenzene	12.25	105	430931	21.348	ug/l	99
74) N-amyl acetate	12.07	43	186603	22.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156301	23.123	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	124883m	21.638	ug/l	
77) Bromobenzene	12.53	156	102488	20.185	ug/l	97
78) n-propylbenzene	12.60	91	499145	21.761	ug/l	99
79) 2-Chlorotoluene	12.68	91	302130	21.076	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	369549	21.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	33092	20.872	ug/l	95
82) 4-Chlorotoluene	12.78	91	314842	20.893	ug/l	99
83) tert-Butylbenzene	13.00	119	322232	21.169	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	367225	21.618	ug/l	99
85) sec-Butylbenzene	13.18	105	427984	21.501	ug/l	99
86) p-Isopropyltoluene	13.30	119	377139	21.312	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	191489	20.648	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	193413	20.428	ug/l	100
89) n-Butylbenzene	13.62	91	333488	19.877	ug/l	99
90) Hexachloroethane	13.88	117	58278	20.543	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	195216	20.984	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27234	22.379	ug/l	97

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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0923MBSD01

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QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111726	18.797	ug/l	99
94) Hexachlorobutadiene	15.02	225	53755	18.711	ug/l	97
95) Naphthalene	15.14	128	319626	20.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	106648	18.983	ug/l	100

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

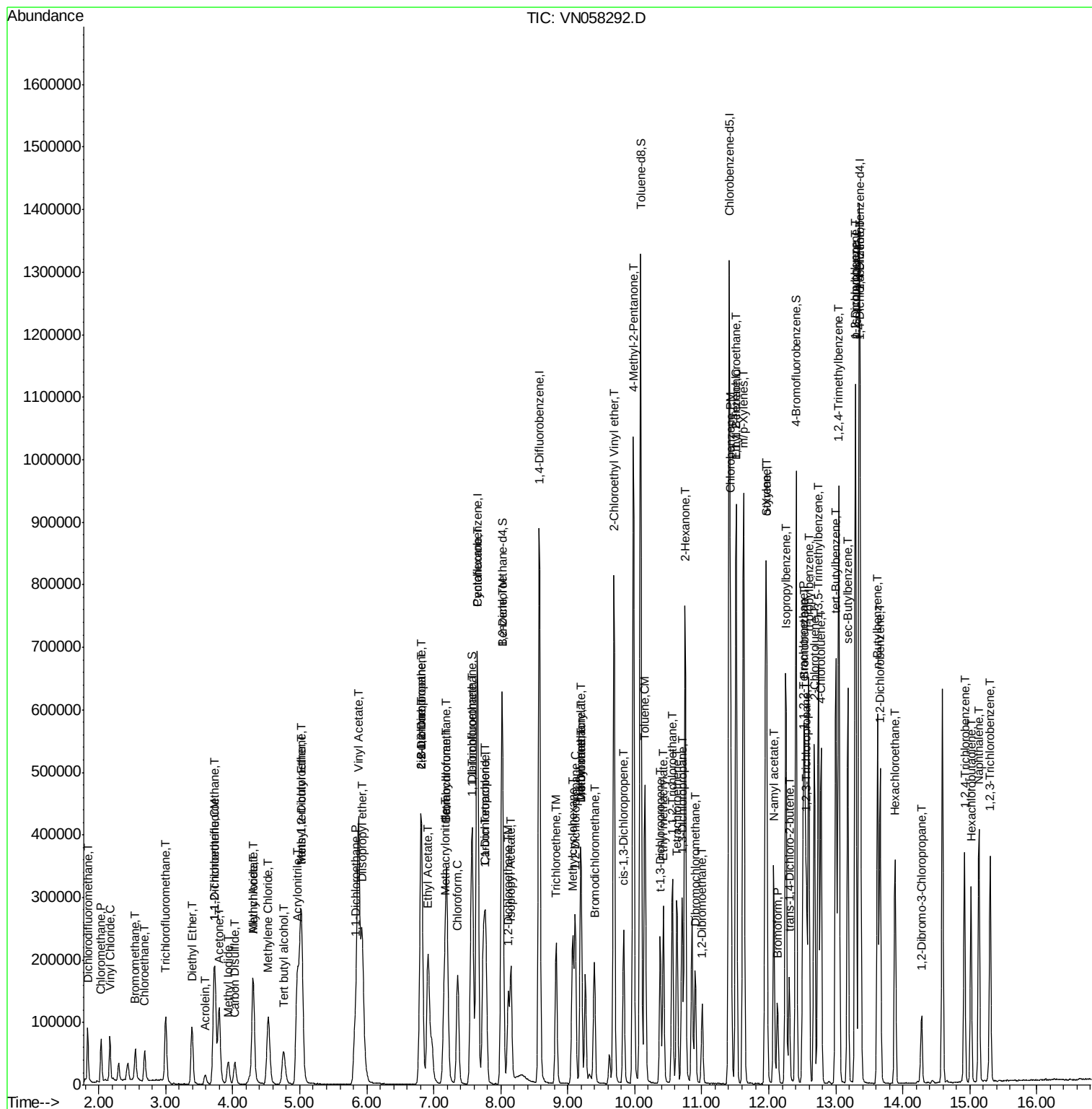
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Data File : VN058292.D
Acq On : 23 Sep 2019 15:07
Operator : JC/SP
Sample : VN0923MBS01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 19 Sample Multiplier: 1

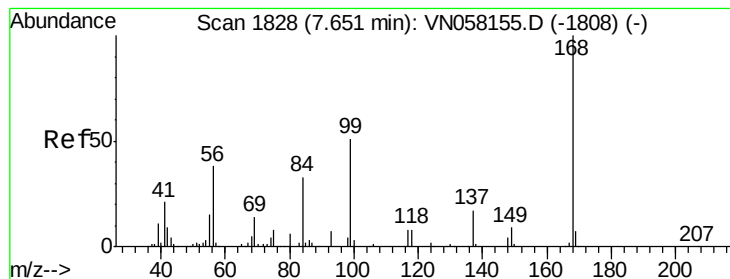
Instrument :
MSVOA_N
Client Sample ID :
VN0923MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion:168 Resp: 441326

Ion Ratio Lower Upper

168 100

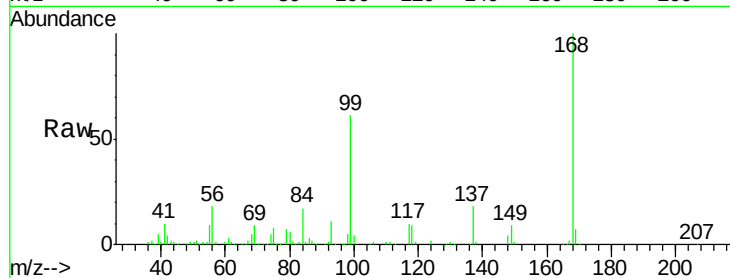
99 60.5 47.4 71.2

Manual Integrations

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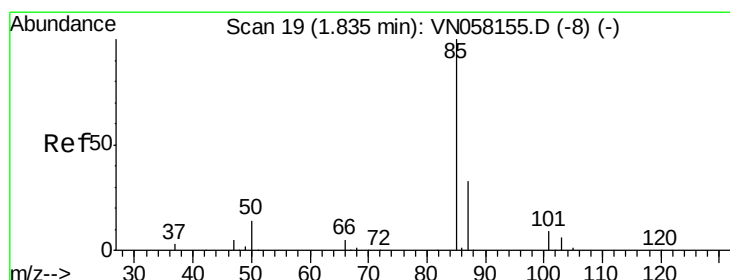
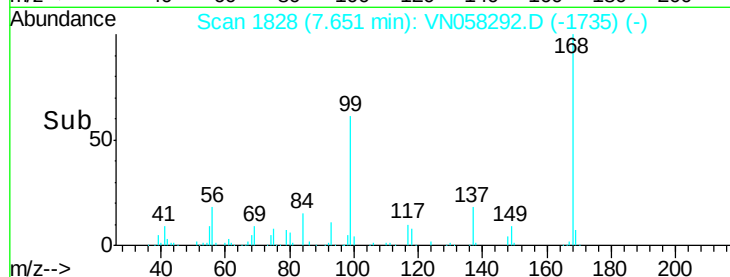
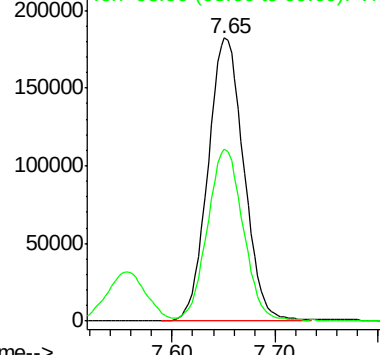
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.460 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058292.D

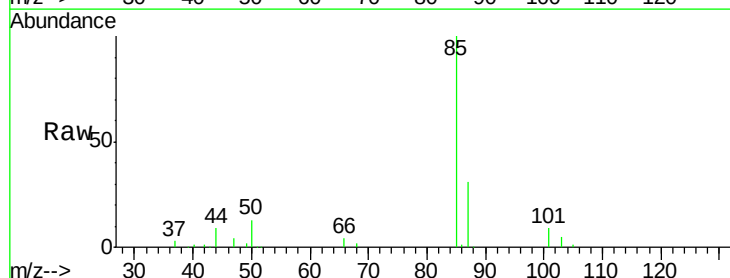
Acq: 23 Sep 2019 15:07

Tgt Ion: 85 Resp: 66925

Ion Ratio Lower Upper

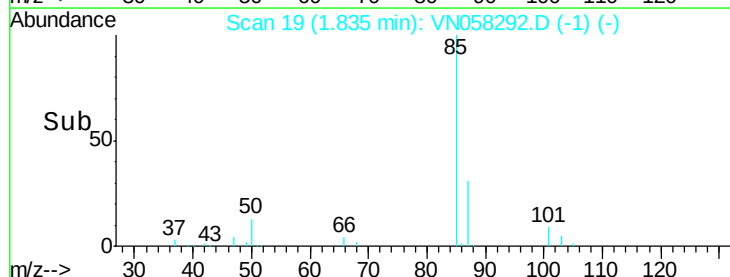
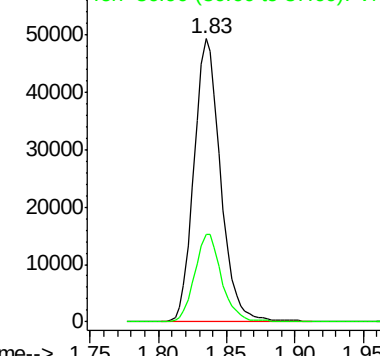
85 100

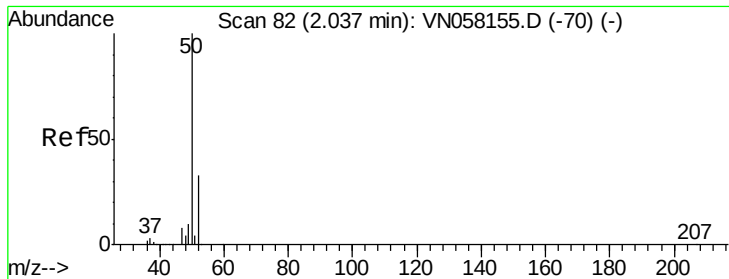
87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.250 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion: 50 Resp: 58308

Ion Ratio Lower Upper

50 100

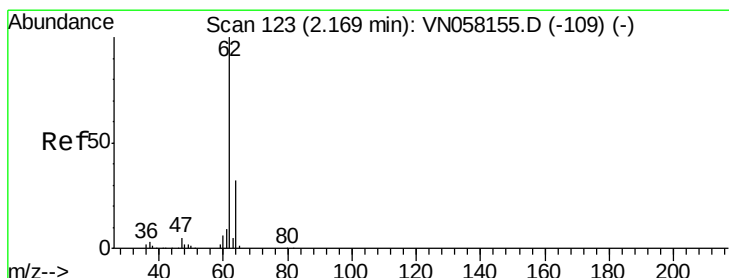
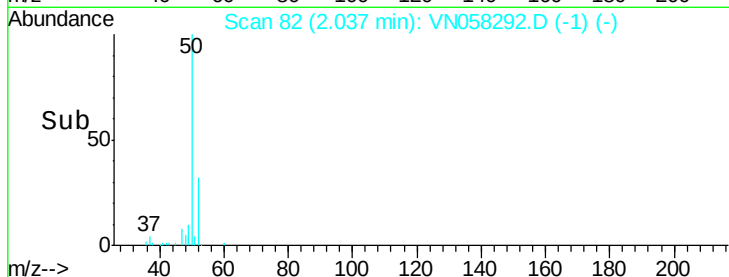
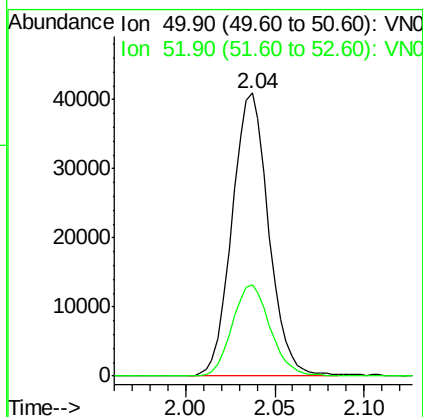
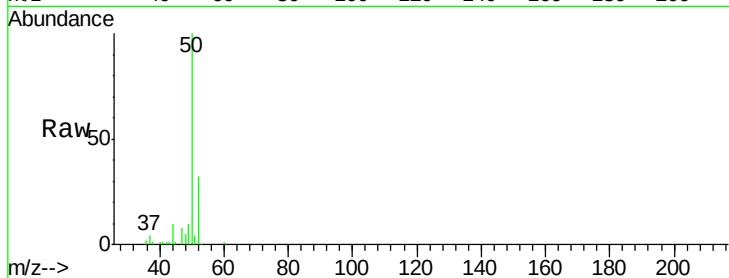
52 32.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.810 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058292.D

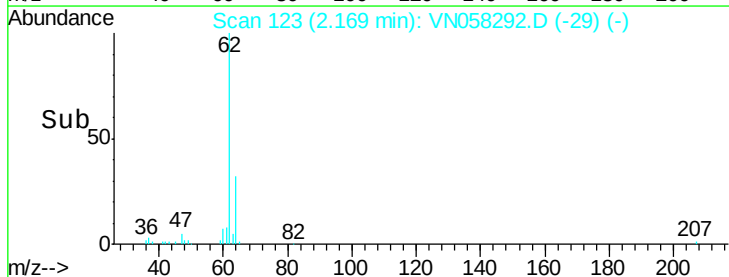
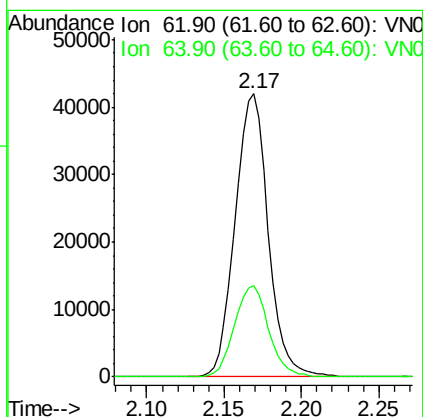
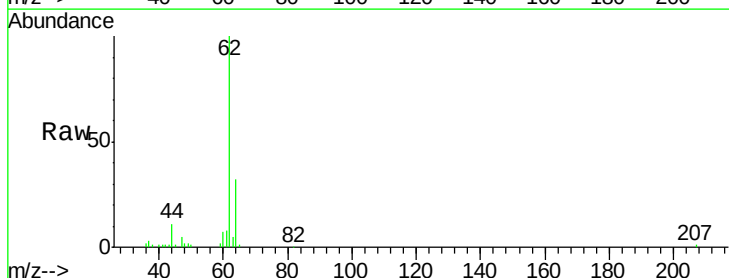
Acq: 23 Sep 2019 15:07

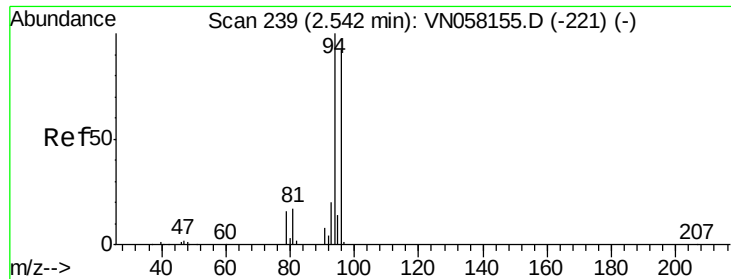
Tgt Ion: 62 Resp: 62207

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 21.597 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 34263

Ion Ratio Lower Upper

94 100

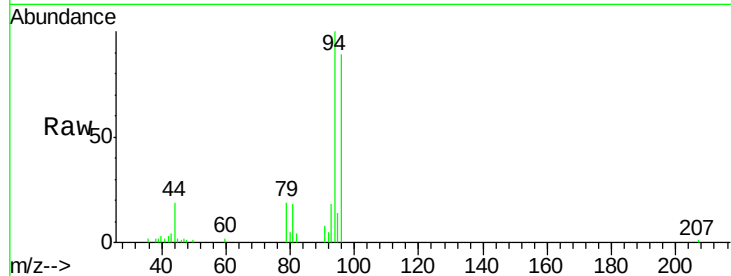
96 89.5 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

20000

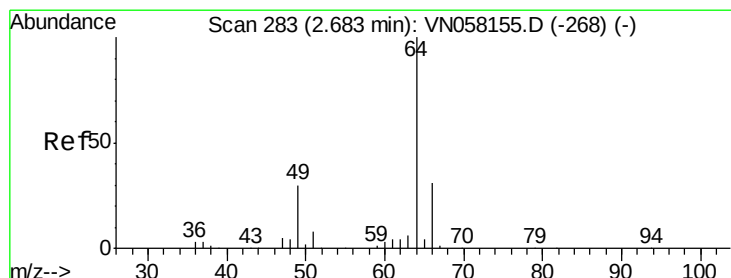
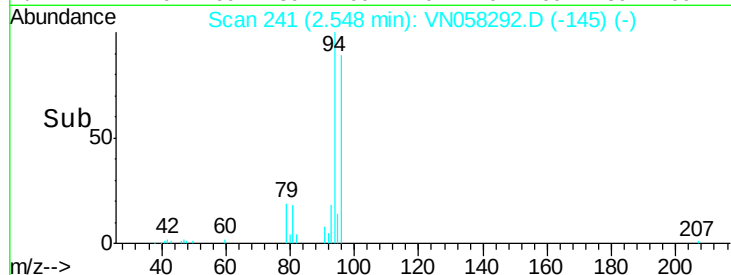
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.325 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058292.D

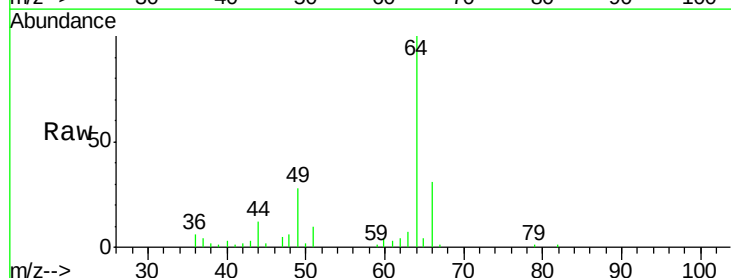
Acq: 23 Sep 2019 15:07

Tgt Ion: 64 Resp: 43708

Ion Ratio Lower Upper

64 100

66 31.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

25000

20000

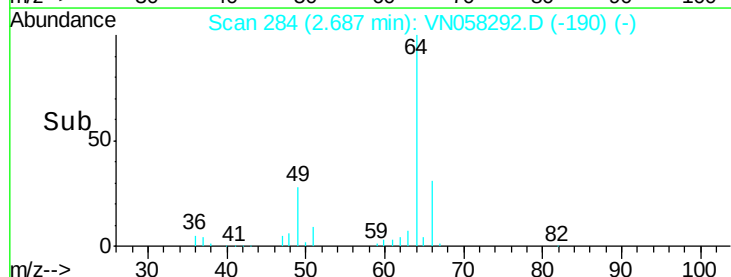
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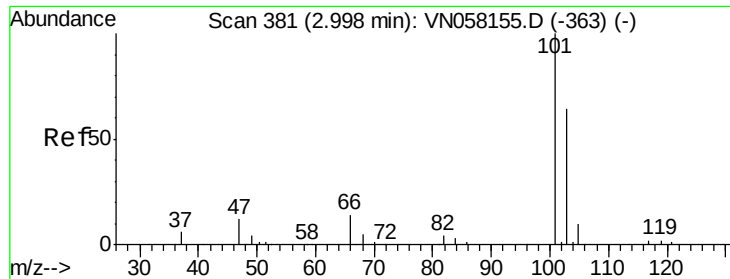
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5000

0

Time-->





#7

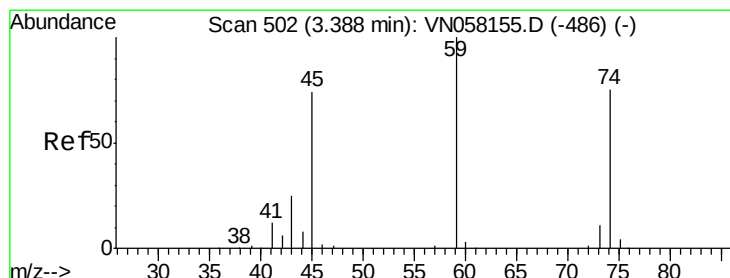
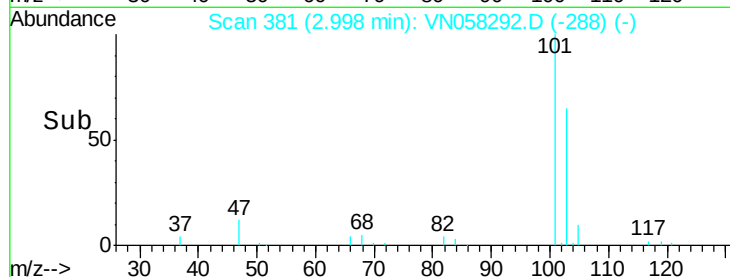
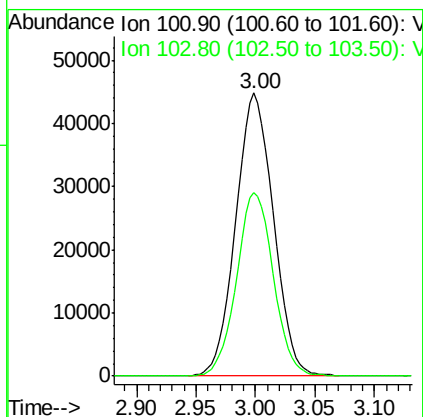
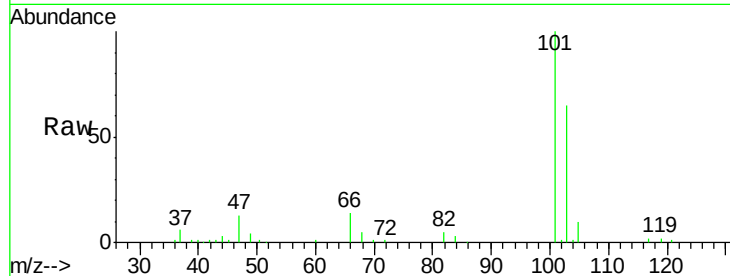
Trichlorofluoromethane
Concen: 19.914 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
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VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.6

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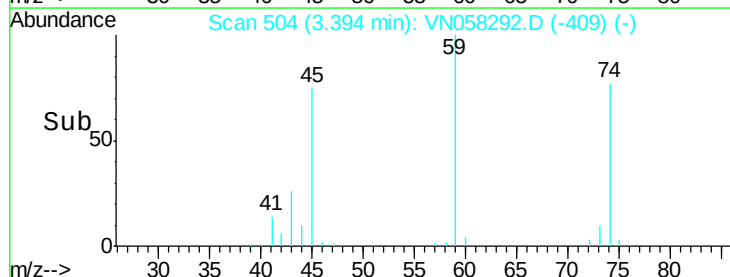
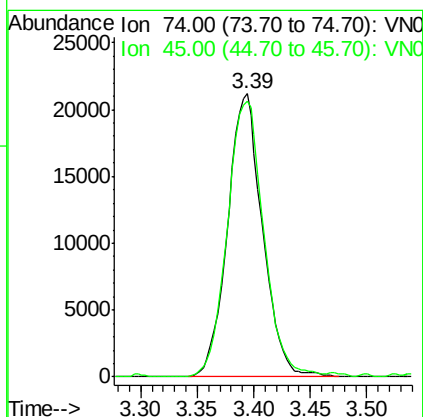
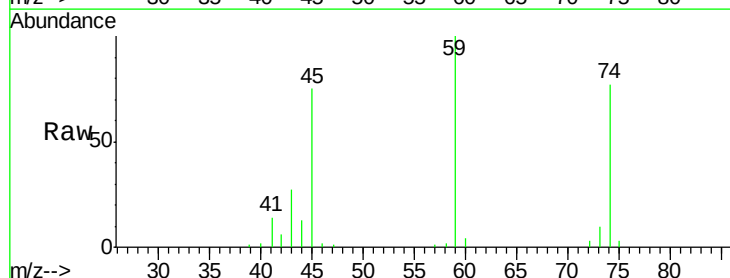
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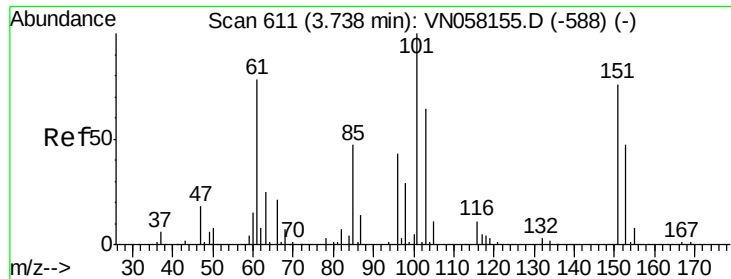


#8

Diethyl Ether
Concen: 20.072 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058292.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	48.5	145.5





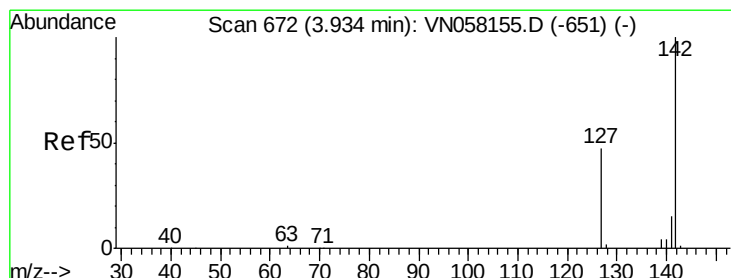
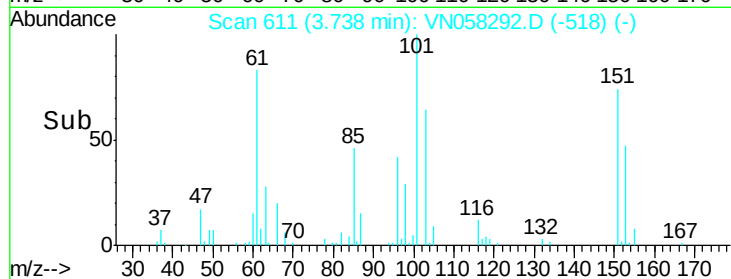
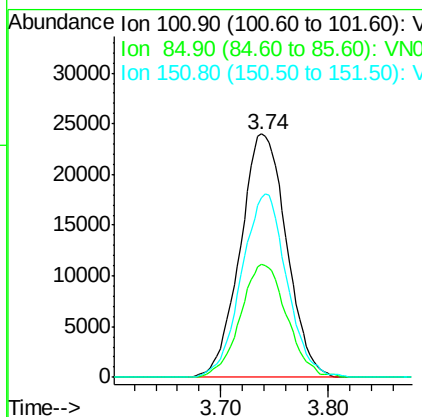
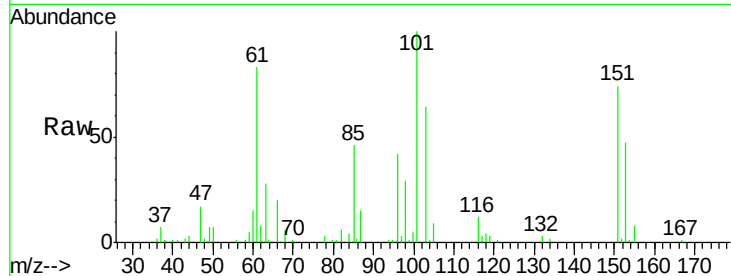
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.048 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.3	55.9
151	73.7	59.6	89.4

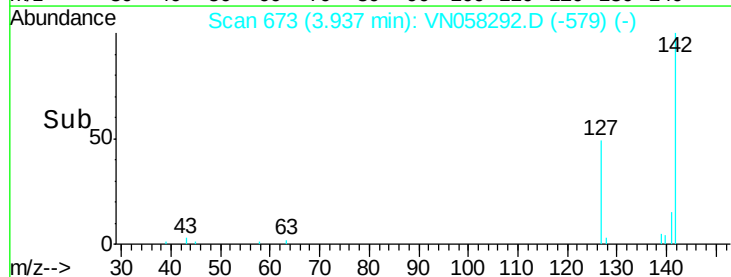
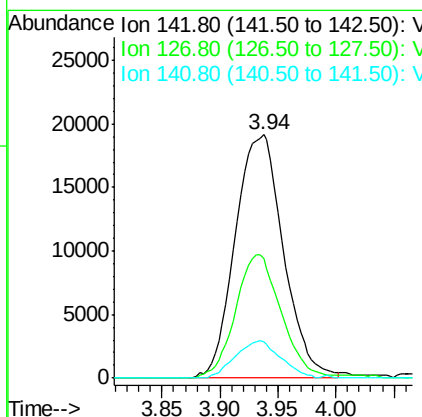
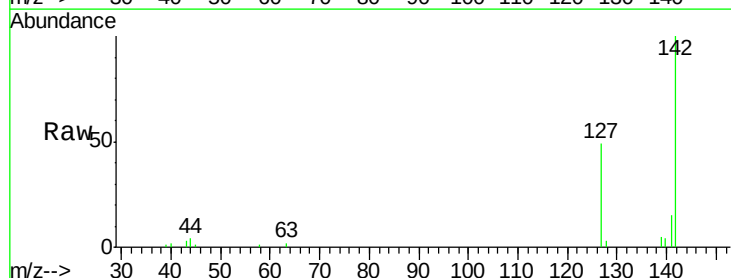
Manual Integrations
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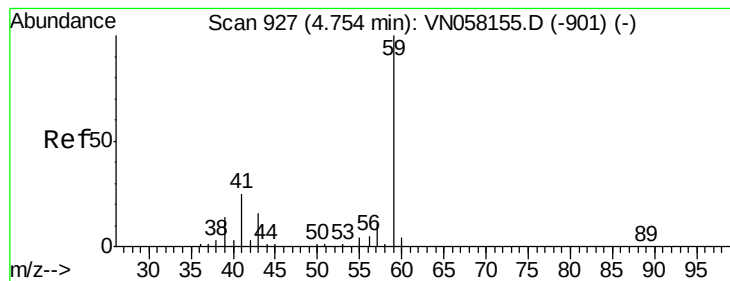
MMDadoda
9/25/2019 12:47:44 AM



#10
Methyl Iodide
Concen: 18.520 ug/l
RT: 3.94 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.1	37.5	56.3
141	14.4	11.4	17.2





#11

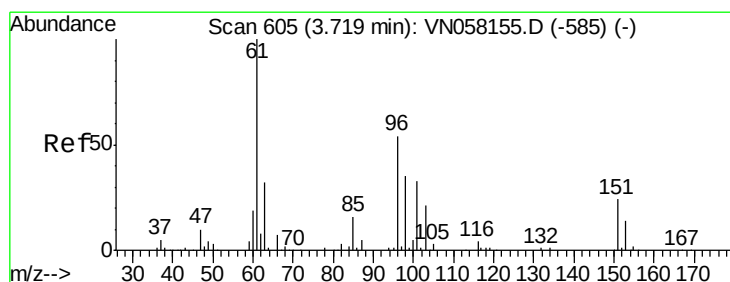
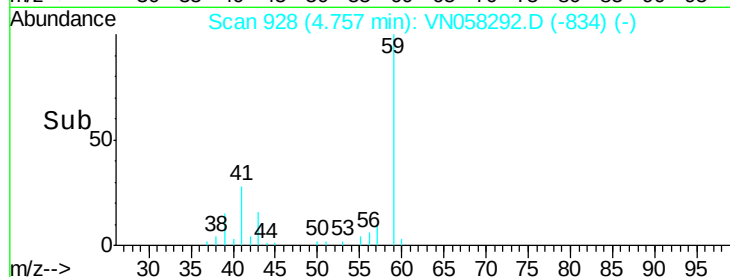
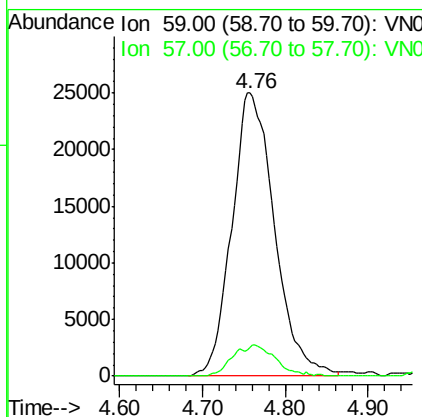
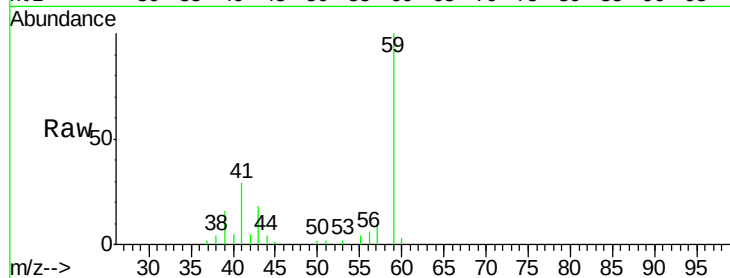
Tert butyl alcohol
 Concen: 122.336 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	89449		
57	6.0		8.6	13.0#

Manual Integrations
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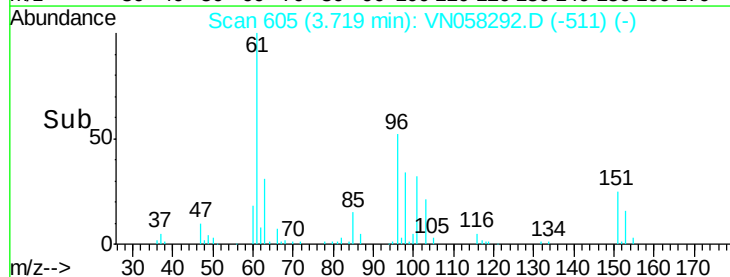
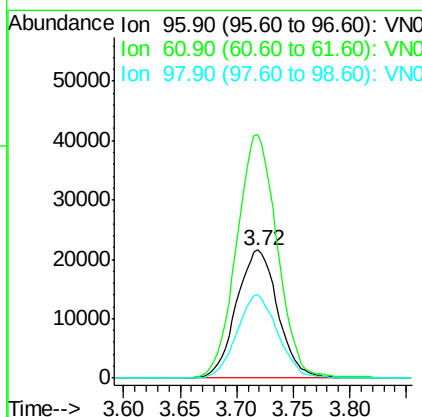
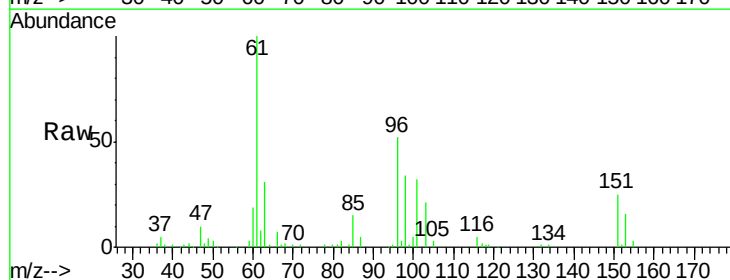
MMDadoda
 9/25/2019 12:47:44 AM

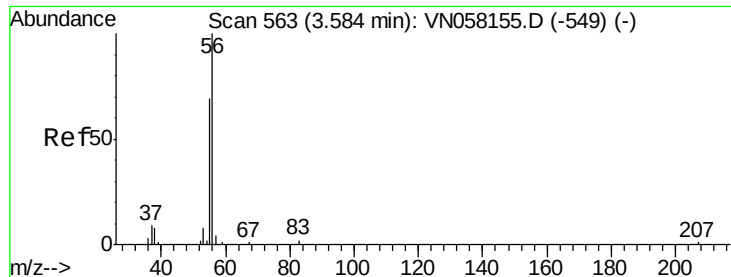


#12

1,1-Dichloroethene
 Concen: 20.070 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54917		
61	190.5		149.5	224.3
98	65.3		52.4	78.6





#13

Acrolein

Concen: 149.717 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleID :

VN0923MBSD01

Tot Ion: 56 Resp: 16223

Ion Ratio Lower Upper

56 100

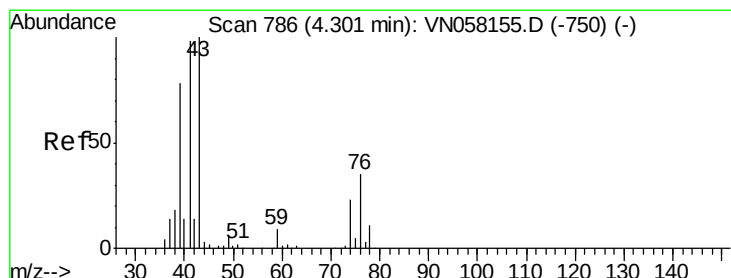
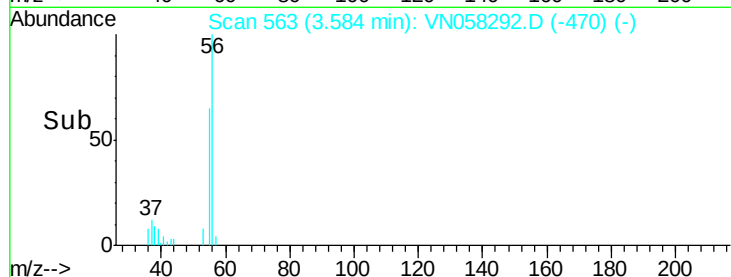
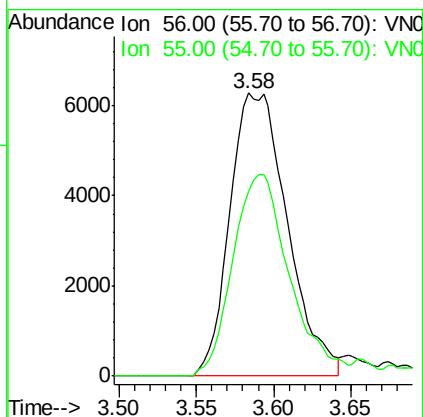
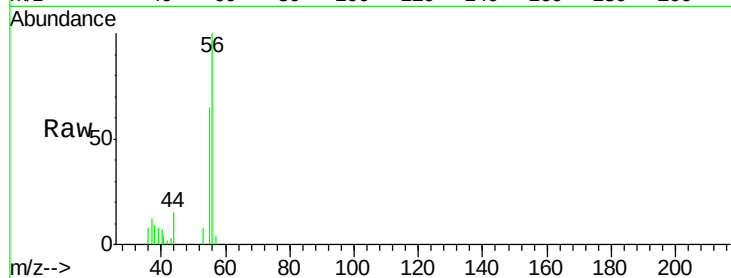
55 70.2 56.1 84.1

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#14

Allyl chloride

Concen: 19.337 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

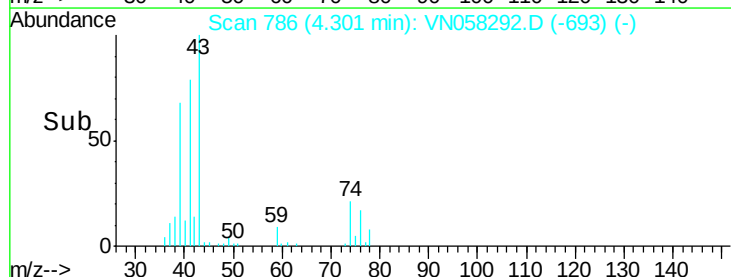
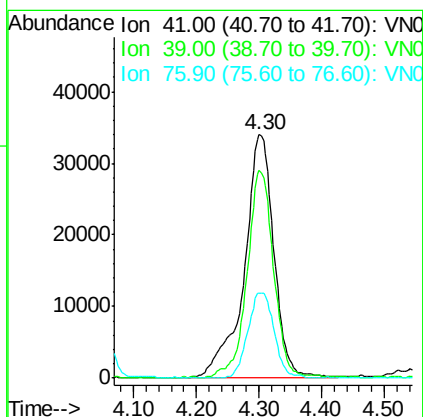
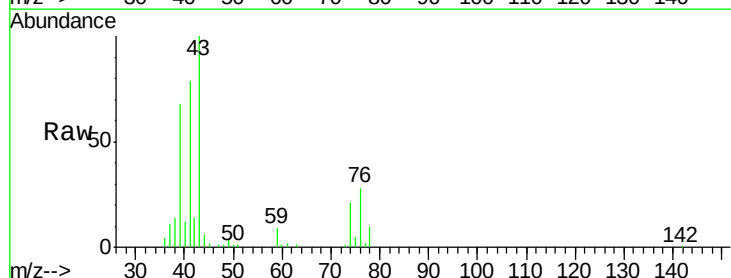
Tgt Ion: 41 Resp: 112894

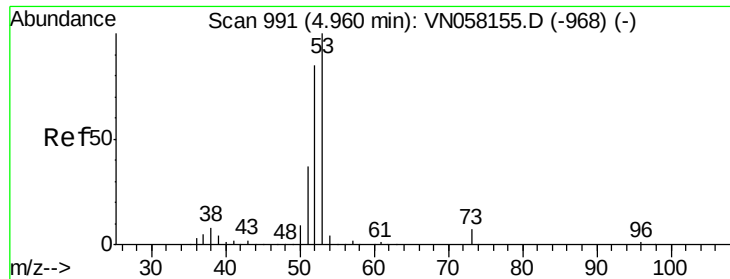
Ion Ratio Lower Upper

41 100

39 75.6 59.1 88.7

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 120.132 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

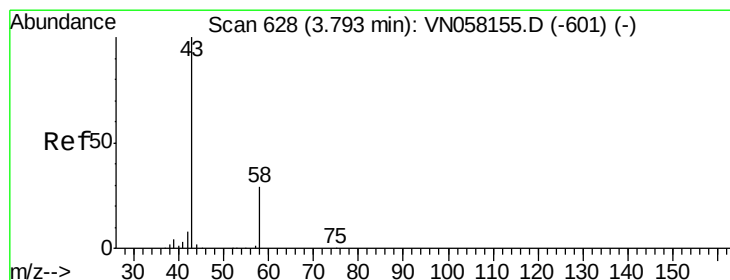
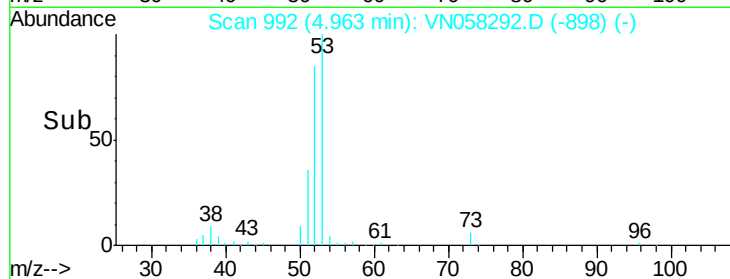
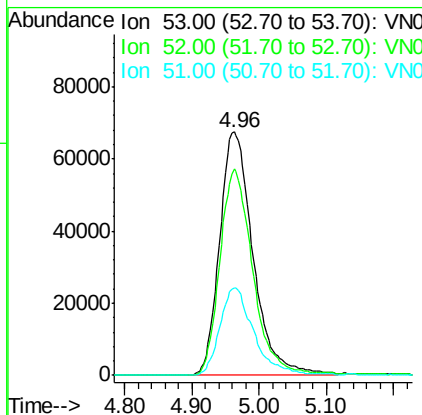
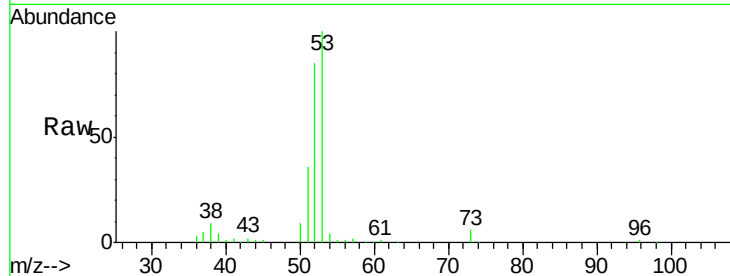
ClientSampleId :

VN0923MBS01

Tot Ion:	53	Resp:	234025
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 98.006 ug/l

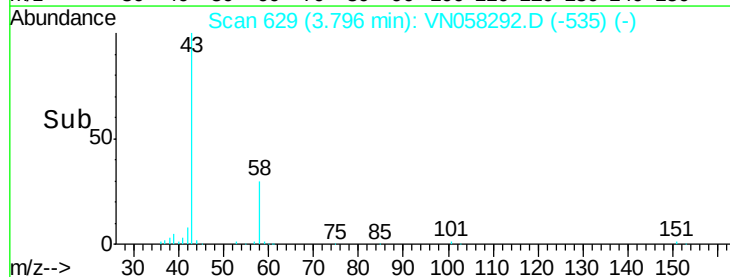
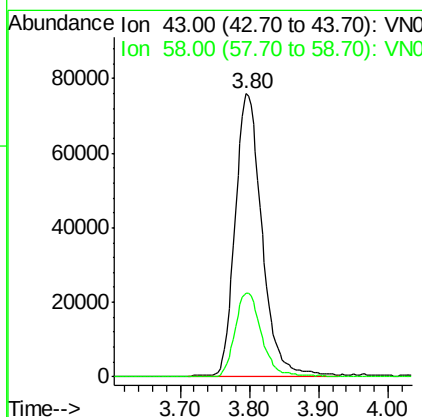
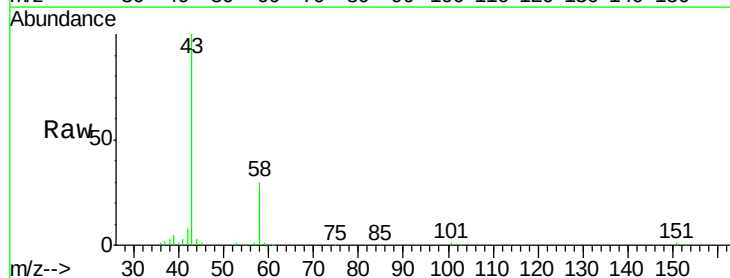
RT: 3.80 min Scan# 629

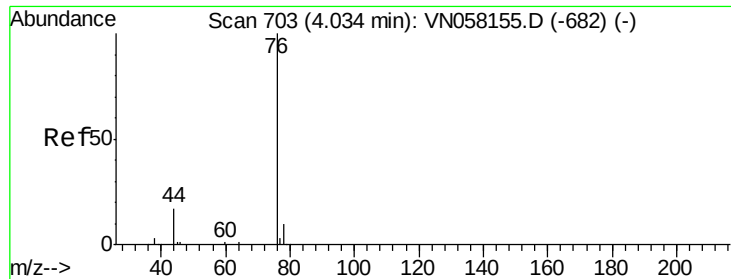
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	43	Resp:	204487
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.4	35.2





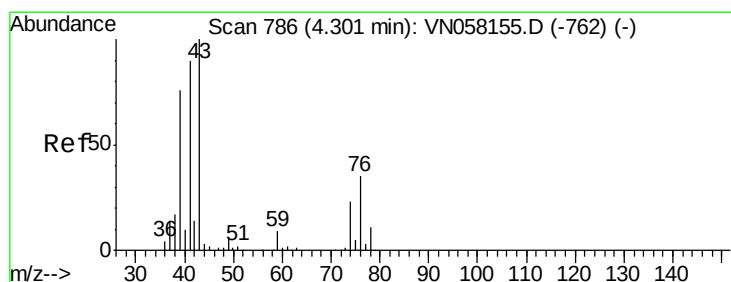
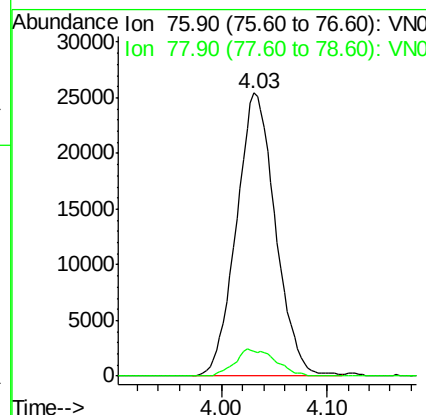
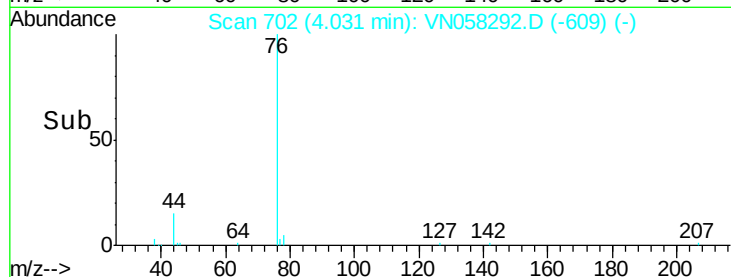
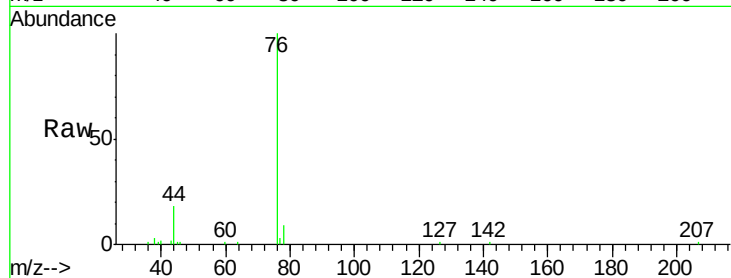
#17
Carbon Disulfide
Concen: 17.359 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion: 76 Resp: 65481
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5

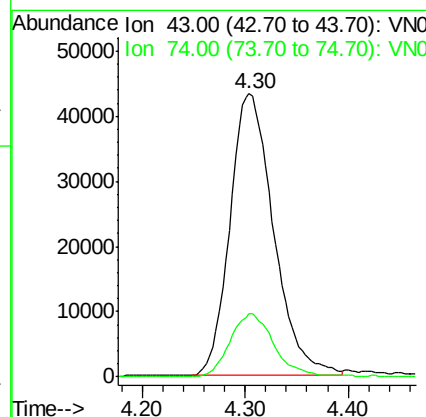
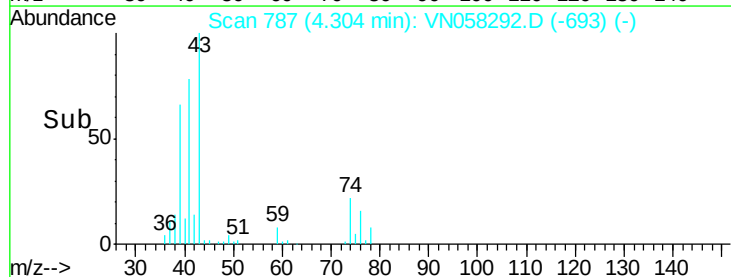
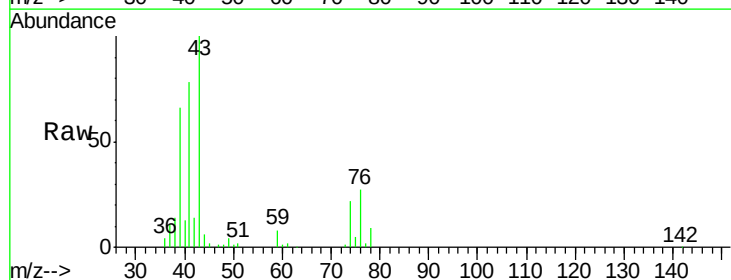
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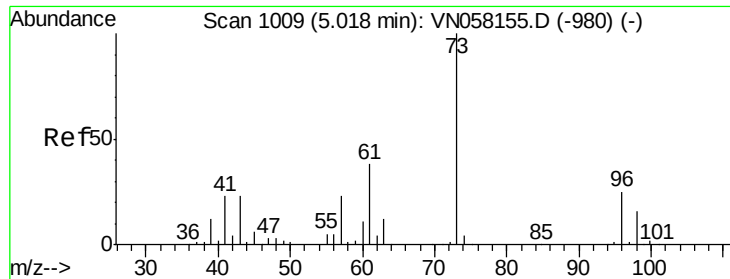
MMDadoda
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#18
Methyl Acetate
Concen: 23.215 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 43 Resp: 127454
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0





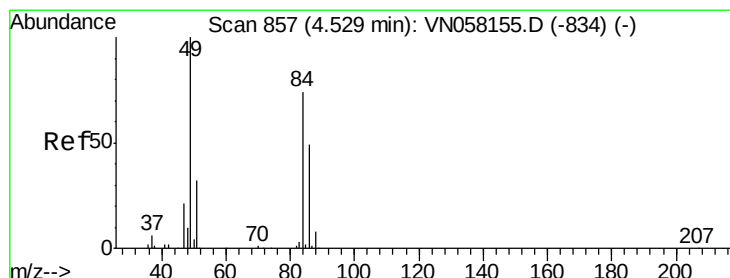
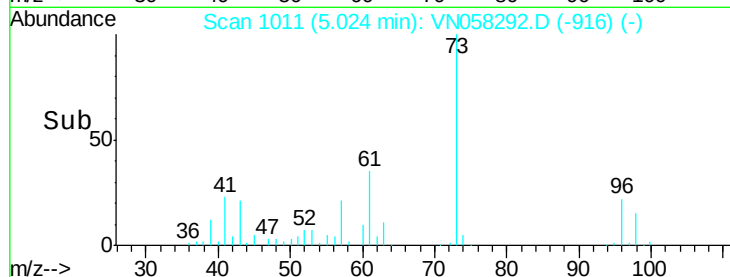
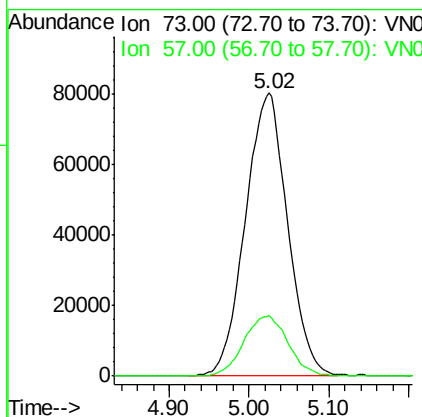
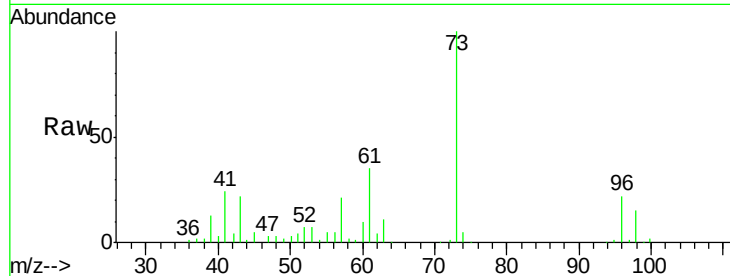
#19
Methyl tert-butyl Ether
Concen: 21.504 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion: 73 Resp: 289373
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1

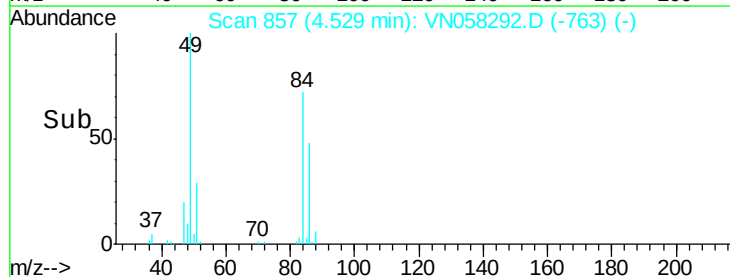
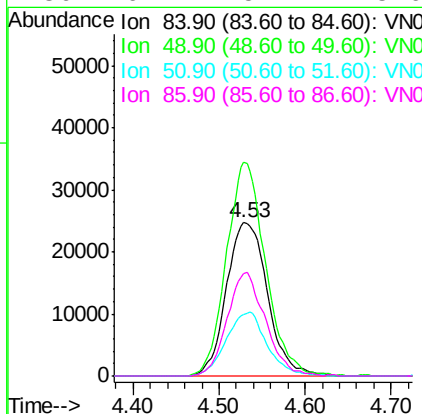
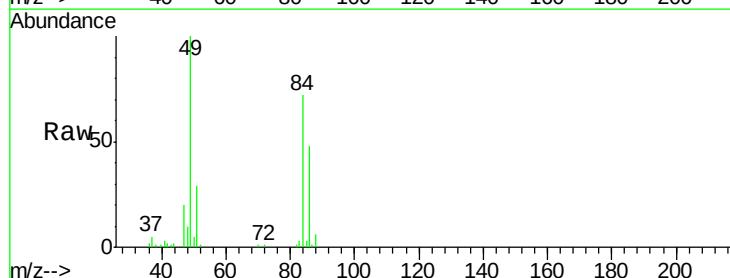
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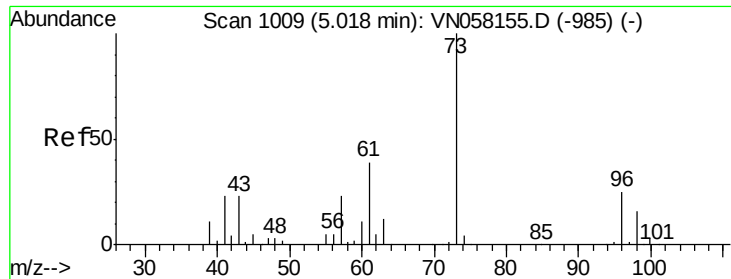
MMDadoda
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#20
Methylene Chloride
Concen: 22.309 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 84 Resp: 81943
Ion Ratio Lower Upper
84 100
49 139.5 107.5 161.3
51 40.4 33.9 50.9
86 67.1 52.4 78.6





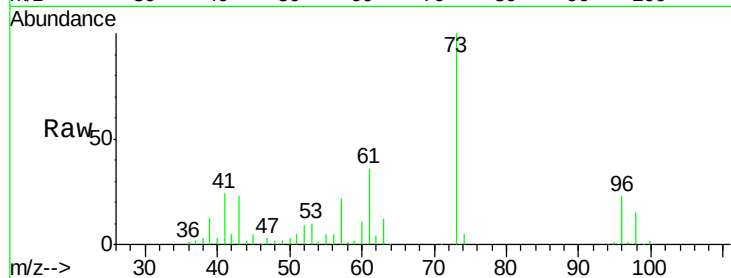
#21
trans-1,2-Dichloroethene
Concen: 19.902 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

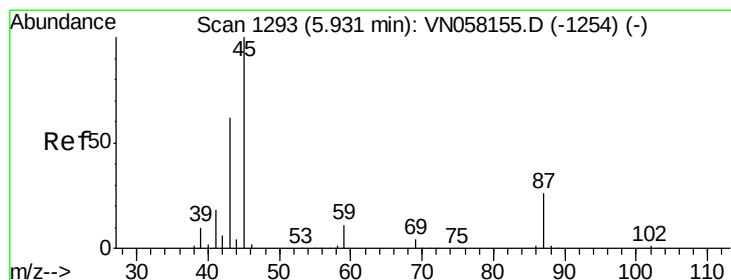
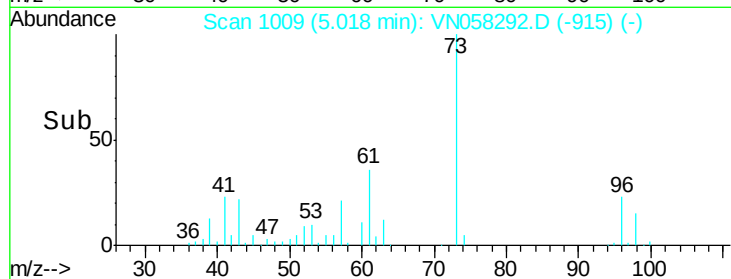
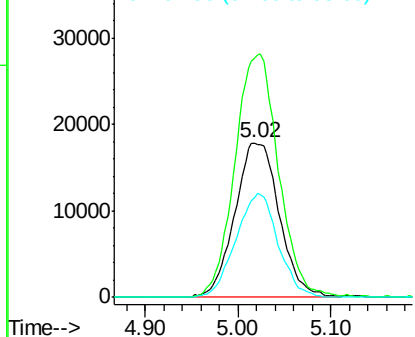
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	122.2	183.4
98	65.2	49.9	74.9

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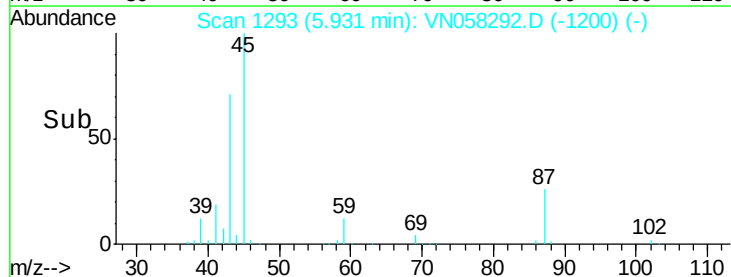
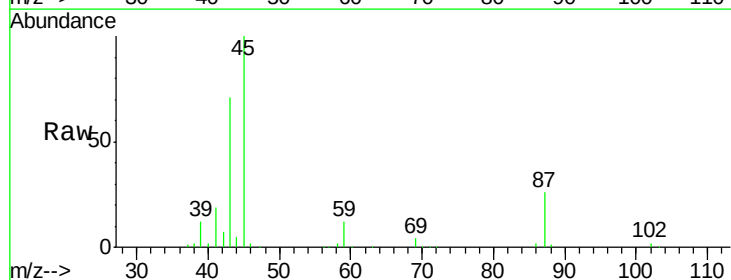
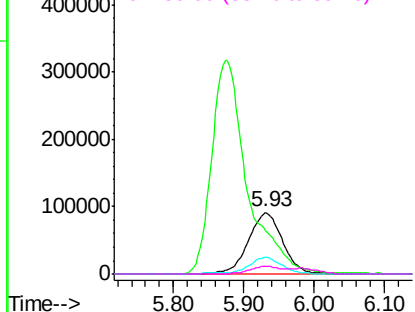
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

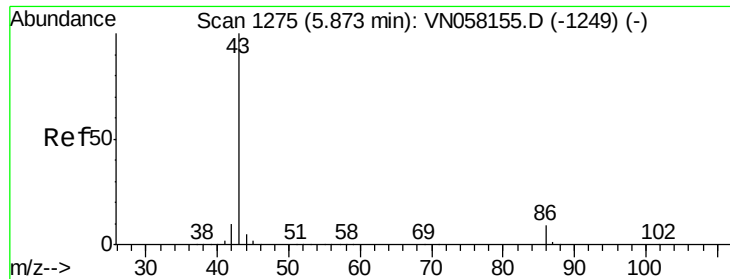


#22
Diisopropyl ether
Concen: 20.890 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.3	49.7	74.5
87	26.3	20.7	31.1
59	11.7	9.1	13.7

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





#23

Vinyl Acetate

Concen: 110.040 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0923MBS01

Tot Ion: 43 Resp: 1116628

Ion Ratio Lower Upper

43 100

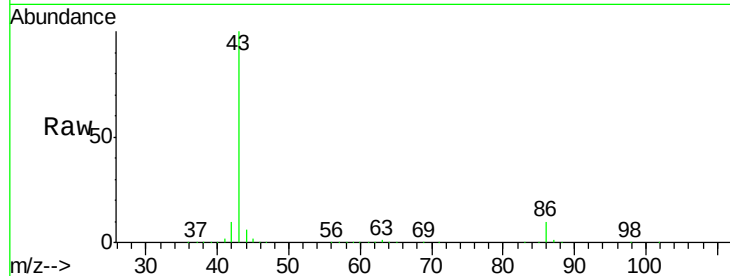
86 9.7 7.4 11.2

Manual Integrations

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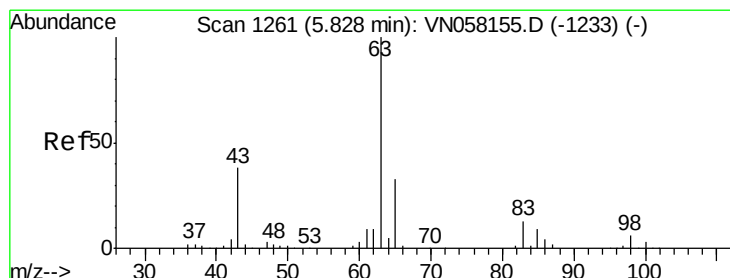
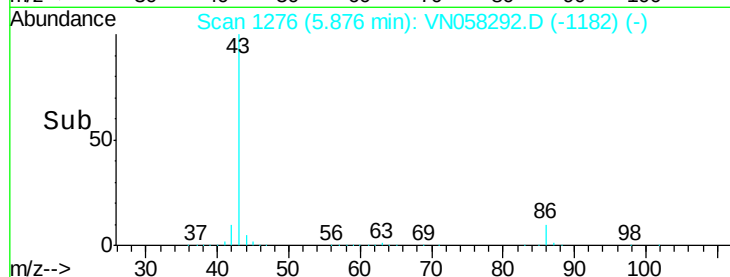
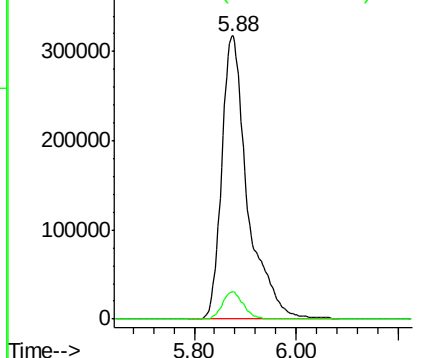
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.352 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

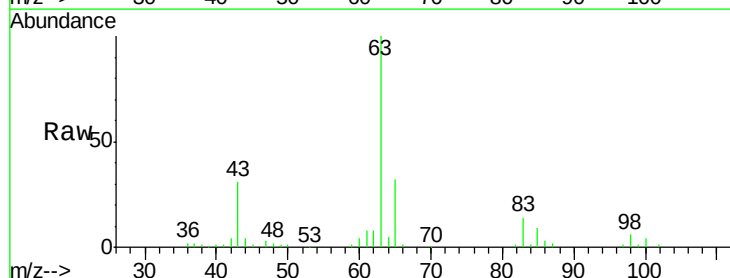
Tgt Ion: 63 Resp: 161089

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

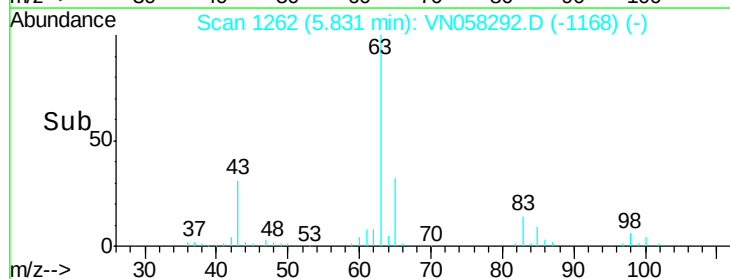
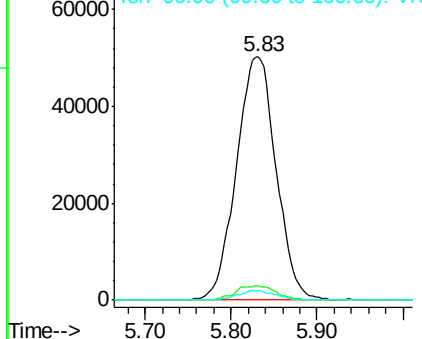
100 3.7 1.8 5.3

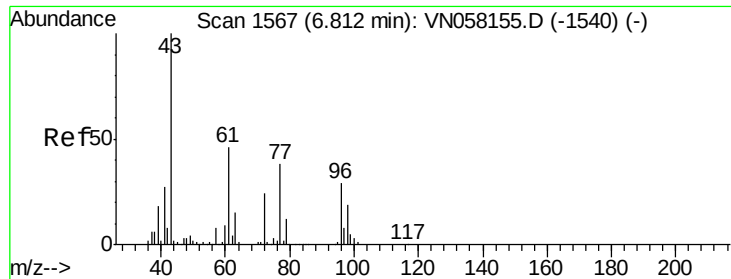


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 113.077 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion: 43 Resp: 321430

Ion Ratio Lower Upper

43 100

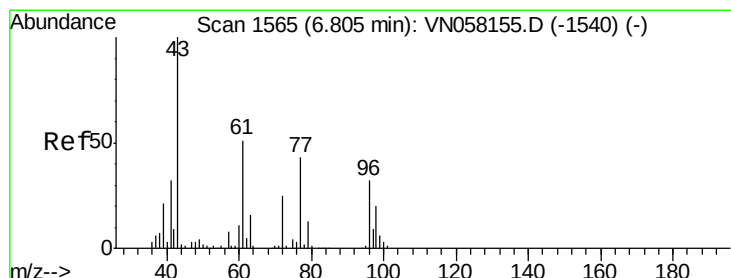
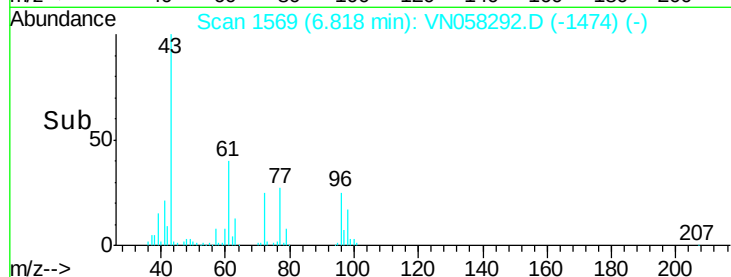
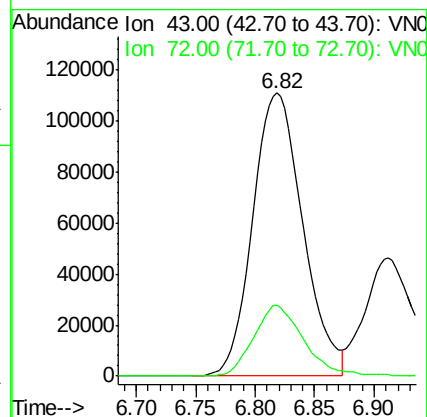
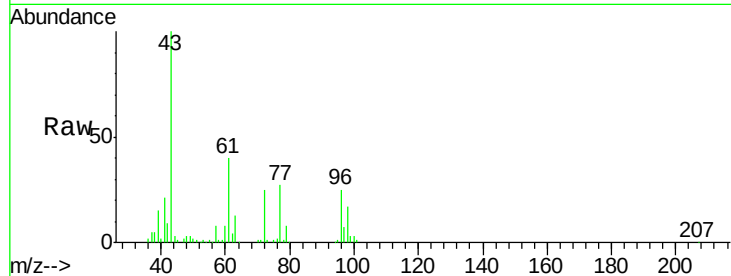
72 25.3 19.5 29.3

Manual Integrations

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9/25/2019 12:47:44 AM



#26

2,2-Dichloropropane

Concen: 16.682 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058292.D

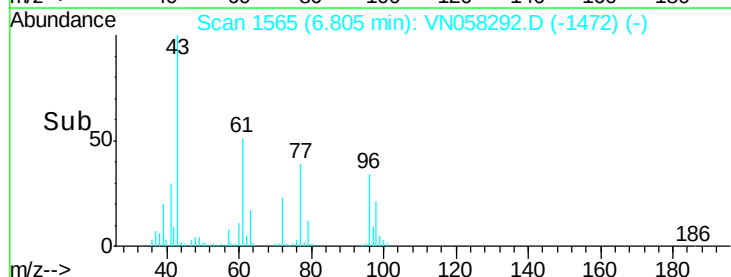
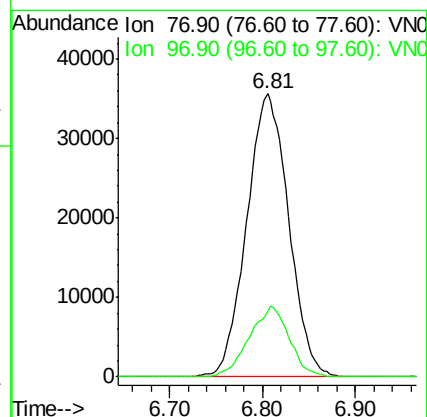
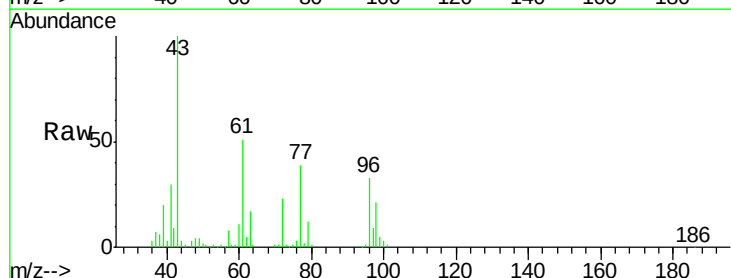
Acq: 23 Sep 2019 15:07

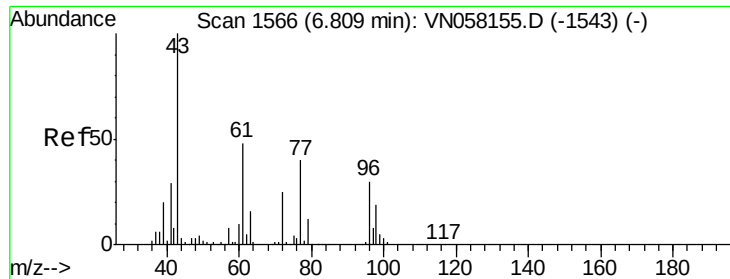
Tgt Ion: 77 Resp: 112018

Ion Ratio Lower Upper

77 100

97 23.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.121 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

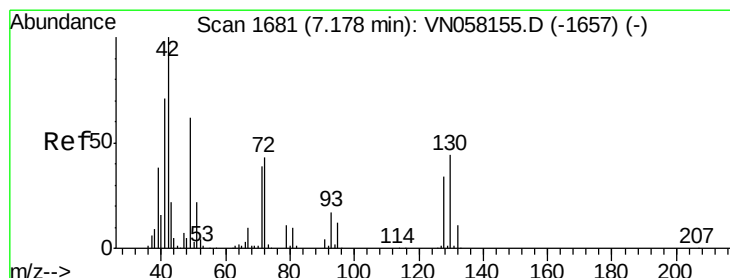
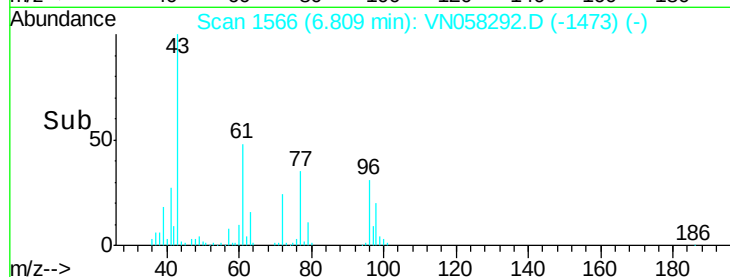
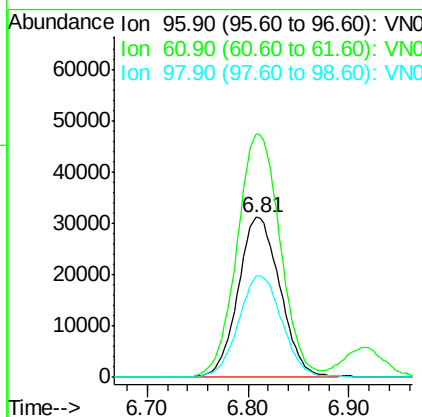
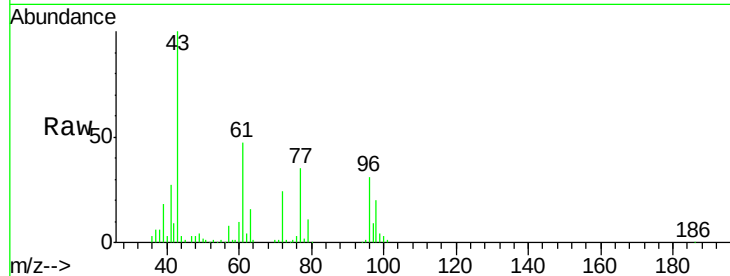
ClientSampleId :

VN0923MBS01

Tot Ion:	96	Resp:	90052
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	319.0
98	65.3	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 22.661 ug/l

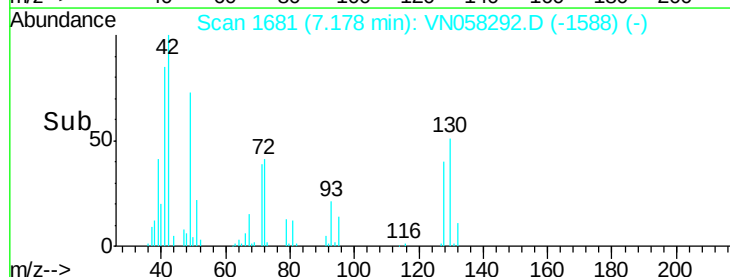
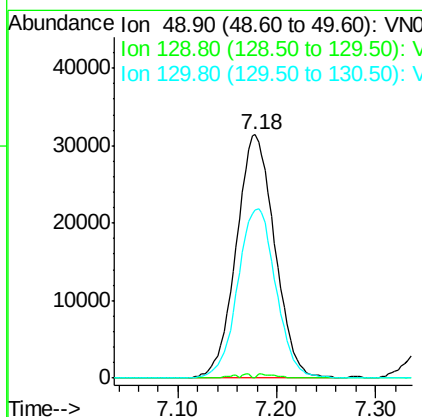
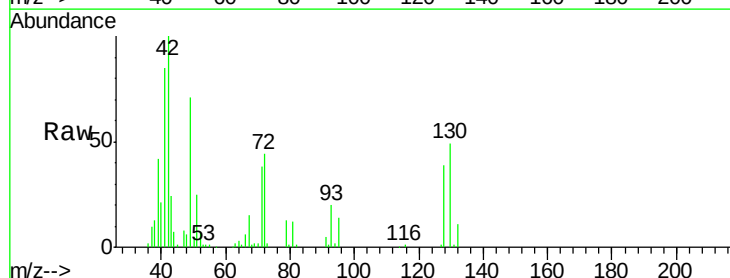
RT: 7.18 min Scan# 1681

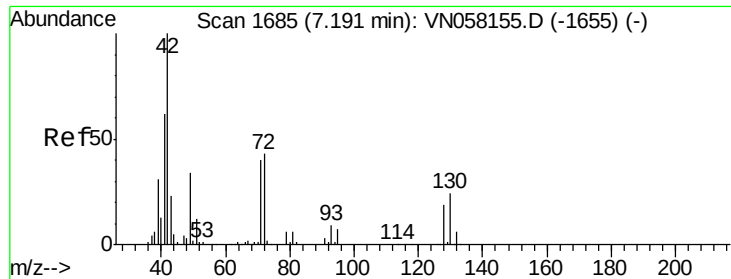
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	49	Resp:	84849
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.8
130	69.1	55.4	83.2





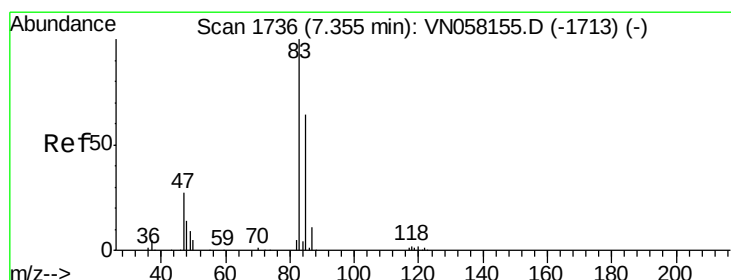
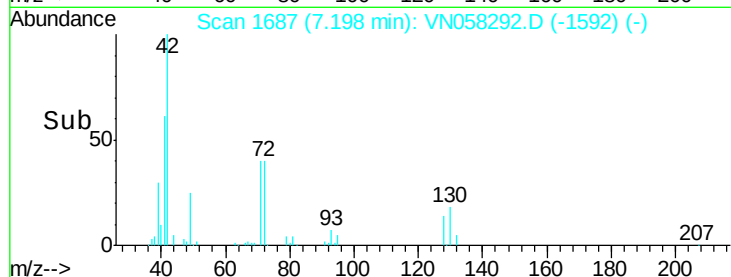
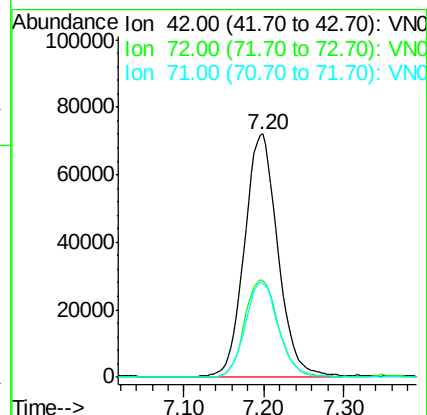
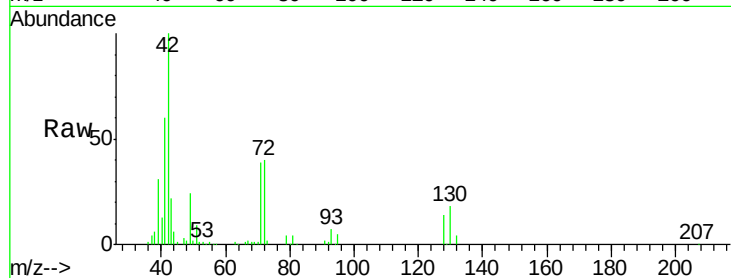
#29
Tetrahydrofuran
Concen: 117.118 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.8	50.6
71	38.3	31.4	47.0

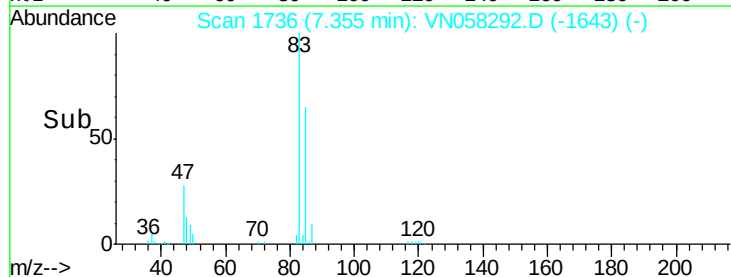
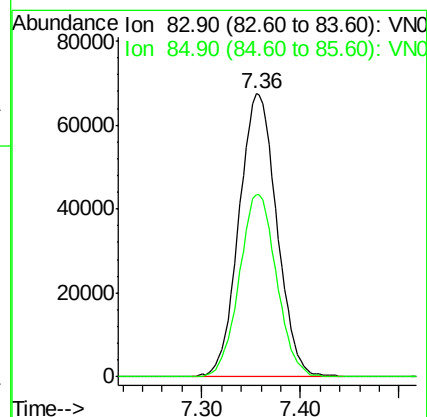
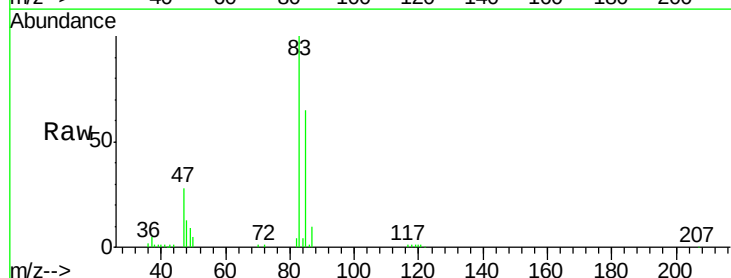
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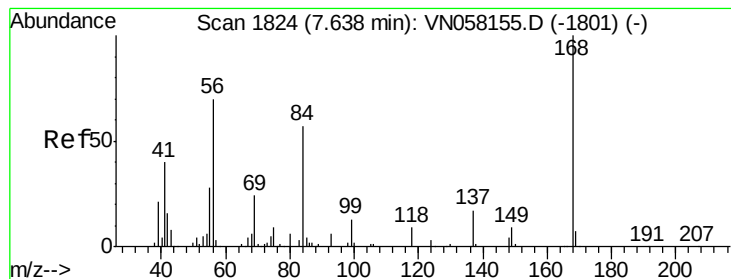
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#30
Chloroform
Concen: 21.055 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2





#31

Cyclohexane

Concen: 19.452 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

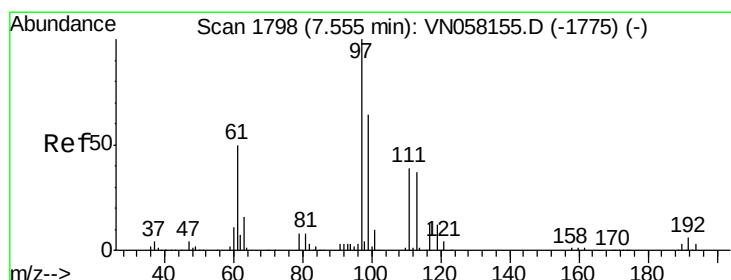
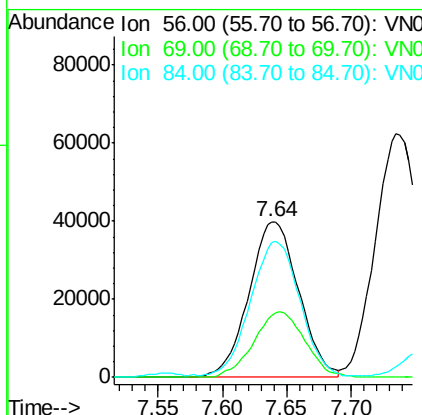
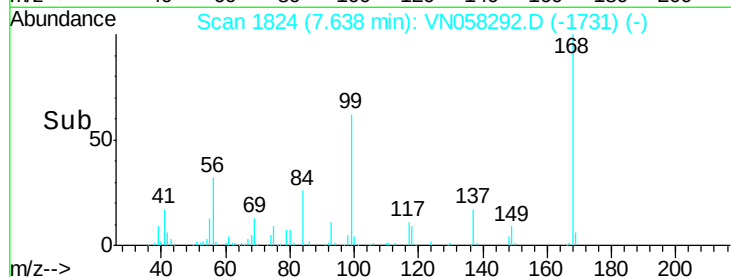
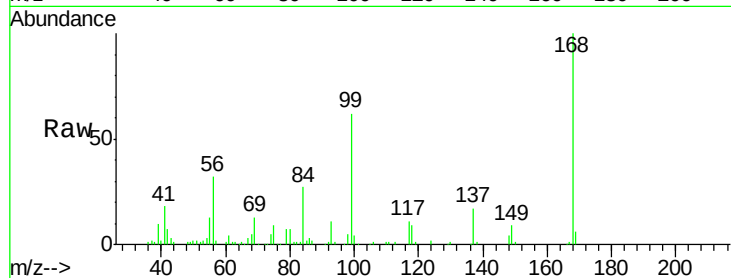
ClientSampled :

VN0923MBSD01

Tot Ion:	56	Resp:	107067
Ion Ratio	Lower	Upper	
56	100		
69	40.0	27.3	40.9
84	84.9	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.016 ug/l

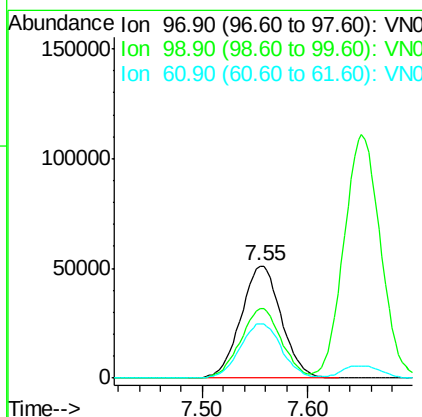
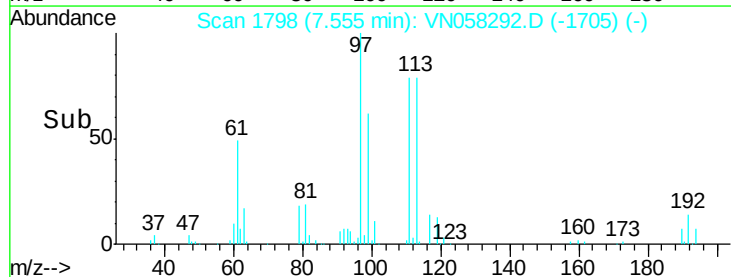
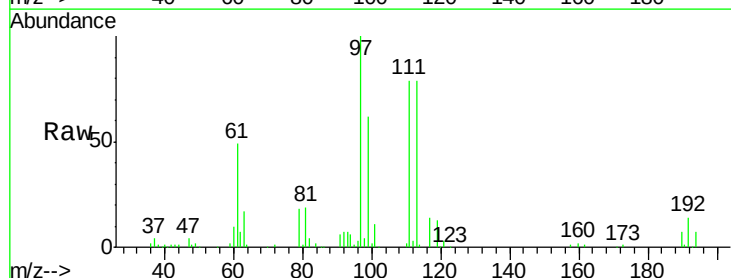
RT: 7.55 min Scan# 1798

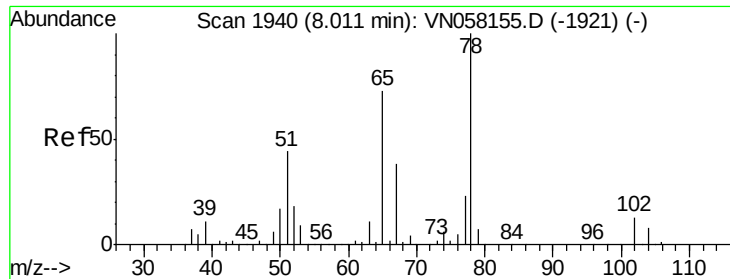
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	97	Resp:	136309
Ion Ratio	Lower	Upper	
97	100		
99	62.4	50.9	76.3
61	49.5	39.2	58.8





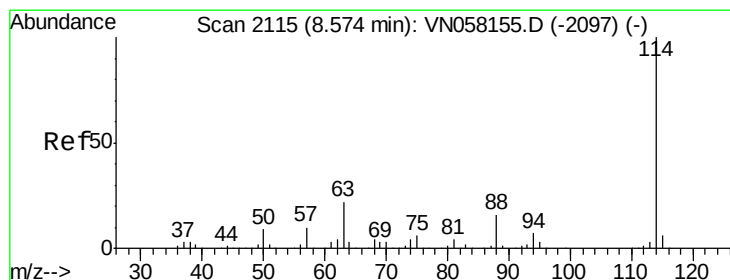
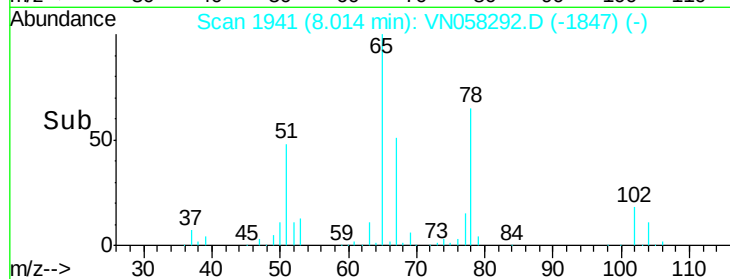
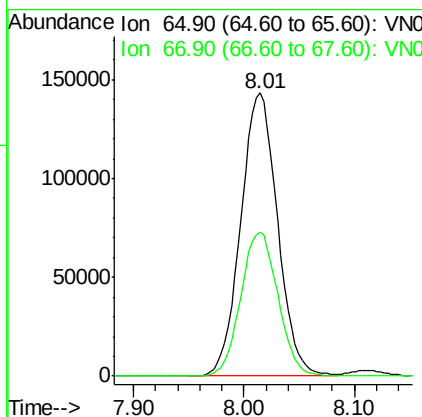
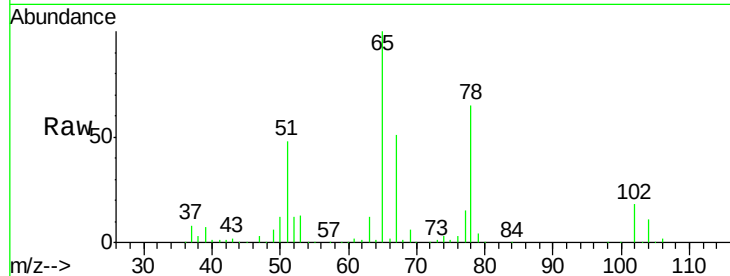
#33
 1,2-Dichloroethane-d4
 Concen: 54.037 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion: 65 Resp: 332156
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.4

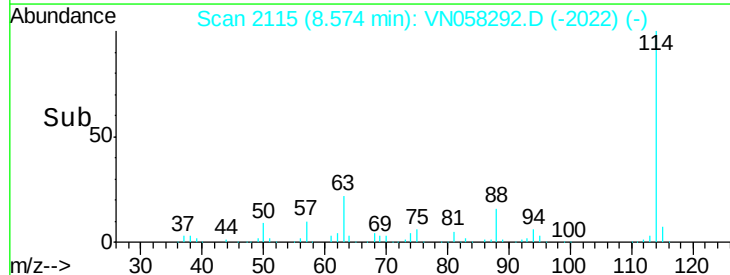
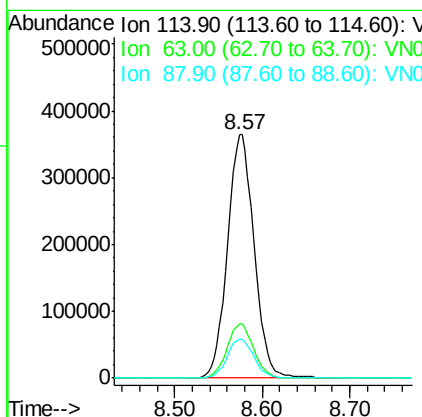
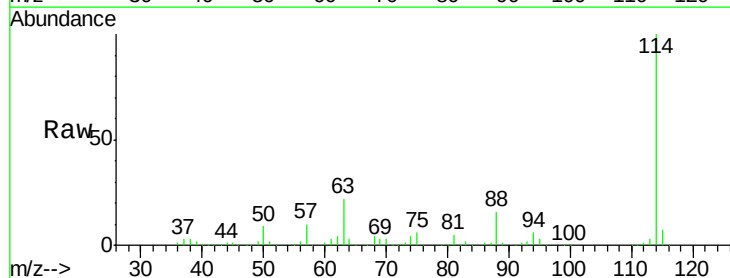
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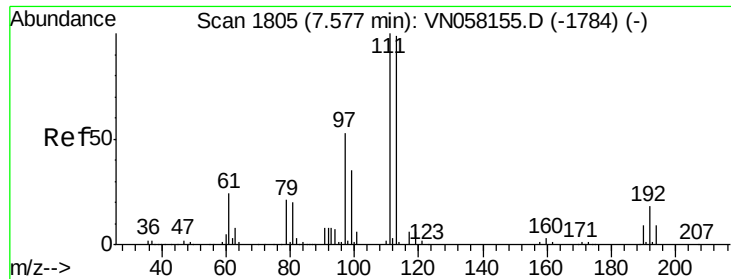
MMDadoda
 9/25/2019 12:47:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 114 Resp: 770212
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.2
 88 16.2 0.0 31.6





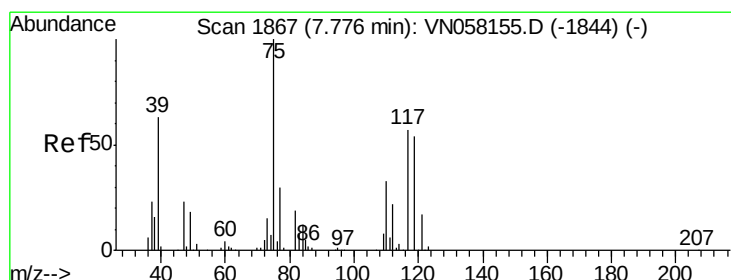
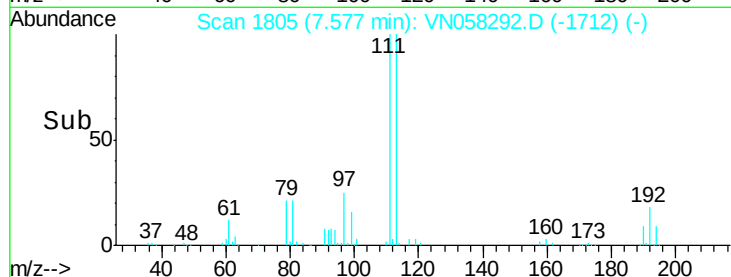
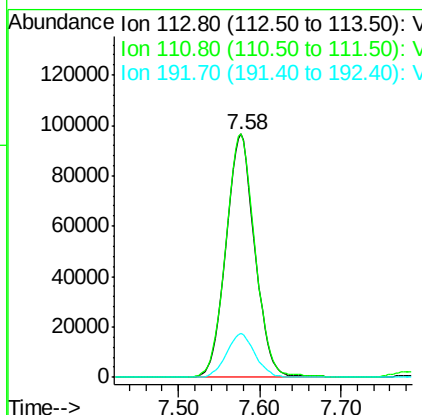
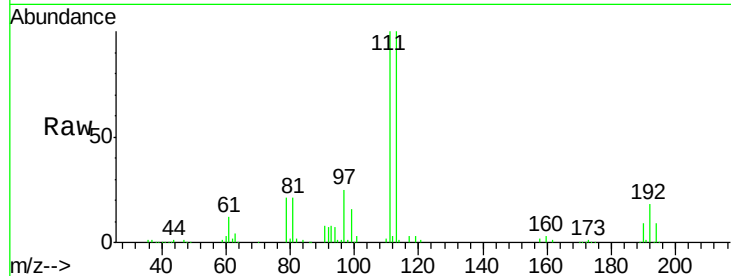
#35
 Dibromofluoromethane
 Concen: 51.015 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238866		
111	101.5	81.8	122.6	
192	17.9	14.5	21.7	

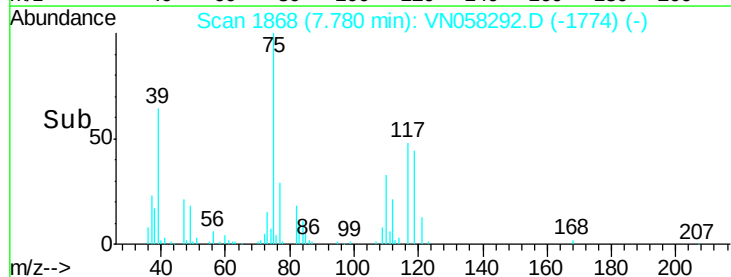
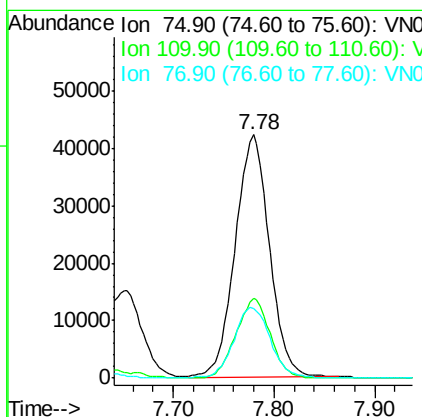
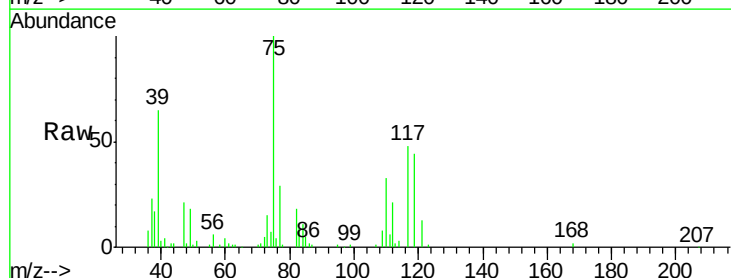
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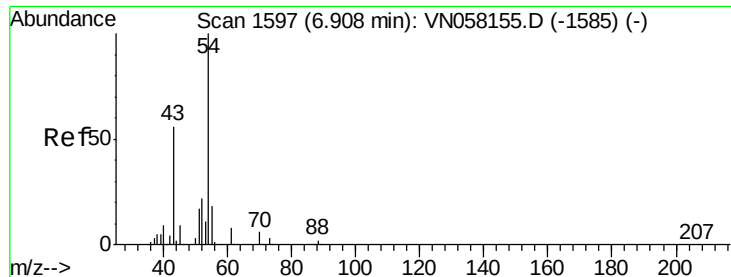
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#36
 1,1-Dichloropropene
 Concen: 17.935 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99619		
110	32.8	16.6	49.7	
77	31.1	24.3	36.5	





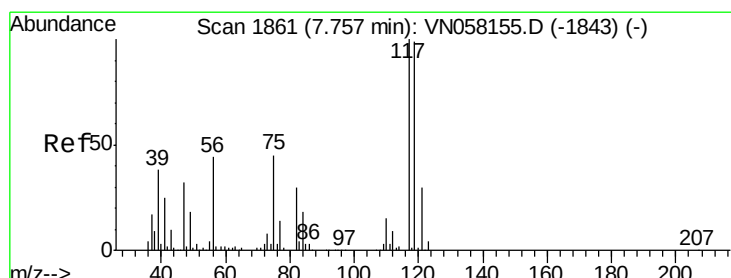
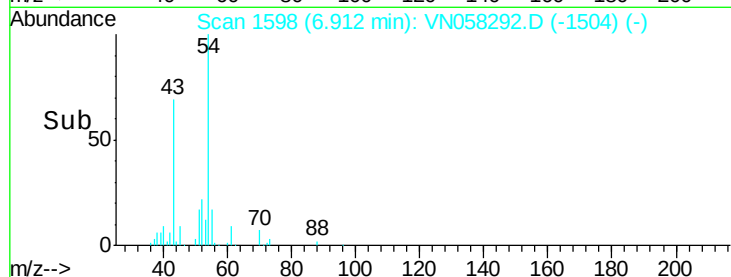
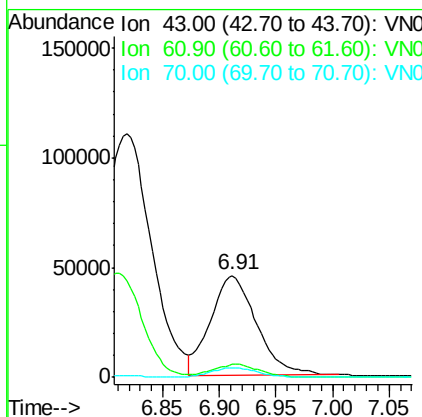
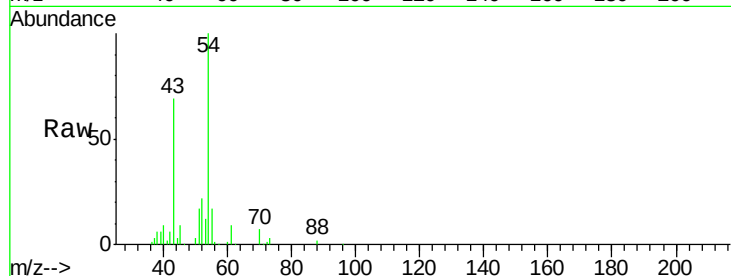
#37
Ethyl Acetate
Concen: 22.409 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.7	7.6	11.4

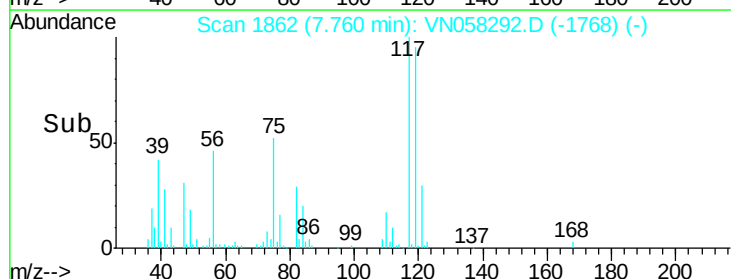
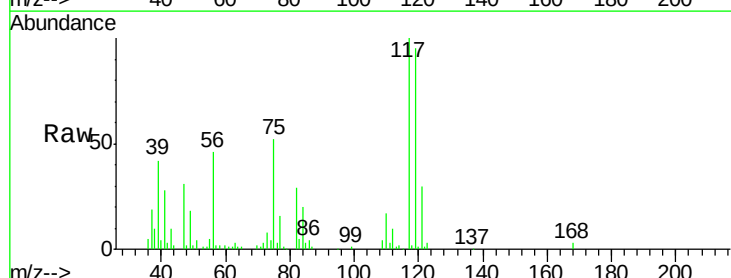
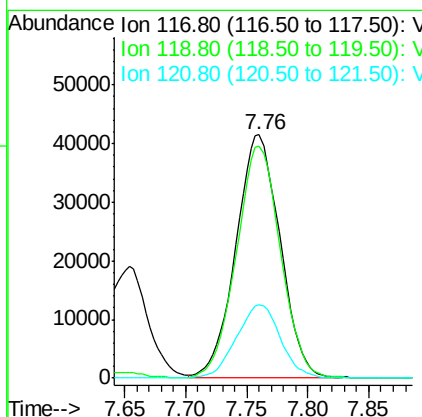
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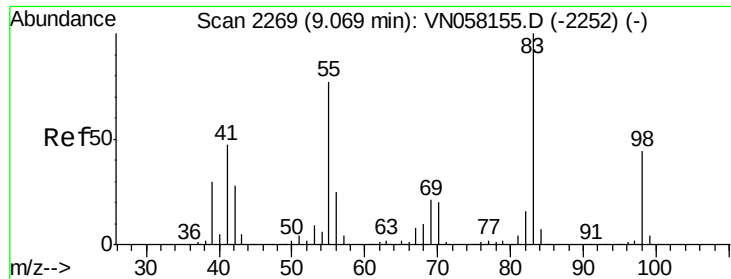
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#38
Carbon Tetrachloride
Concen: 18.689 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.6	117.8
121	30.4	24.1	36.1





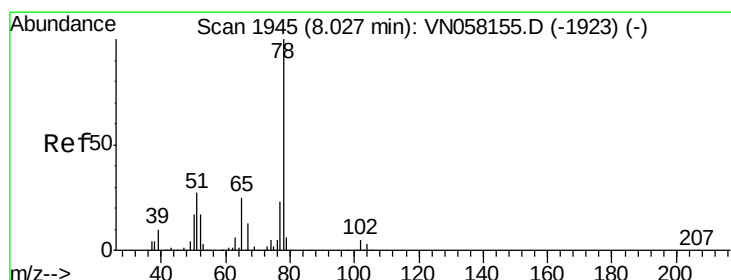
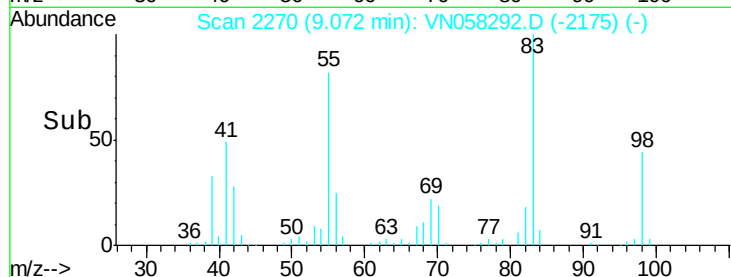
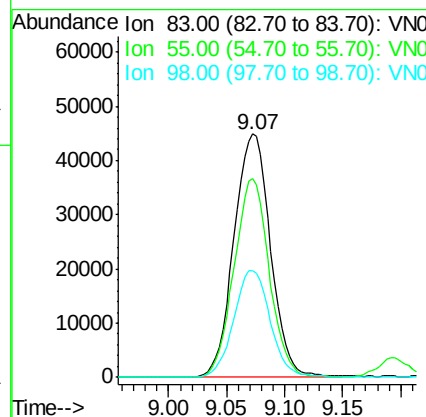
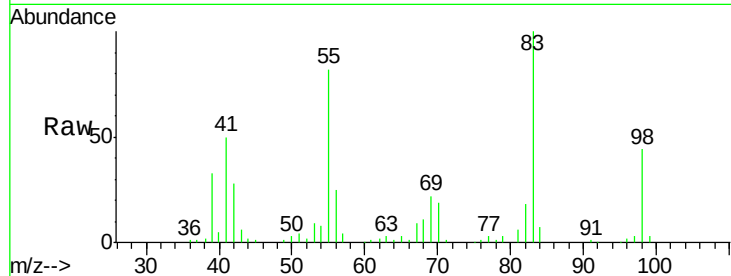
#39
Methylvlcyclohexane
Concen: 18.389 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	83.00	Resp	98513
Ion Ratio	100	Lower	Upper
83	100		
55	81.7	61.9	92.9
98	43.9	35.4	53.2

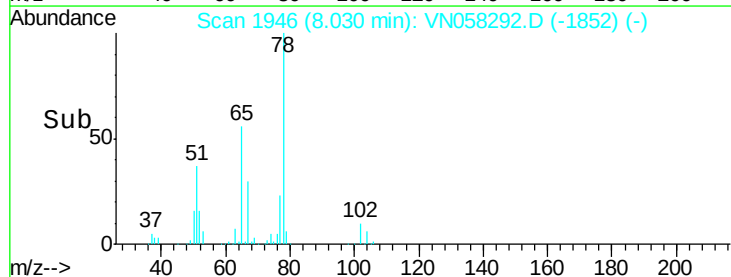
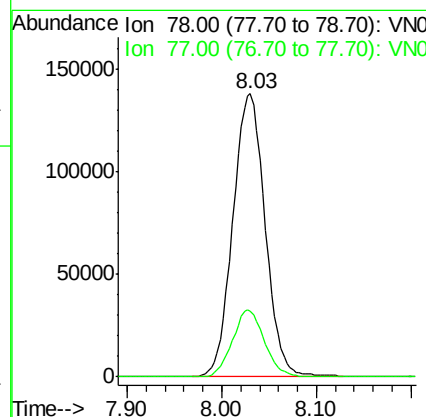
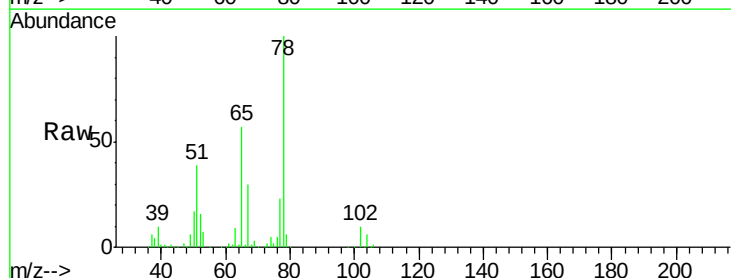
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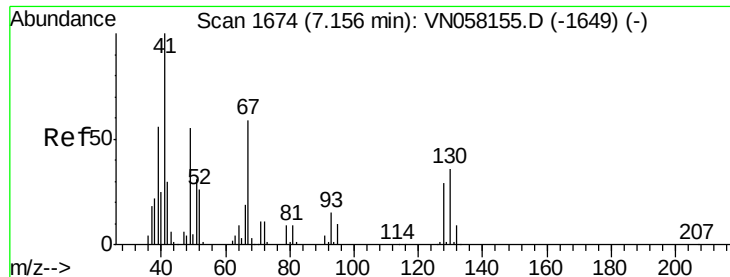
MMDadoda
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#40
Benzene
Concen: 19.321 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	78.00	Resp	327778
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.8	28.2





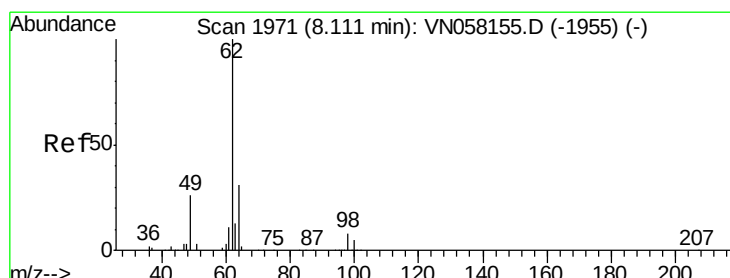
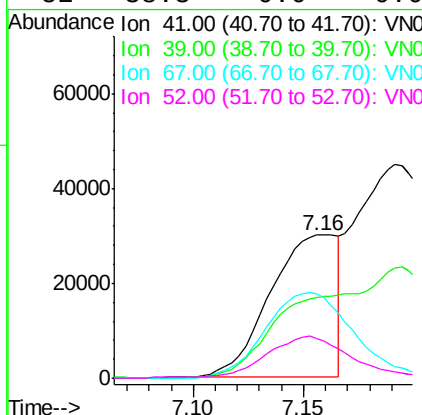
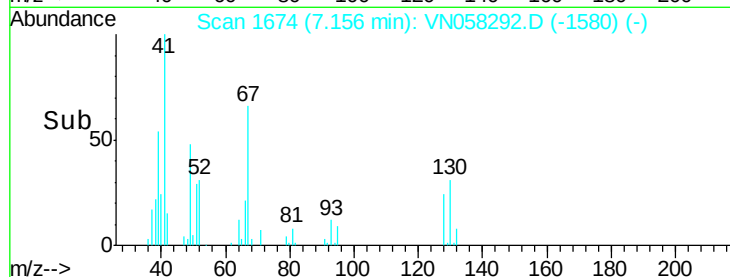
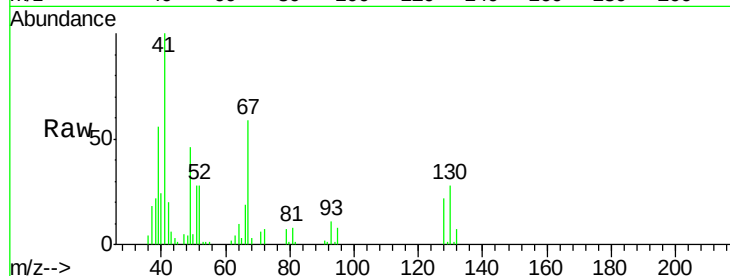
#41
Methacrylonitrile
Concen: 22.423 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	41	Resp	63627
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	79.3	0.0	0.0#
52	38.3	0.0	0.0#

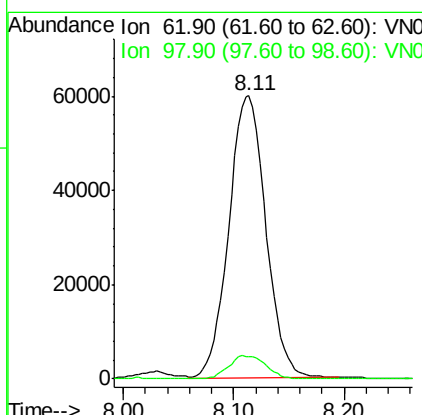
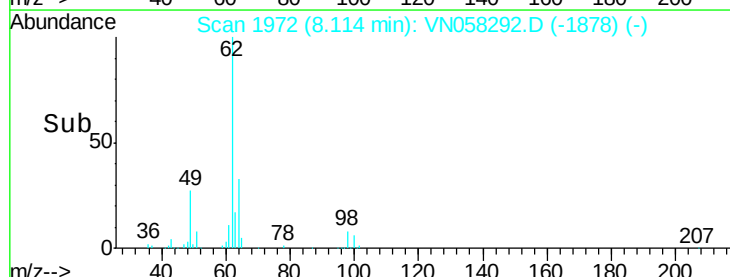
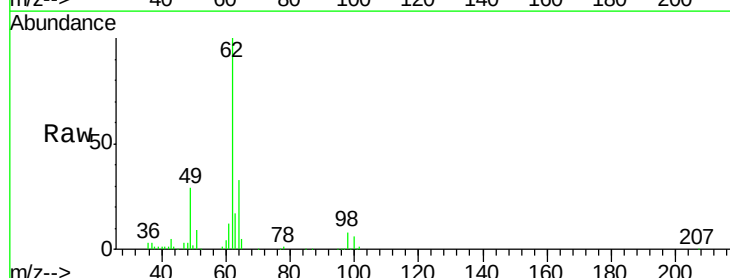
Manual Integrations
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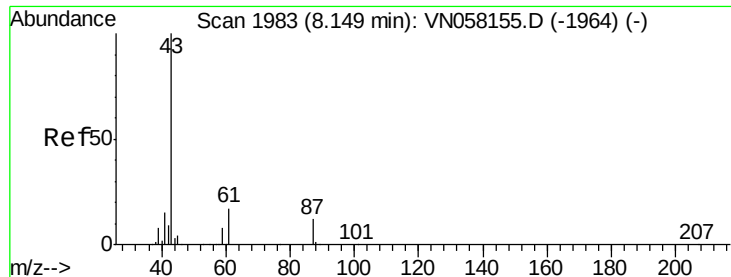
MMDadoda
9/25/2019 12:47:44 AM



#42
1,2-Dichloroethane
Concen: 19.598 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	62	Resp	139512
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.852 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

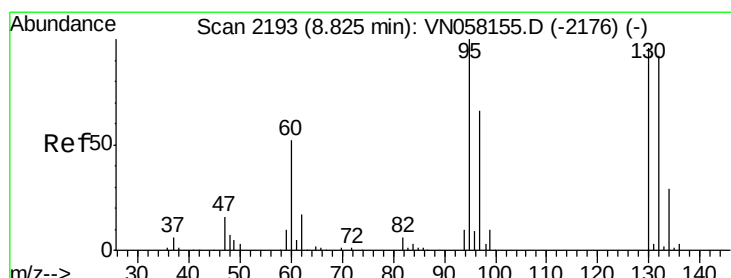
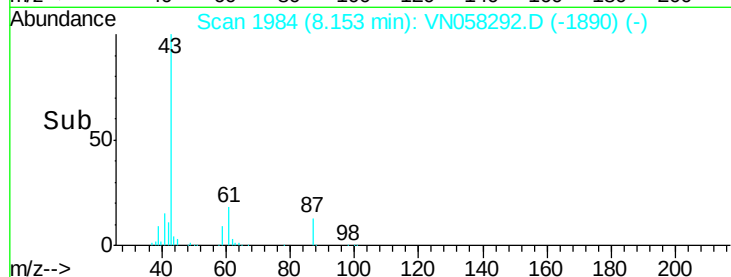
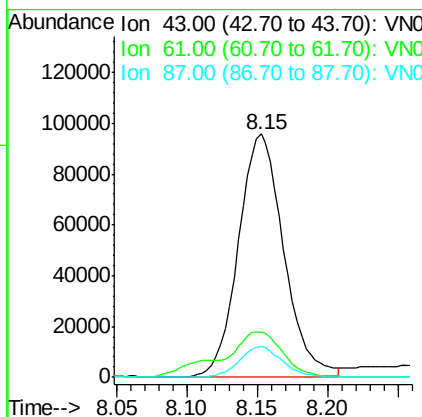
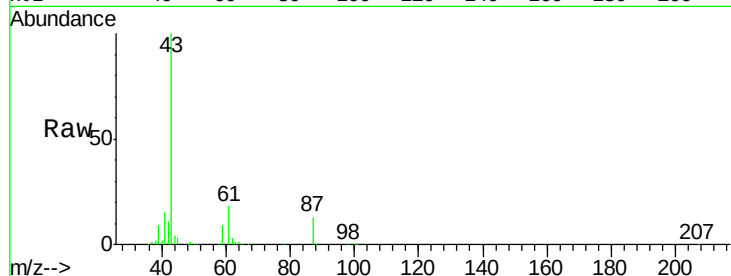
ClientSampleId :

VN0923MBSD01

Tot Ion:	43	Resp:	213713
Ion	Ratio	Lower	Upper
43	100		
61	18.5	19.7	29.5#
87	12.1	9.4	14.2

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#44

Trichloroethene

Concen: 19.078 ug/l

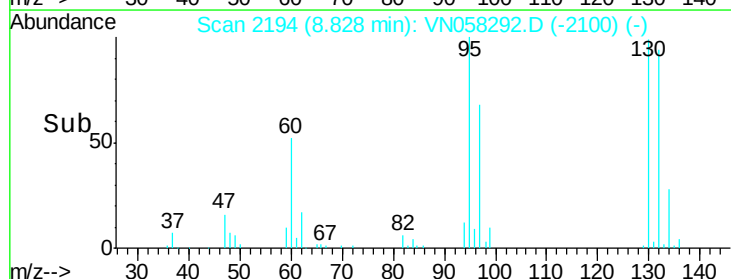
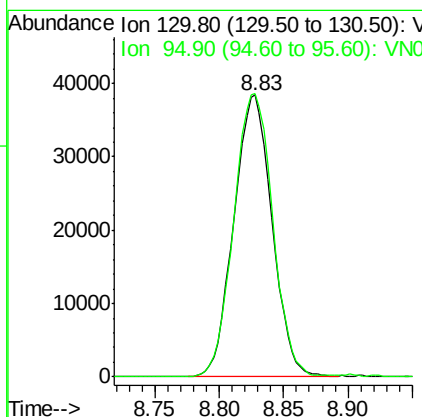
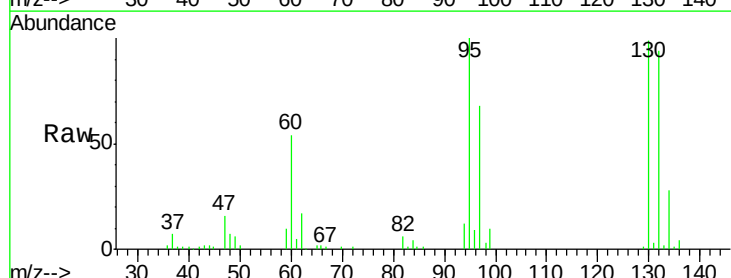
RT: 8.83 min Scan# 2194

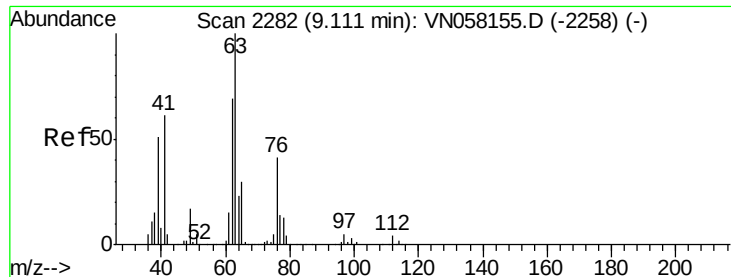
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	130	Resp:	79201
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	207.8





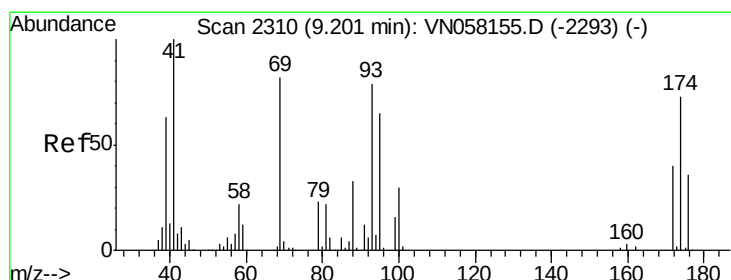
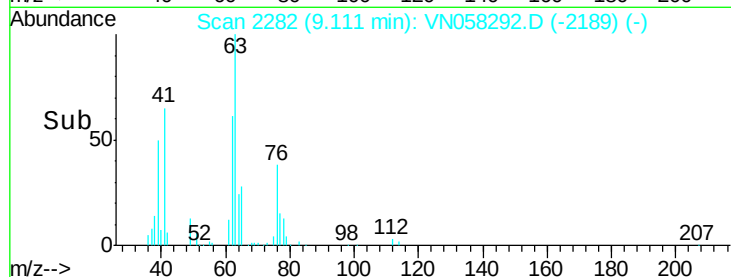
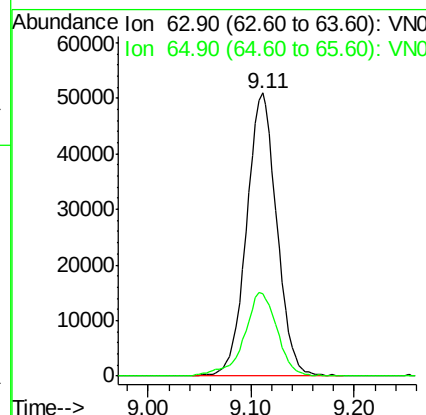
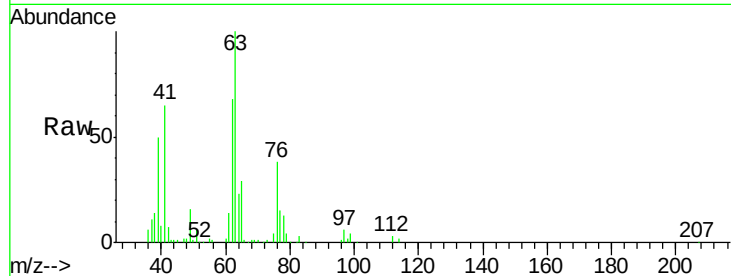
#45
 1,2-Dichloropropane
 Concen: 20.401 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	23.8	35.6

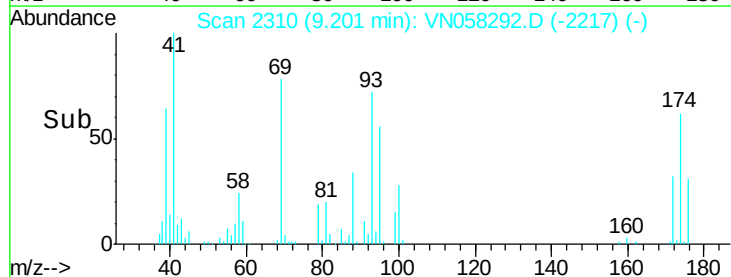
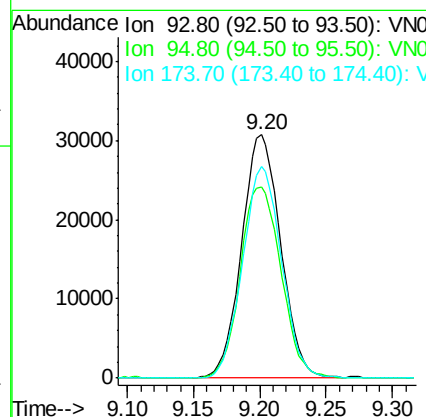
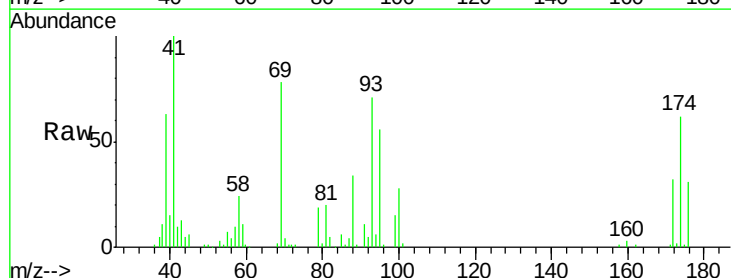
Manual Integrations
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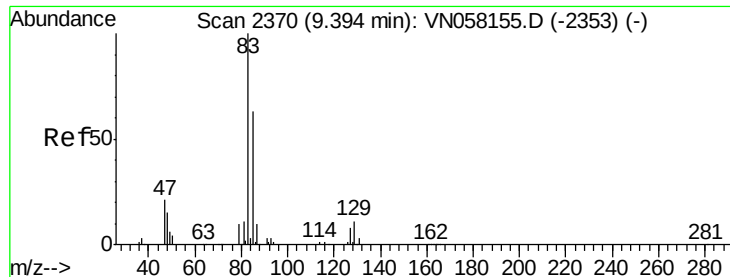
MMDadoda
 9/25/2019 12:47:44 AM



#46
 Dibromomethane
 Concen: 20.461 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.8	100.2
174	86.9	73.8	110.8





#47

Bromodichloromethane

Concen: 20.000 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

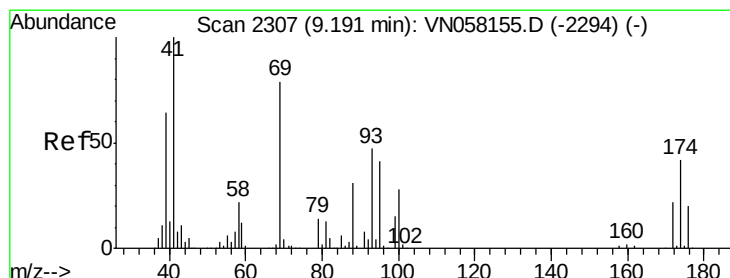
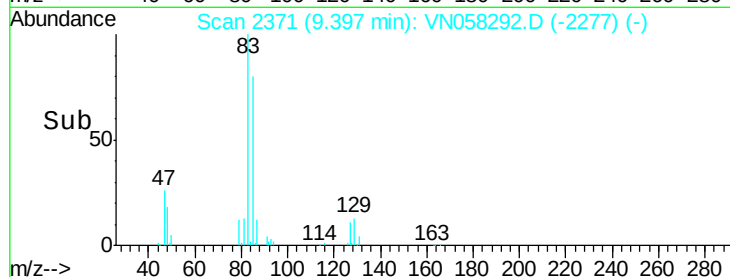
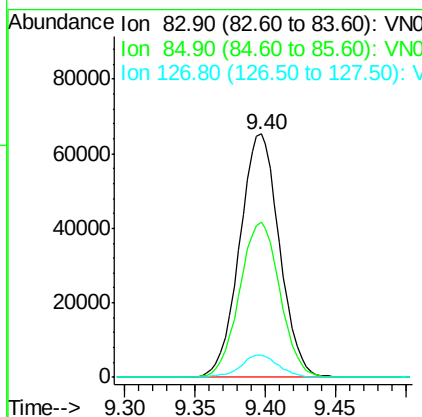
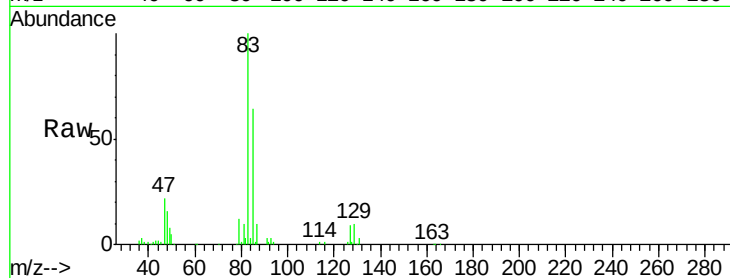
ClientSampleId :

VN0923MBSD01

Tot Ion:	83	Resp:	129062
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.1	75.1
127	8.9	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.048 ug/l

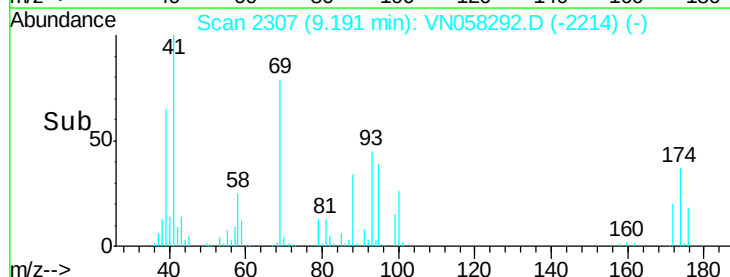
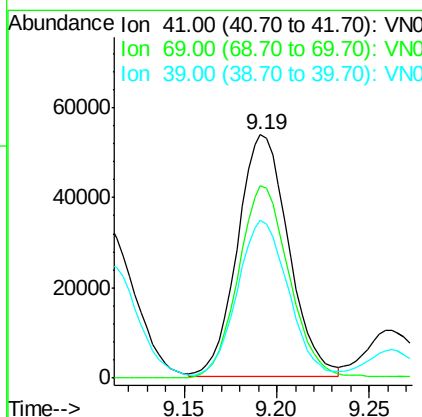
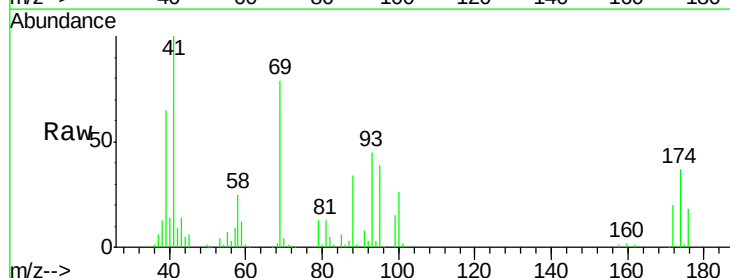
RT: 9.19 min Scan# 2307

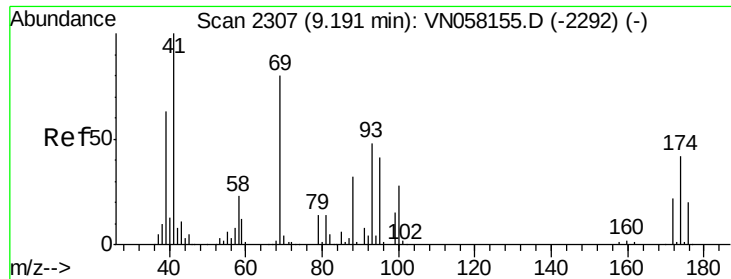
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	41	Resp:	102880
Ion Ratio	Lower	Upper	
41	100		
69	79.5	62.5	93.7
39	65.0	52.3	78.5





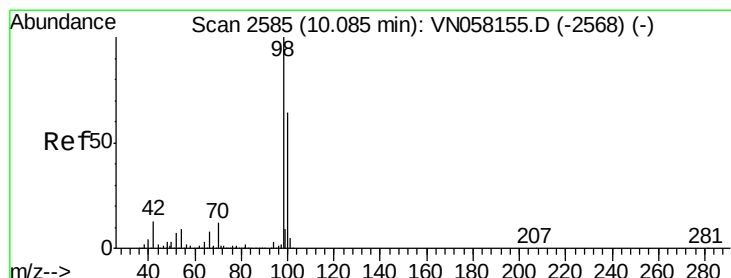
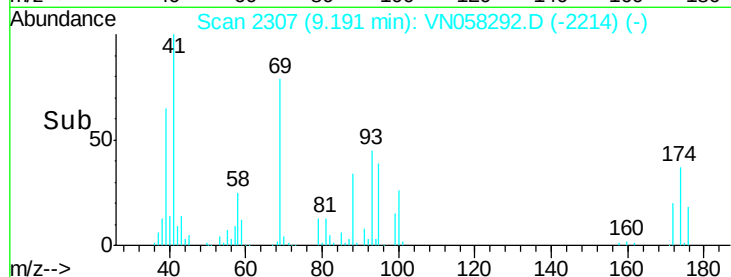
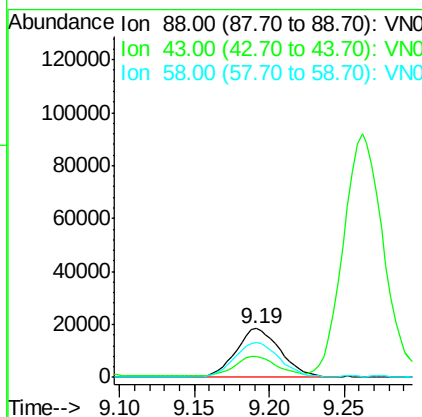
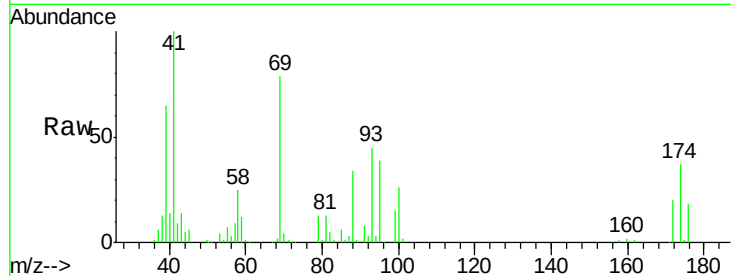
#49
1,4-Dioxane
Concen: 473.981 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	88	Resp	38037
Ion	Ratio	Lower	Upper
88	100		
43	38.4	27.8	41.8
58	72.7	55.0	82.4

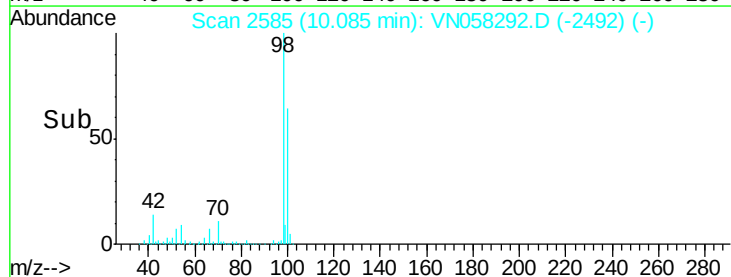
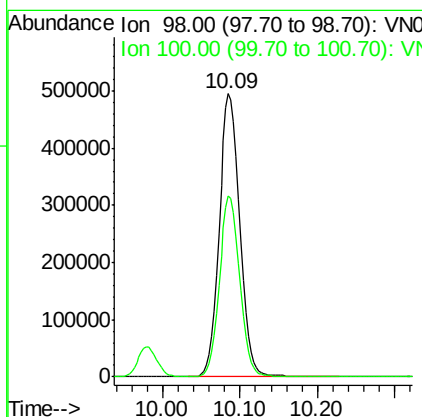
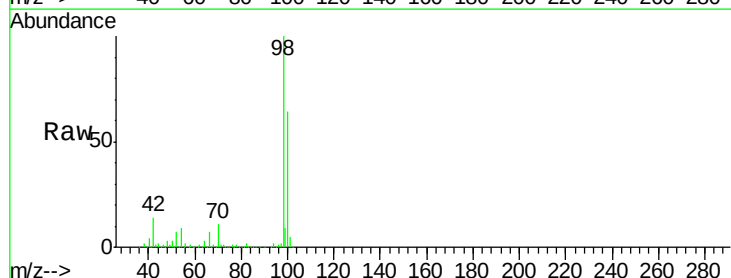
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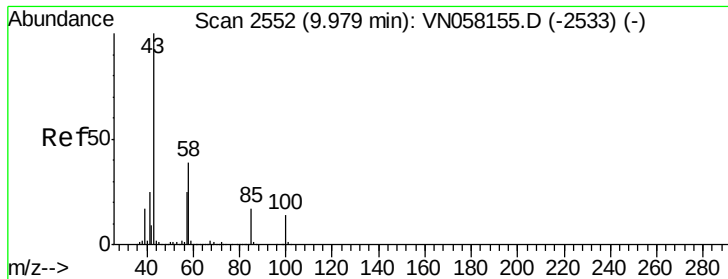
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#50
Toluene-d8
Concen: 50.369 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	98	Resp	918878
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 122.950 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion: 43 Resp: 703032

Ion Ratio Lower Upper

43 100

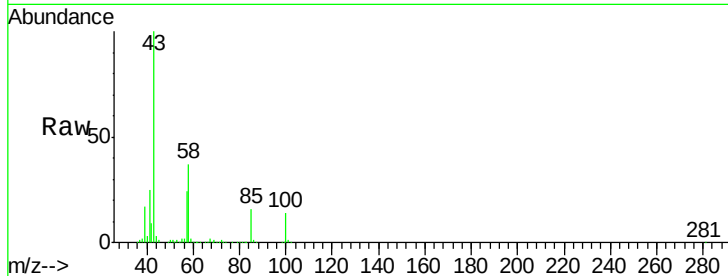
58 36.8 30.2 45.4

Manual Integrations

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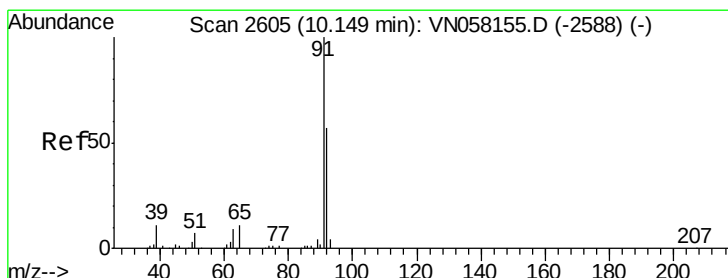
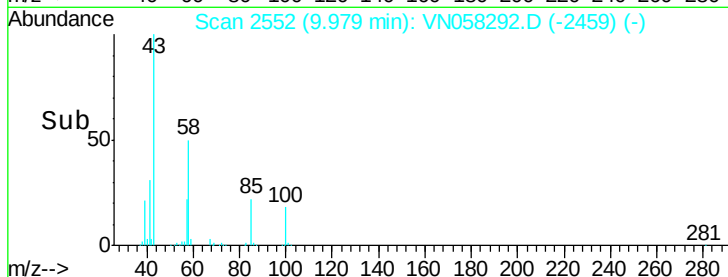
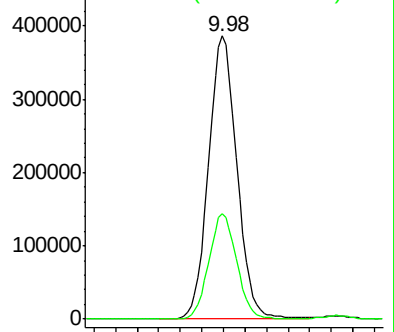
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.219 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058292.D

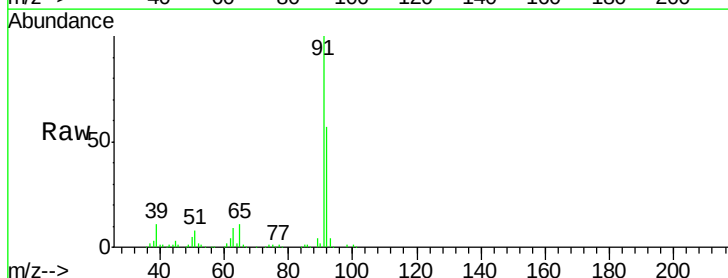
Acq: 23 Sep 2019 15:07

Tgt Ion: 92 Resp: 204341

Ion Ratio Lower Upper

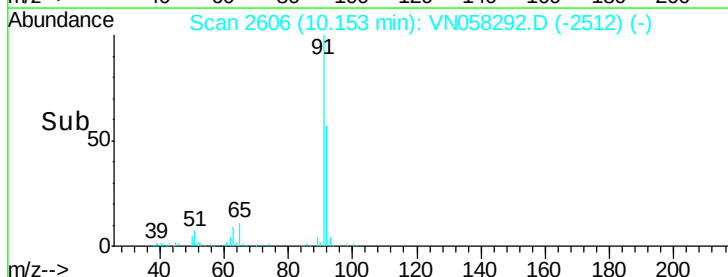
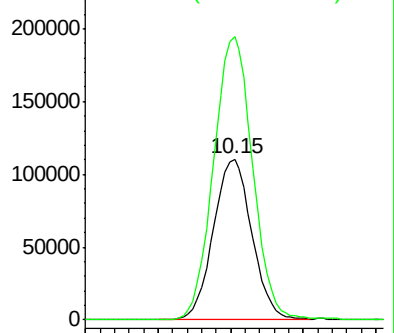
92 100

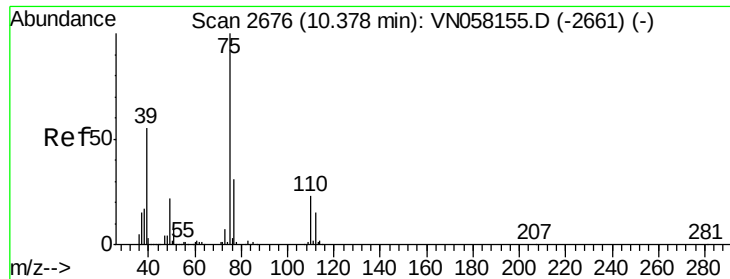
91 179.4 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.012 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion: 75 Resp: 125676

Ion Ratio Lower Upper

75 100

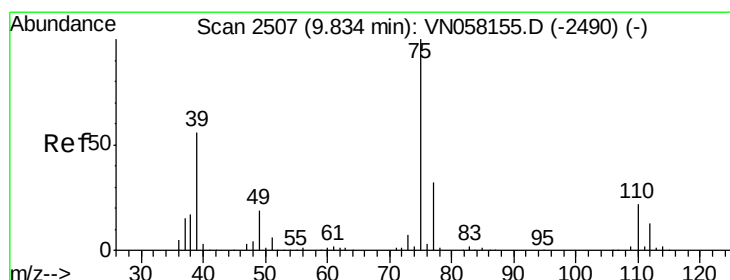
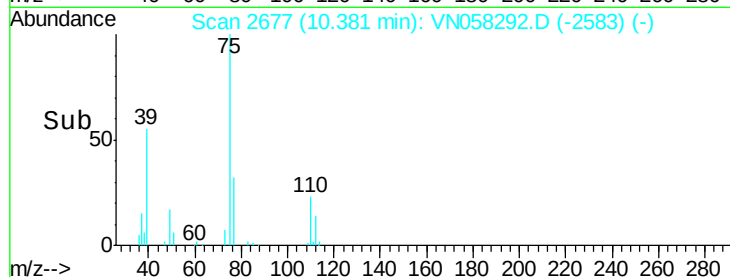
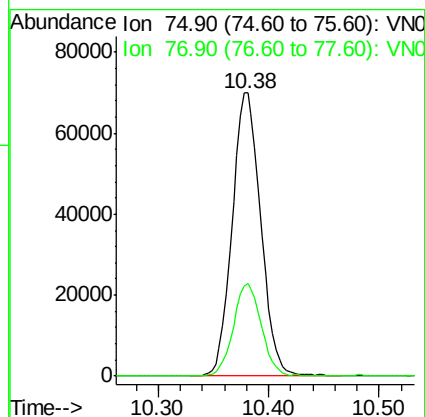
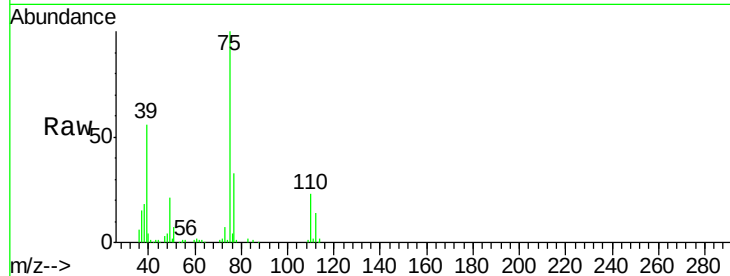
77 32.5 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 18.713 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

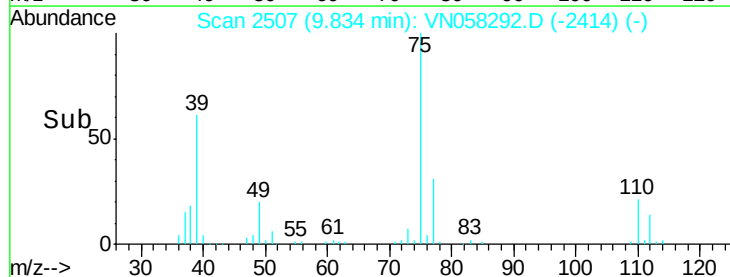
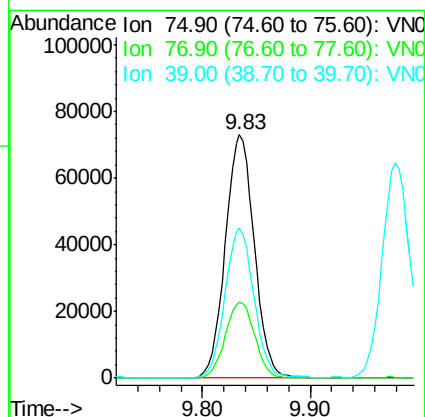
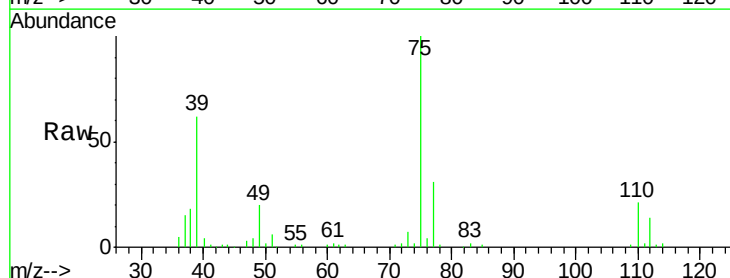
Tgt Ion: 75 Resp: 136568

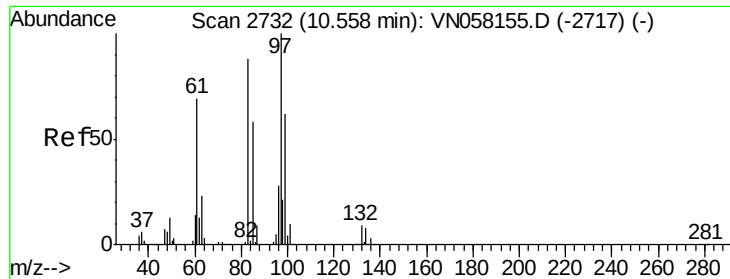
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 61.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 21.022 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

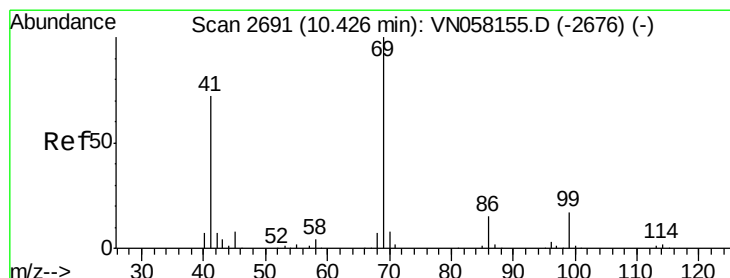
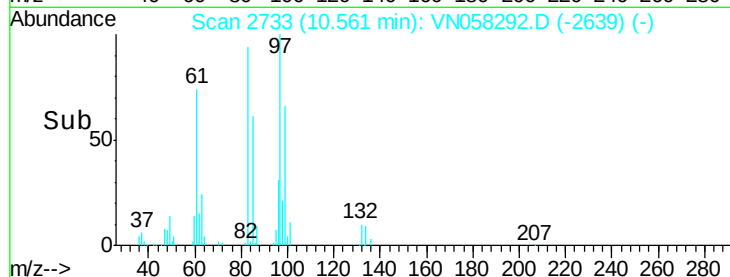
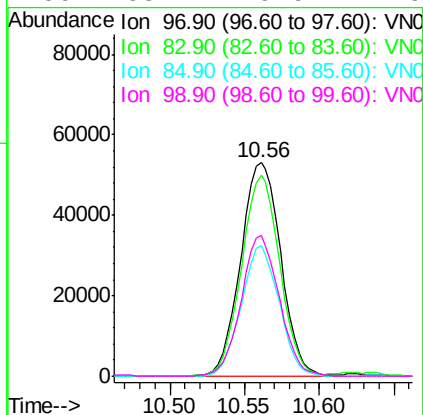
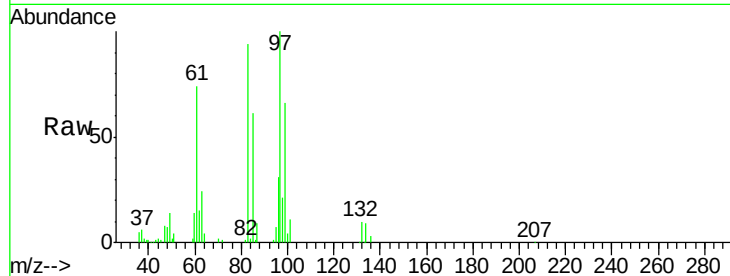
ClientSampleId :

VN0923MBSD01

Tot Ion:	97	Resp:	99188
Ion	Ratio	Lower	Upper
97	100		
83	94.3	70.4	105.6
85	61.3	46.8	70.2
99	65.7	49.9	74.9

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#56

Ethyl methacrylate

Concen: 20.904 ug/l

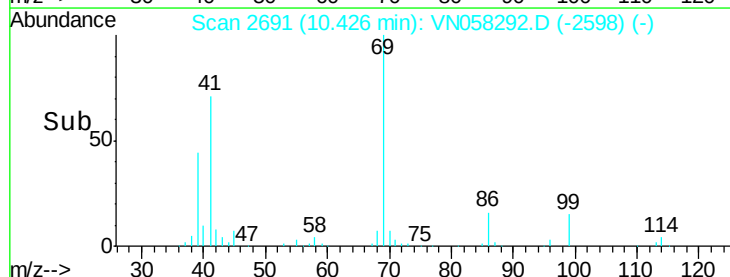
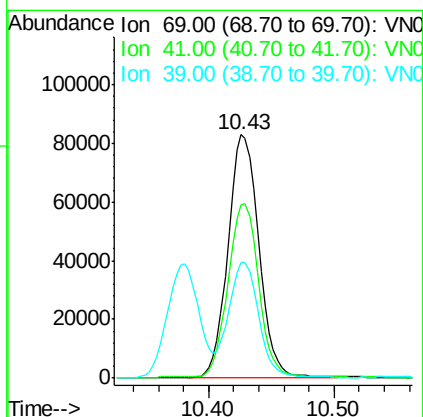
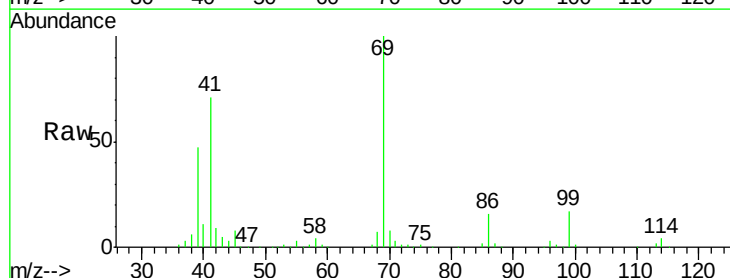
RT: 10.43 min Scan# 2691

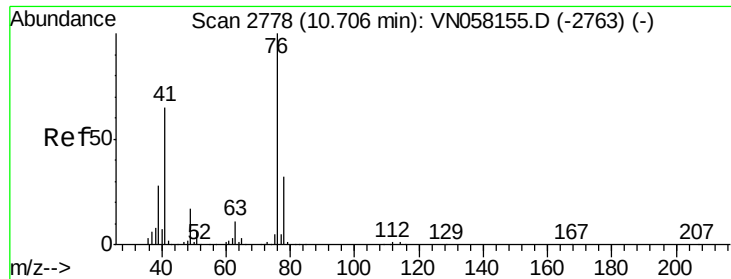
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	69	Resp:	142309
Ion	Ratio	Lower	Upper
69	100		
41	70.1	57.5	86.3
39	46.1	36.1	54.1





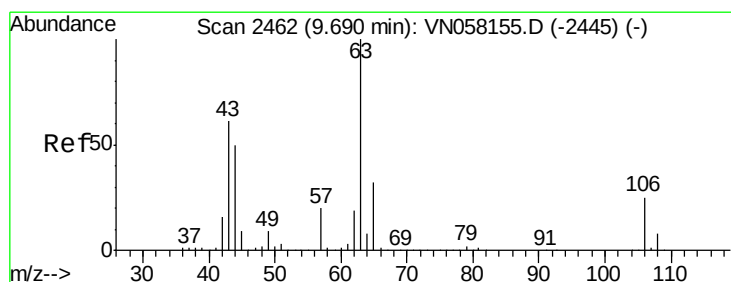
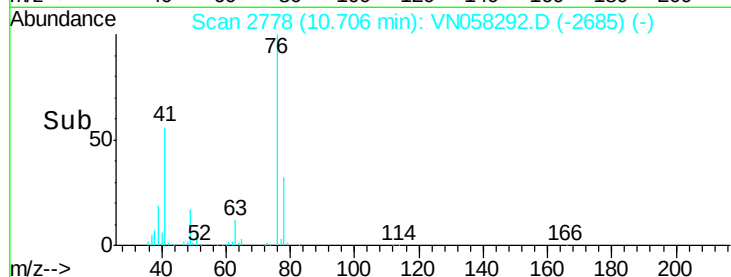
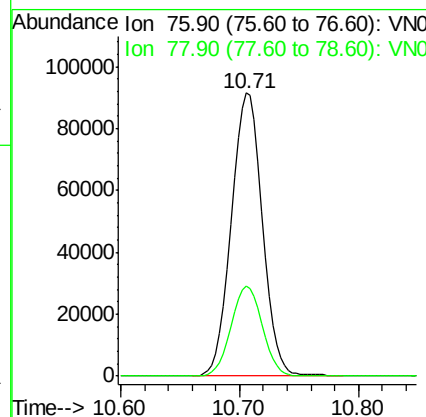
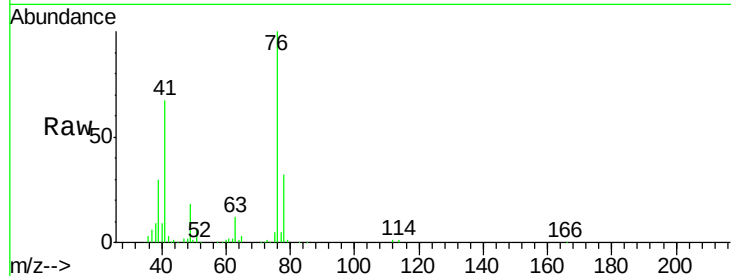
#57
 1,3-Dichloropropane
 Concen: 20.409 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion: 76 Resp: 165542
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0

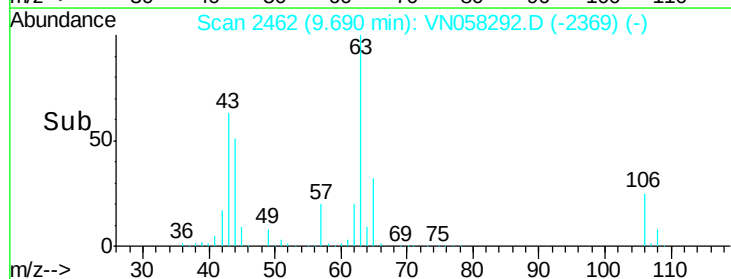
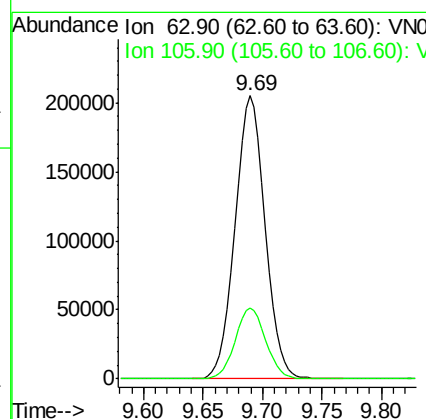
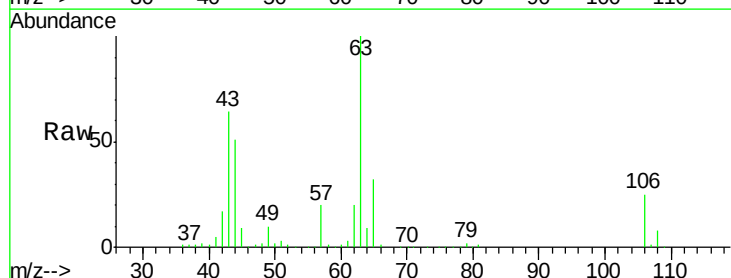
Manual Integrations
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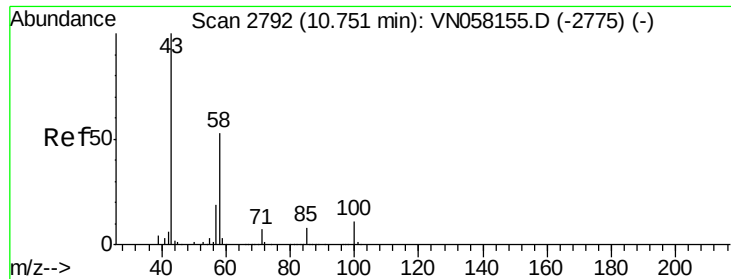
MMDadoda
 9/25/2019 12:47:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.475 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion: 63 Resp: 358234
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.9 29.9





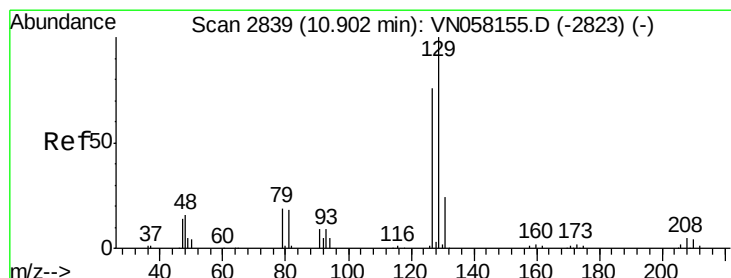
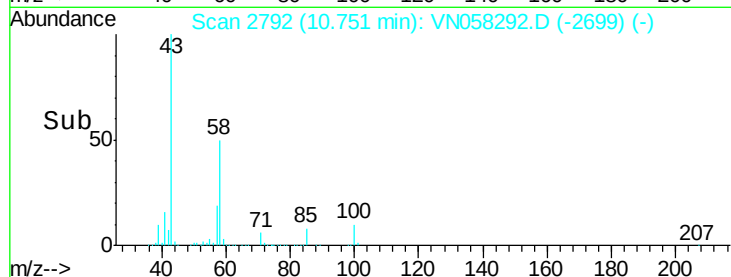
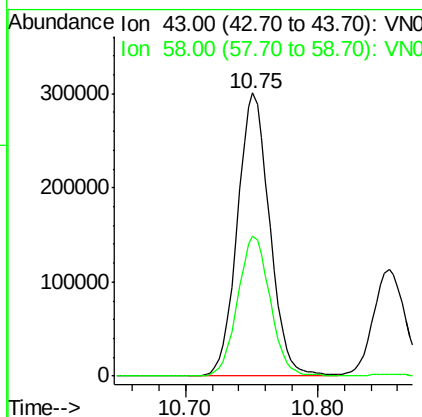
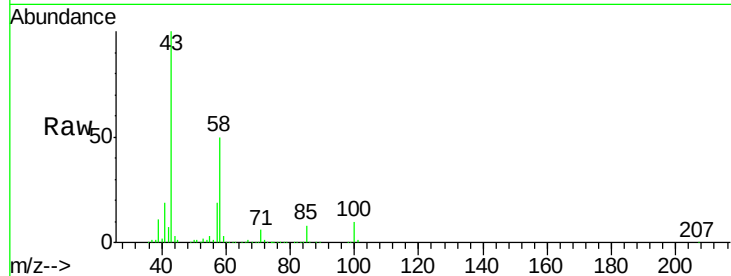
#59
2-Hexanone
Concen: 119.214 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion: 43 Resp: 506270
Ion Ratio Lower Upper
43 100
58 50.0 26.0 78.0

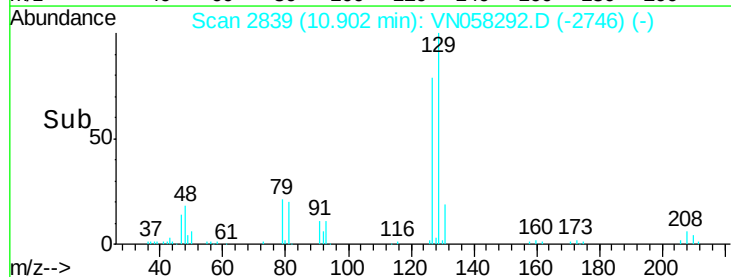
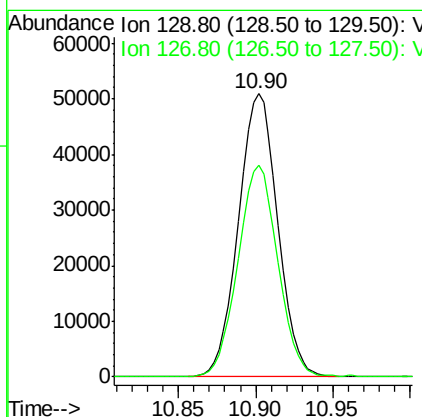
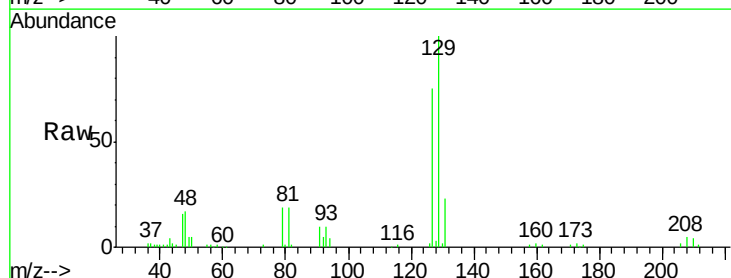
Manual Integrations
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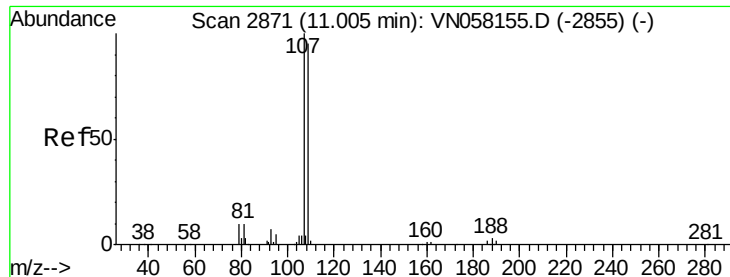
MMDadoda
9/25/2019 12:47:44 AM



#60
Dibromochloromethane
Concen: 19.822 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 129 Resp: 89975
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1





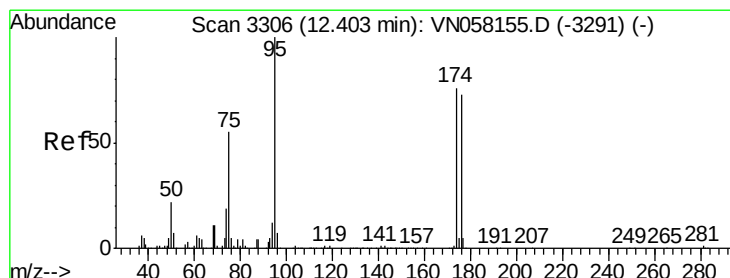
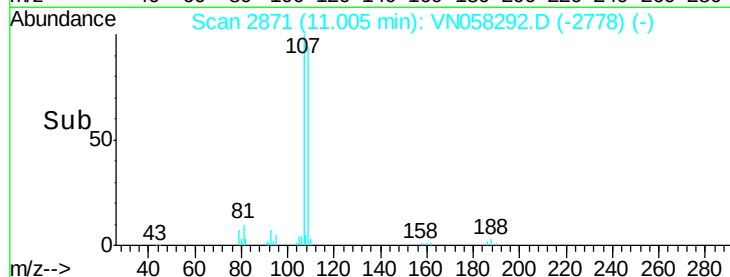
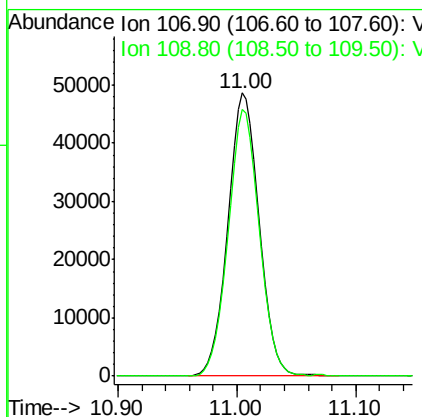
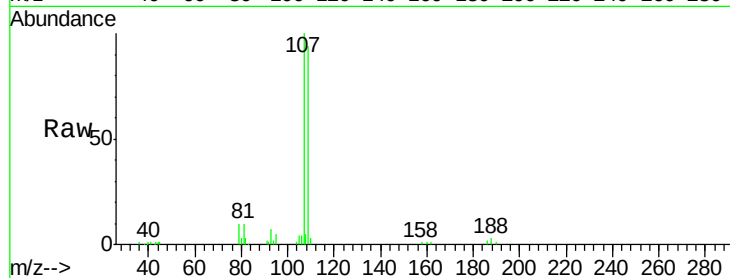
#61
 1,2-Dibromoethane
 Concen: 20.184 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

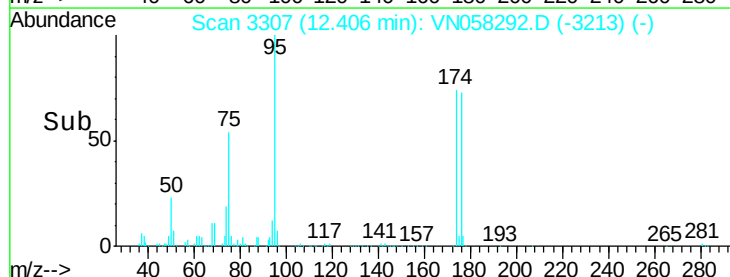
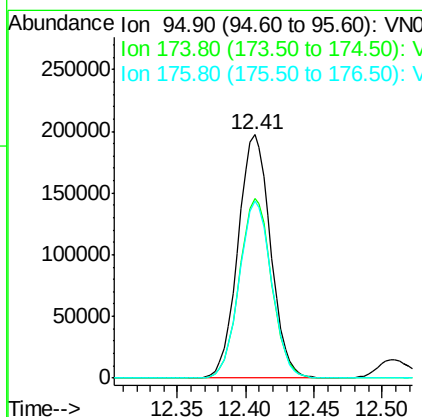
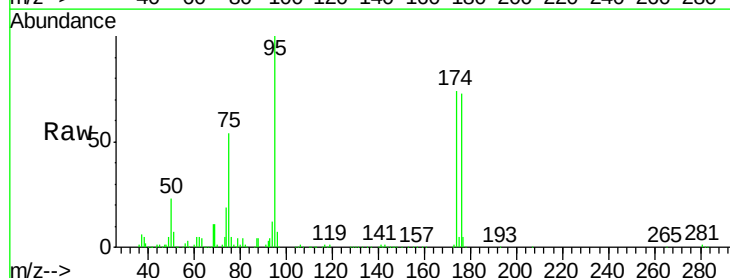
Manual Integrations
 APPROVED

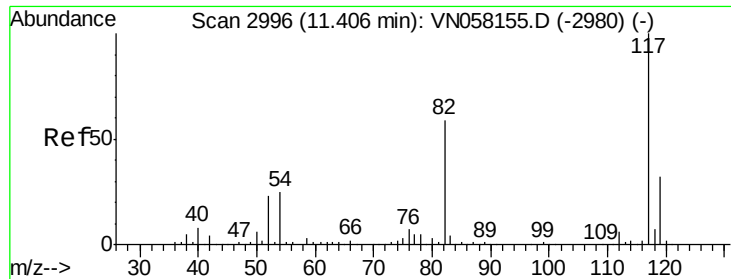
MMDadoda
 9/25/2019 12:47:44 AM



#62
 4-Bromofluorobenzene
 Concen: 48.134 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	152.2
176	72.6	0.0	148.0





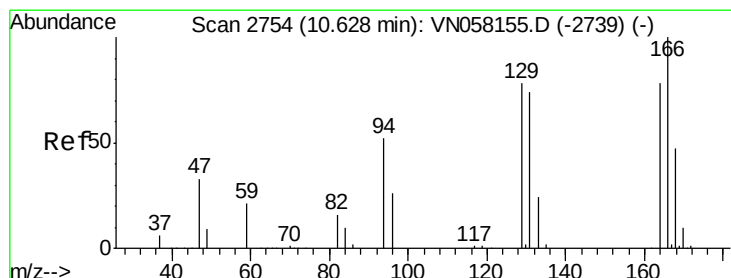
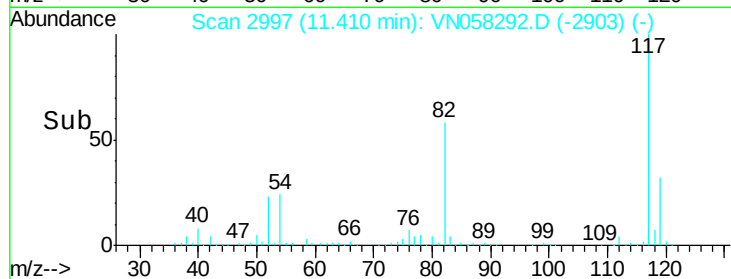
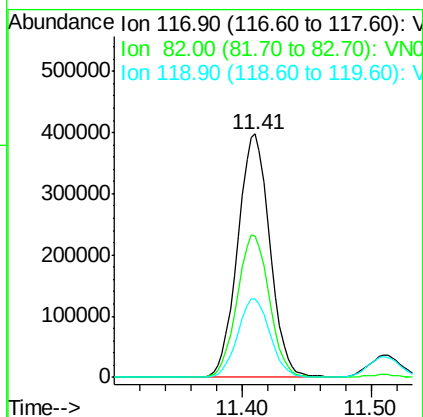
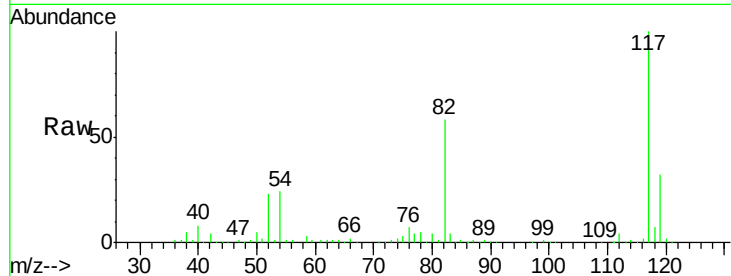
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.9	70.3
119	32.4	25.3	37.9

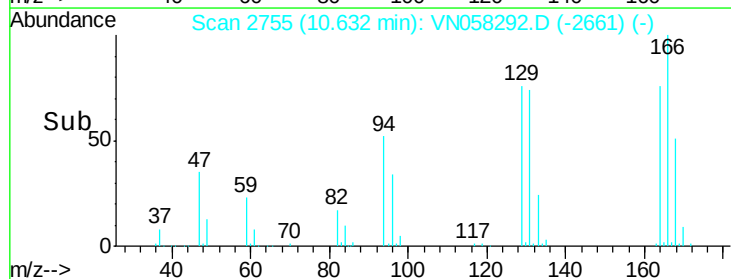
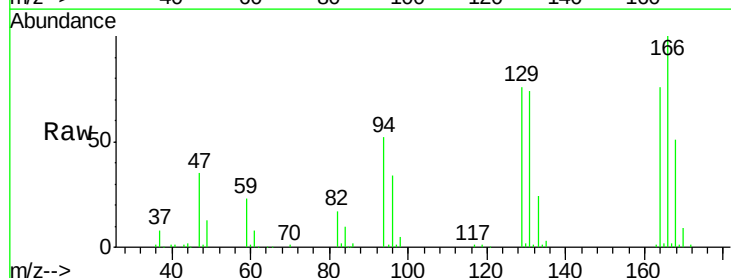
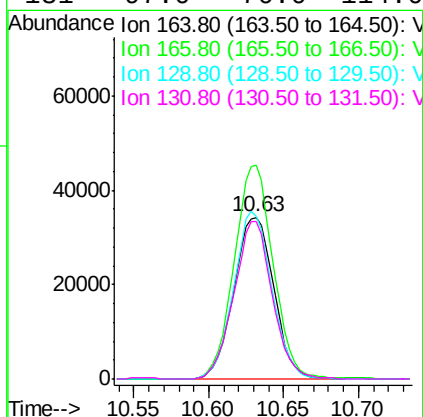
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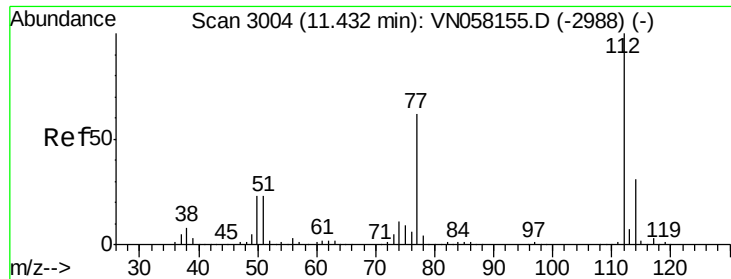
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#64
Tetrachloroethene
Concen: 18.953 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	102.2	153.4
129	100.6	79.6	119.4
131	97.0	76.0	114.0





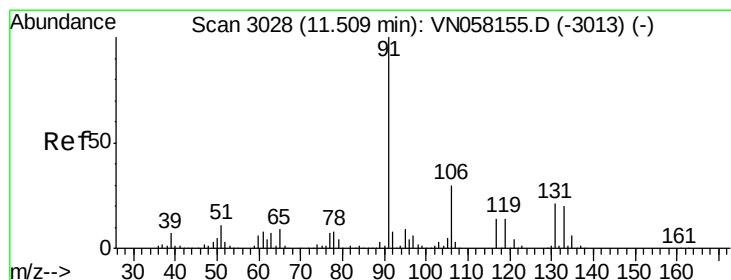
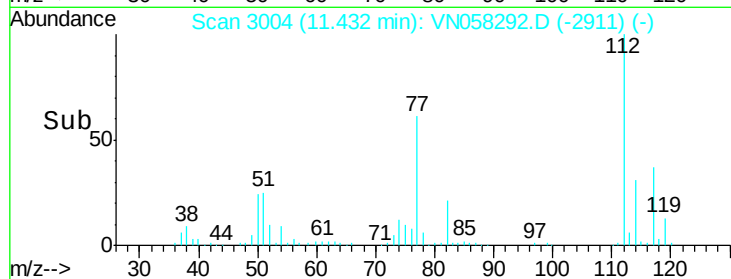
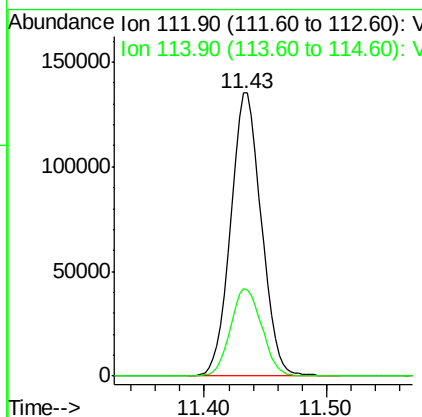
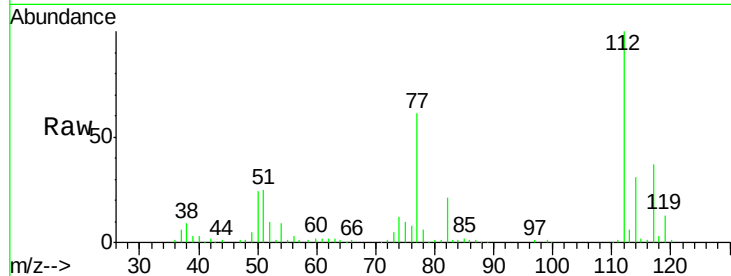
#65
Chlorobenzene
Concen: 19.519 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion:112 Resp: 236607
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7

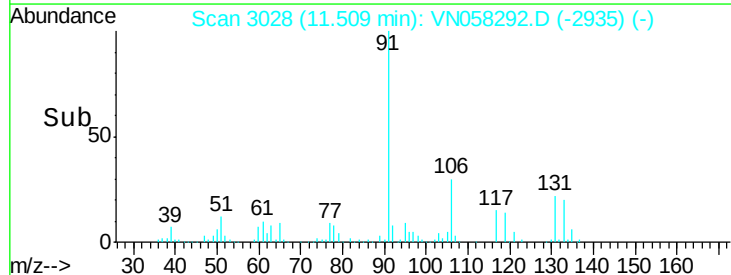
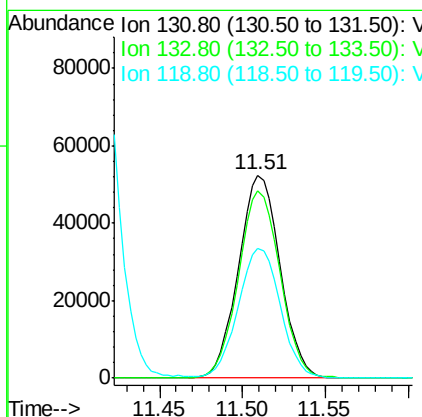
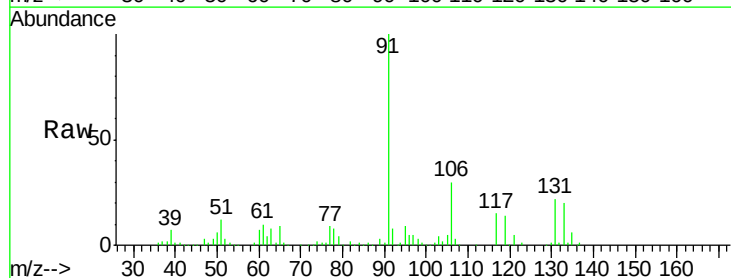
Manual Integrations
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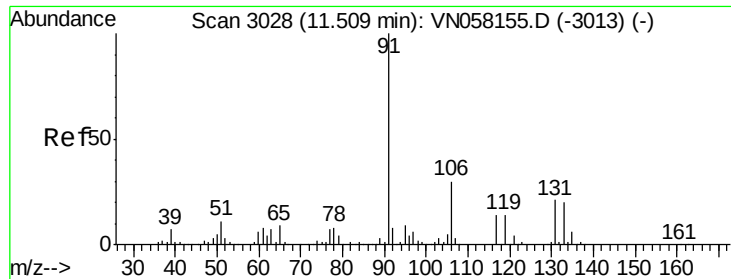
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.821 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion:131 Resp: 91517
Ion Ratio Lower Upper
131 100
133 92.4 47.8 143.3
119 65.0 33.1 99.3





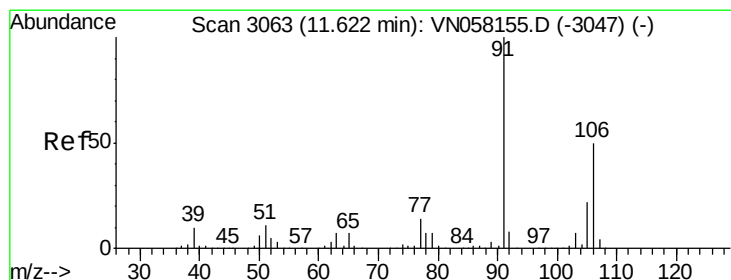
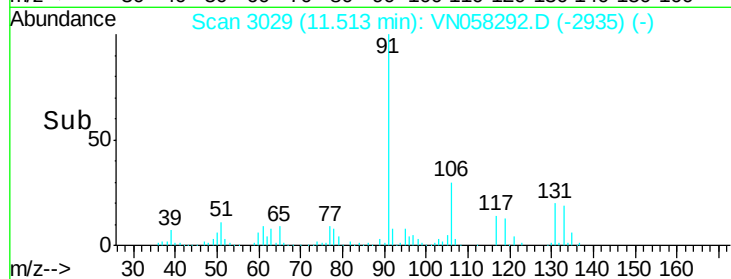
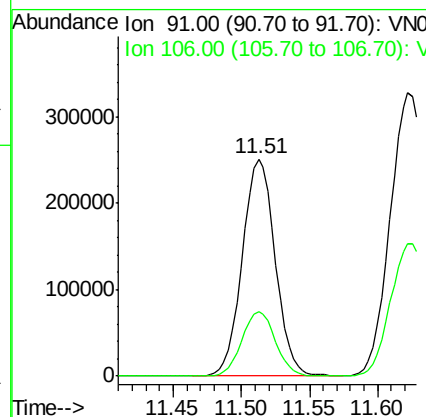
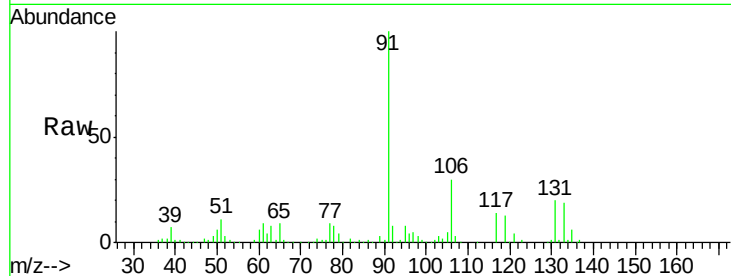
#67
Ethyl Benzene
Concen: 20.252 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0923MBSD01

Tot Ion: 91 Resp: 420646
Ion Ratio Lower Upper
91 100
106 29.6 24.0 36.0

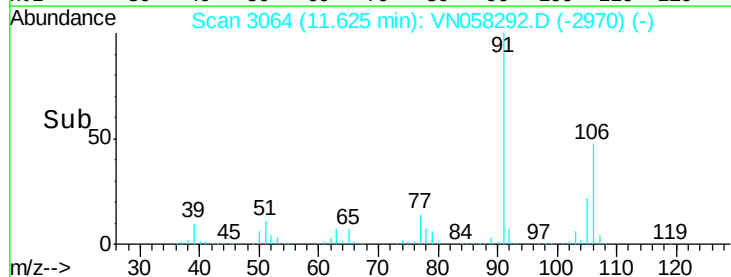
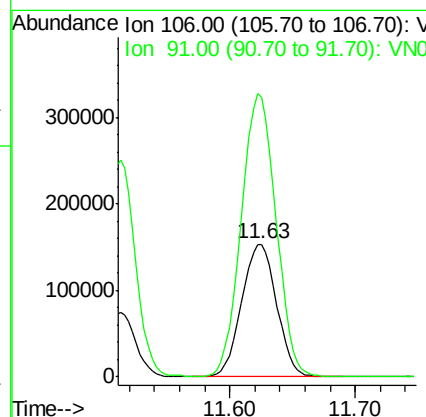
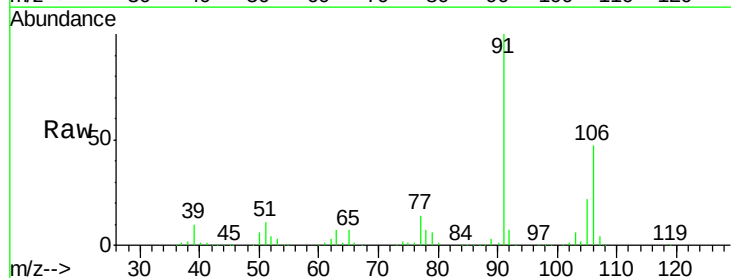
Manual Integrations
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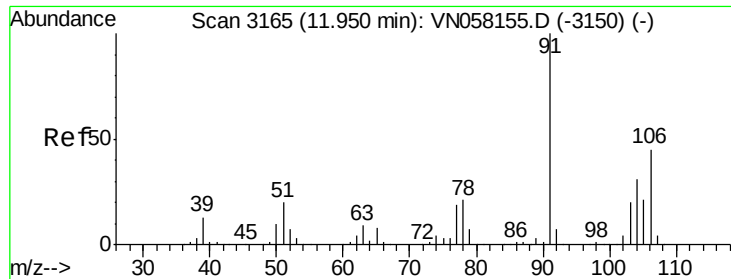
MMDadoda
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#68
m/p-Xylenes
Concen: 38.086 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion: 106 Resp: 297945
Ion Ratio Lower Upper
106 100
91 211.3 163.6 245.4





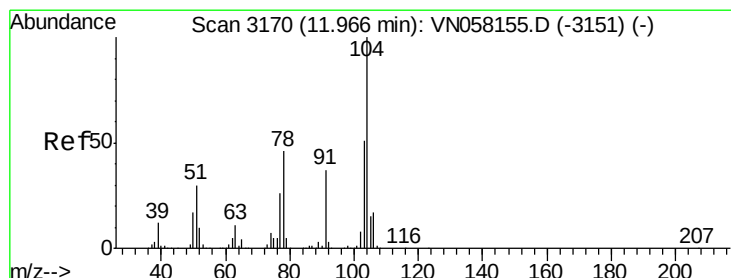
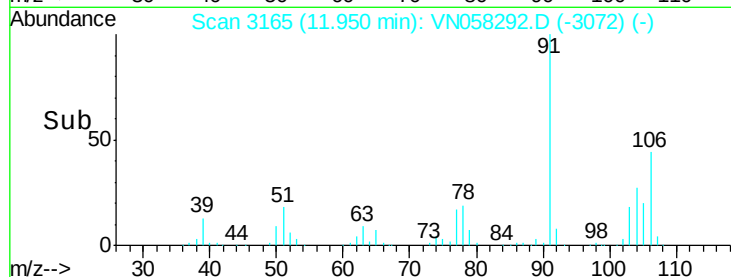
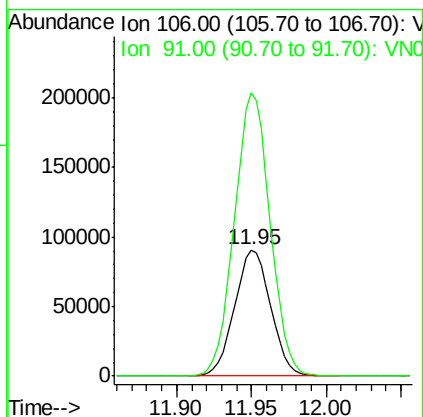
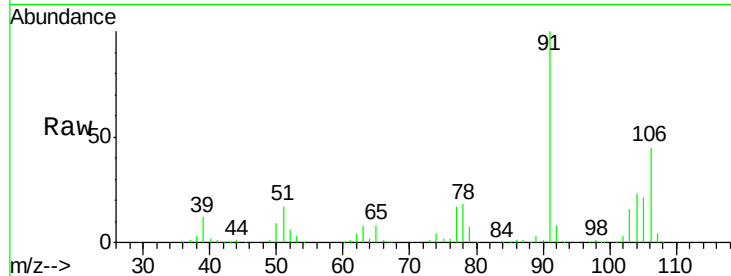
#69
o-Xylene
Concen: 19.812 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		152394		
91	222.4	111.8	335.3		

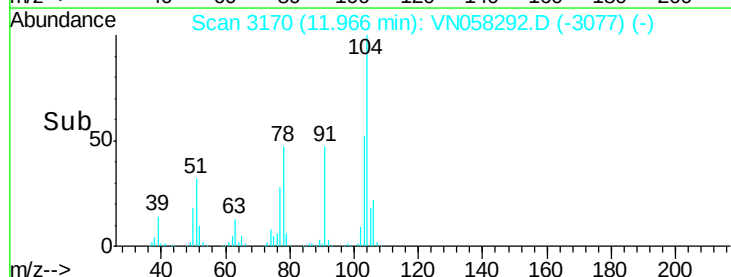
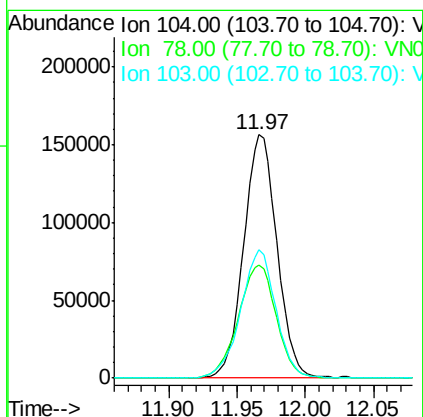
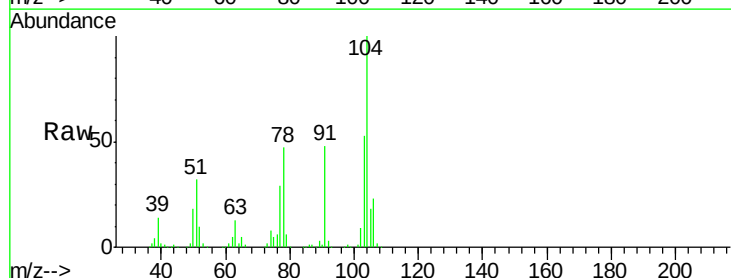
Manual Integrations
APPROVED

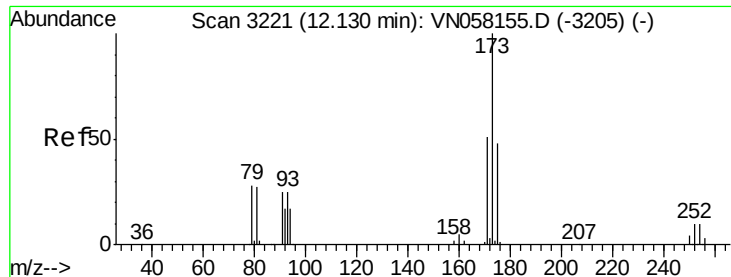
MMDadoda
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#70
Styrene
Concen: 20.052 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		265764		
78	53.0	41.8	62.8		
103	55.7	44.2	66.2		





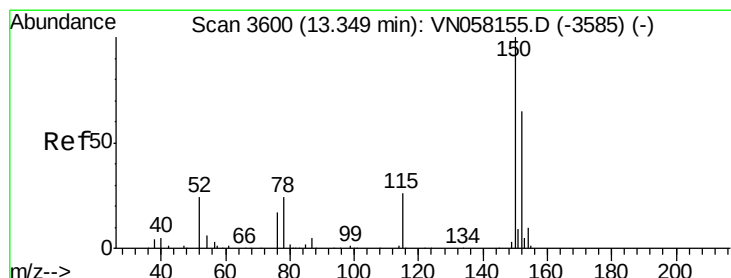
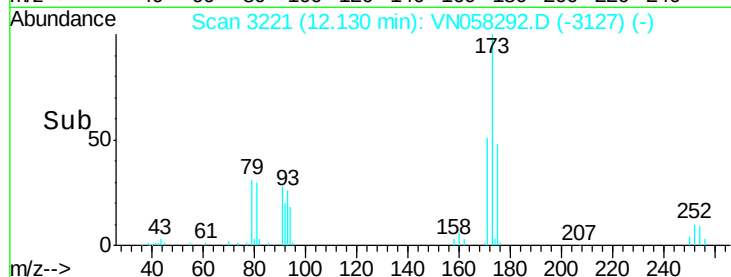
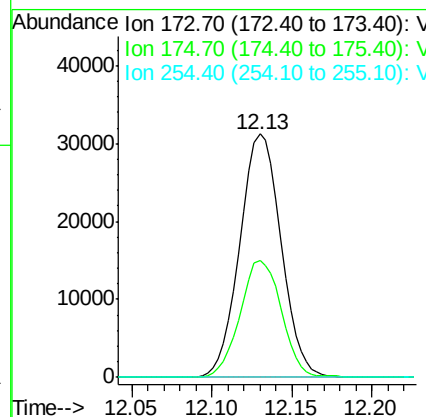
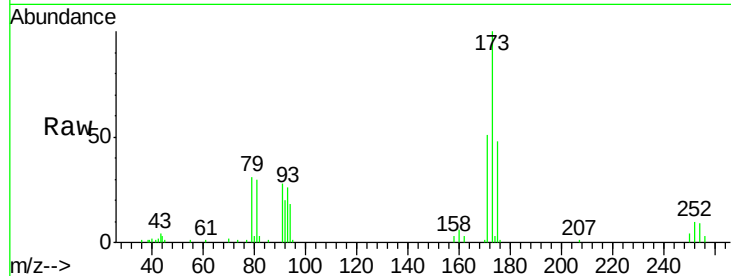
#71
Bromoform
Concen: 19.226 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.0	0.1	0.1#

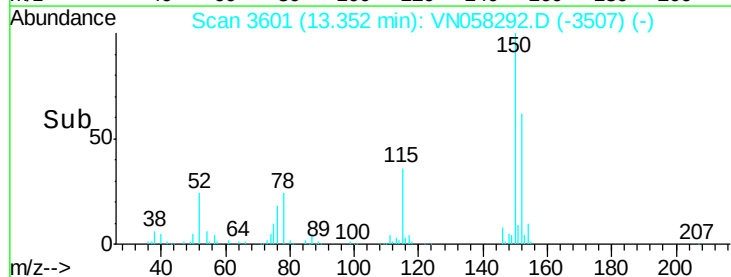
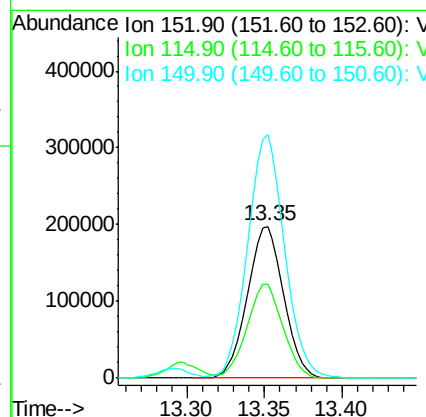
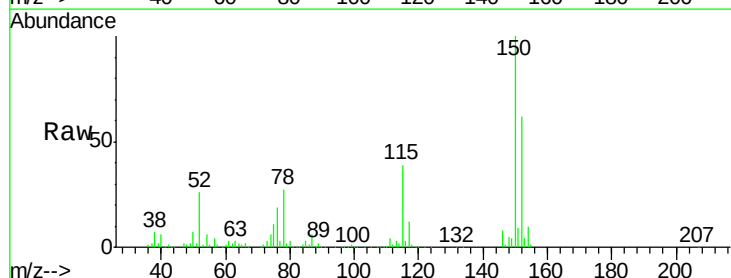
Manual Integrations
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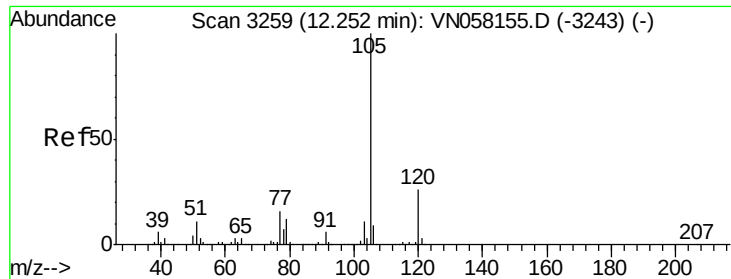
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.3
150	163.6	0.0	346.4





#73

Isopropylbenzene

Concen: 21.348 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion: 105 Resp: 430931

Ion Ratio Lower Upper

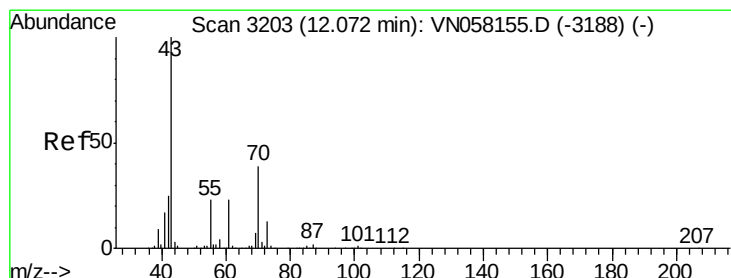
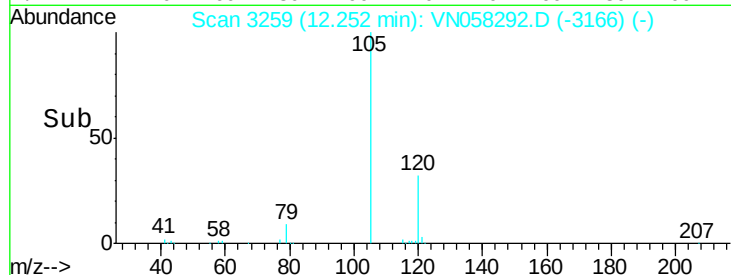
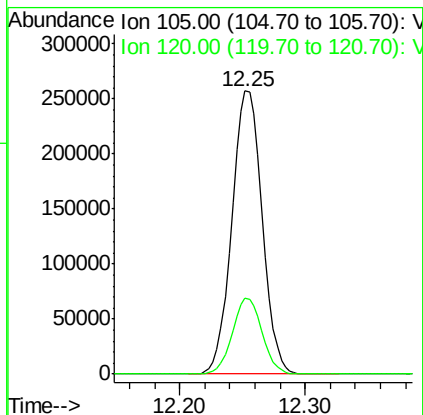
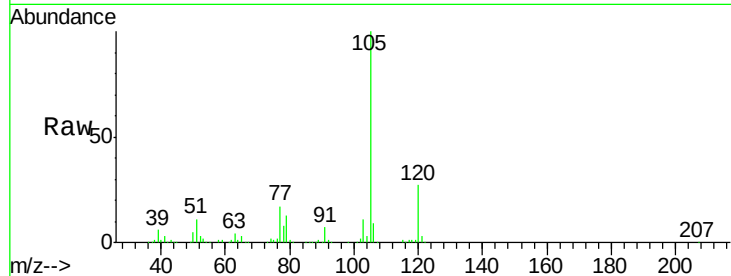
105 100

120 26.2 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.098 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion: 43 Resp: 186603

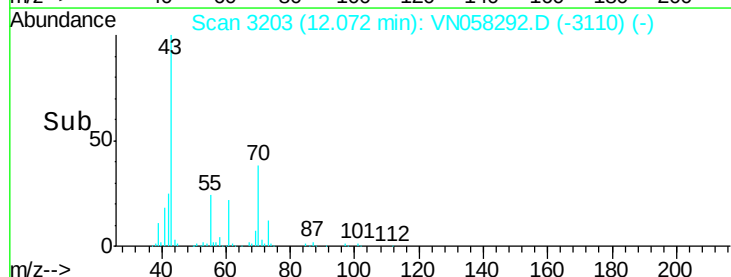
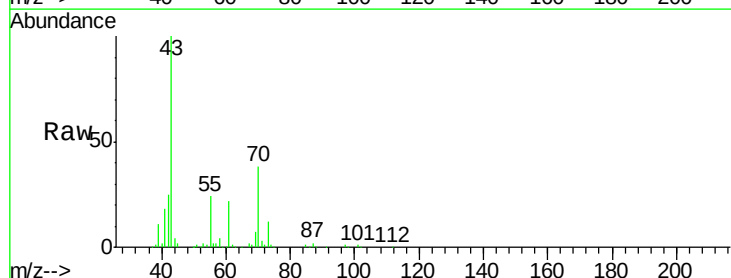
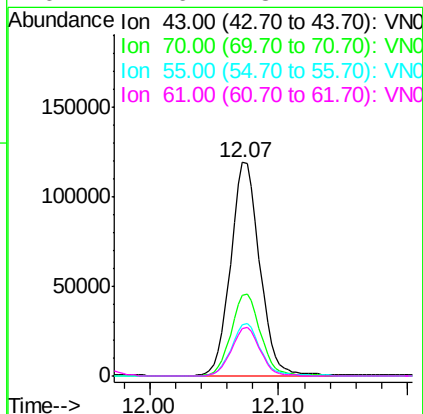
Ion Ratio Lower Upper

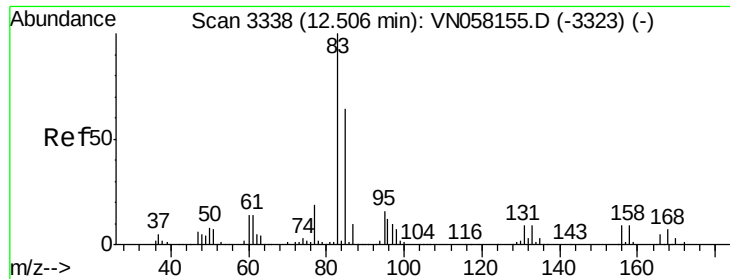
43 100

70 39.1 31.0 46.6

55 24.6 18.5 27.7

61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.123 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

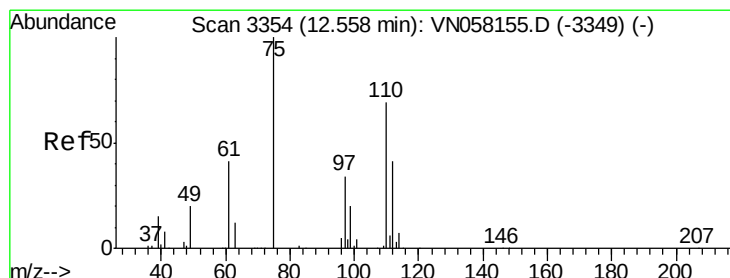
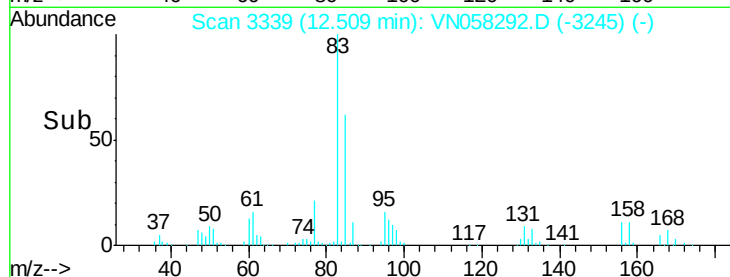
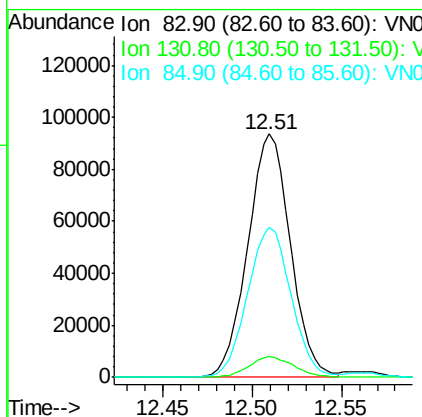
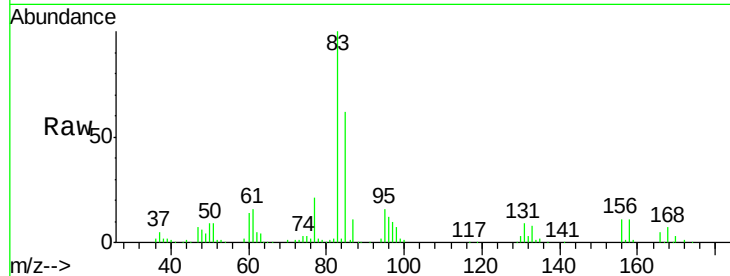
ClientSampleId :

VN0923MBSD01

Tot Ion	83	Resp	156301
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.8	14.3
85	63.0	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 21.638 ug/l m

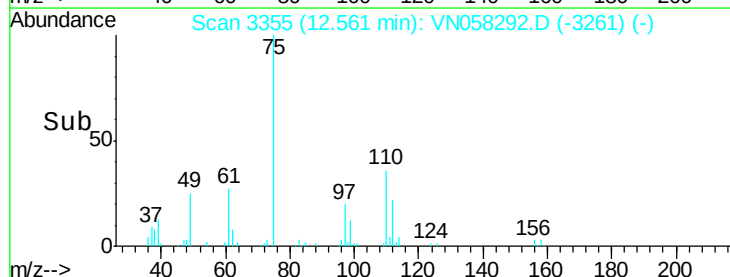
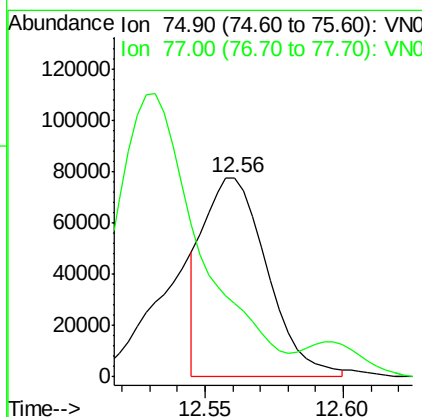
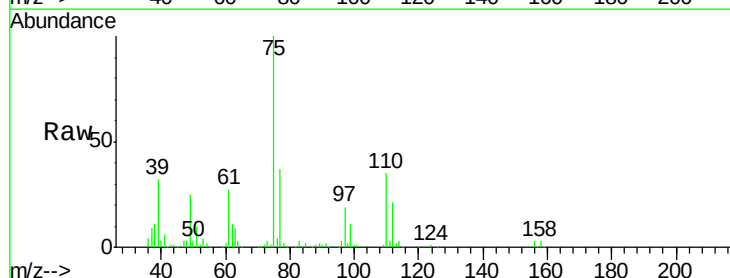
RT: 12.56 min Scan# 3355

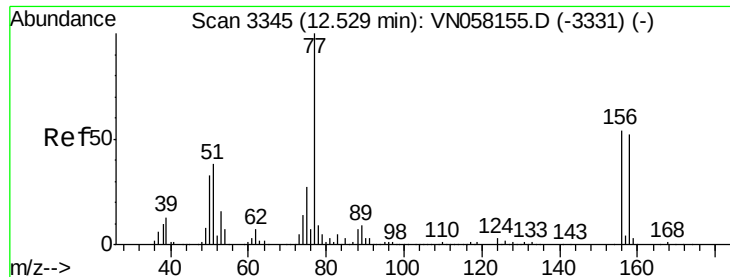
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion	75	Resp	124883
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.185 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion:156 Resp: 102488

Ion Ratio Lower Upper

156 100

77 227.9 111.7 335.1

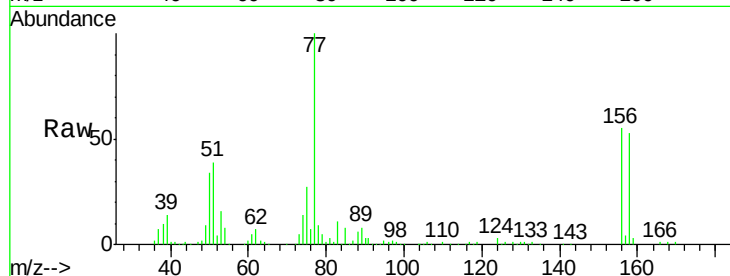
158 98.0 47.9 143.8

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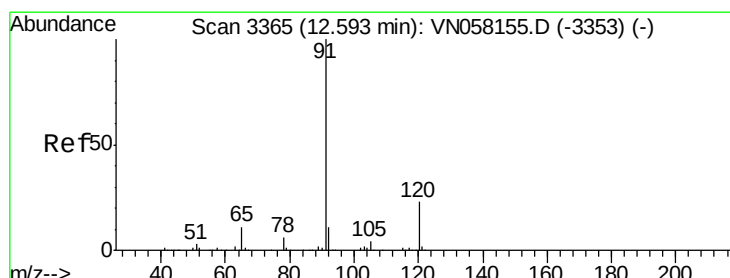
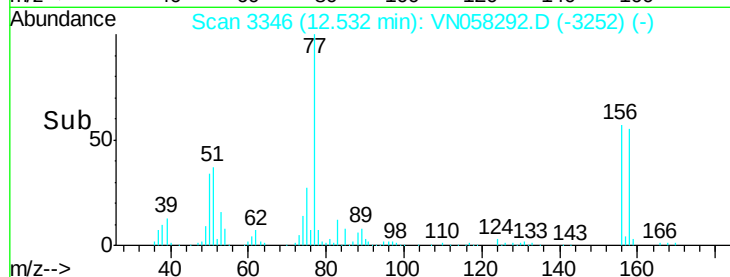
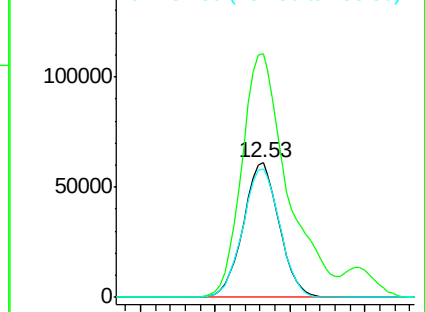
9/25/2019 12:47:44 AM



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: 21.761 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058292.D

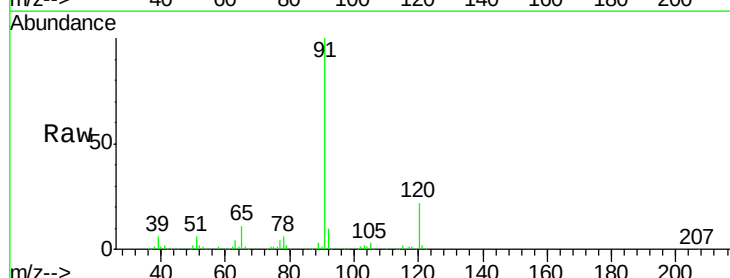
Acq: 23 Sep 2019 15:07

Tgt Ion: 91 Resp: 499145

Ion Ratio Lower Upper

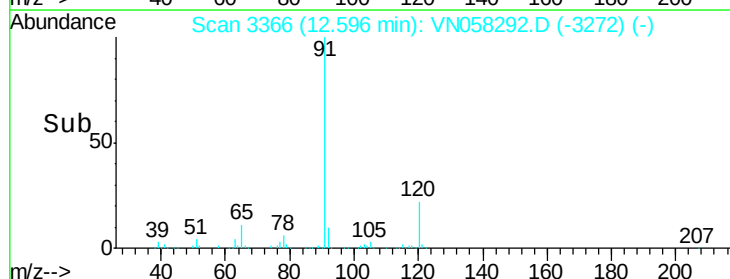
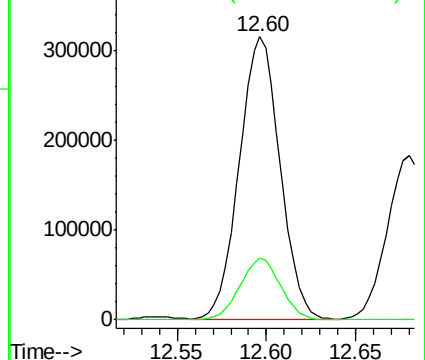
91 100

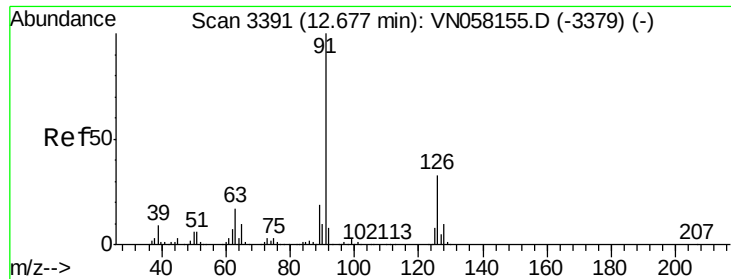
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.076 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion: 91 Resp: 302130

Ion Ratio Lower Upper

91 100

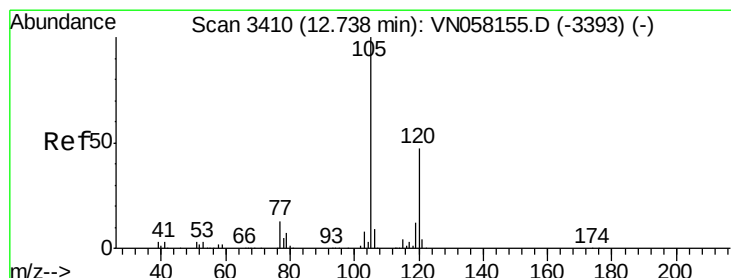
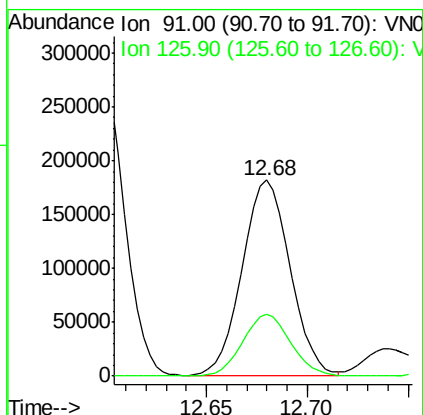
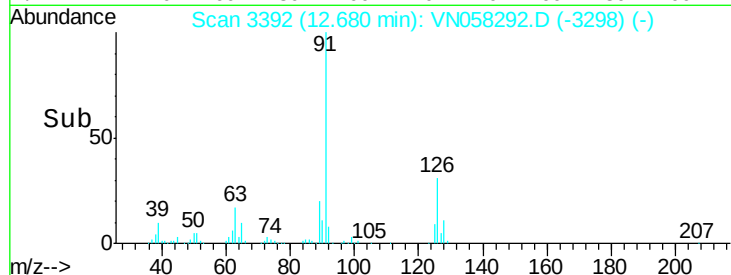
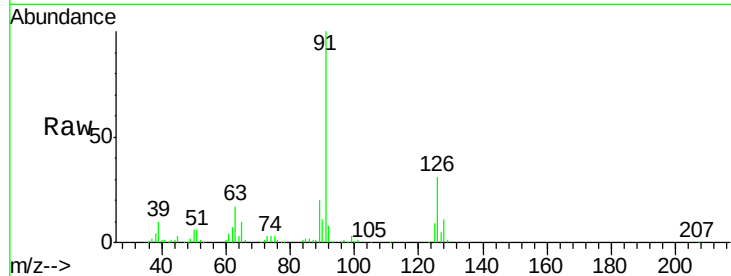
126 31.8 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.650 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058292.D

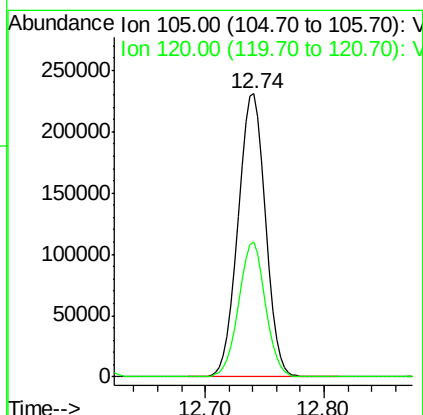
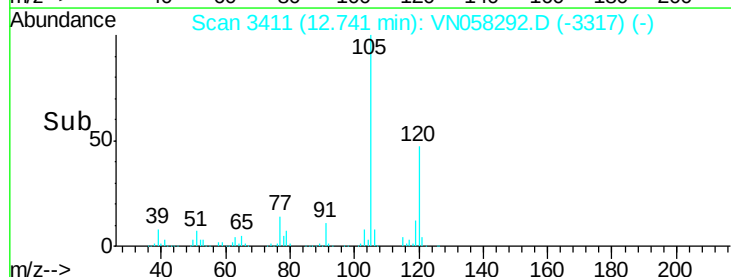
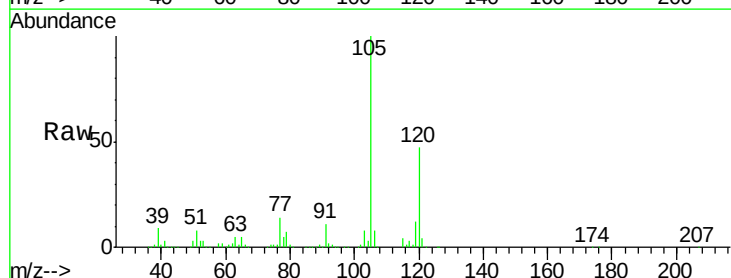
Acq: 23 Sep 2019 15:07

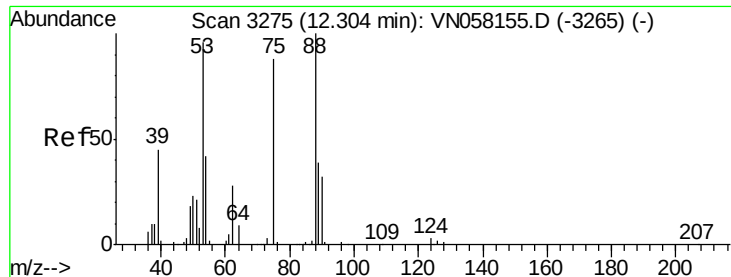
Tgt Ion: 105 Resp: 369549

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.872 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

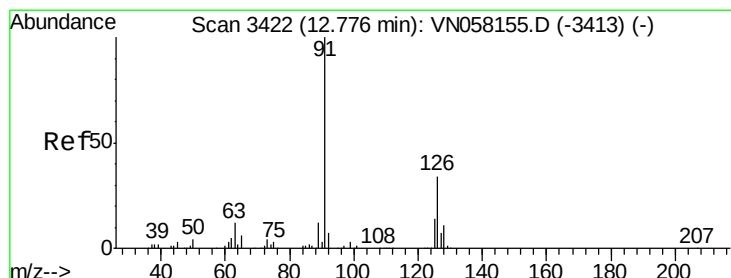
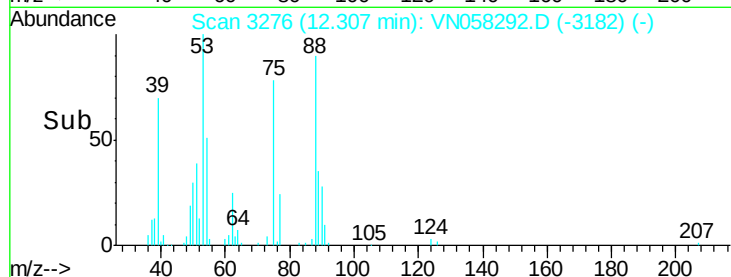
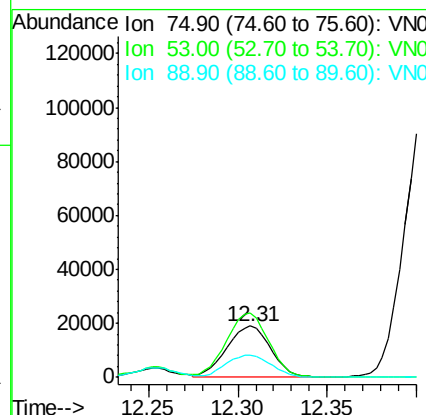
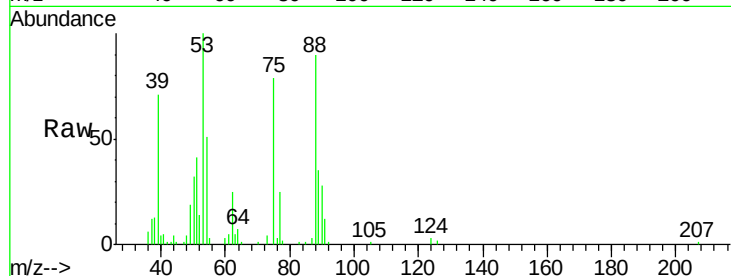
ClientSampleId :

VN0923MBSD01

Tot Ion:	75	Resp:	33092
Ion Ratio	Lower	Upper	
75	100		
53	119.4	90.1	135.1
89	44.4	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.893 ug/l

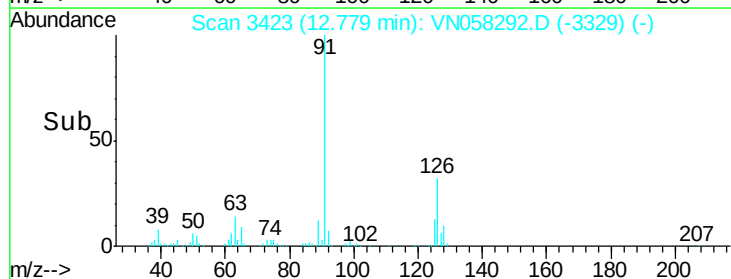
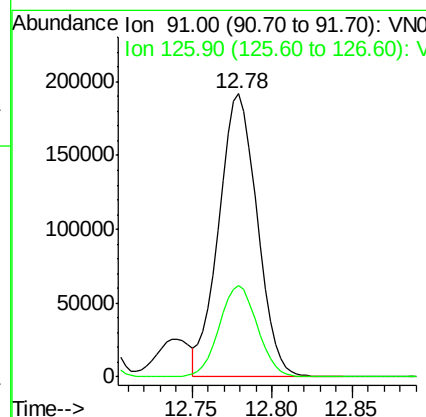
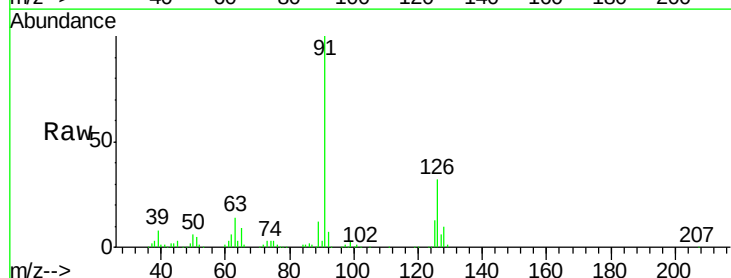
RT: 12.78 min Scan# 3423

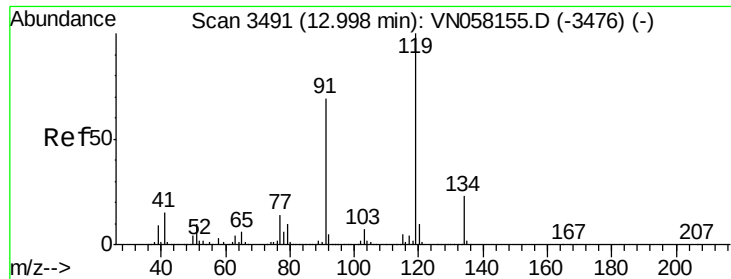
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	91	Resp:	314842
Ion Ratio	Lower	Upper	
91	100		
126	31.9	15.7	47.1





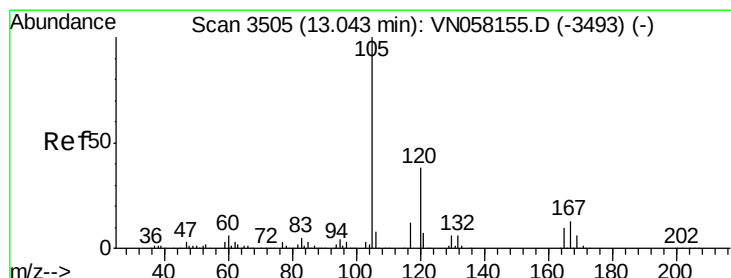
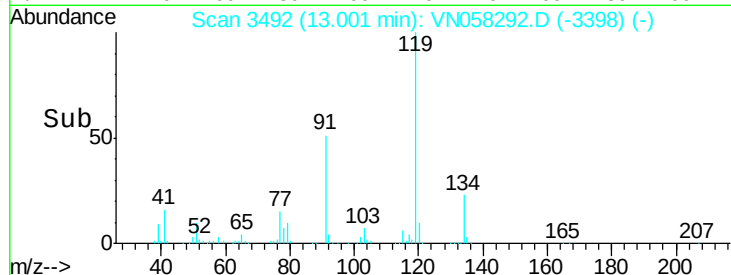
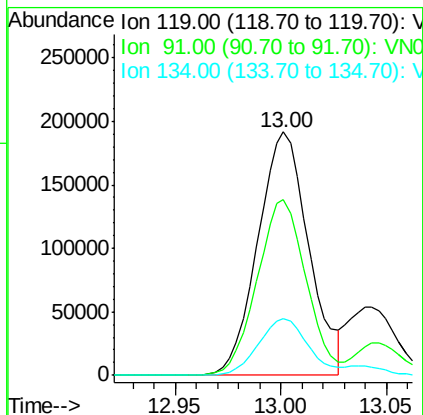
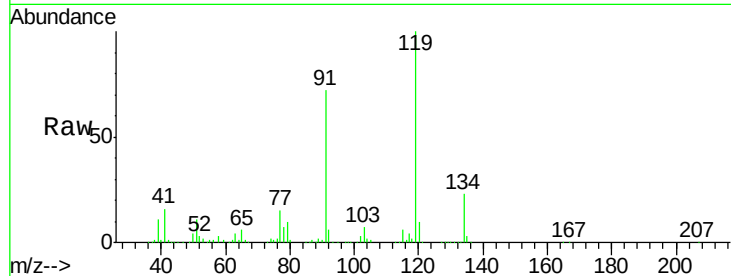
#83
 tert-Butylbenzene
 Concen: 21.169 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	322232		
91	69.7		33.8	101.3
134	22.6		11.6	34.8

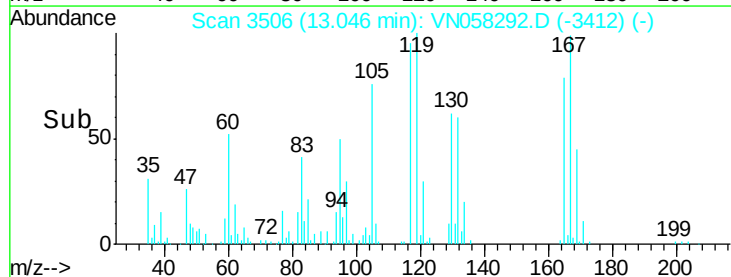
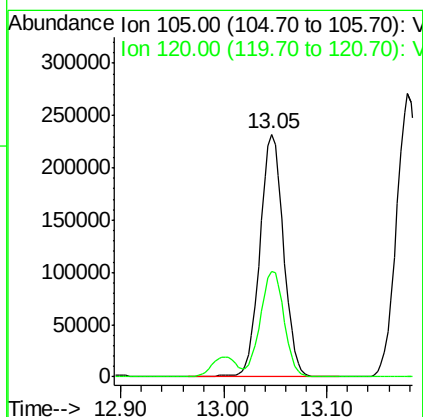
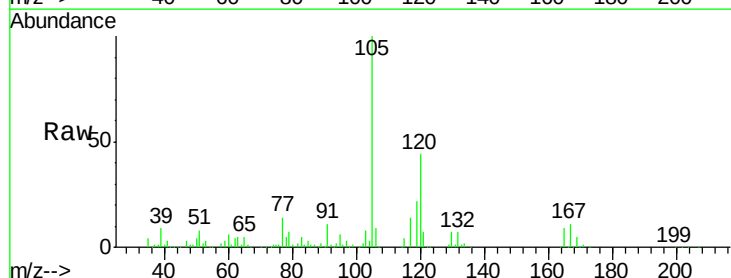
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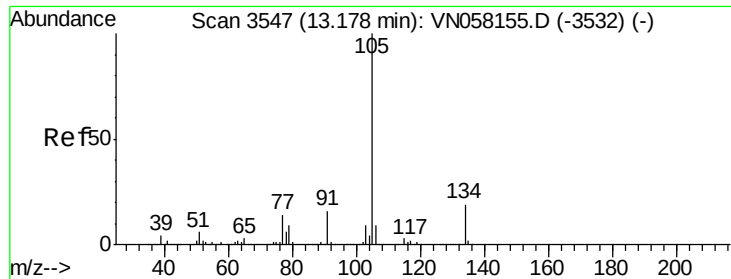
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.618 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	367225		
120	43.8		22.1	66.5





#85

sec-Butylbenzene

Concen: 21.501 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBSD01

Tot Ion:105 Resp: 427984

Ion Ratio Lower Upper

105 100

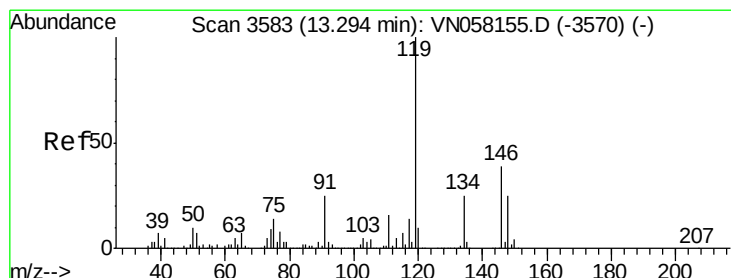
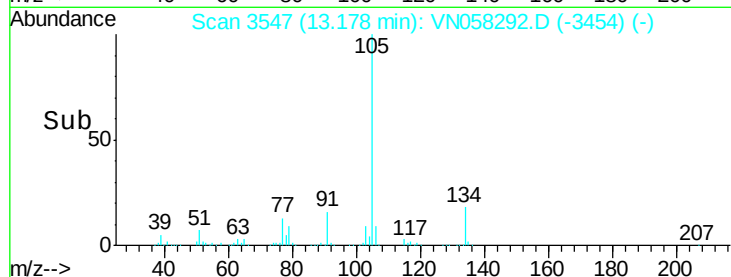
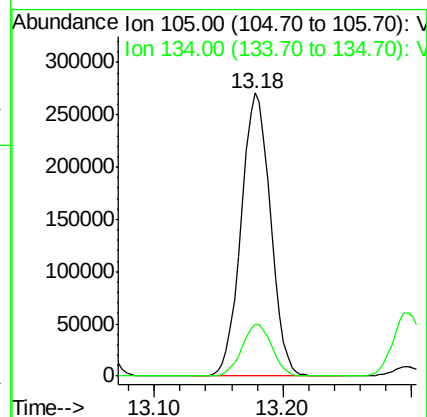
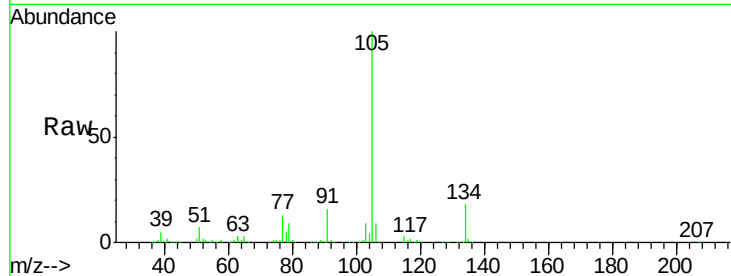
134 18.7 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 21.312 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

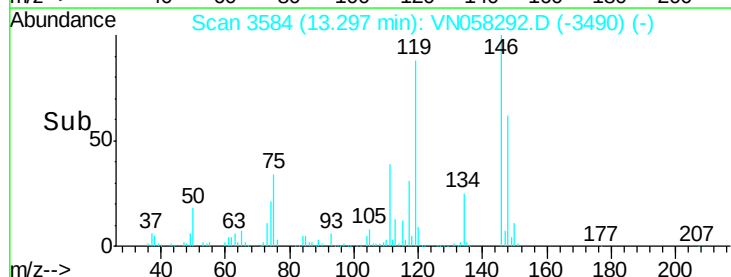
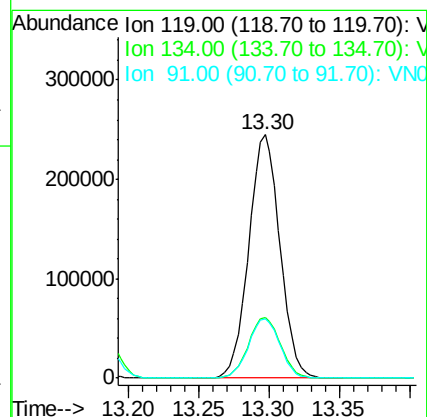
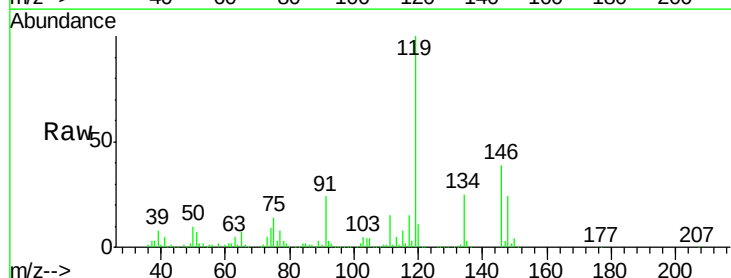
Tgt Ion:119 Resp: 377139

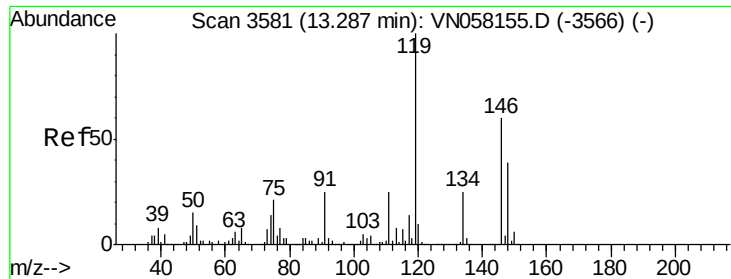
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 24.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.648 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

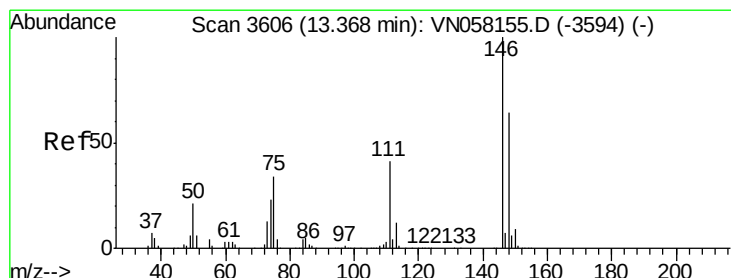
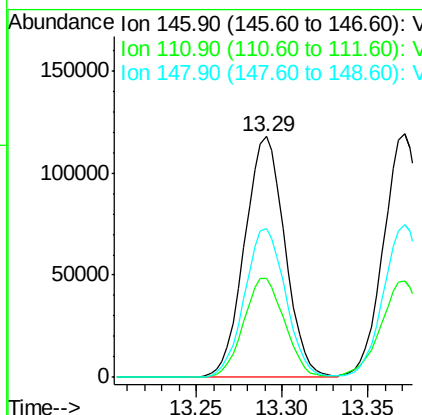
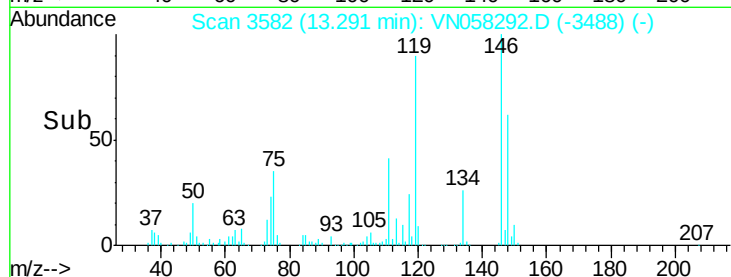
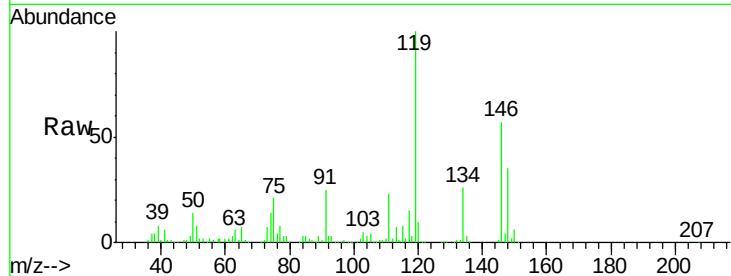
ClientSampleId :

VN0923MBSD01

Tot Ion:	146	Resp:	191489
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.9	62.8
148	62.5	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 20.428 ug/l

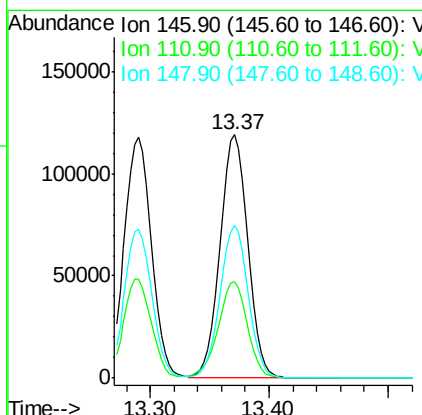
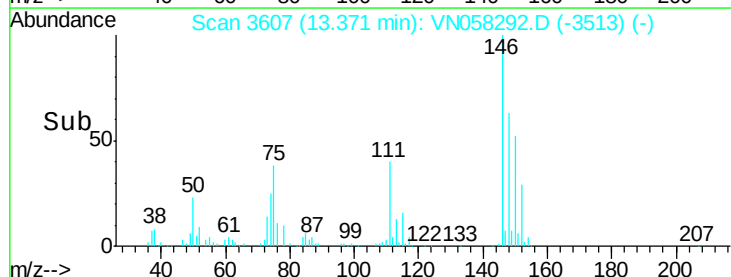
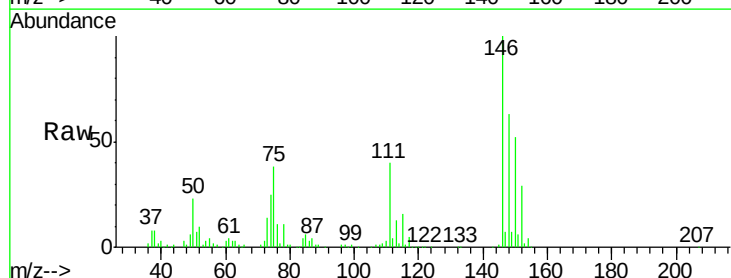
RT: 13.37 min Scan# 3607

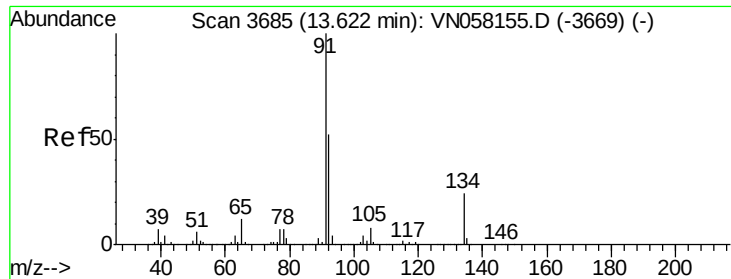
Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	146	Resp:	193413
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.5	61.5
148	63.8	31.9	95.5





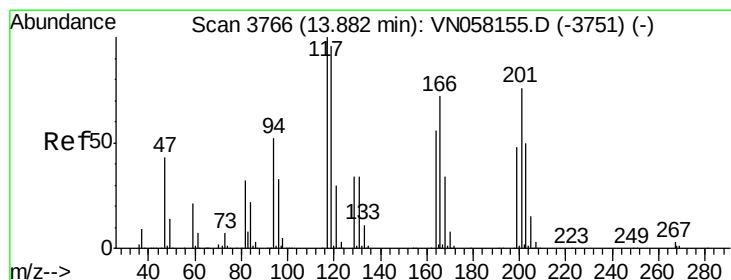
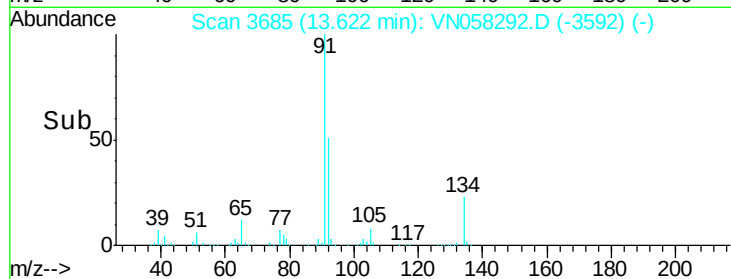
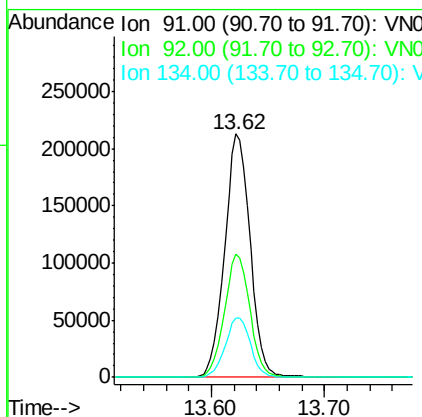
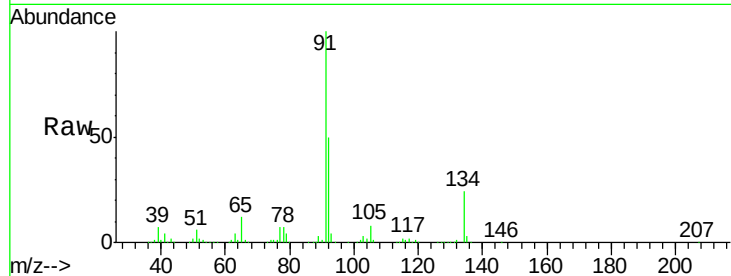
#89
n-Butylbenzene
Concen: 19.877 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	24.1	11.8	35.4

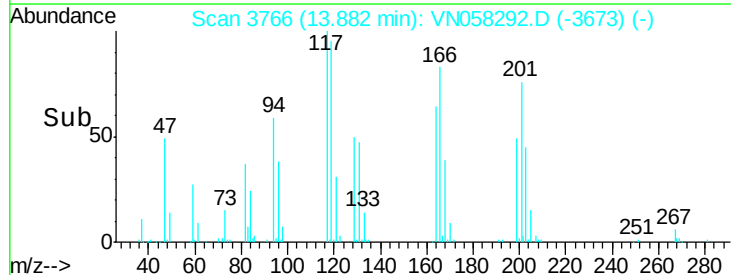
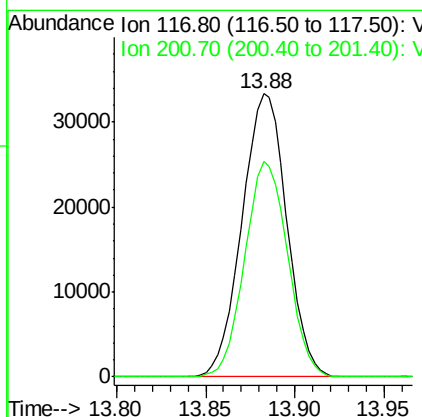
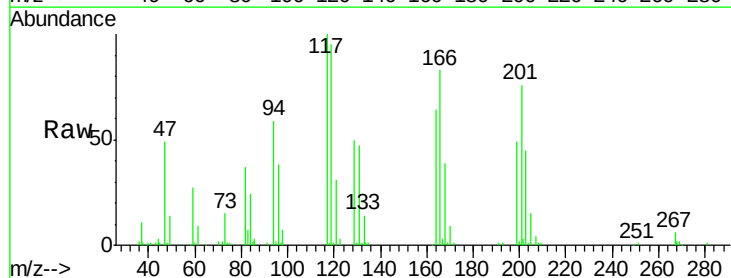
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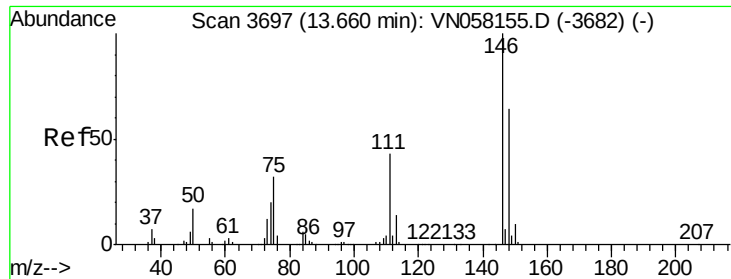
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#90
Hexachloroethane
Concen: 20.543 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058292.D
Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	37.5	112.5





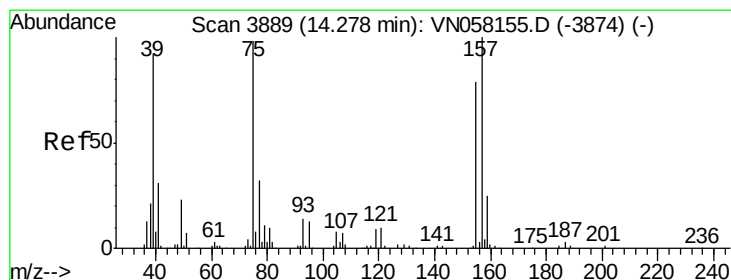
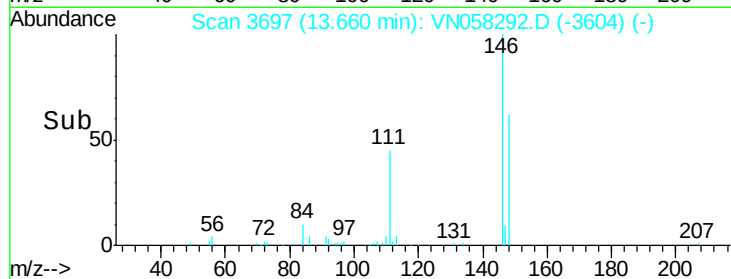
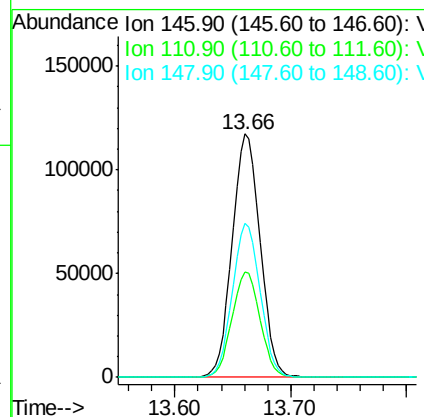
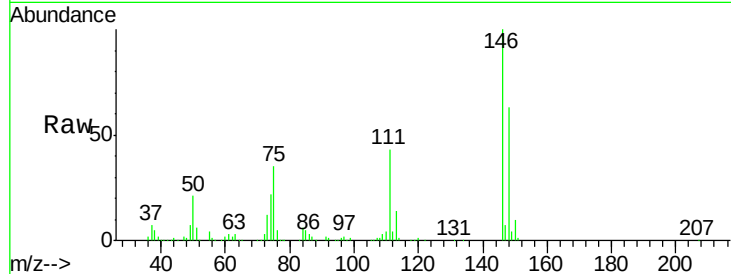
#91
 1,2-Dichlorobenzene
 Concen: 20.984 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.1
148	62.8	31.8	95.4

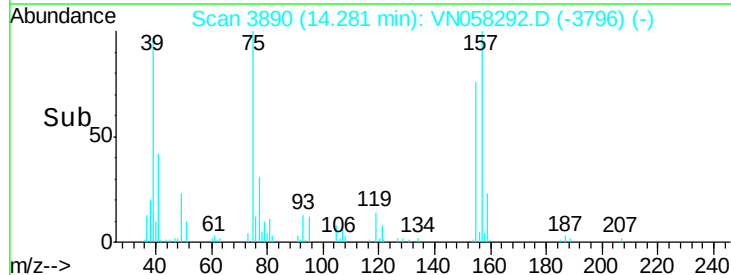
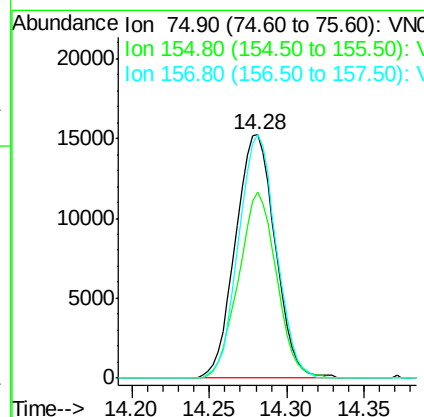
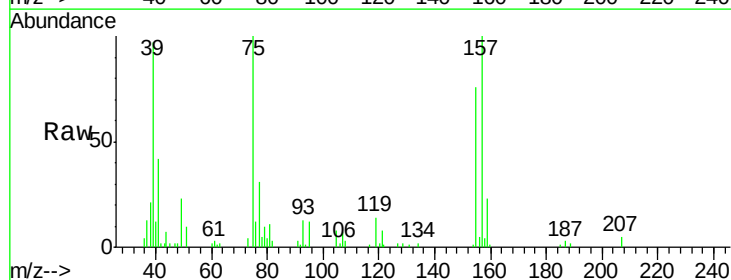
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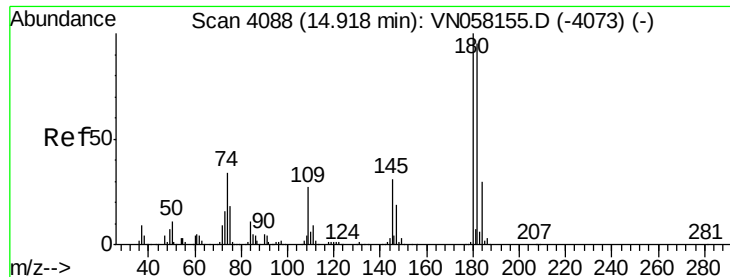
MMDadoda
 9/25/2019 12:47:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.379 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	38.3	114.8
157	94.3	48.0	144.0





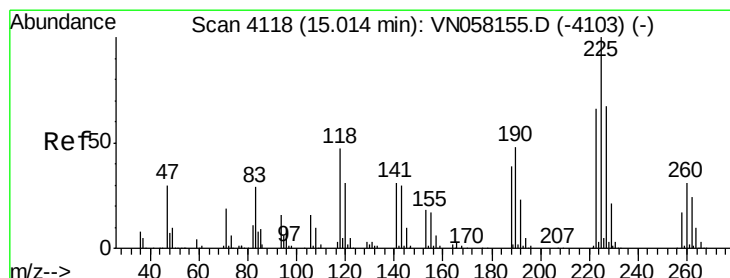
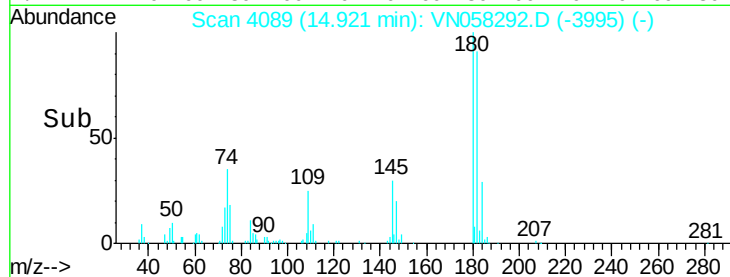
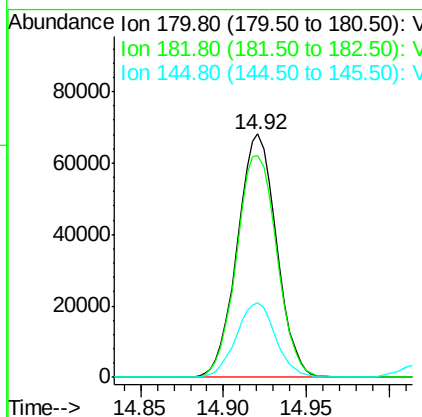
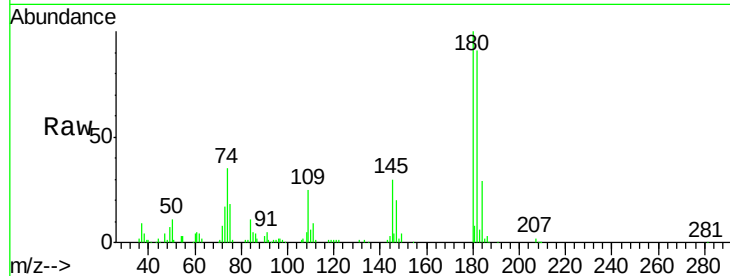
#93
 1,2,4-Trichlorobenzene
 Concen: 18.797 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111726		
182	94.3	47.8	143.3	
145	30.9	15.4	46.4	

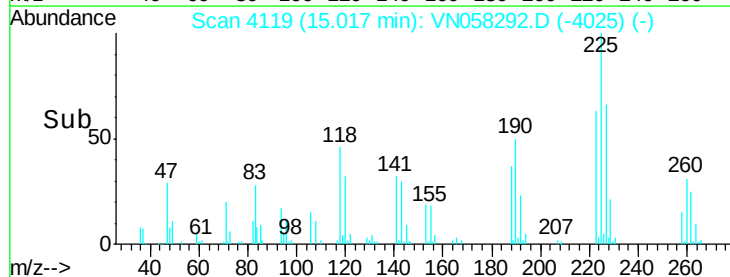
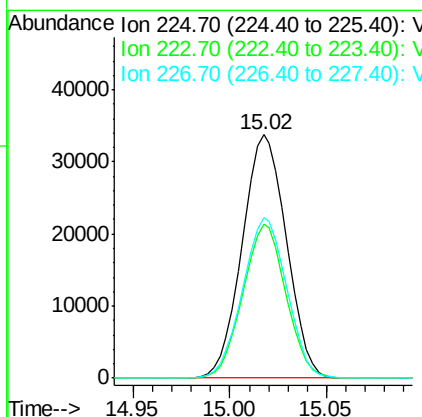
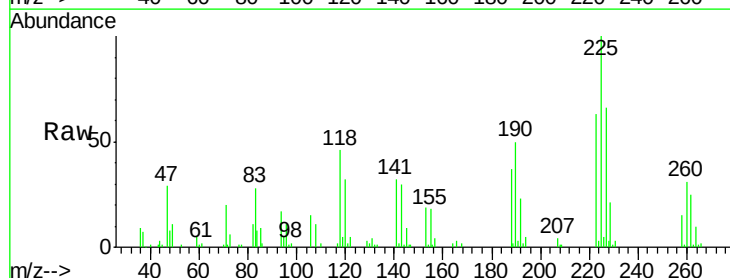
Manual Integrations
 APPROVED

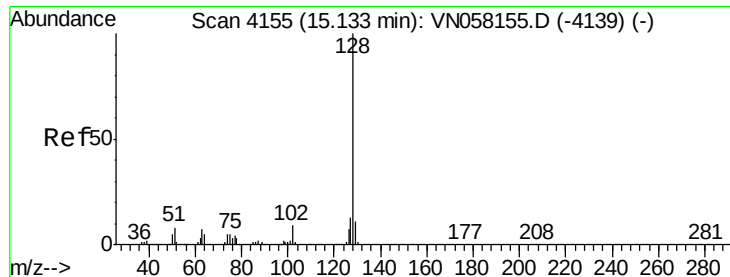
MMDadoda
 9/25/2019 12:47:44 AM



#94
 Hexachlorobutadiene
 Concen: 18.711 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058292.D
 Acq: 23 Sep 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53755		
223	61.3	32.6	97.7	
227	65.6	33.0	99.0	





#95

Naphthalene

Concen: 20.750 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Instrument :

MSVOA_N

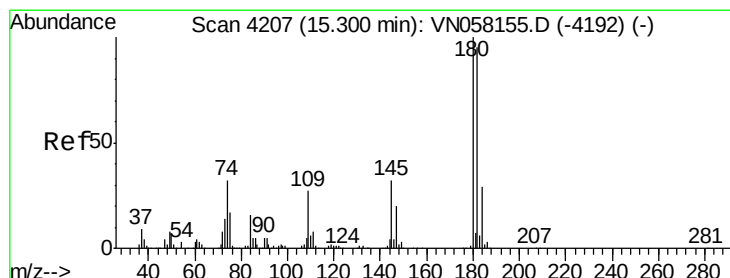
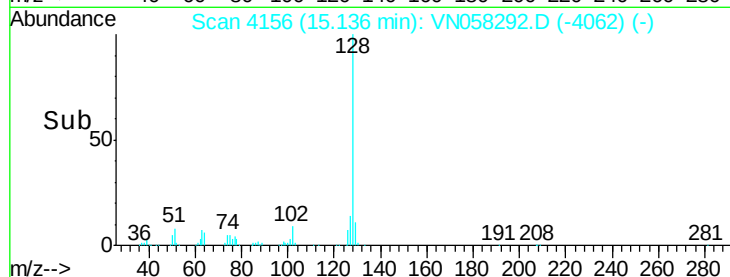
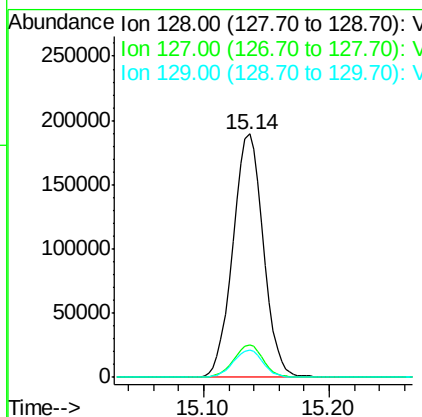
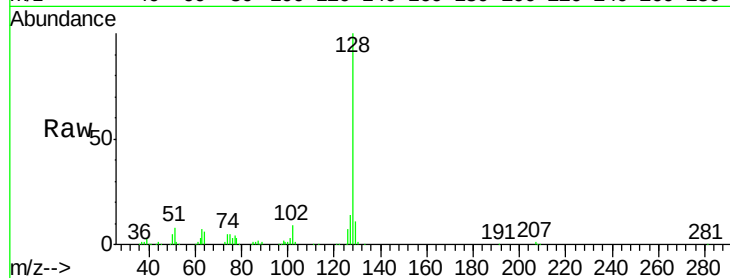
ClientSampleId :

VN0923MBSD01

Tot Ion:	128	Resp:	319626
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.983 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058292.D

Acq: 23 Sep 2019 15:07

Tgt Ion:	180	Resp:	106648
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.2
145	32.7	16.1	48.2

