

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058239.D
 Acq On : 20 Sep 2019 10:58
 Operator : JC/SP
 Sample : VN0920WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0920WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:29:42 PM

Quant Time: Sep 21 06:46:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	434013	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	390588	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	199435	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	198297	29.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.90%
63) Toluene-d8	10.09	98	562149	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	90479	20.142	ug/l 98
3) Chloromethane	2.04	50	94940	16.950	ug/l 98
4) Vinyl Chloride	2.17	62	98079	17.114	ug/l 98
5) Bromomethane	2.55	94	49708	13.898	ug/l 94
6) Chloroethane	2.69	64	60299	16.930	ug/l 97
7) Trichlorofluoromethane	3.00	101	123079	18.590	ug/l 99
8) Diethyl Ether	3.39	74	53050	19.862	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84285	20.387	ug/l 99
10) 1,1-Dichloroethene	3.72	96	76202	19.383	ug/l 95
11) Methyl Iodide	3.93	142	76894	14.619	ug/l 97
12) Methyl Acetate	4.30	43	108432	20.098	ug/l 94
13) Acrolein	3.58	56	29948	102.308	ug/l 95
14) Acrylonitrile	4.96	53	218014	99.125	ug/l # 92
15) Acetone	3.80	58	60024	96.131	ug/l 96
16) Carbon Disulfide	4.03	76	159418	17.414	ug/l 99
17) Allyl chloride	4.30	41	141112	19.589	ug/l 95
18) Methylene Chloride	4.53	84	95700	19.318	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	84820	19.358	ug/l 98
20) Diisopropyl ether	5.93	45	327641	19.455	ug/l 99
21) 1,1-Dichloroethane	5.83	63	184386	19.856	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	104958	19.550	ug/l 100
23) tert-Butyl Alcohol	4.75	59	58706	81.763	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	295979	19.642	ug/l # 100
25) Chloroform	7.36	83	185185	19.588	ug/l 100
26) Cyclohexane	7.64	56	151057	19.360	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	135734	19.880	ug/l 99
30) 2-Butanone	6.82	43	298349	96.913	ug/l 99
31) 2,2-Dichloropropane	6.81	77	141895	19.684	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	153375	19.980	ug/l 99
33) Carbon Tetrachloride	7.76	117	120668	19.269	ug/l 96
34) Benzene	8.03	78	405678	20.053	ug/l 97
35) Methacrylonitrile	7.16	41	49168m	17.219	ug/l
36) 1,2-Dichloroethane	8.11	62	161760	20.605	ug/l 97
37) Trichloroethene	8.82	130	94481	19.228	ug/l 94
38) Methylcyclohexane	9.07	83	150665	19.379	ug/l 99
39) 1,2-Dichloropropane	9.11	63	111116	19.558	ug/l 96
40) Dibromomethane	9.20	93	70799	20.489	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	132703	19.048	ug/l	96
42) Vinyl Acetate	5.87	43	1287801	104.082	ug/l	99
43) Ethyl Acetate	6.91	43	121687	19.374	ug/l #	82
44) Isopropyl Acetate	8.15	43	210817	19.251	ug/l #	92
45) 1,4-Dioxane	9.19	88	26093	303.218	ug/l	95
46) Methyl methacrylate	9.19	41	101107	18.900	ug/l	98
47) n-amyl Acetate	12.07	43	181036	17.996	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	137643	18.559	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	158134	19.003	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	100838	20.118	ug/l	98
51) Ethyl methacrylate	10.43	69	147103	18.928	ug/l	96
52) 1,3-Dichloropropane	10.71	76	173439	19.786	ug/l	98
53) Dibromochloromethane	10.90	129	89601	18.101	ug/l	100
54) 1,2-Dibromoethane	11.00	107	94607	18.970	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	339933	92.049	ug/l	99
56) Bromoform	12.13	173	53895	17.575	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	636306	105.050	ug/l	99
59) 2-Hexanone	10.75	43	451274	99.281	ug/l	100
61) Tetrachloroethene	10.63	164	77463	19.506	ug/l	97
62) Toluene	10.15	91	439574	20.325	ug/l	100
64) Chlorobenzene	11.43	112	260894	19.446	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	92983	19.961	ug/l	97
66) Ethyl Benzene	11.51	91	482834	20.456	ug/l	100
67) m/p-Xylenes	11.62	106	351372	39.002	ug/l	97
68) o-Xylene	11.95	106	170010	19.263	ug/l	99
69) Styrene	11.97	104	292520	19.439	ug/l	99
70) Isopropylbenzene	12.25	105	474786	20.348	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	142452	19.535	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	136419m	21.077	ug/l	
73) Bromobenzene	12.53	156	111163	19.900	ug/l	98
74) n-propylbenzene	12.60	91	559796	20.999	ug/l	100
75) 2-Chlorotoluene	12.68	91	328691	19.795	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	399416	20.103	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	32852	17.109	ug/l	99
78) 4-Chlorotoluene	12.78	91	335812	19.827	ug/l	99
79) tert-butylbenzene	13.00	119	344118	19.853	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	393590	19.881	ug/l	99
81) sec-Butylbenzene	13.18	105	470162	20.443	ug/l	99
82) p-Isopropyltoluene	13.29	119	408462	19.832	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	200408	19.301	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	196539	19.226	ug/l	98
85) n-Butylbenzene	13.62	91	372833	19.423	ug/l	99
86) Hexachloroethane	13.88	117	60386	18.407	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	201902	20.032	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23966	18.666	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	118192	19.197	ug/l	98
90) Hexachlorobutadiene	15.02	225	60555	21.416	ug/l	99
91) Naphthalene	15.13	128	312423	18.442	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	112628	19.181	ug/l	99

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

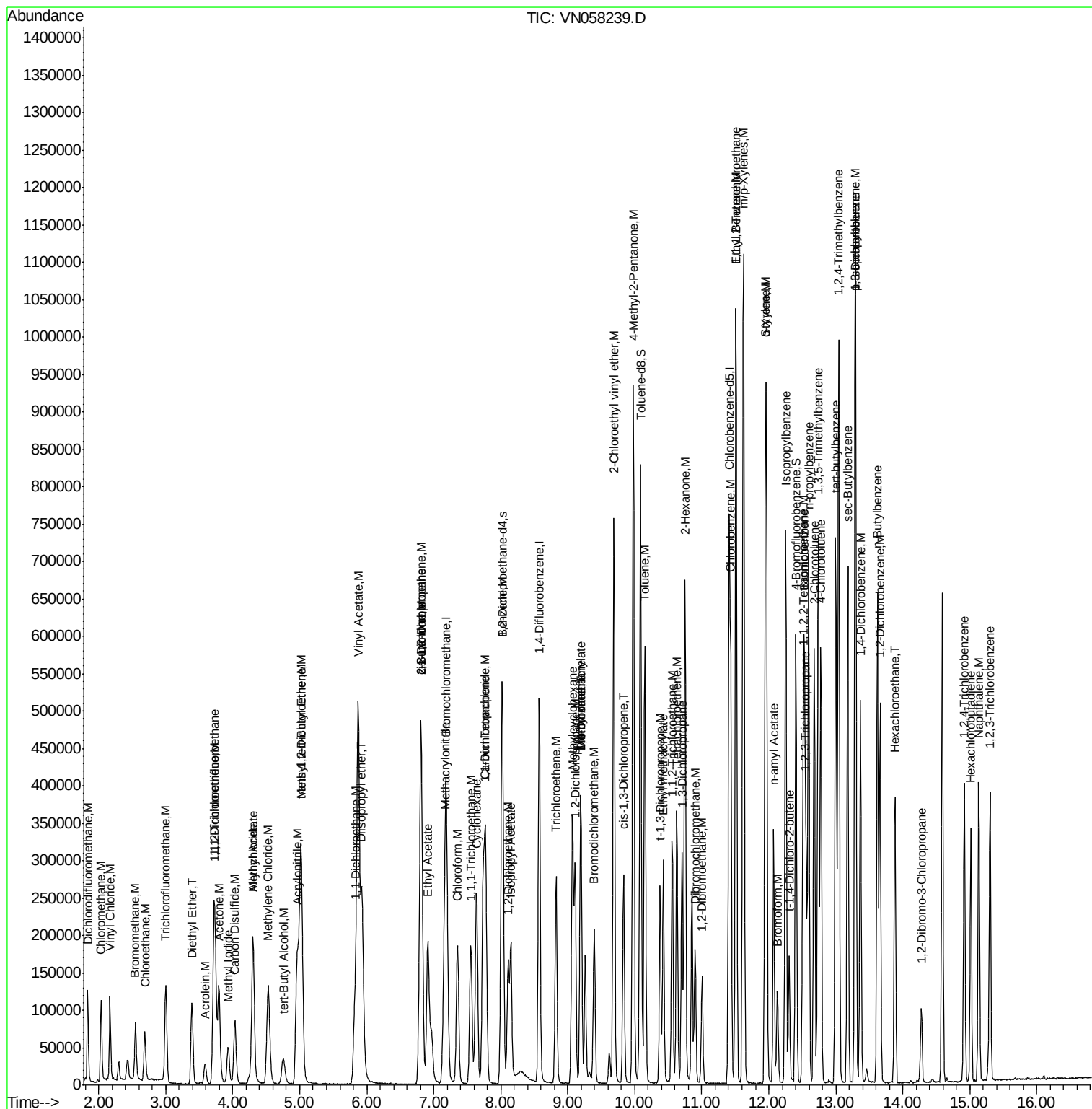
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
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Sample : VN0920WBSD01
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ALS Vial : 7 Sample Multiplier: 1

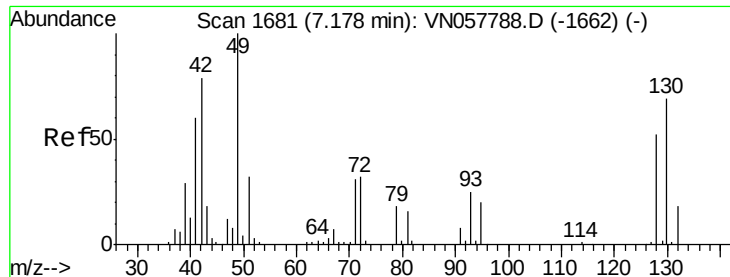
Instrument :
MSVOA_N
Client Sample Id :
VN0920WBSD01

Manual Integrations
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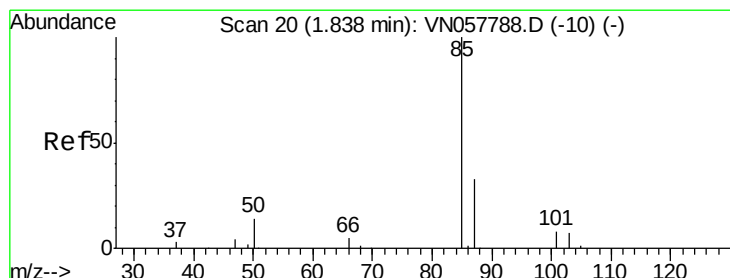
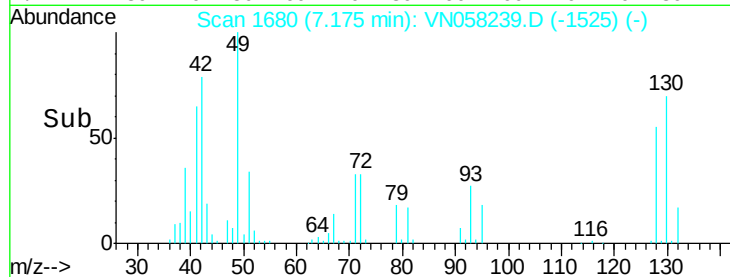
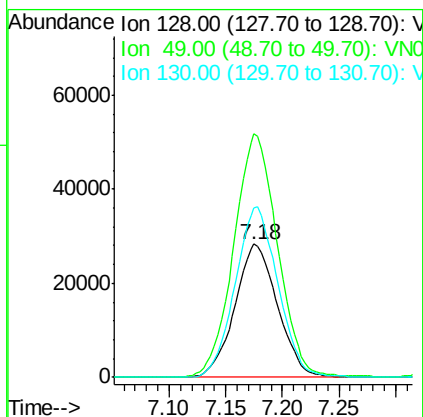
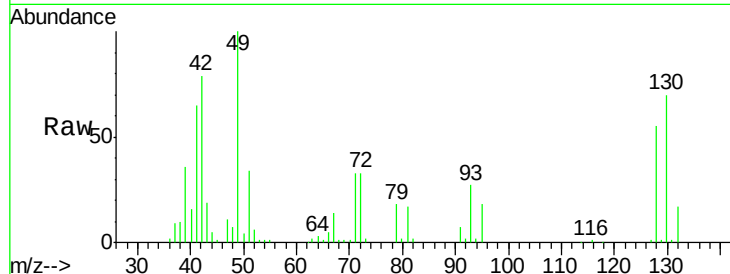
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	187.2	0.0	486.5
130	128.0	0.0	324.5

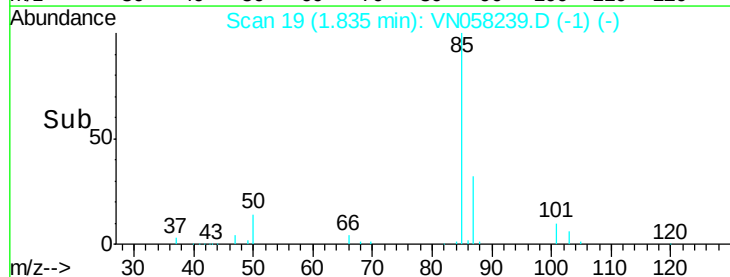
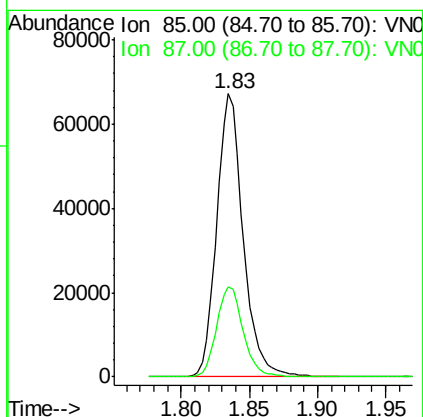
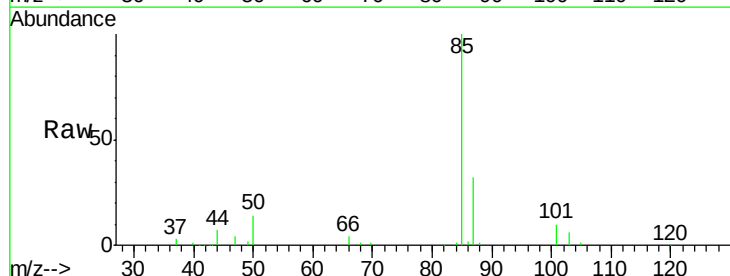
Manual Integrations
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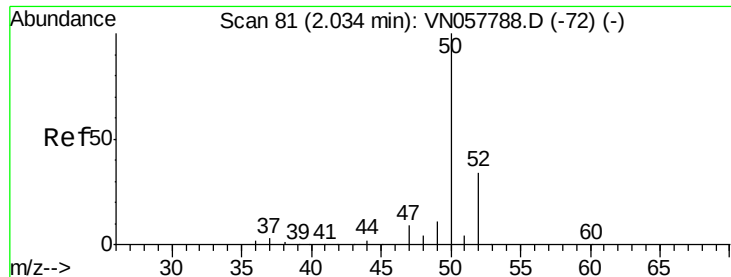
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#2
 Dichlorodifluoromethane
 Concen: 20.142 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.4	49.4





#3

Chloromethane

Concen: 16.950 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0920WBSD01

Tot Ion: 50 Resp: 94940

Ion Ratio Lower Upper

50 100

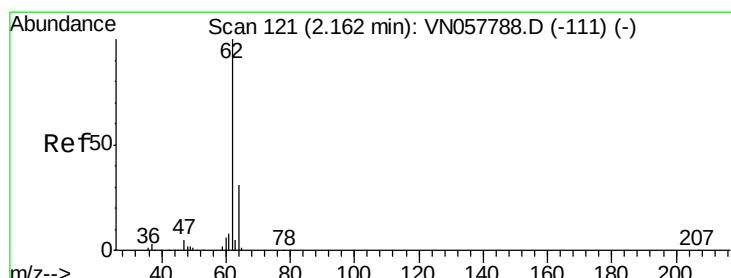
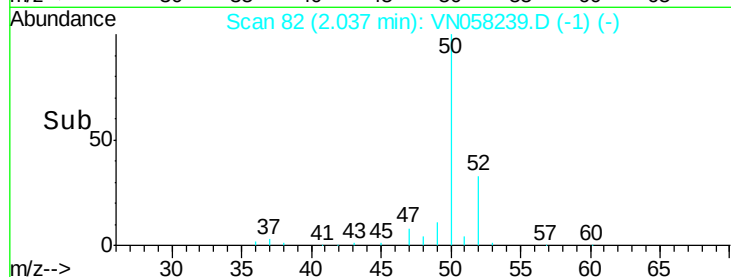
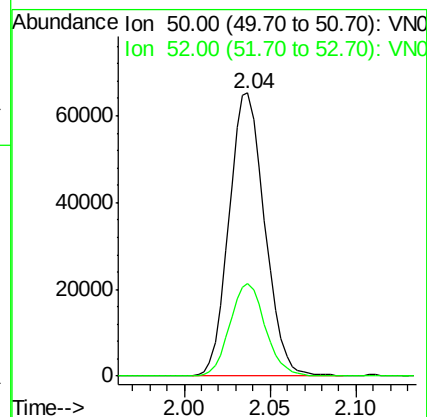
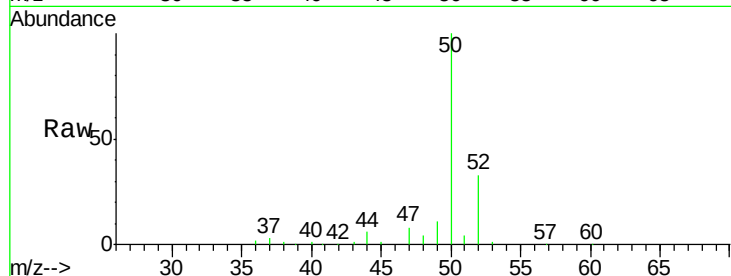
52 32.7 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.114 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058239.D

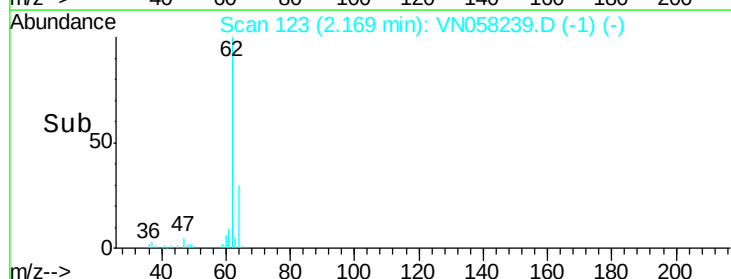
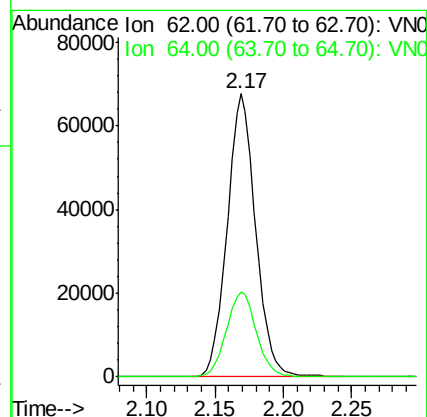
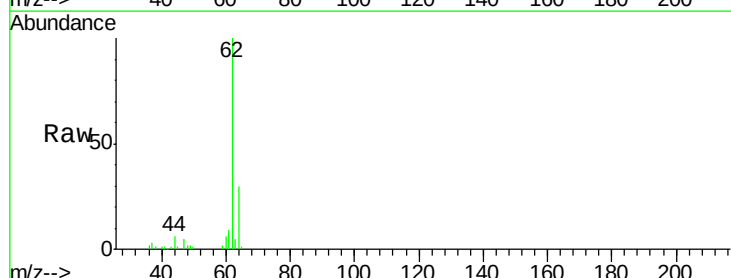
Acq: 20 Sep 2019 10:58

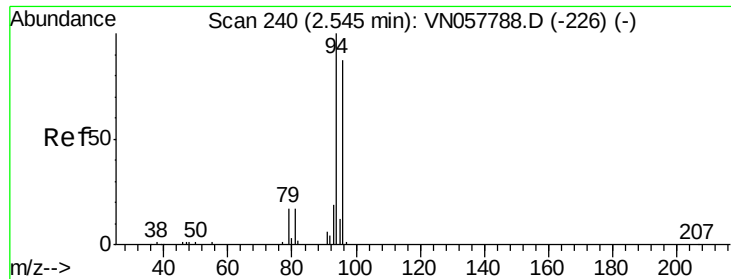
Tgt Ion: 62 Resp: 98079

Ion Ratio Lower Upper

62 100

64 30.2 25.0 37.6





#5

Bromomethane

Concen: 13.898 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 94 Resp: 49708

Ion Ratio Lower Upper

94 100

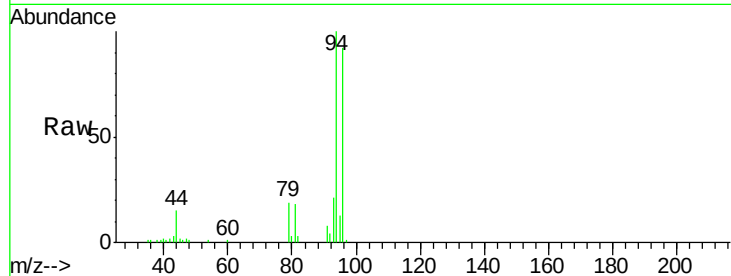
96 92.3 69.2 103.8

Manual Integrations

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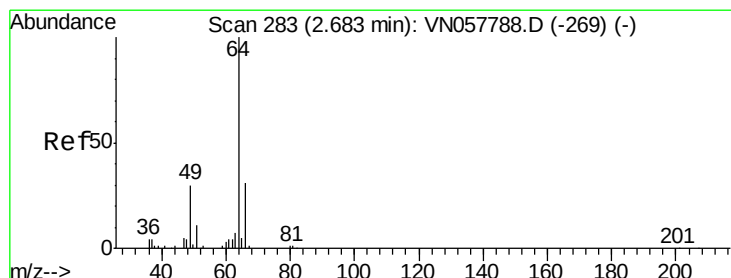
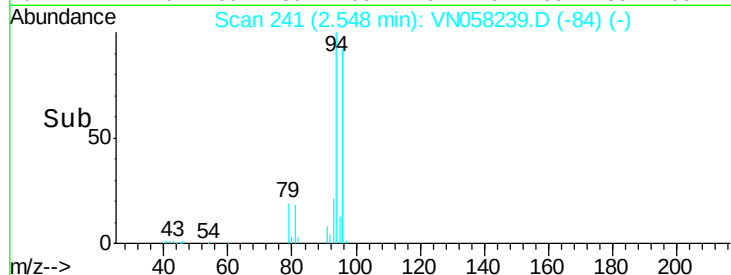
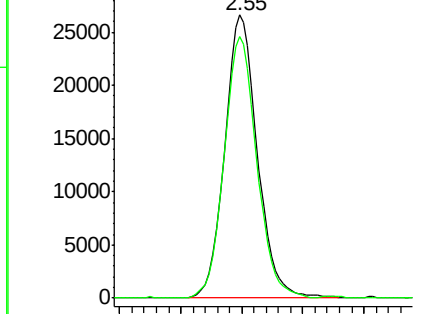
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.930 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058239.D

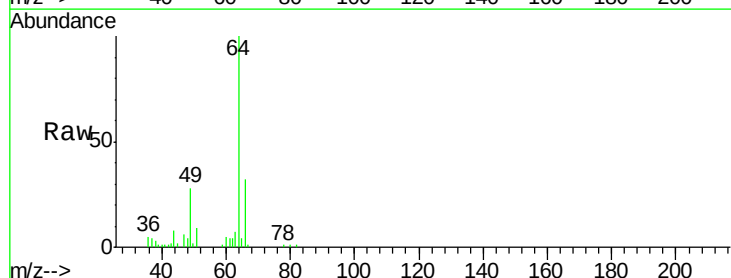
Acq: 20 Sep 2019 10:58

Tgt Ion: 64 Resp: 60299

Ion Ratio Lower Upper

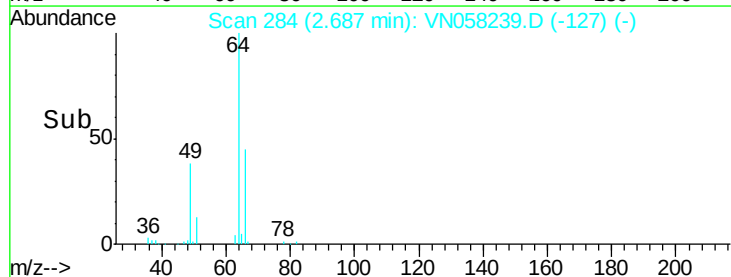
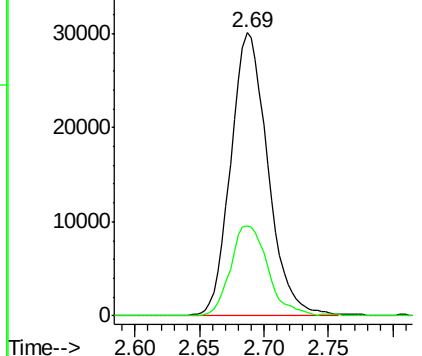
64 100

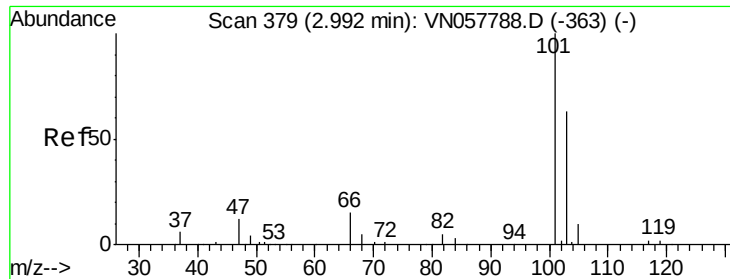
66 32.0 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

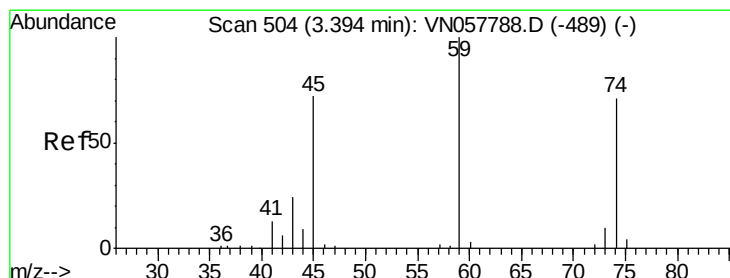
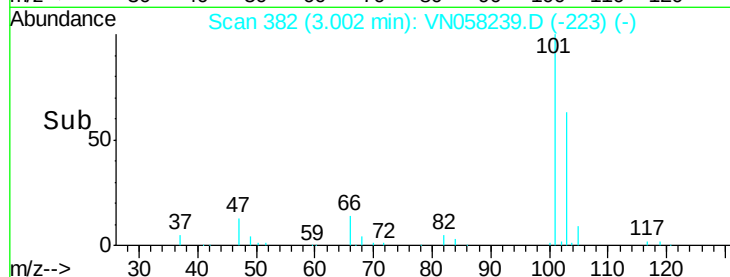
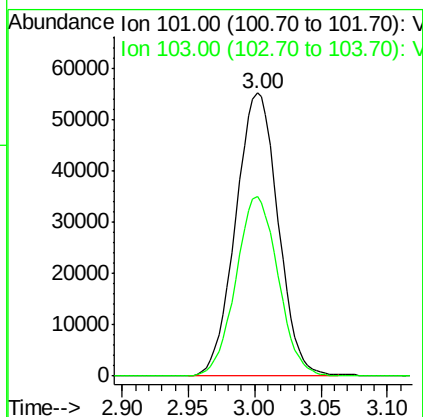
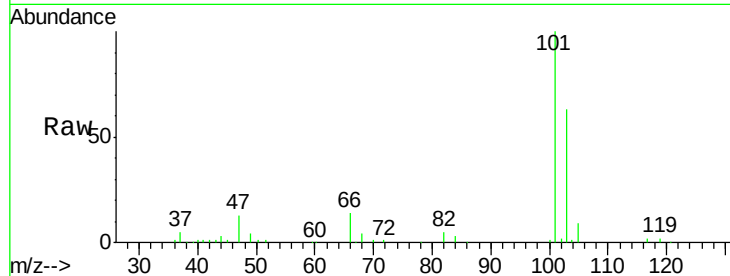
Trichlorofluoromethane
 Concen: 18.590 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.2	75.2

Manual Integrations
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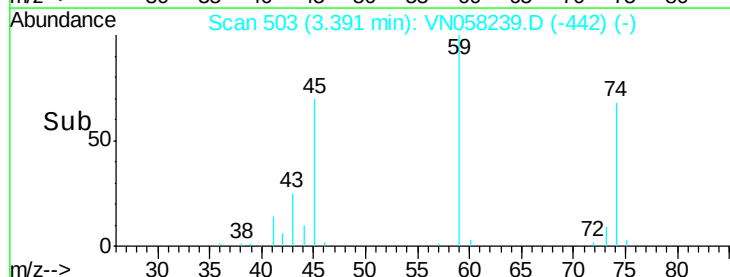
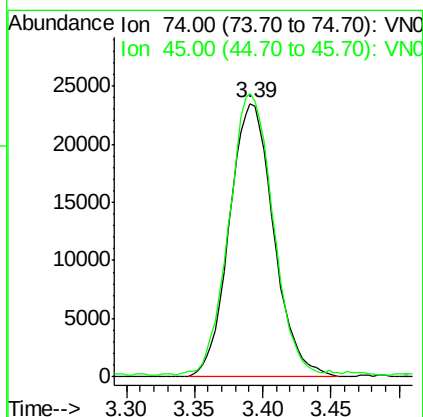
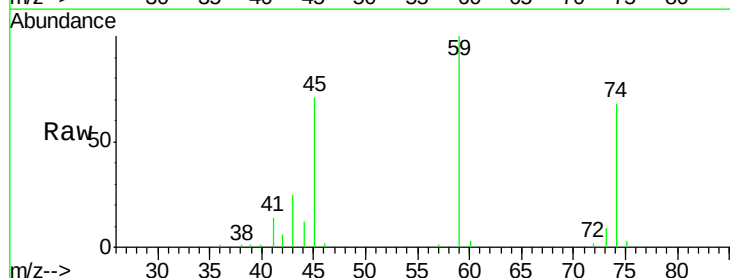
MMDadoda
 9/23/2019 3:29:42 PM

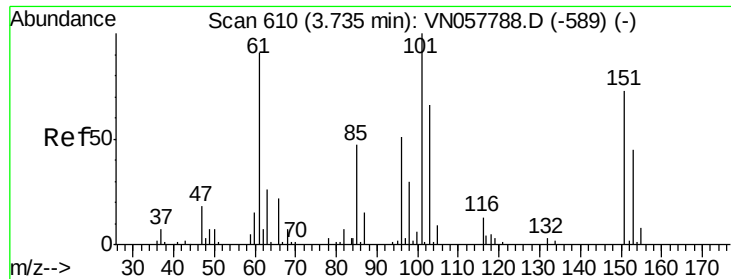


#8

Diethyl Ether
 Concen: 19.862 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	20.3	182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.387 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058239.D

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Instrument :

MSVOA_N

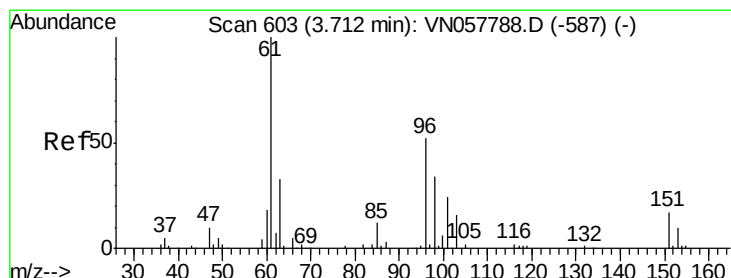
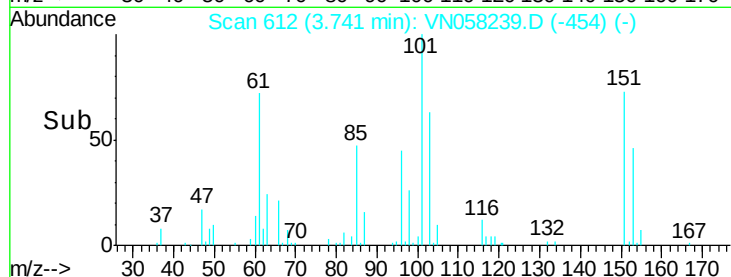
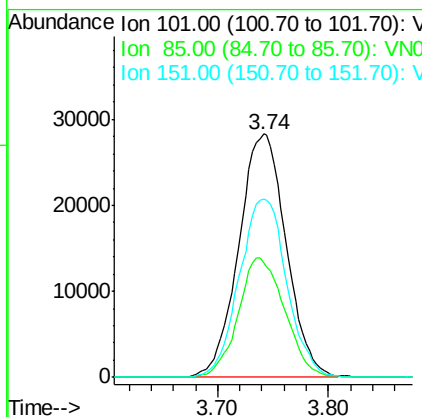
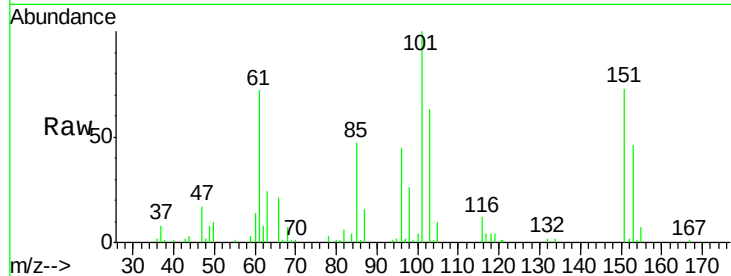
ClientSampleId :

VN0920WBSD01

Tot Ion:	101	Resp:	84285
Ion Ratio	Lower	Upper	
101	100		
85	48.0	0.0	94.0
151	73.3	0.0	144.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.383 ug/l

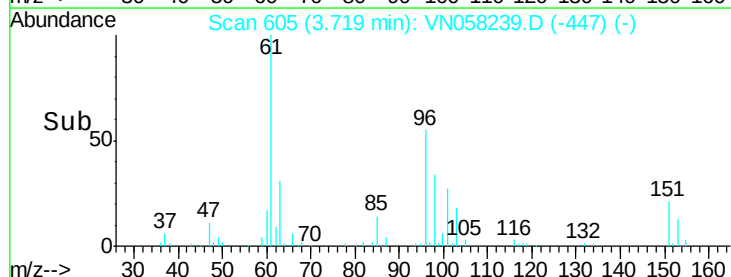
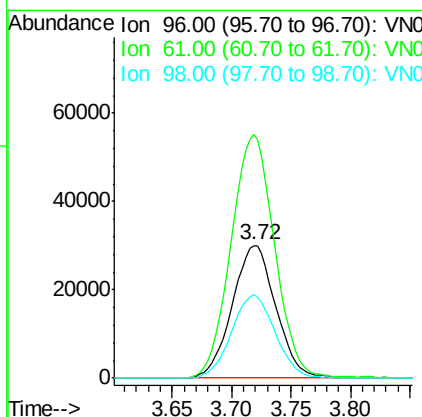
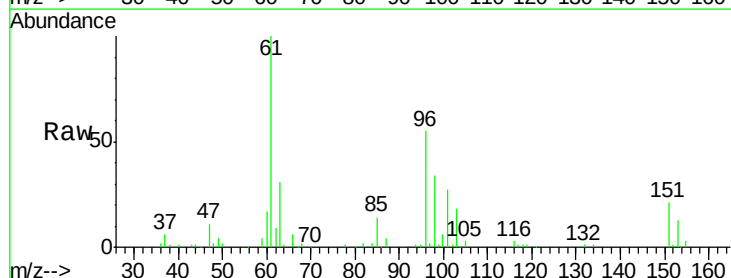
RT: 3.72 min Scan# 605

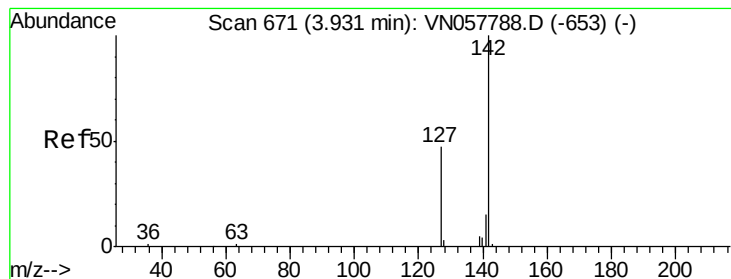
Delta R.T. 0.01 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion:	96	Resp:	76202
Ion Ratio	Lower	Upper	
96	100		
61	182.7	153.4	230.0
98	62.6	51.5	77.3





#11

Methvl Iodide

Concen: 14.619 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

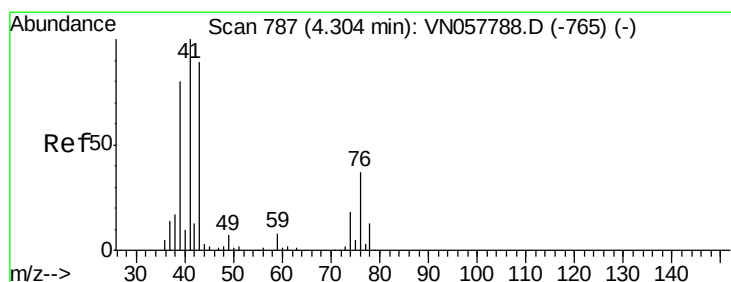
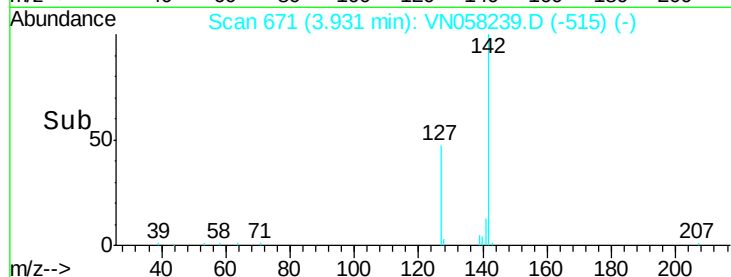
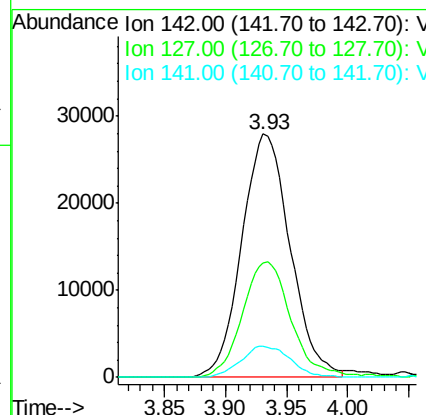
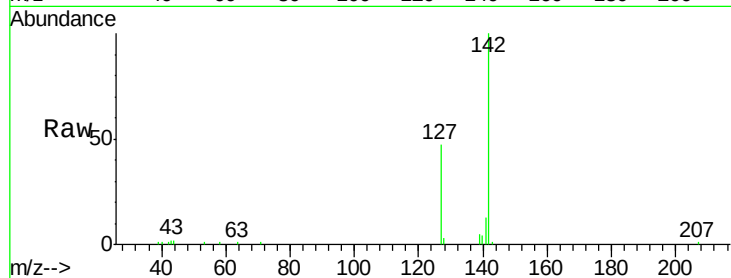
ClientSampleId :

VN0920WBSD01

Tot Ion:	142	Resp:	76894
Ion Ratio	Lower	Upper	
142	100		
127	46.9	23.3	69.8
141	11.5	7.5	22.6

Manual Integrations
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#12

Methyl Acetate

Concen: 20.098 ug/l

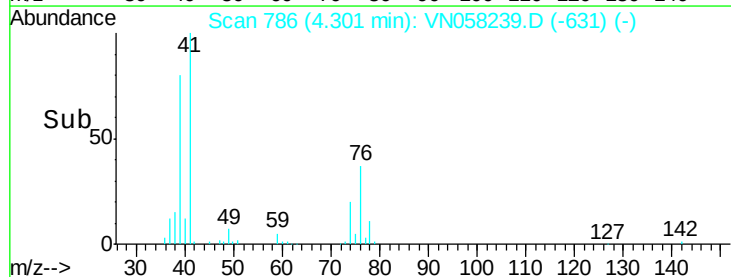
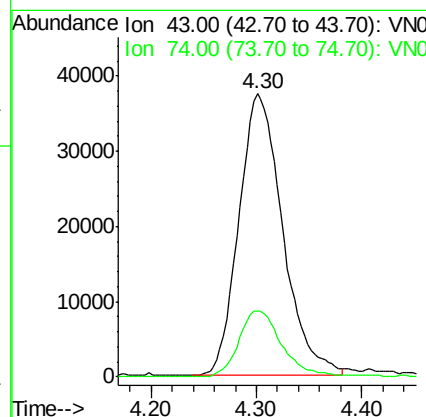
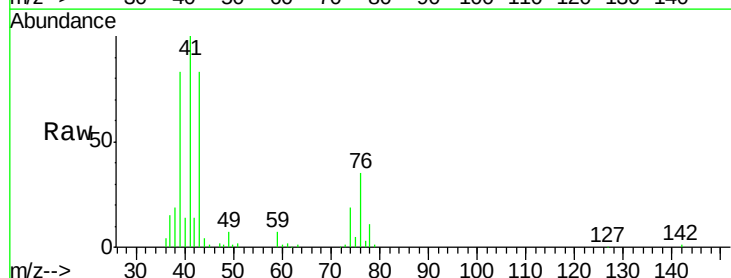
RT: 4.30 min Scan# 786

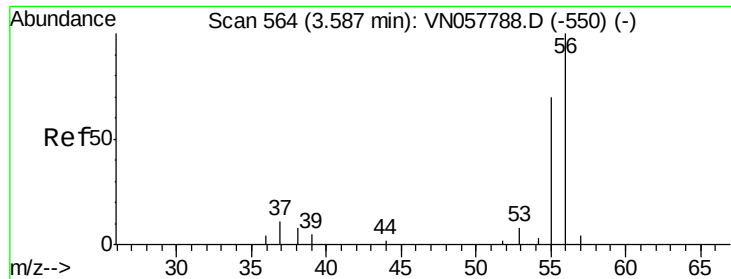
Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion:	43	Resp:	108432
Ion Ratio	Lower	Upper	
43	100		
74	23.3	16.2	24.4





#13

Acrolein

Concen: 102.308 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 56 Resp: 29948

Ion Ratio Lower Upper

56 100

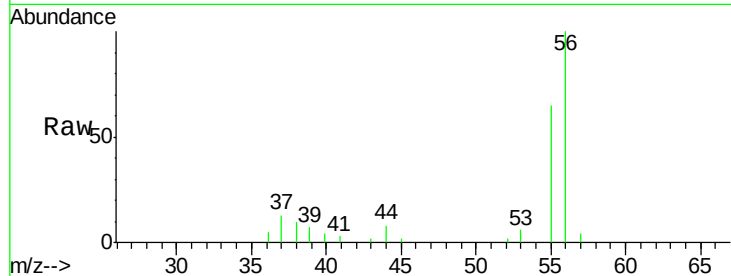
55 69.1 59.0 88.4

Manual Integrations

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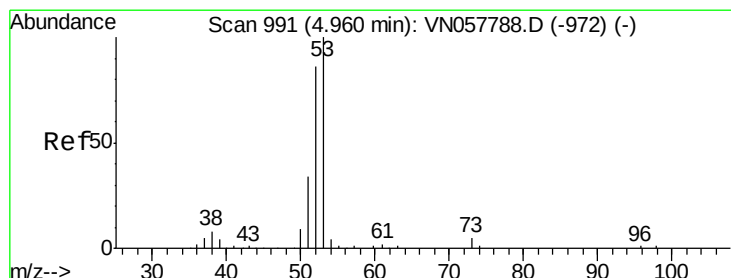
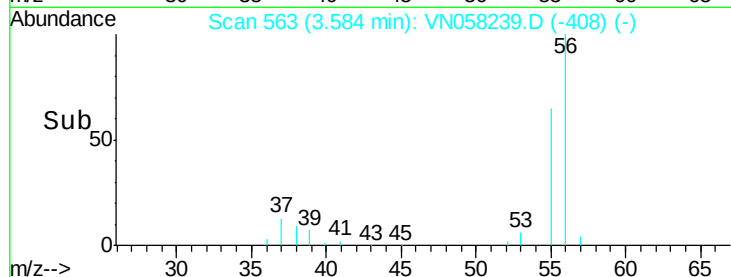
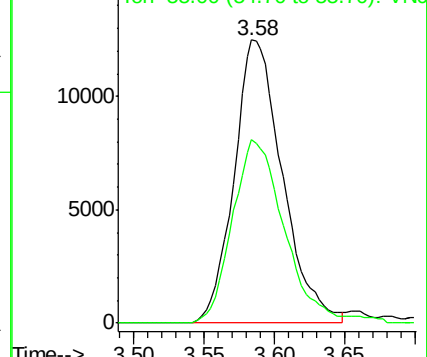
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.125 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

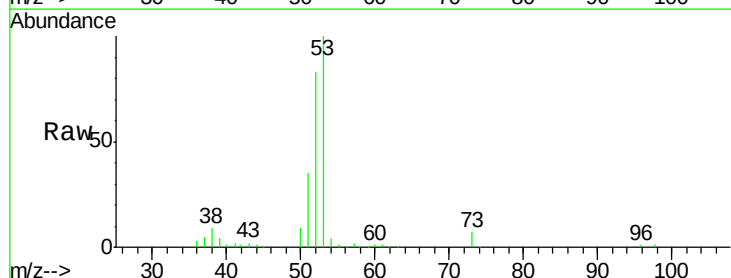
Tgt Ion: 53 Resp: 218014

Ion Ratio Lower Upper

53 100

52 81.7 41.0 123.0

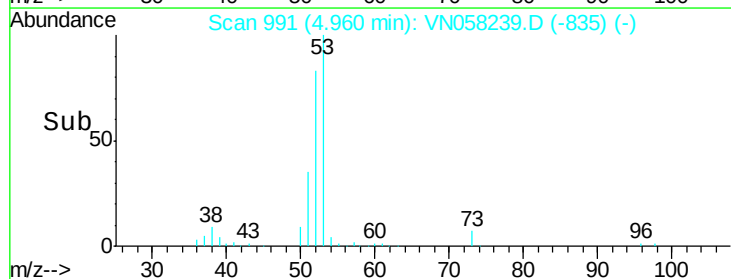
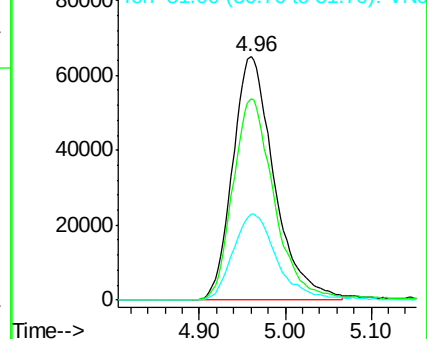
51 37.2 8.6 25.8#

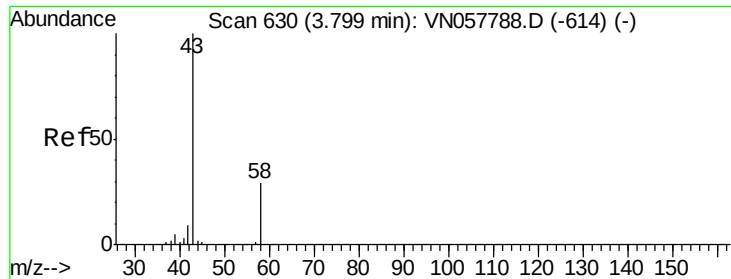


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 96.131 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 58 Resp: 60024

Ion Ratio Lower Upper

58 100

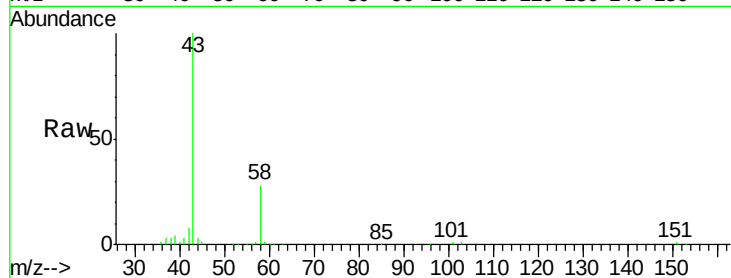
43 355.3 277.7 416.5

Manual Integrations

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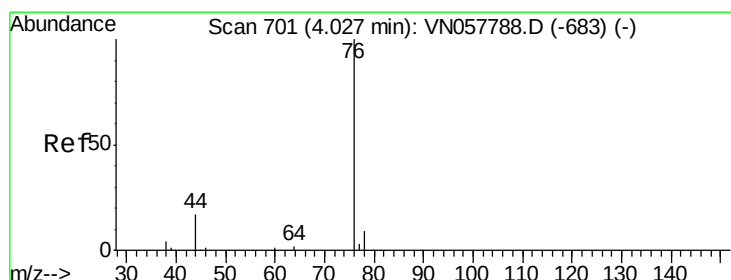
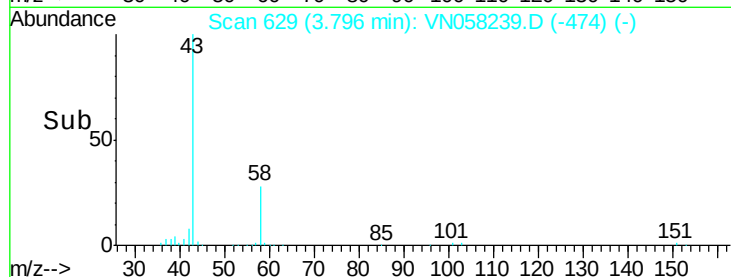
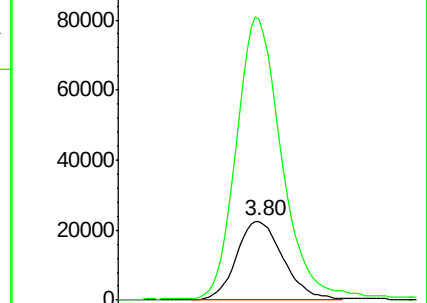
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.414 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058239.D

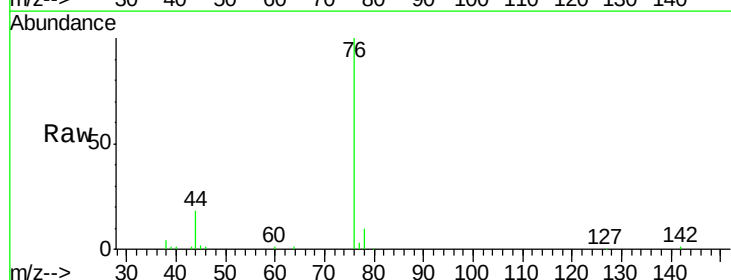
Acq: 20 Sep 2019 10:58

Tgt Ion: 76 Resp: 159418

Ion Ratio Lower Upper

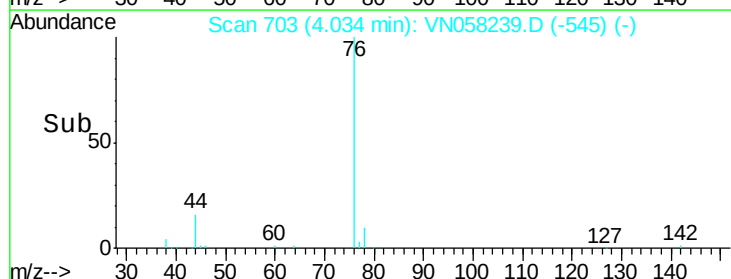
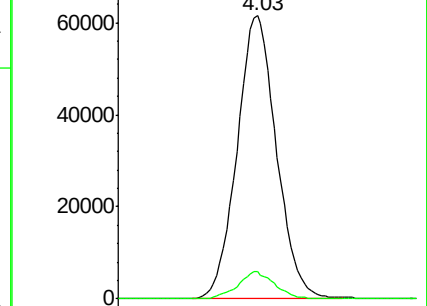
76 100

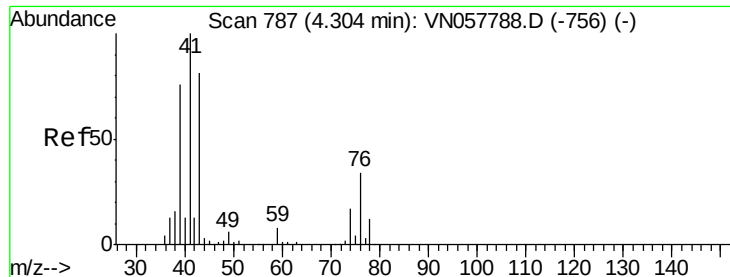
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 19.589 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

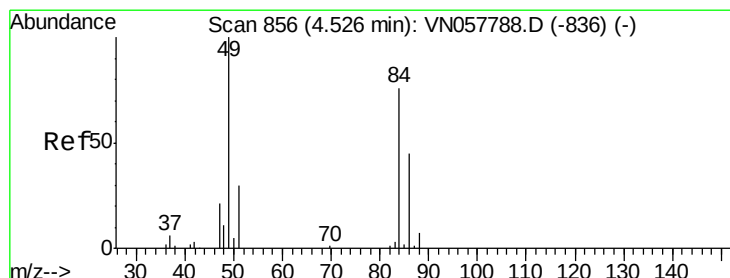
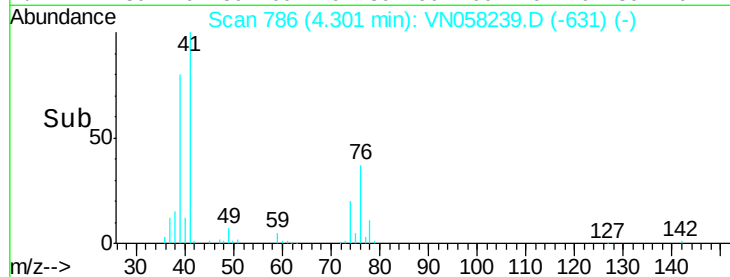
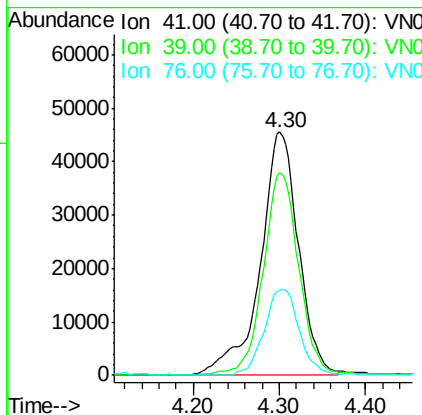
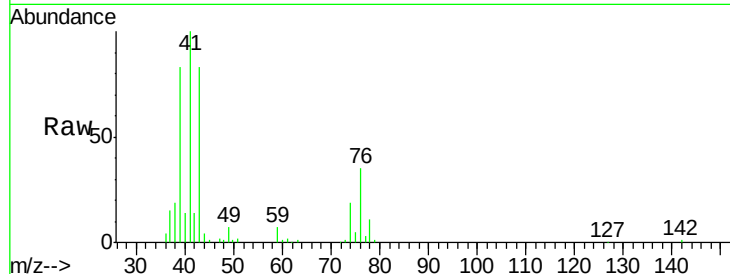
ClientSampleId :

VN0920WBSD01

Tot Ion:	41	Resp:	141112
Ion	Ratio	Lower	Upper
41	100		
39	83.3	38.5	115.3
76	35.0	17.2	51.6

Manual Integrations
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#18

Methylene Chloride

Concen: 19.318 ug/l

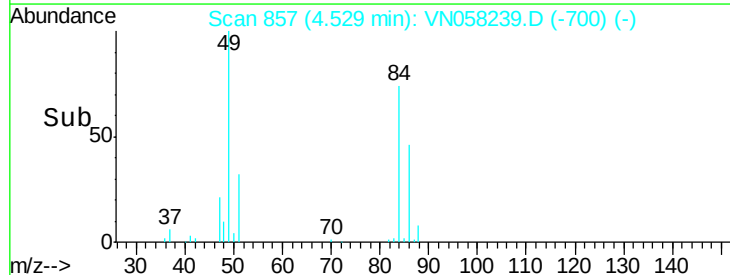
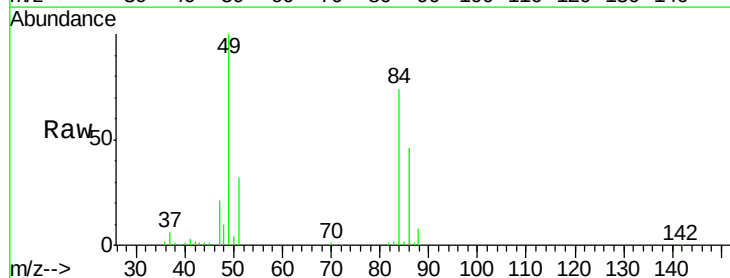
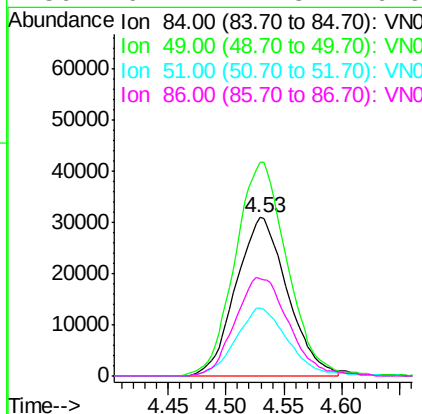
RT: 4.53 min Scan# 857

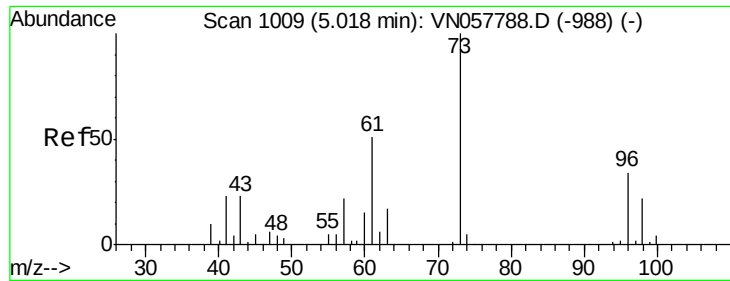
Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion:	84	Resp:	95700
Ion	Ratio	Lower	Upper
84	100		
49	133.2	105.4	158.2
51	43.1	31.3	46.9
86	61.7	47.3	70.9





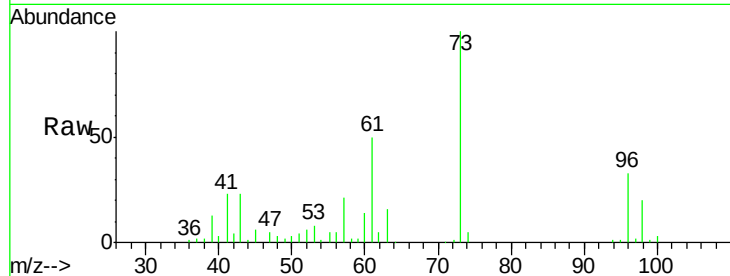
#19
trans-1,2-Dichloroethene
Concen: 19.358 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	121.0	181.6
98	60.3	52.7	79.1

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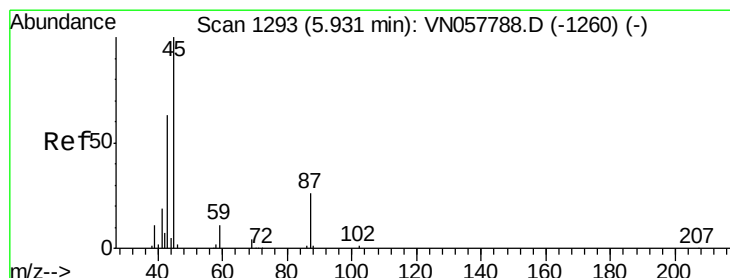
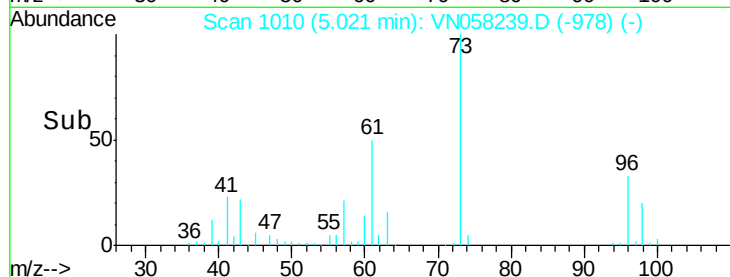
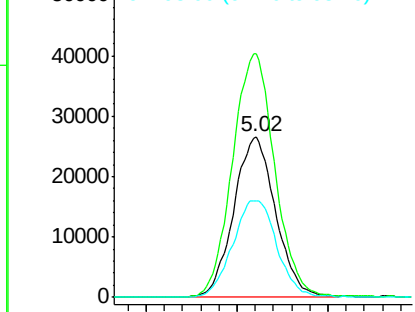


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.455 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.7	55.2	82.8
87	25.9	21.3	31.9
59	11.2	9.1	13.7

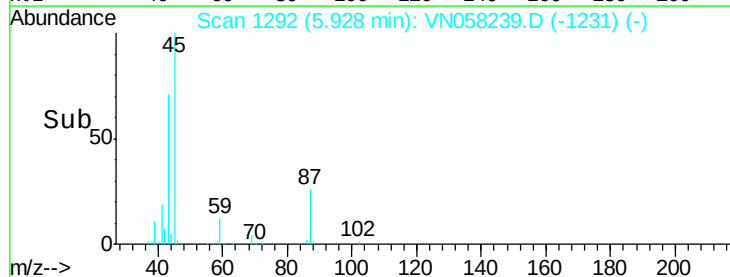
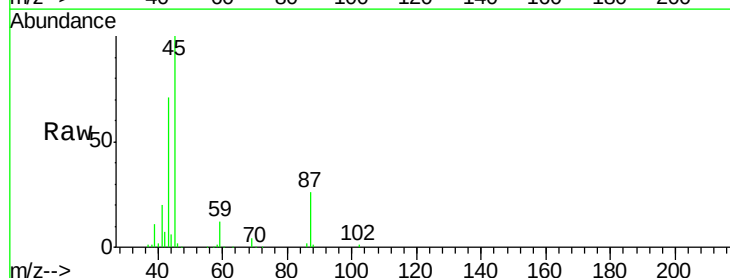
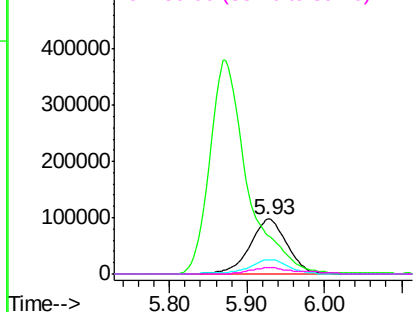
Abundance

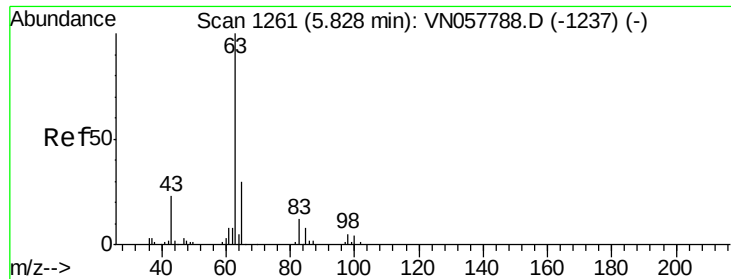
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.856 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

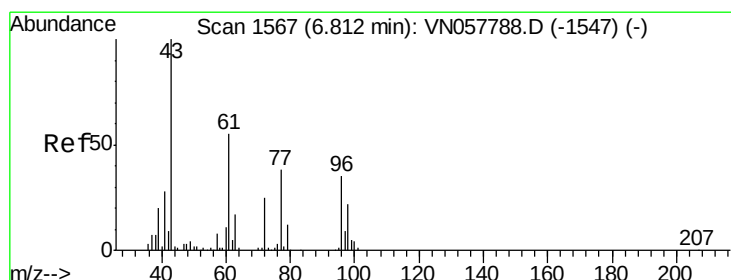
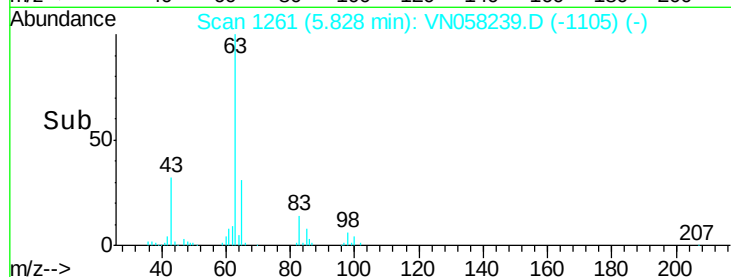
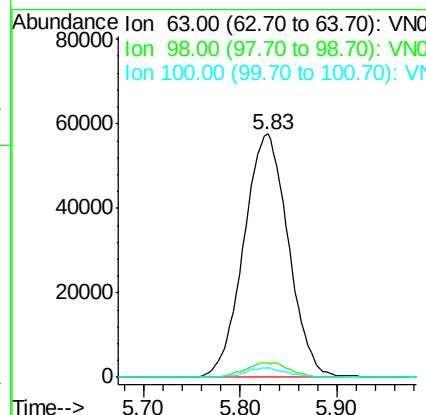
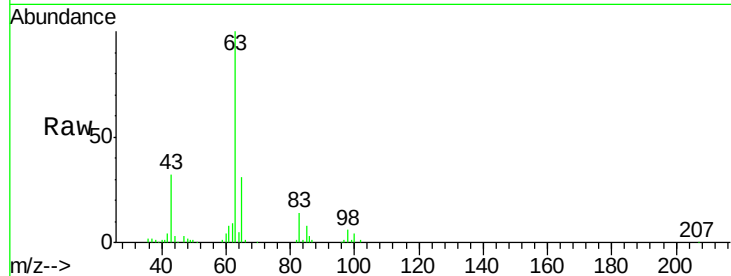
ClientSampleId :

VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	184386		
98	5.9	2.8	8.3	
100	4.0	1.8	5.5	

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.550 ug/l

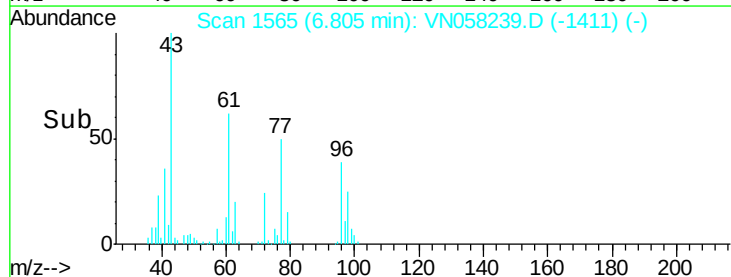
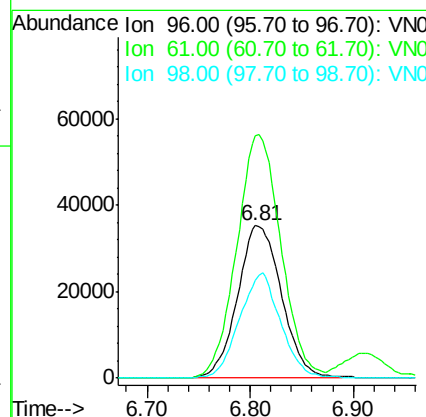
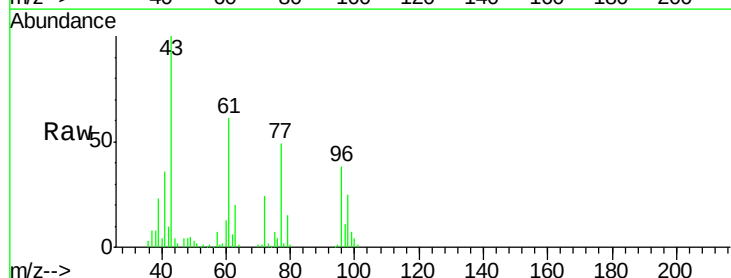
RT: 6.81 min Scan# 1565

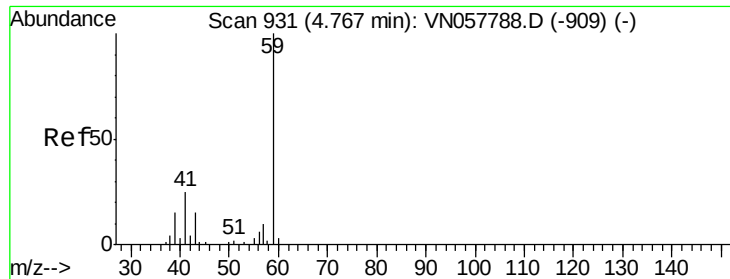
Delta R.T. -0.01 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	104958		
61	159.6	127.4	191.0	
98	64.1	51.5	77.3	





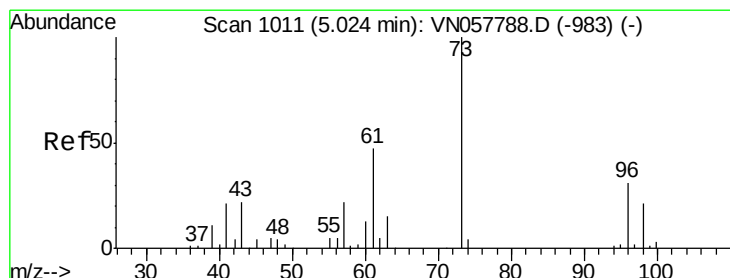
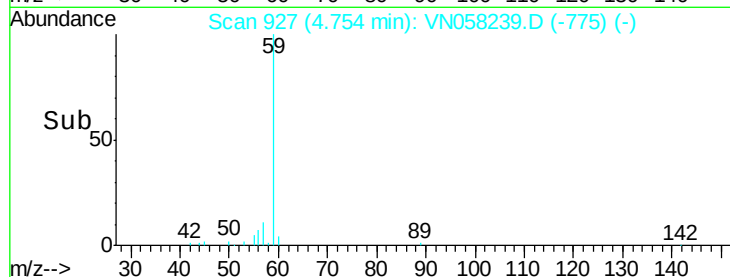
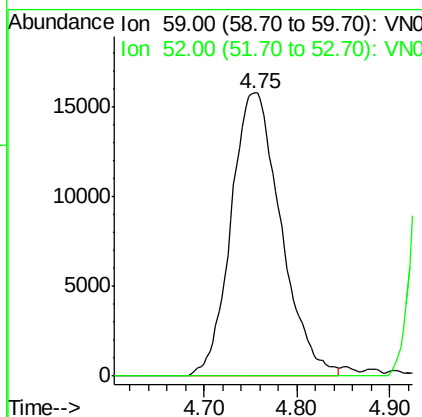
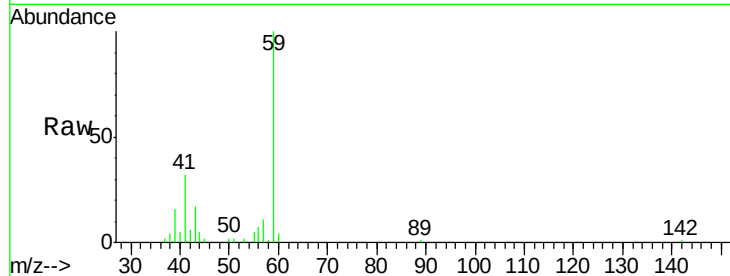
#23
 tert-Butyl Alcohol
 Concen: 81.763 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

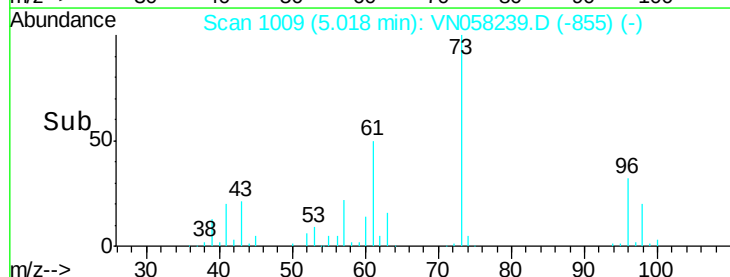
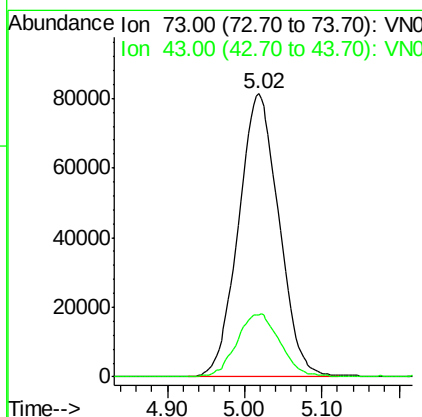
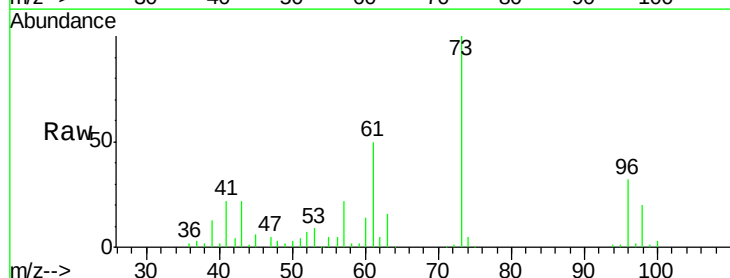
Manual Integrations
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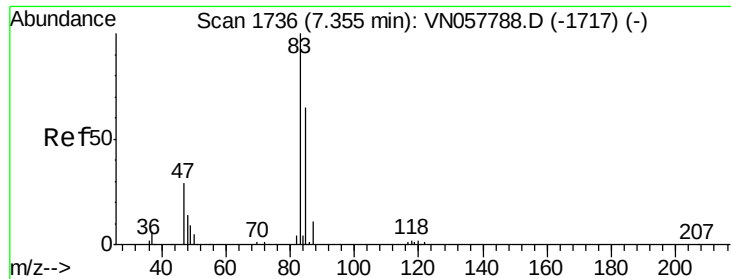
MMDadoda
 9/23/2019 3:29:42 PM



#24
 Methyl tert-Butyl Ether
 Concen: 19.642 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.8	0.0	0.0





#25

Chloroform

Concen: 19.588 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 83 Resp: 185185

Ion Ratio Lower Upper

83 100

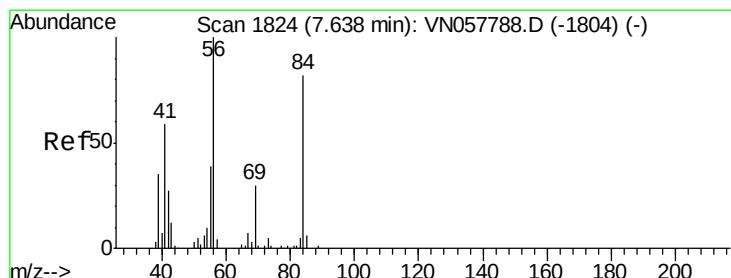
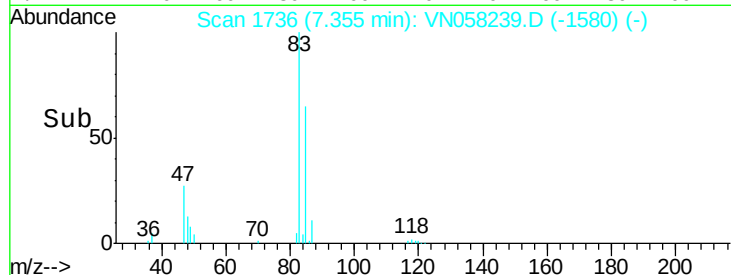
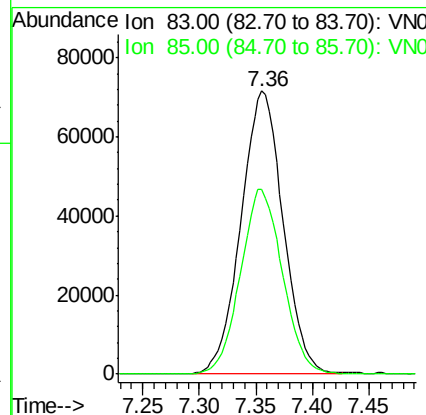
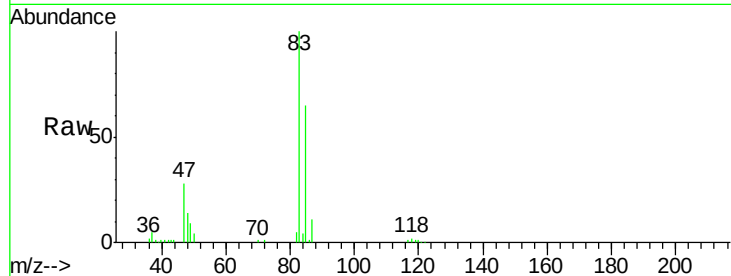
85 65.1 51.8 77.6

Manual Integrations

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9/23/2019 3:29:42 PM



#26

Cyclohexane

Concen: 19.360 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

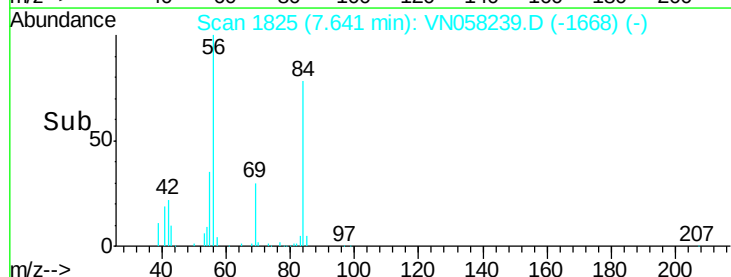
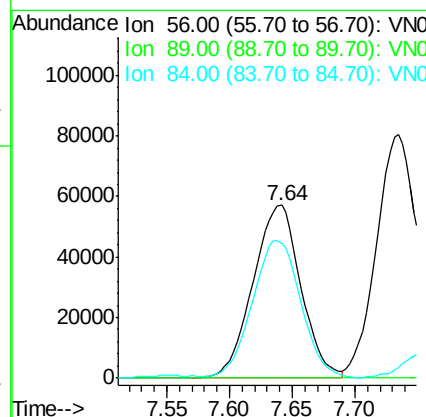
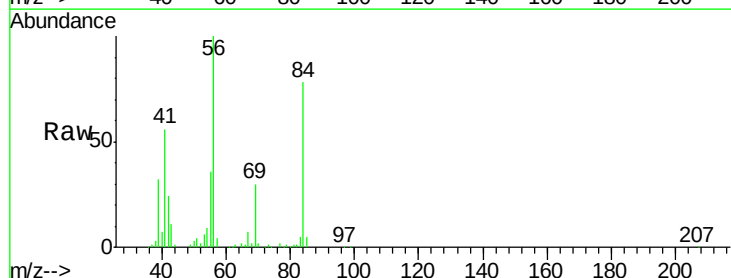
Tgt Ion: 56 Resp: 151057

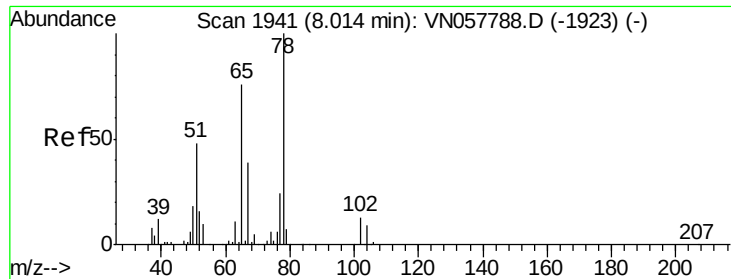
Ion Ratio Lower Upper

56 100

89 0.1 0.3 0.5#

84 81.2 66.6 100.0





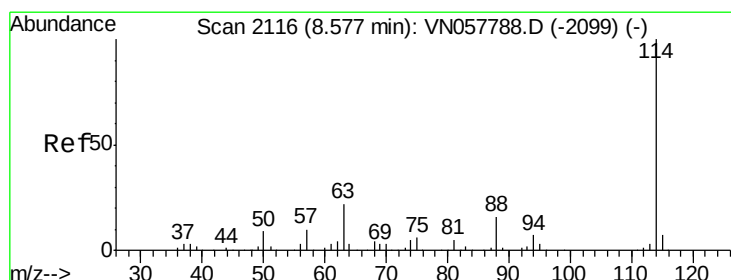
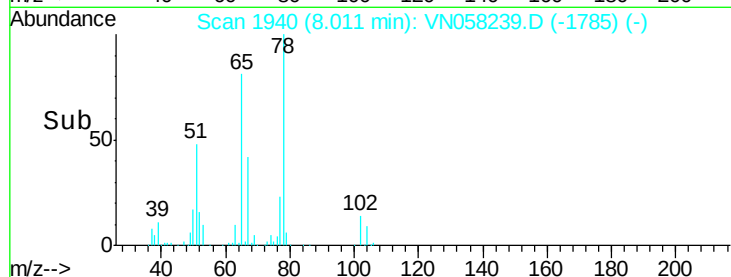
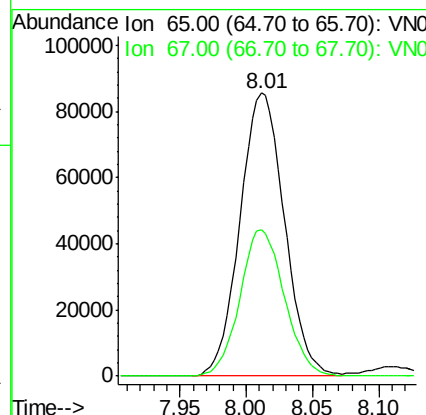
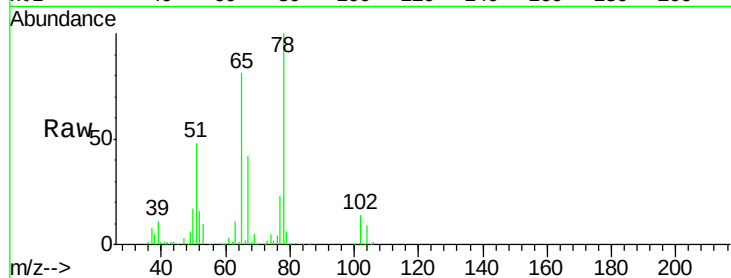
#27
 1,2-Dichloroethane-d4
 Concen: 30.325 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	40.9	61.3

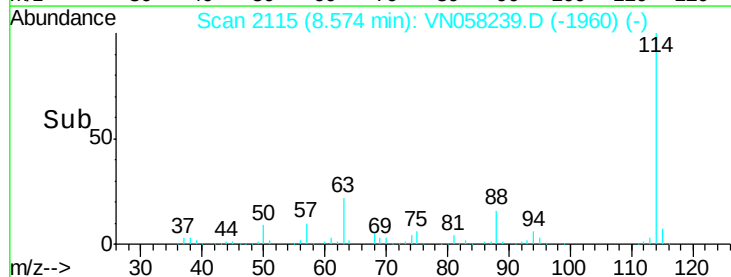
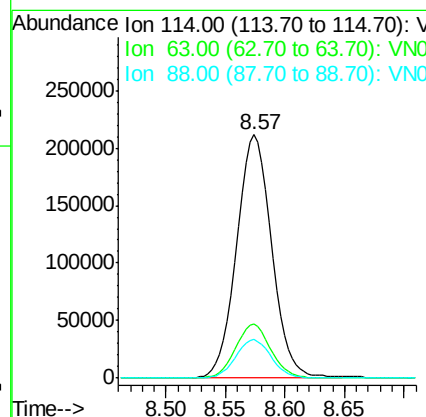
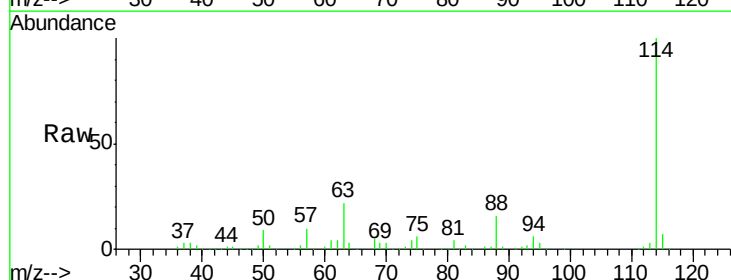
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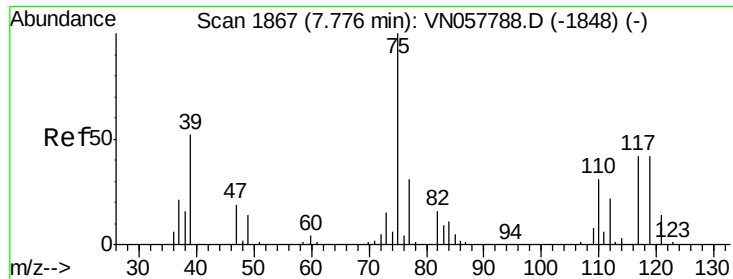
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	18.0	27.0
88	16.1	12.6	19.0





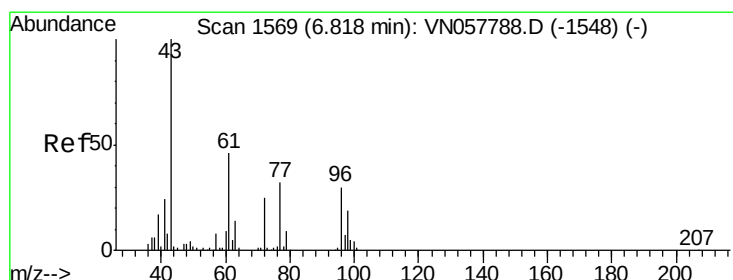
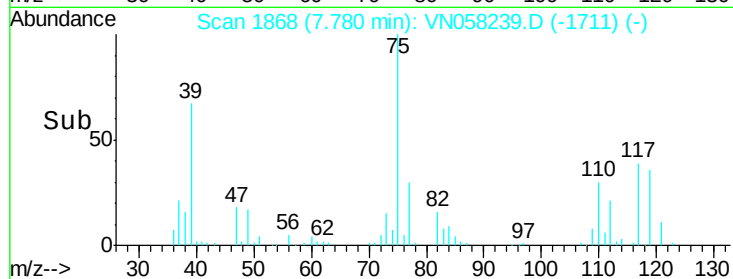
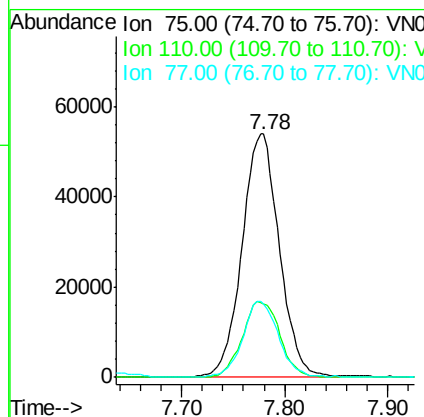
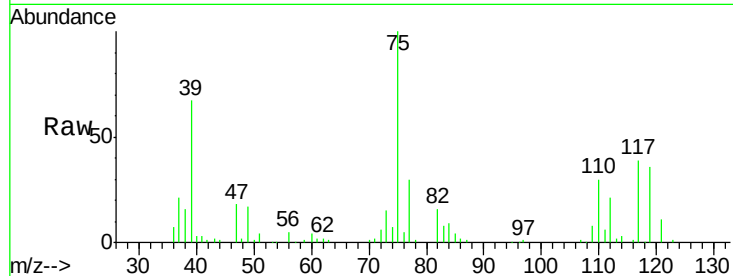
#29
 1,1-Dichloropropene
 Concen: 19.880 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	31.2	0.0	63.8
77	30.0	0.0	60.0

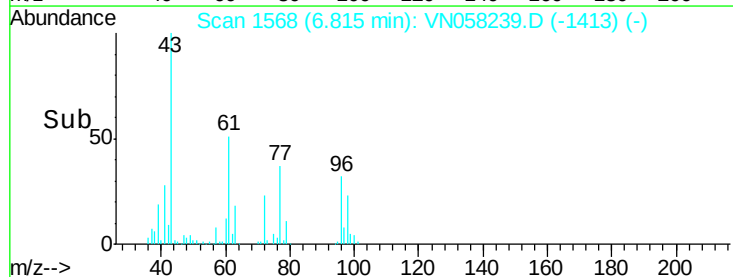
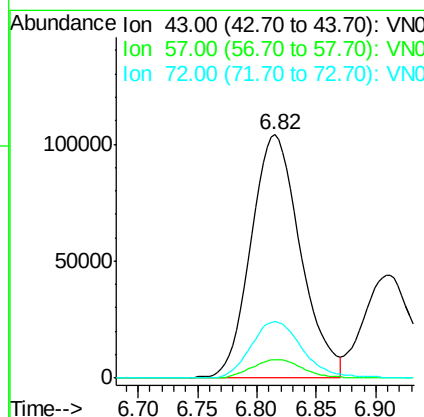
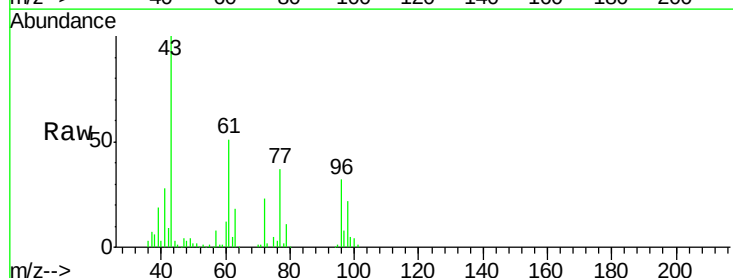
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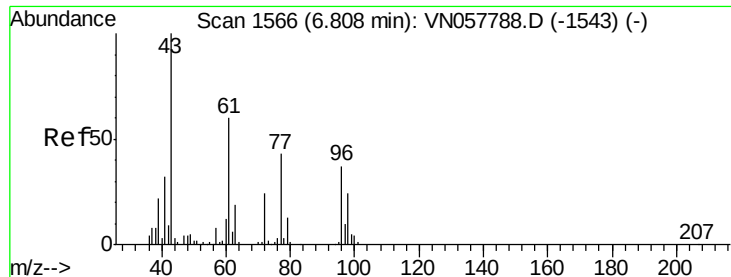
MMDadoda
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#30
 2-Butanone
 Concen: 96.913 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.4	9.6
72	24.5	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.684 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 77 Resp: 141895

Ion Ratio Lower Upper

77 100

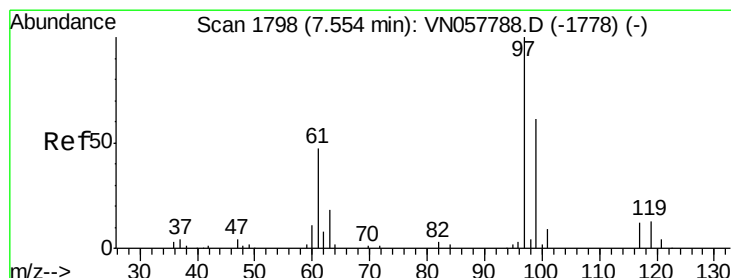
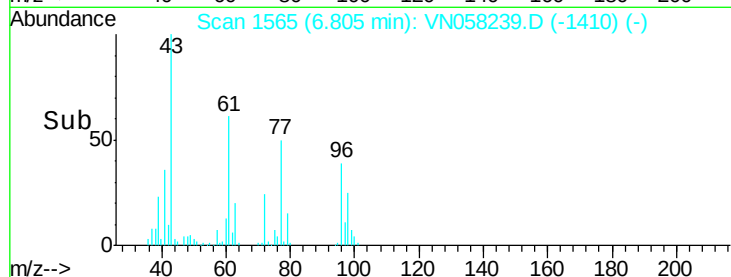
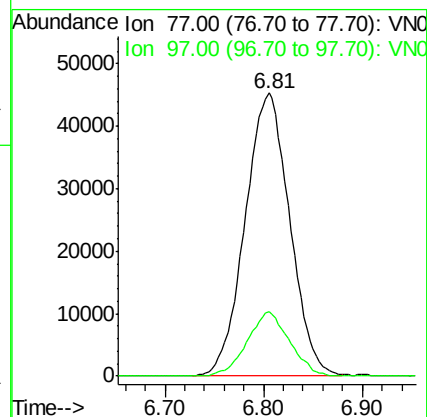
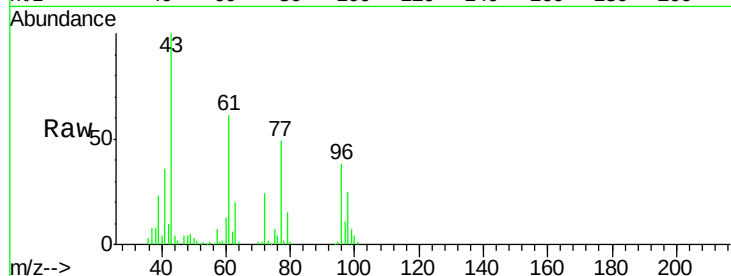
97 21.6 17.7 26.5

Manual Integrations

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9/23/2019 3:29:42 PM



#32

1,1,1-Trichloroethane

Concen: 19.980 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

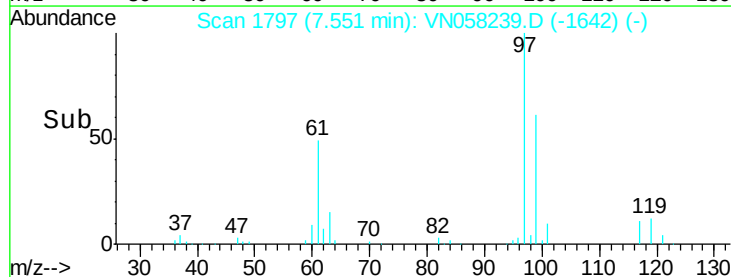
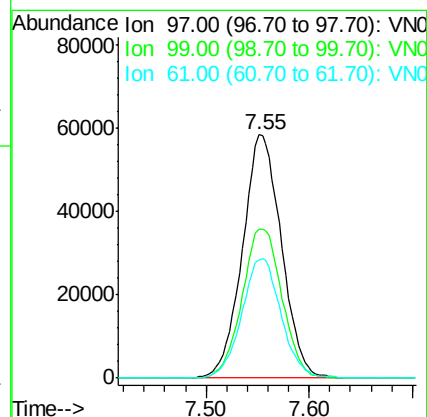
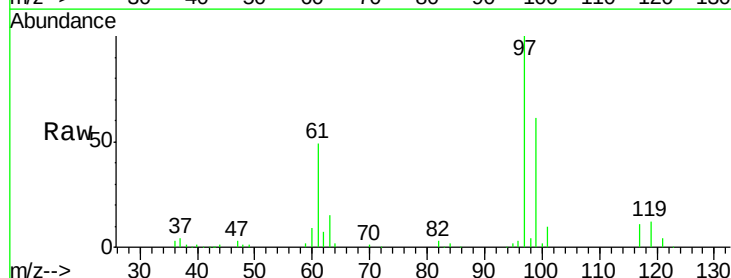
Tgt Ion: 97 Resp: 153375

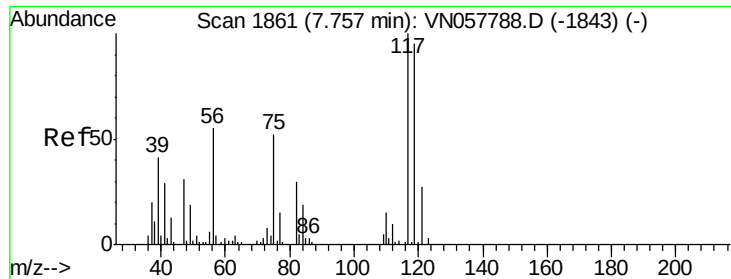
Ion Ratio Lower Upper

97 100

99 62.8 49.8 74.8

61 49.5 38.7 58.1





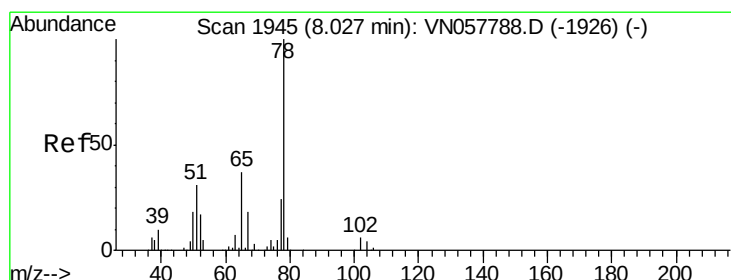
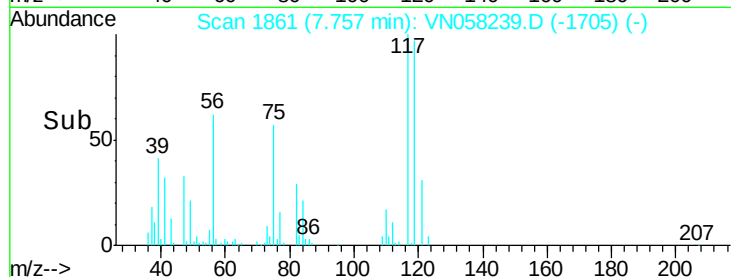
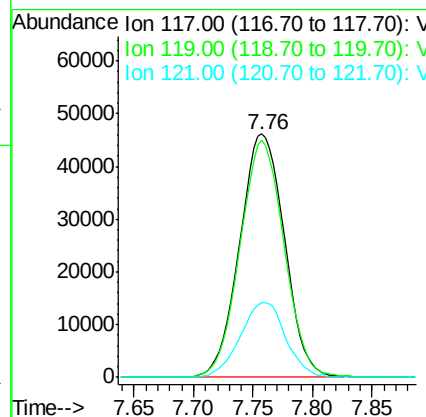
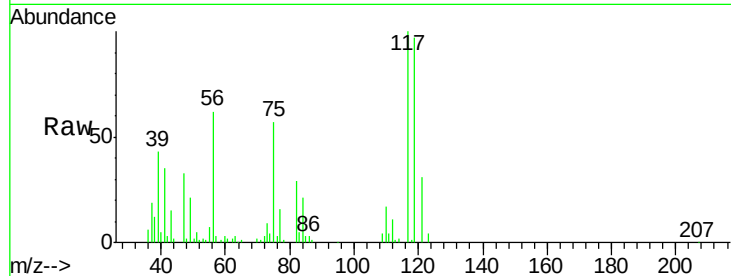
#33
Carbon Tetrachloride
Concen: 19.269 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		120668		
119	97.3	75.7	113.5		
121	30.6	21.7	32.5		

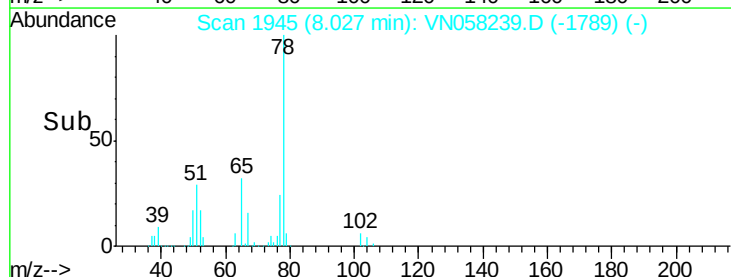
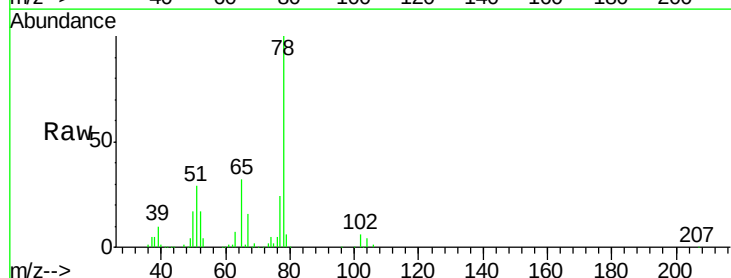
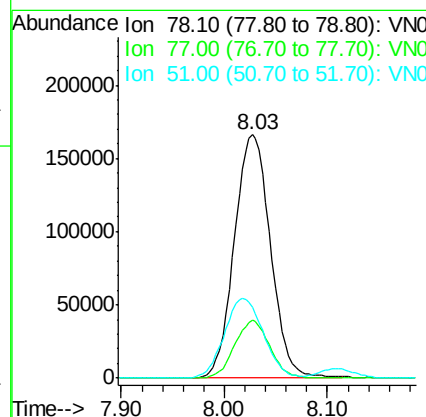
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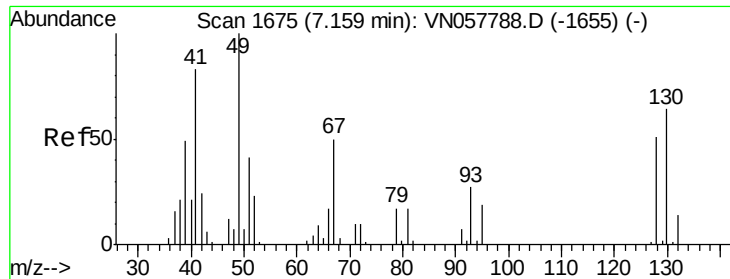
MMDadoda
9/23/2019 3:29:42 PM



#34
Benzene
Concen: 20.053 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		405678		
77	23.7	19.2	28.8		
51	28.9	24.9	37.3		





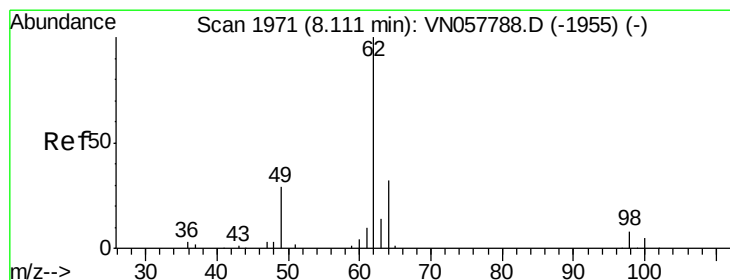
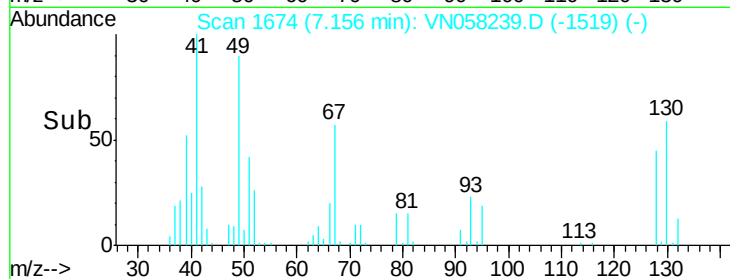
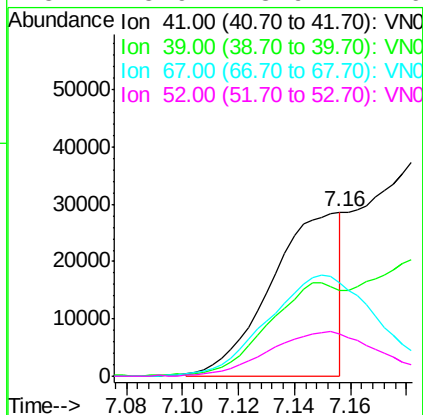
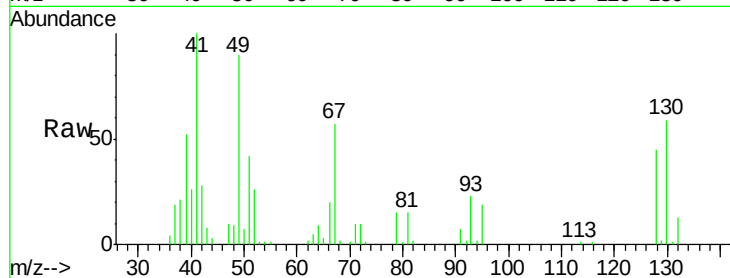
#35
Methacrylonitrile
Concen: 17.219 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	29.8	89.5	
67	56.9	30.0	90.1	
52	25.9	13.9	41.6	

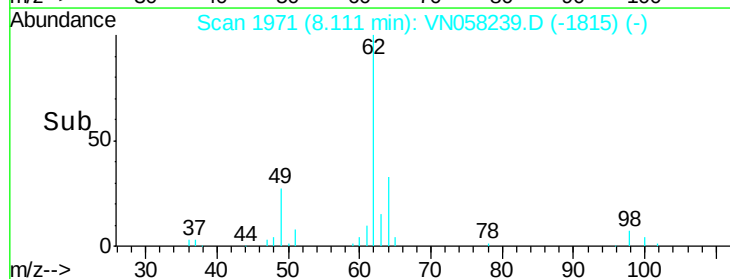
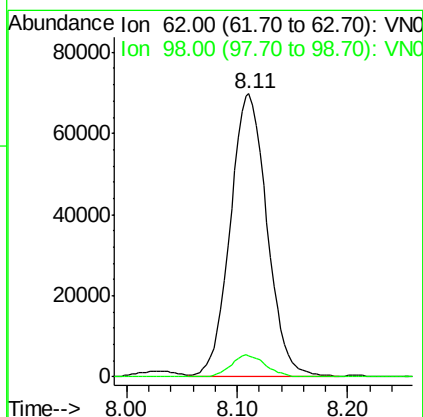
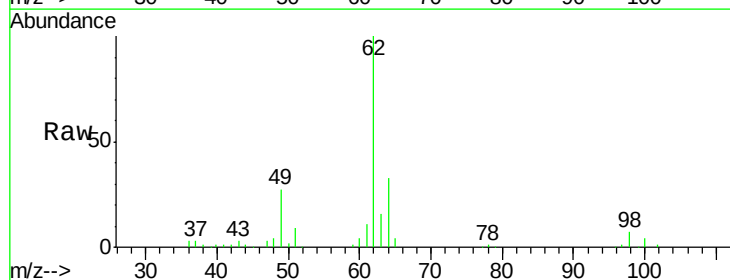
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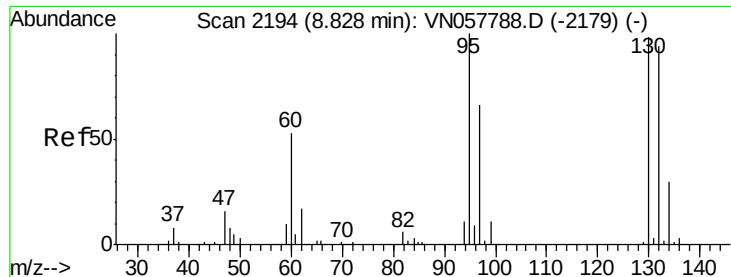
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#36
1,2-Dichloroethane
Concen: 20.605 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	6.6	9.8	





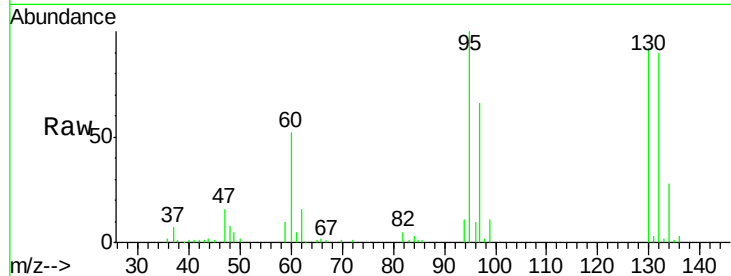
#37
 Trichloroethene
 Concen: 19.228 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

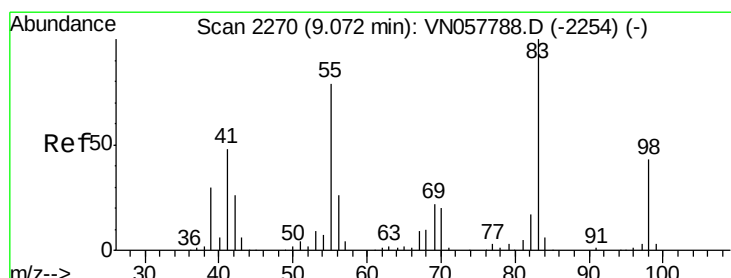
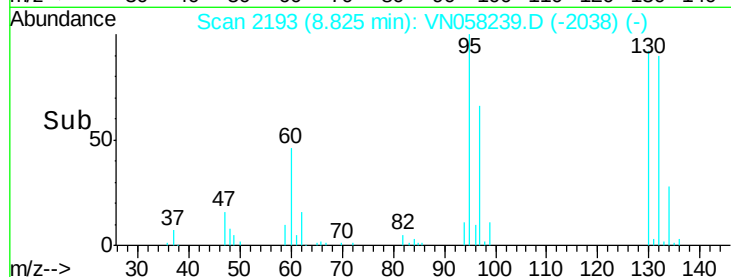
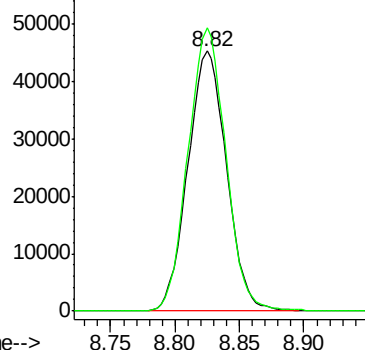
Tot Ion:130 Resp: 94481
 Ion Ratio Lower Upper
 130 100
 95 108.6 81.9 122.9

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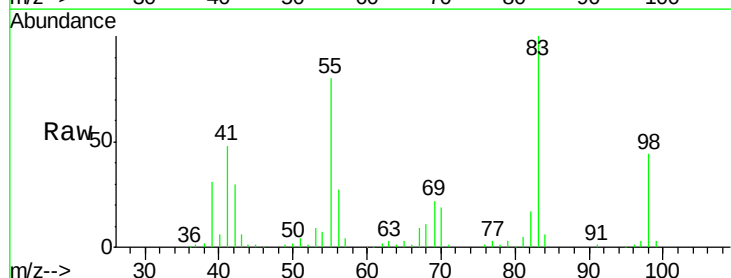


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

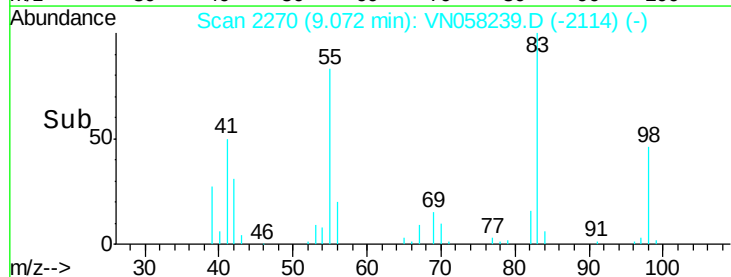
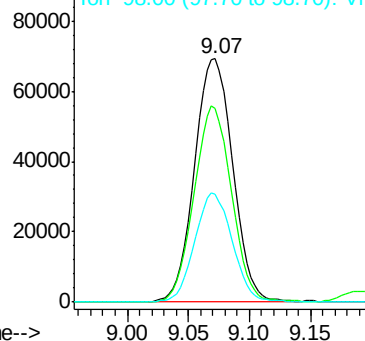


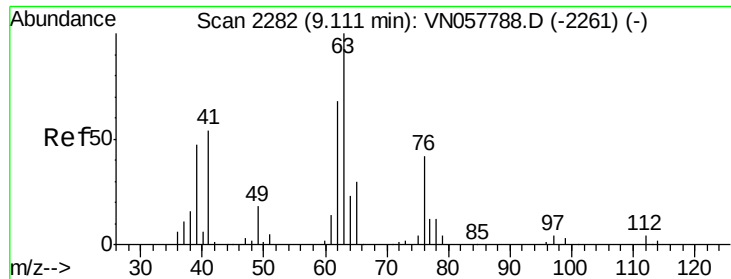
#38
 Methylcyclohexane
 Concen: 19.379 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 83 Resp: 150665
 Ion Ratio Lower Upper
 83 100
 55 78.6 39.6 118.7
 98 43.9 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





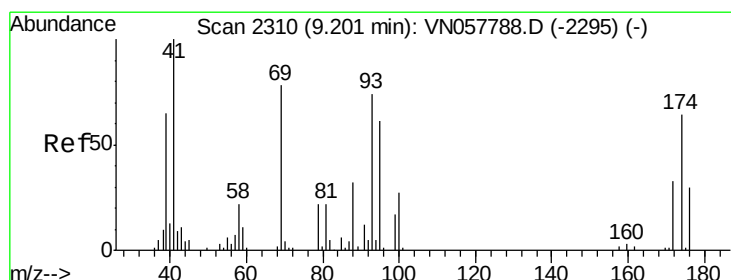
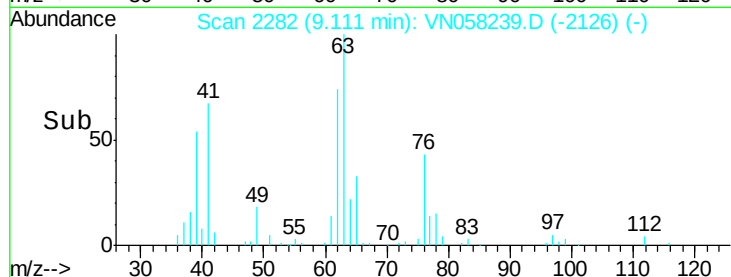
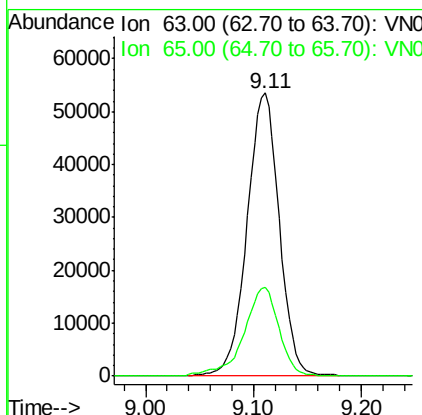
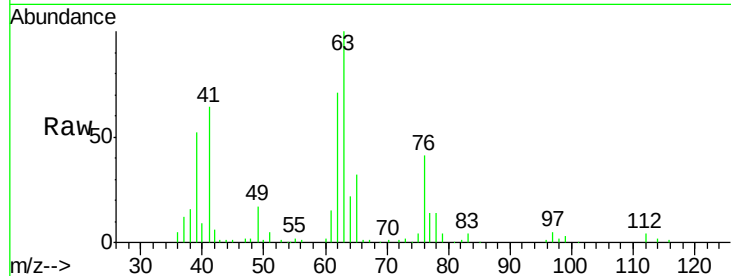
#39
 1,2-Dichloropropane
 Concen: 19.558 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion: 63 Resp: 111116
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.6 35.4

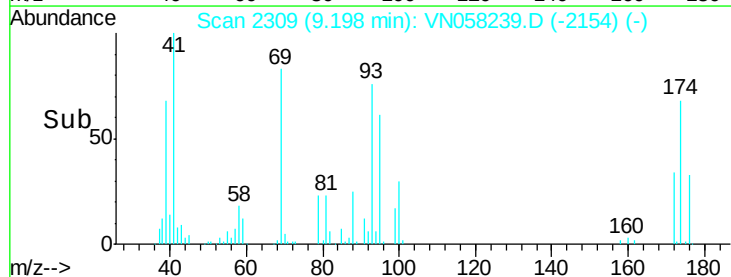
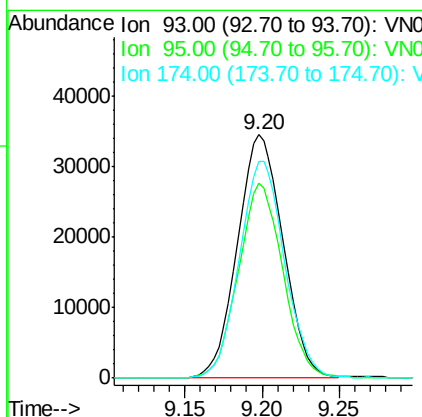
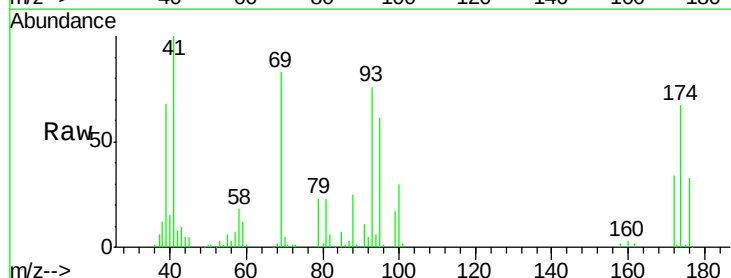
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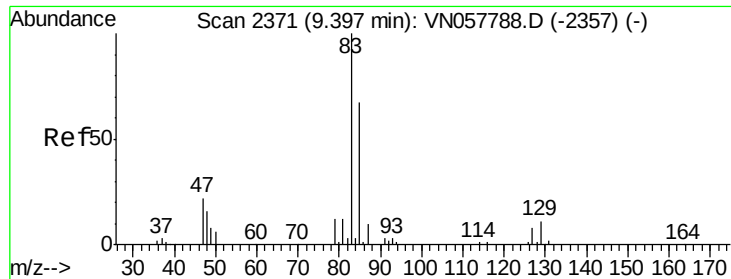
MMDadoda
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#40
 Dibromomethane
 Concen: 20.489 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 93 Resp: 70799
 Ion Ratio Lower Upper
 93 100
 95 78.1 0.0 163.0
 174 88.9 0.0 171.4





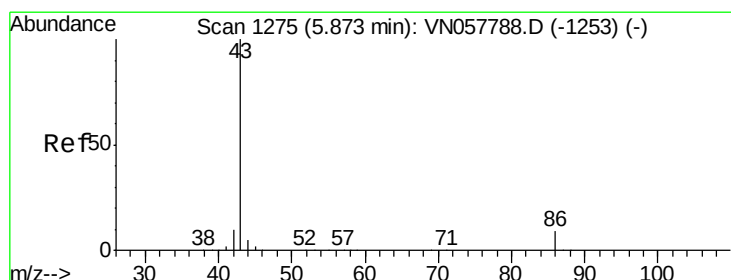
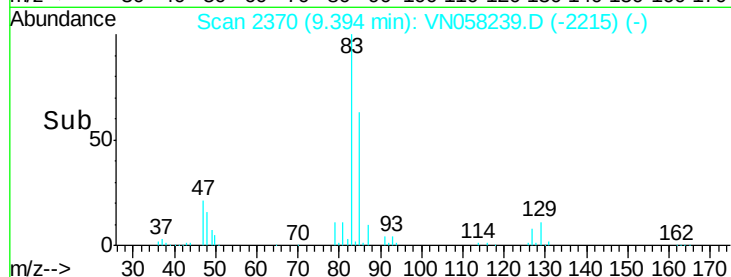
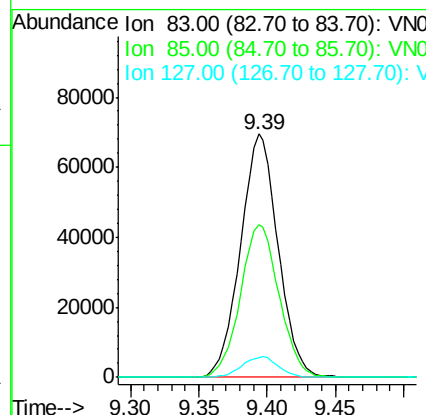
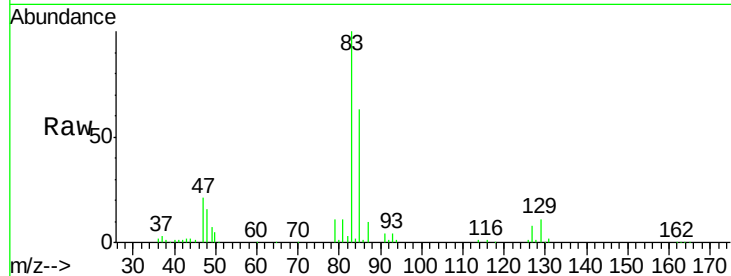
#41
Bromodichloromethane
Concen: 19.048 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	132703		
85	63.0		53.4	80.0
127	8.2		6.6	10.0

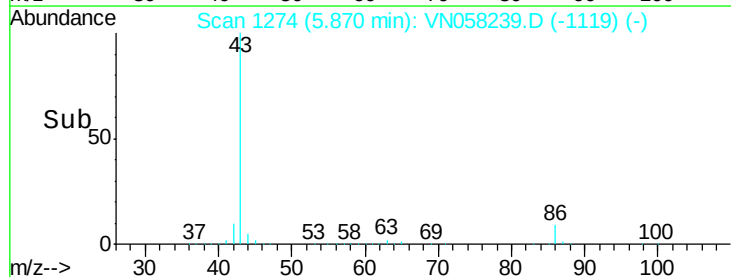
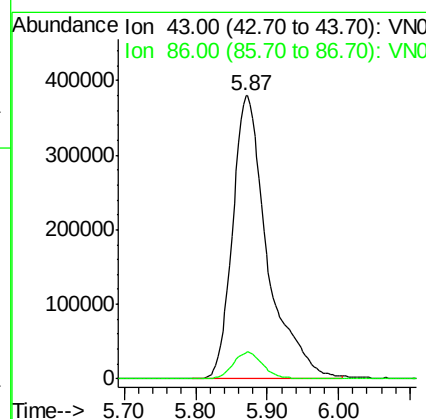
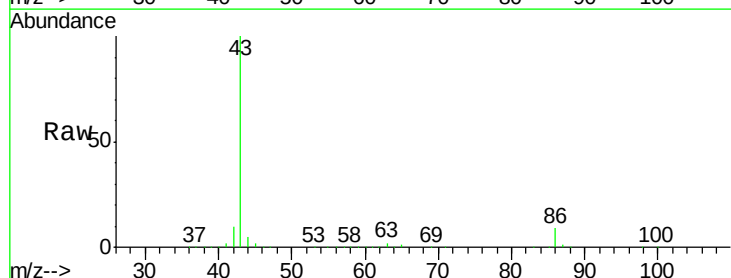
Manual Integrations
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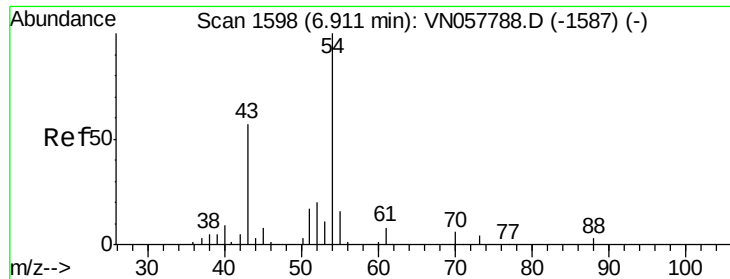
MMDadoda
9/23/2019 3:29:42 PM



#42
Vinyl Acetate
Concen: 104.082 ug/l
RT: 5.87 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1287801		
86	8.1		6.3	9.5





#43

Ethyl Acetate

Concen: 19.374 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0920WBSD01

Tot Ion: 43 Resp: 121687

Ion Ratio Lower Upper

43 100

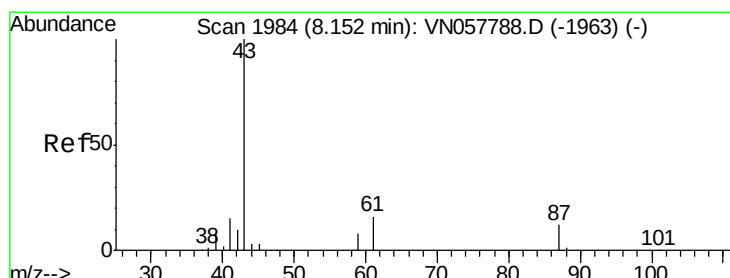
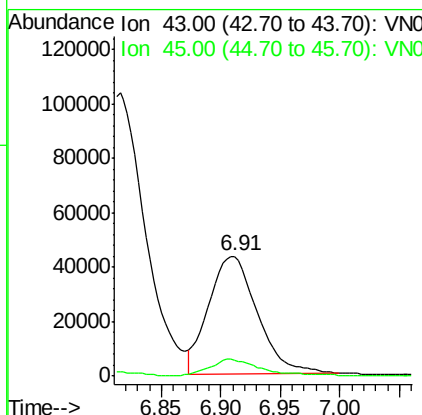
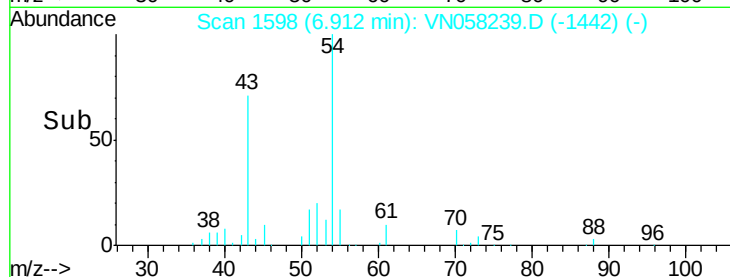
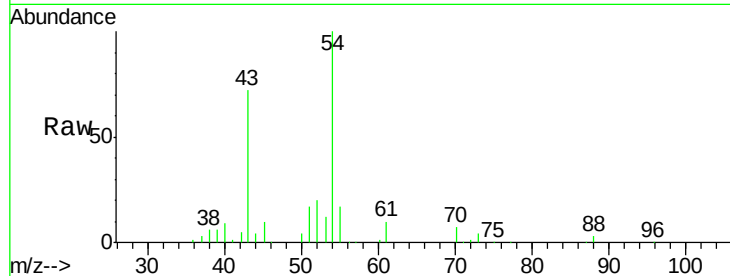
45 12.8 5.4 8.0#

Manual Integrations

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9/23/2019 3:29:42 PM



#44

Isopropyl Acetate

Concen: 19.251 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058239.D

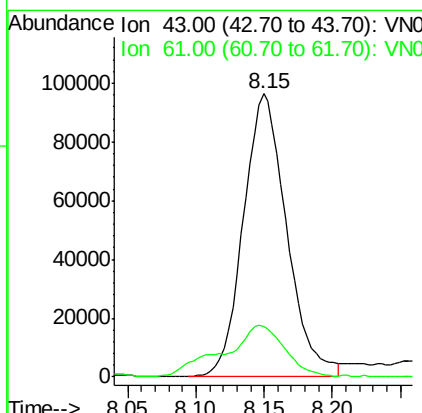
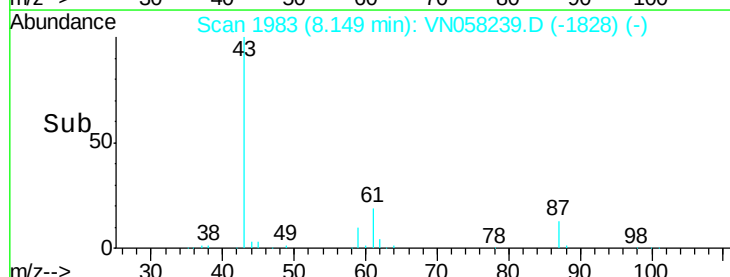
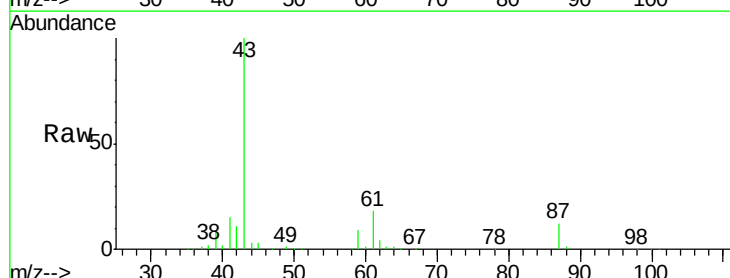
Acq: 20 Sep 2019 10:58

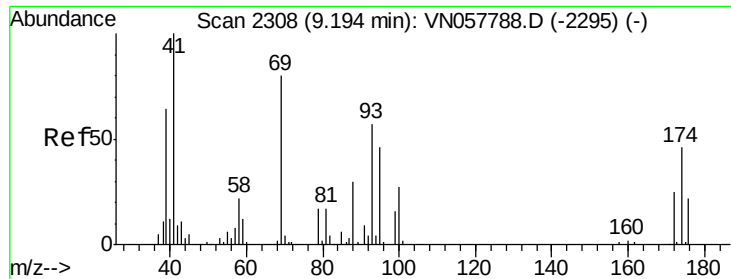
Tgt Ion: 43 Resp: 210817

Ion Ratio Lower Upper

43 100

61 18.7 0.1 0.1#





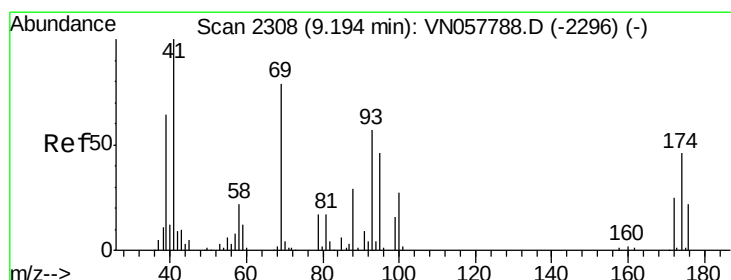
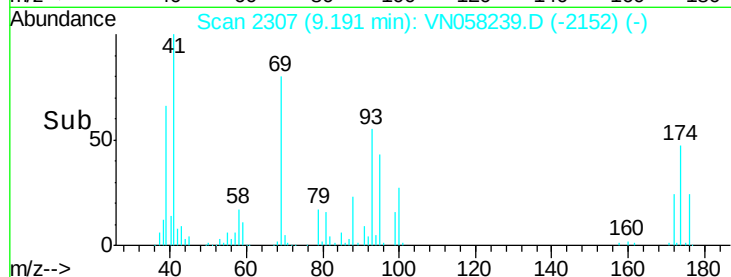
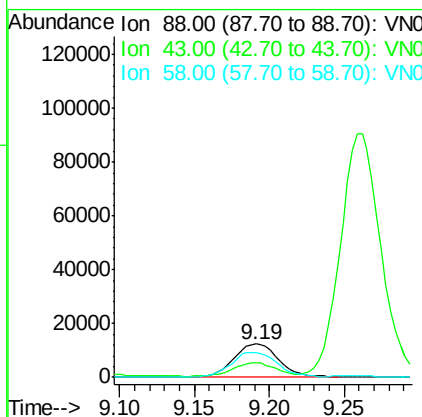
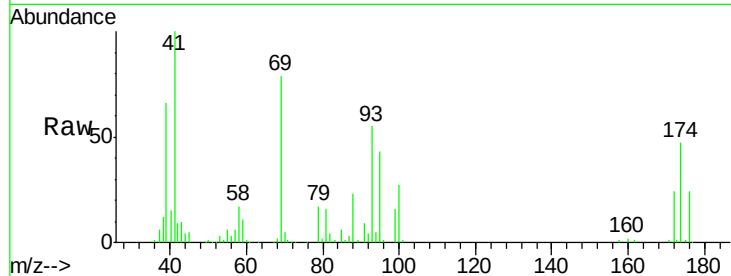
#45
 1,4-Dioxane
 Concen: 303.218 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26093		
43	39.1		28.2	42.4
58	76.7		58.5	87.7

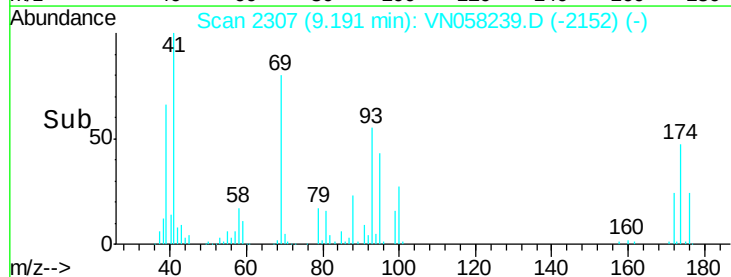
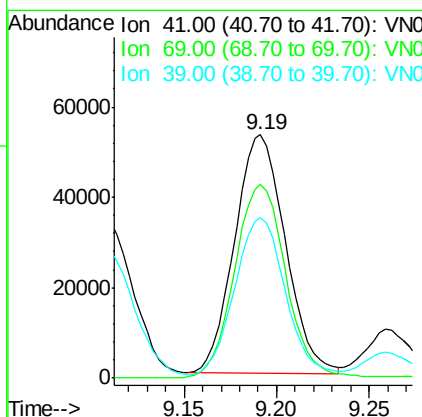
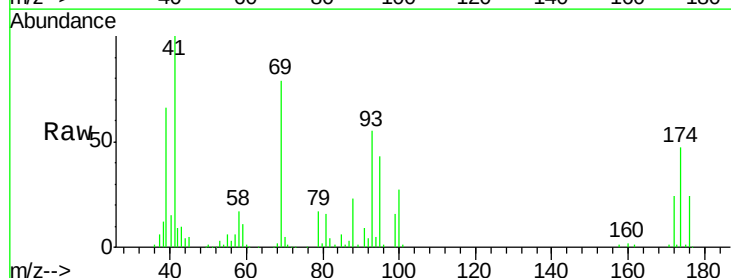
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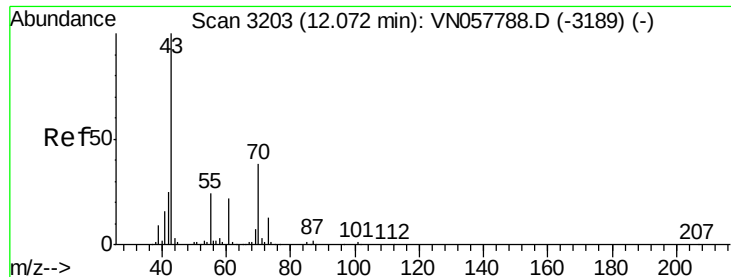
MMDadoda
 9/23/2019 3:29:42 PM



#46
 Methyl methacrylate
 Concen: 18.900 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	101107		
69	80.8		39.6	119.0
39	66.2		31.9	95.7





#47

n-amyl Acetate

Concen: 17.996 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 43 Resp: 181036

Ion Ratio Lower Upper

43 100

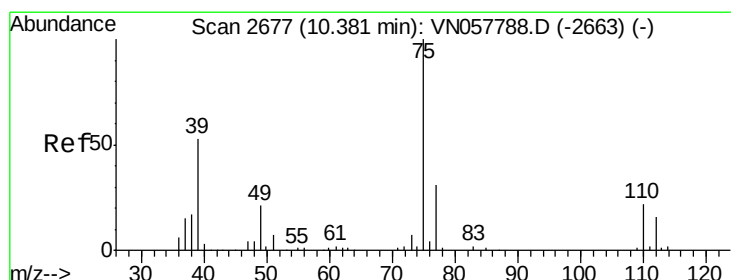
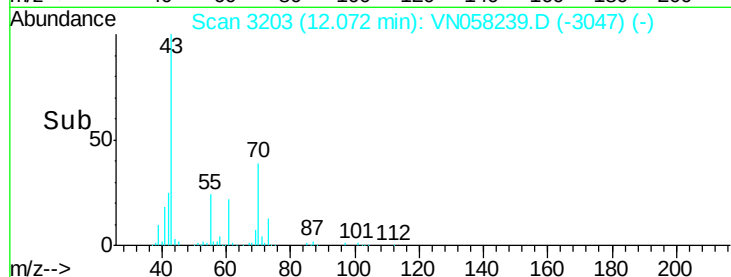
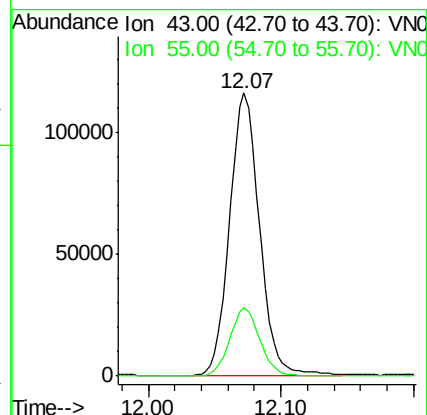
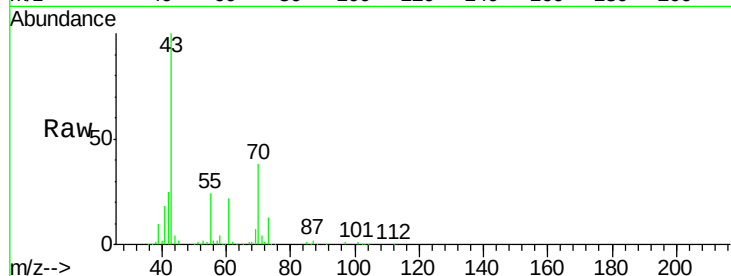
55 24.5 18.3 27.5

Manual Integrations

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9/23/2019 3:29:42 PM



#48

t-1,3-Dichloropropene

Concen: 18.559 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058239.D

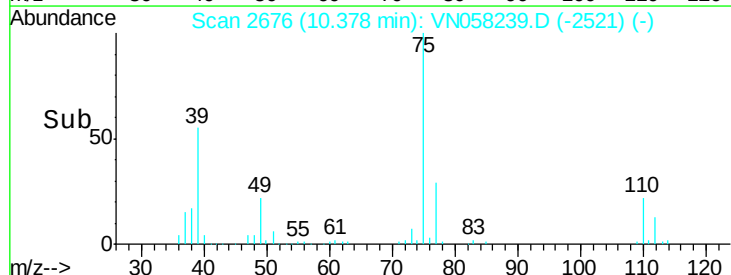
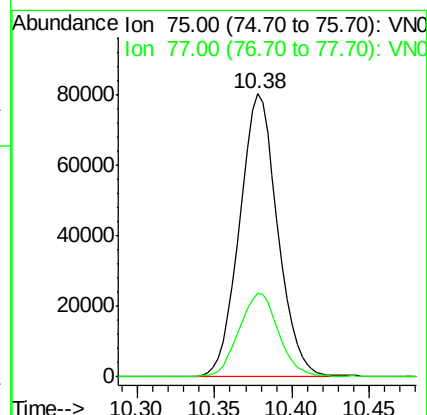
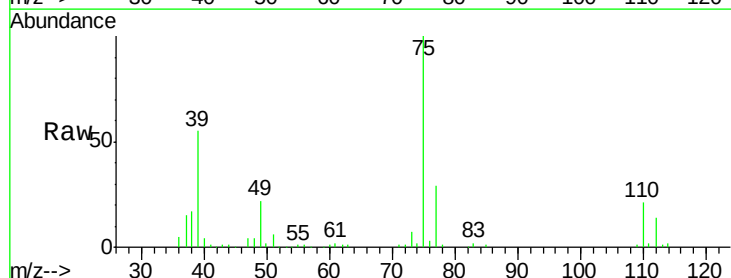
Acq: 20 Sep 2019 10:58

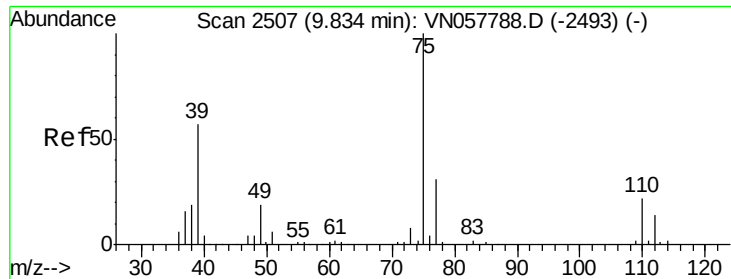
Tgt Ion: 75 Resp: 137643

Ion Ratio Lower Upper

75 100

77 29.4 24.9 37.3





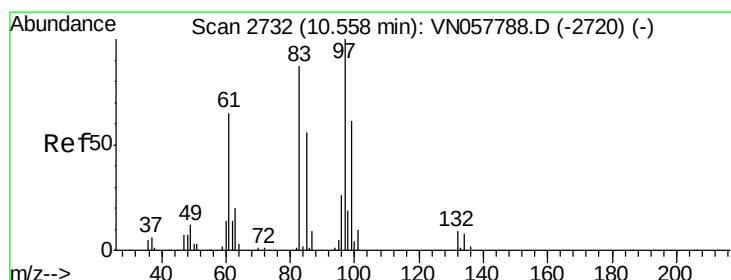
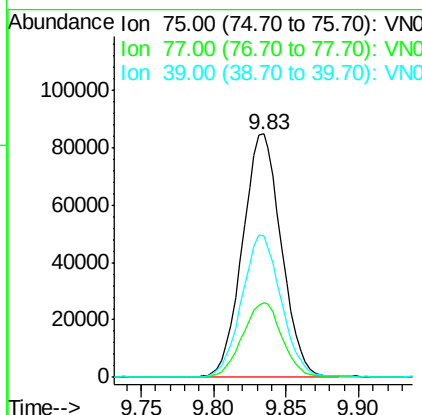
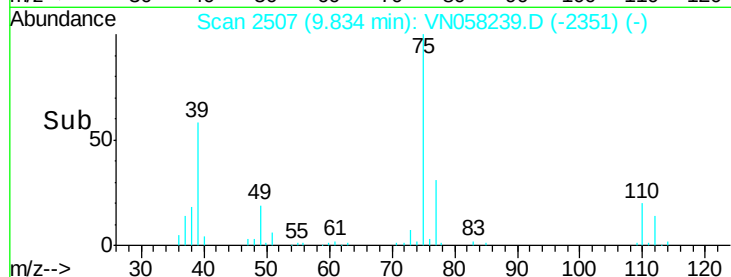
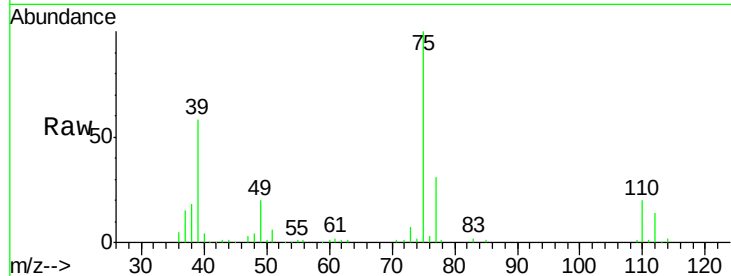
#49
 cis-1,3-Dichloropropene
 Concen: 19.003 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion:	75	Resp:	158134
Ion Ratio	Lower	Upper	
75	100		
77	30.8	24.6	36.8
39	57.6	45.8	68.8

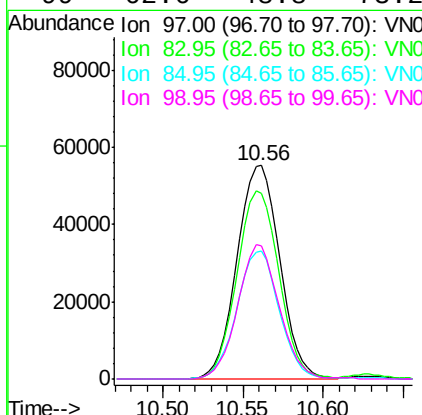
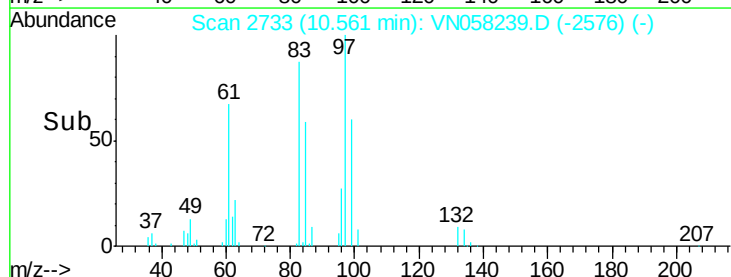
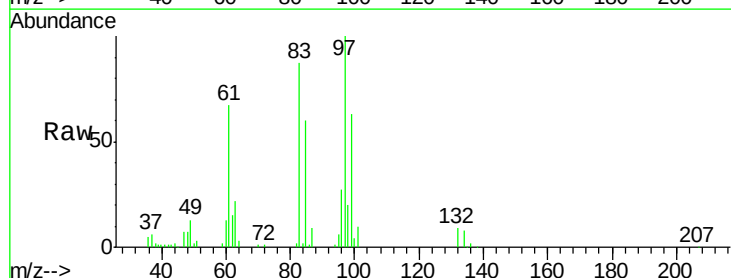
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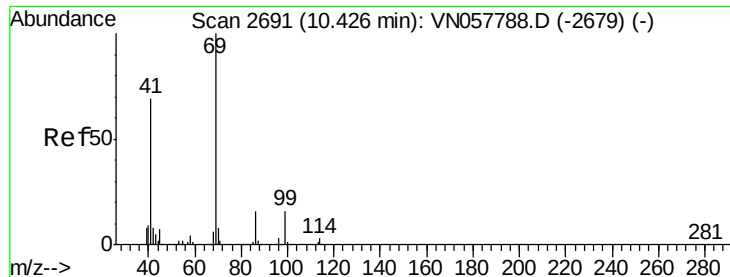
MMDadoda
 9/23/2019 3:29:42 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.118 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion:	97	Resp:	100838
Ion Ratio	Lower	Upper	
97	100		
83	86.8	69.4	104.2
85	59.8	45.0	67.6
99	62.6	48.8	73.2





#51

Ethyl methacrylate

Concen: 18.928 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

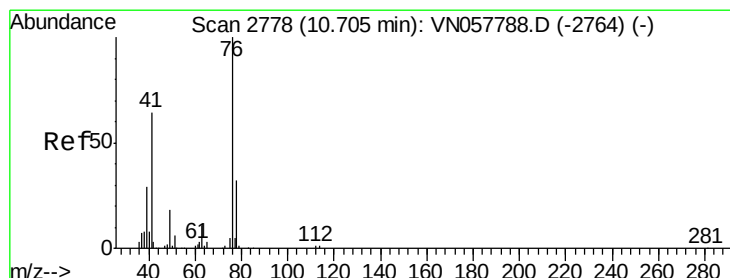
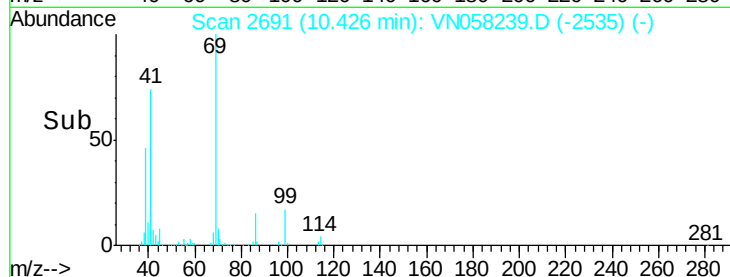
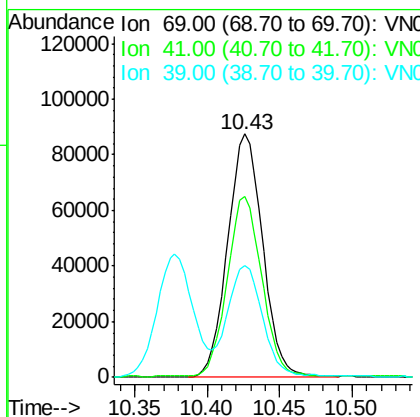
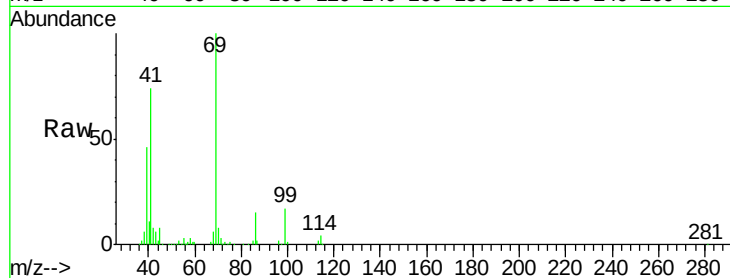
ClientSampleId :

VN0920WBSD01

Tot Ion:	69	Resp:	147103
Ion	Ratio	Lower	Upper
69	100		
41	74.0	34.5	103.5
39	45.1	22.4	67.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.786 ug/l

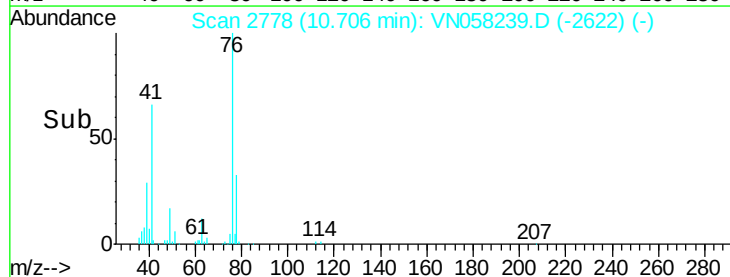
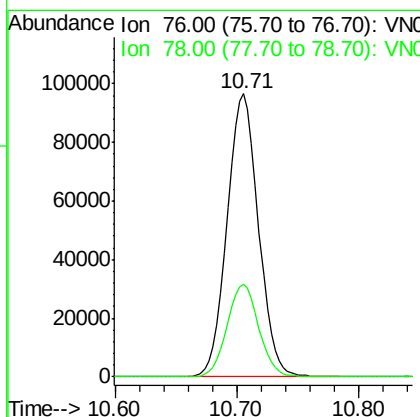
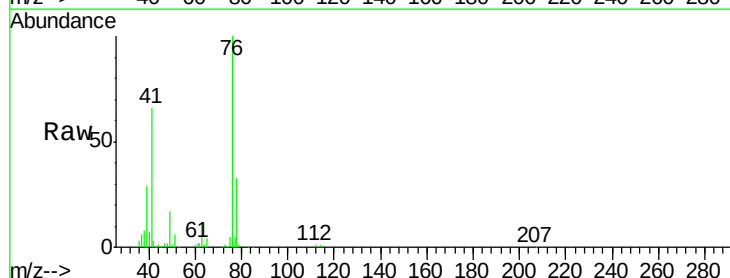
RT: 10.71 min Scan# 2778

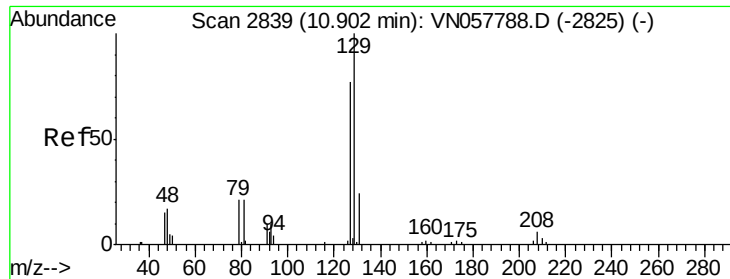
Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion:	76	Resp:	173439
Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	63.8





#53

Dibromochloromethane

Concen: 18.101 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion:129 Resp: 89601

Ion Ratio Lower Upper

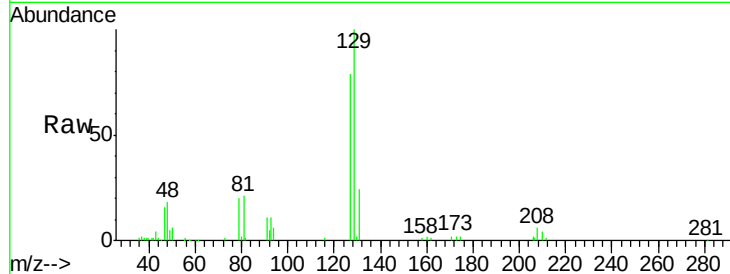
129 100

127 77.8 38.8 116.3

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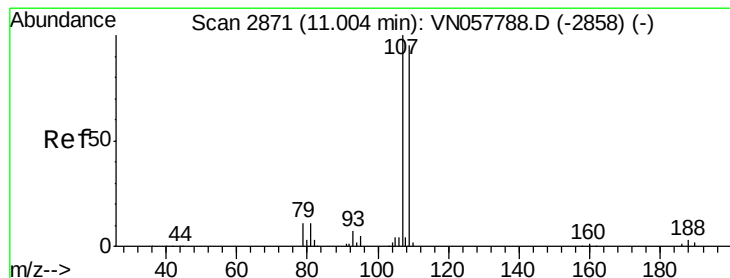
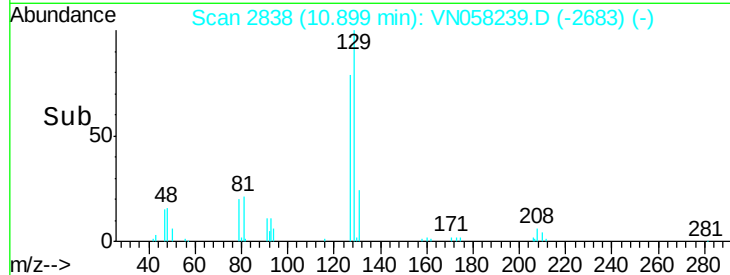
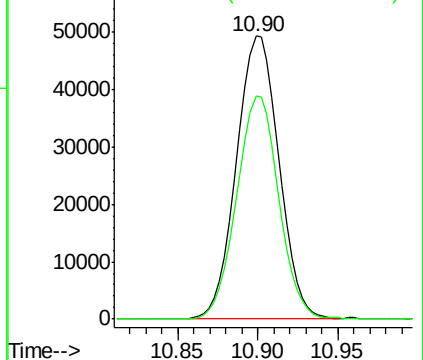
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9/23/2019 3:29:42 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.970 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058239.D

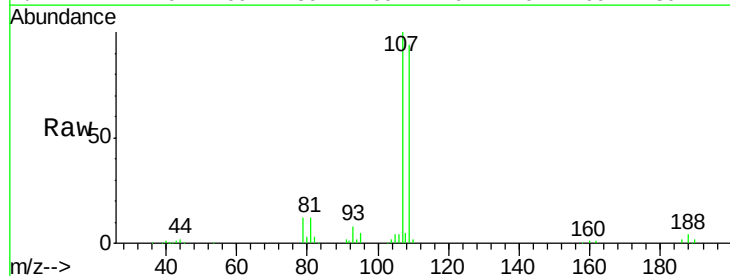
Acq: 20 Sep 2019 10:58

Tgt Ion:107 Resp: 94607

Ion Ratio Lower Upper

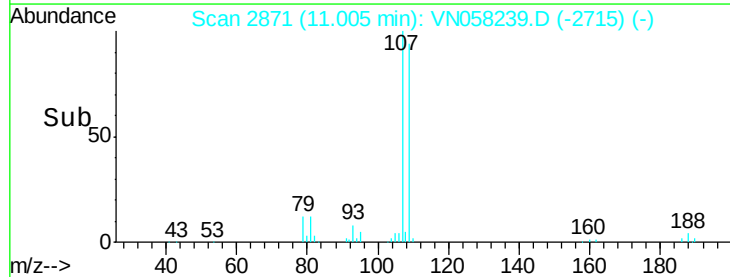
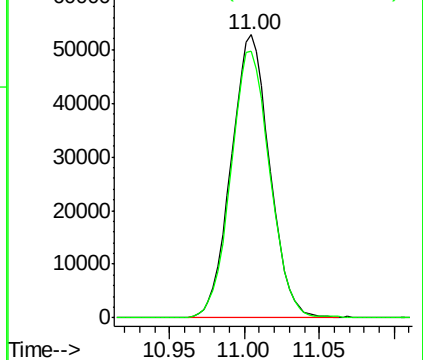
107 100

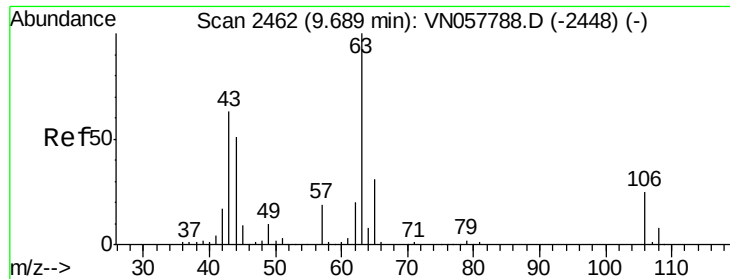
109 95.4 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





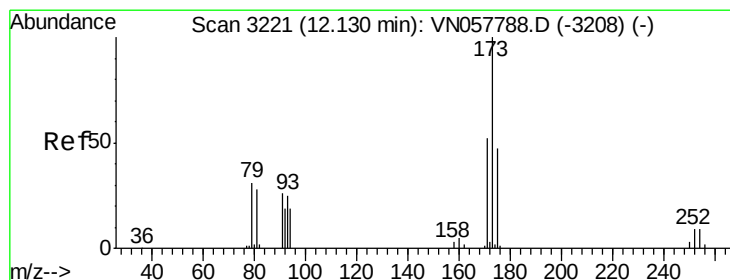
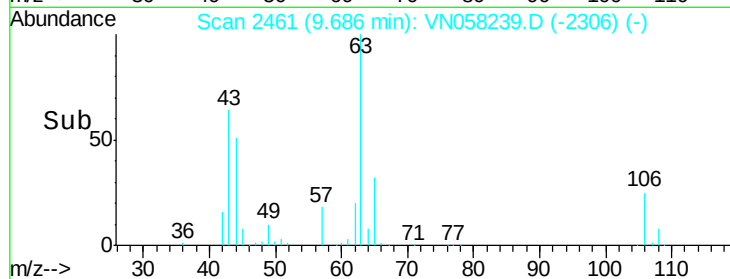
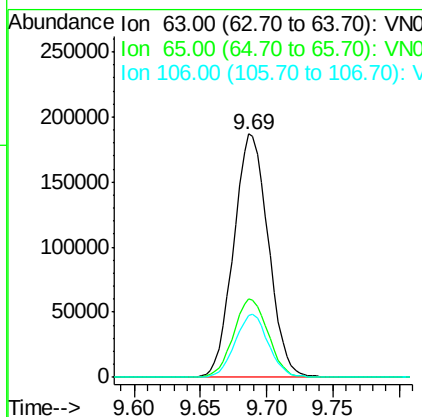
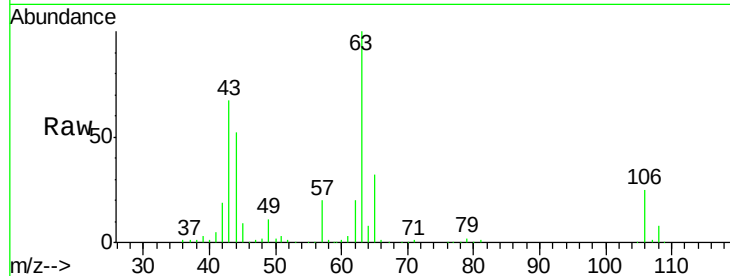
#55
2-Chloroethyl vinyl ether
Concen: 92.049 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion:	63	Resp:	339933
Ion Ratio	Lower	Upper	
63	100		
65	32.0	25.0	37.6
106	25.0	19.8	29.8

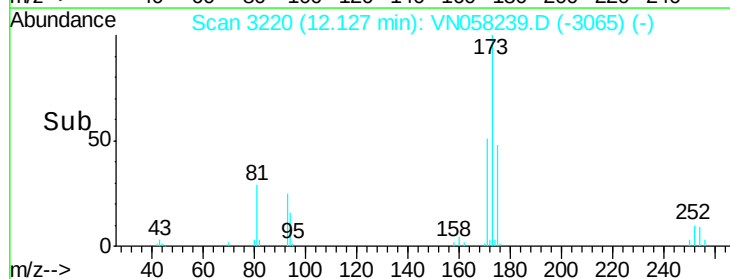
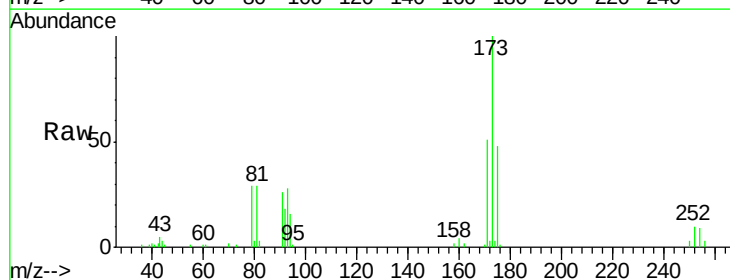
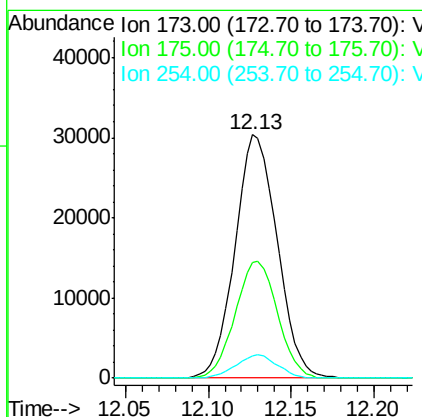
Manual Integrations
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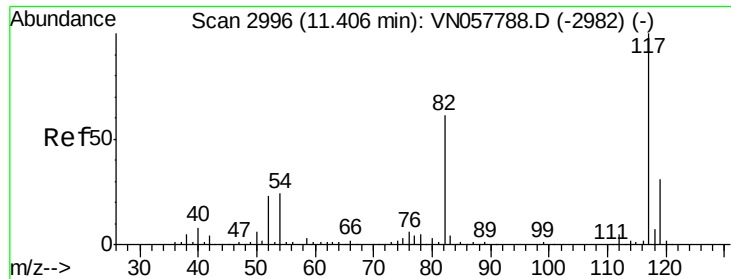
MMDadoda
9/23/2019 3:29:42 PM



#56
Bromoform
Concen: 17.575 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion:	173	Resp:	53895
Ion Ratio	Lower	Upper	
173	100		
175	47.8	38.4	57.6
254	9.3	6.9	10.3





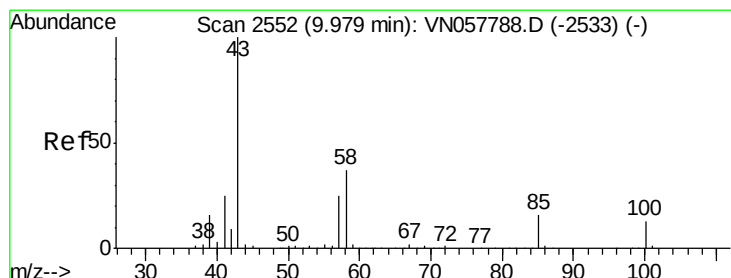
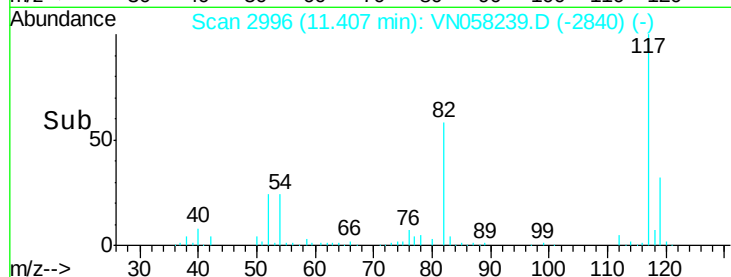
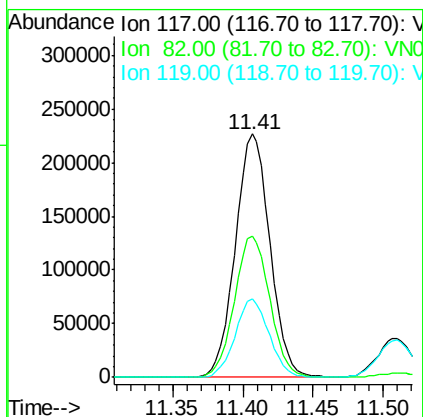
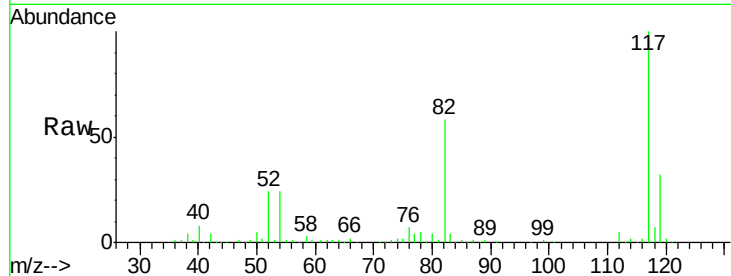
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.6	71.4
119	31.7	25.4	38.2

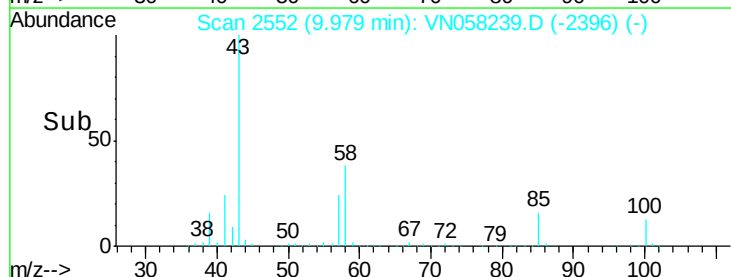
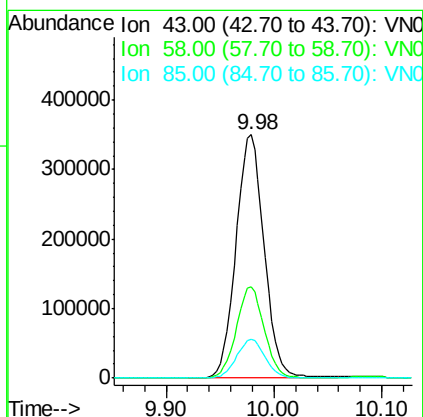
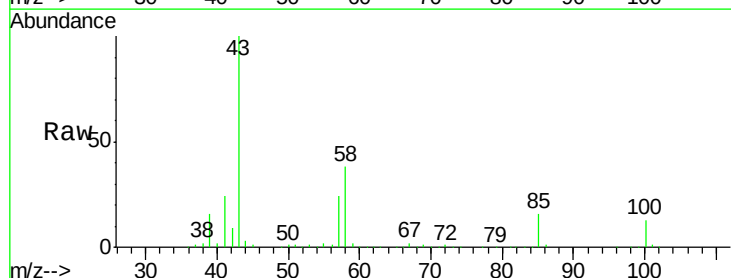
Manual Integrations
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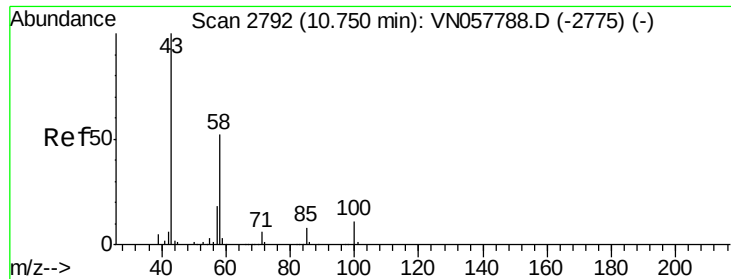
MMDadoda
9/23/2019 3:29:42 PM



#58
4-Methyl-2-Pentanone
Concen: 105.050 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.4	44.0
85	16.1	12.9	19.3





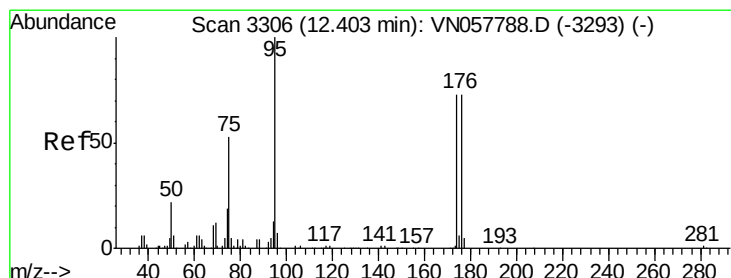
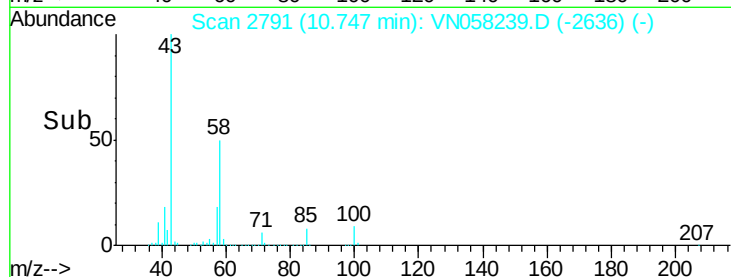
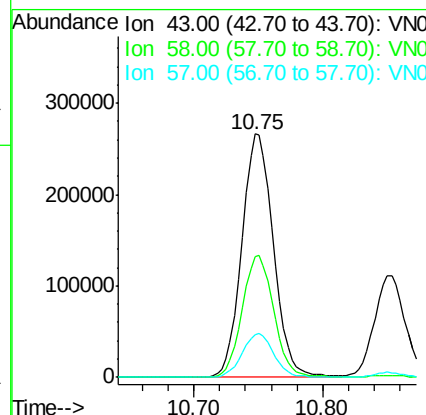
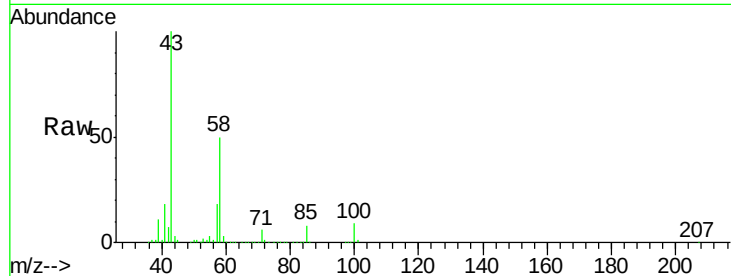
#59
2-Hexanone
Concen: 99.281 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.6	61.0
57	18.2	14.5	21.7

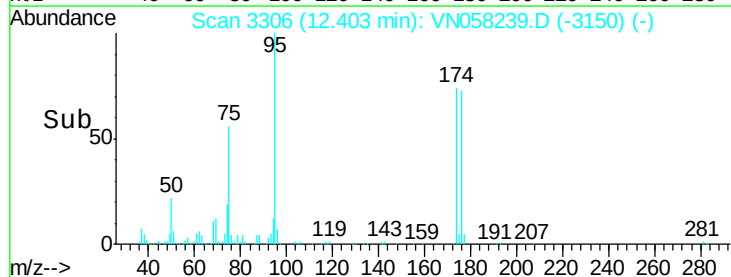
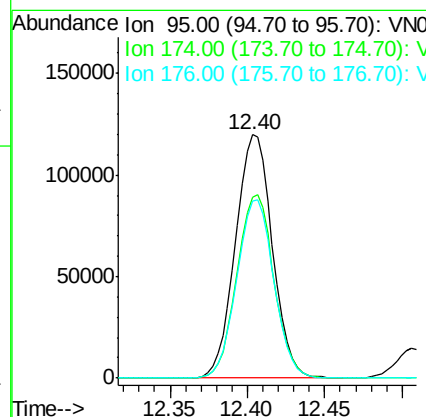
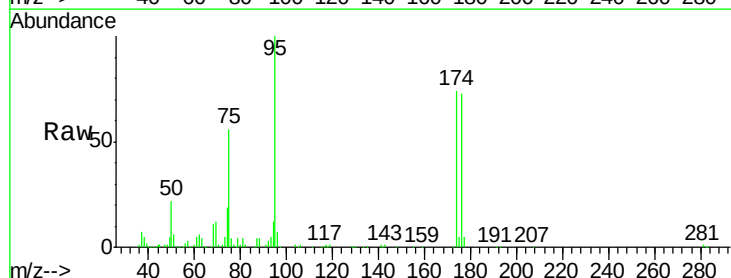
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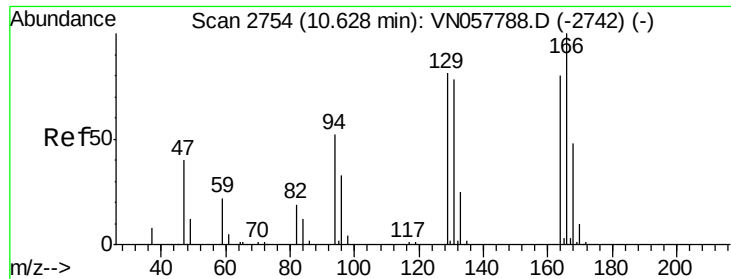
MMDadoda
9/23/2019 3:29:42 PM



#60
4-Bromofluorobenzene
Concen: 29.669 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	59.4	89.0
176	73.6	57.4	86.0





#61

Tetrachloroethene

Concen: 19.506 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion:164 Resp: 77463

Ion Ratio Lower Upper

164 100

166 130.5 99.6 149.4

129 102.0 80.9 121.3

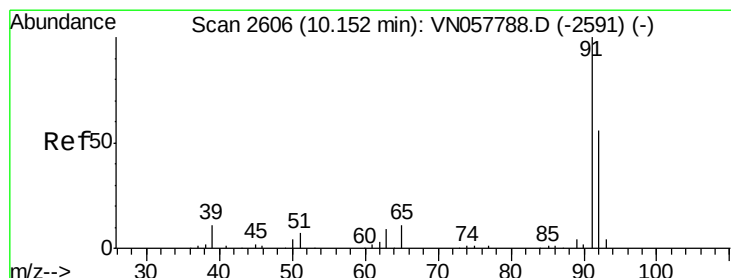
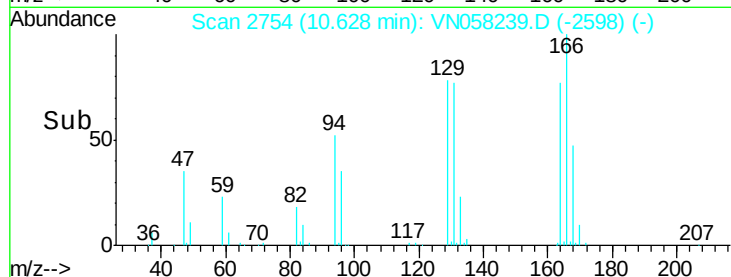
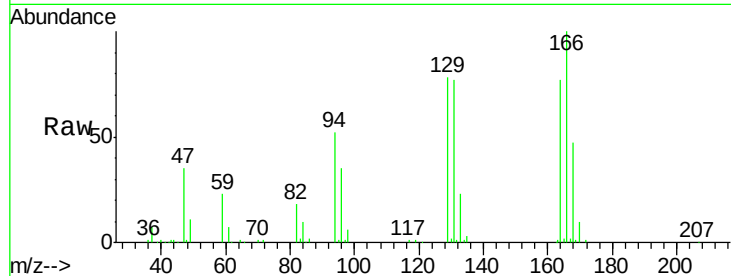
131 99.9 77.2 115.8

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9/23/2019 3:29:42 PM



#62

Toluene

Concen: 20.325 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058239.D

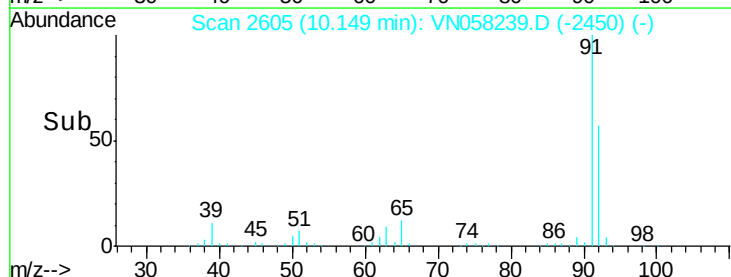
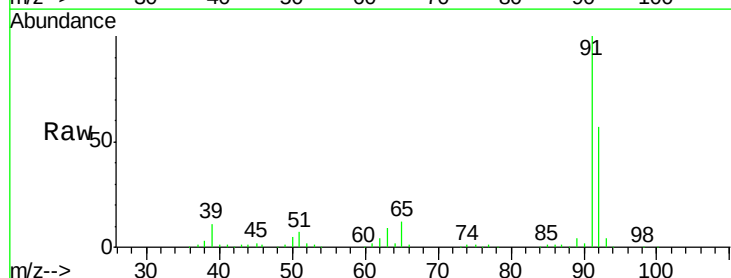
Acq: 20 Sep 2019 10:58

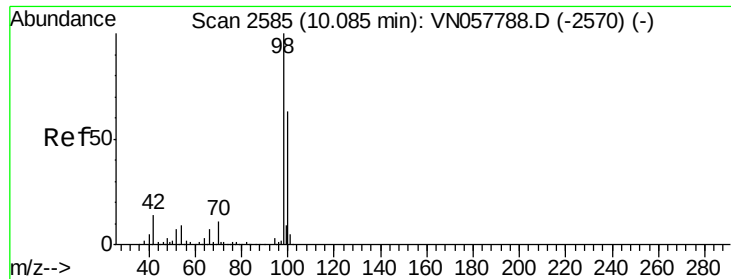
Tgt Ion: 91 Resp: 439574

Ion Ratio Lower Upper

91 100

92 55.7 44.9 67.3





#63

Toluene-d8

Concen: 29.985 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0920WBSD01

Tot Ion: 98 Resp: 562149

Ion Ratio Lower Upper

98 100

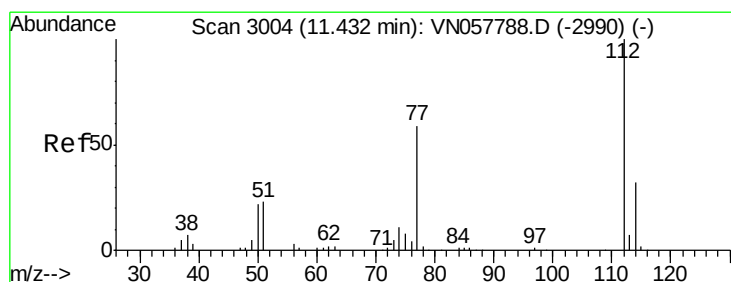
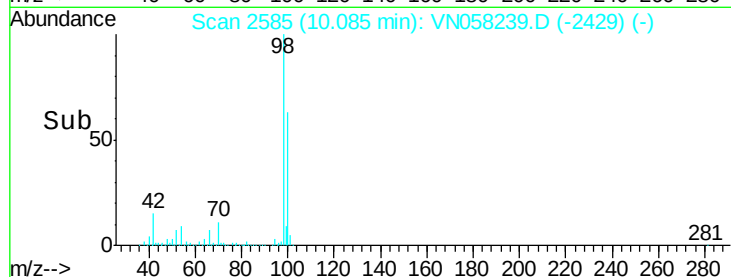
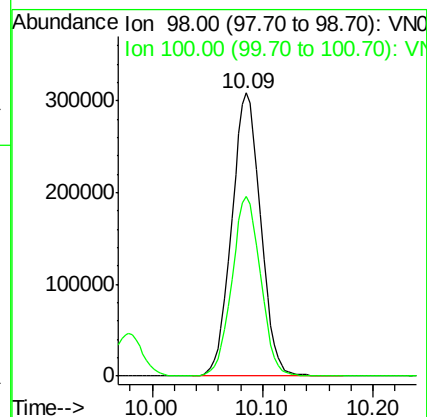
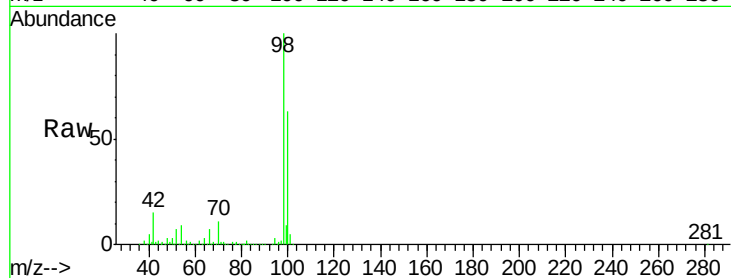
100 62.2 50.3 75.5

Manual Integrations

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9/23/2019 3:29:42 PM



#64

Chlorobenzene

Concen: 19.446 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058239.D

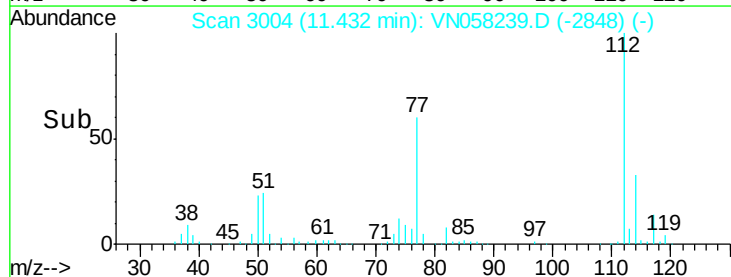
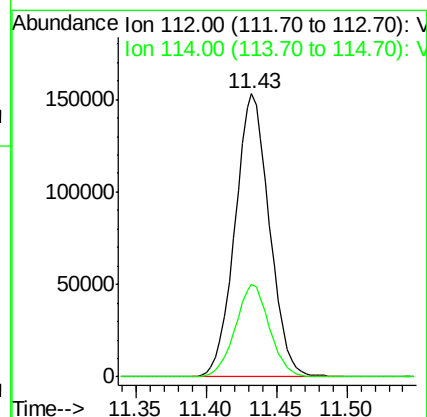
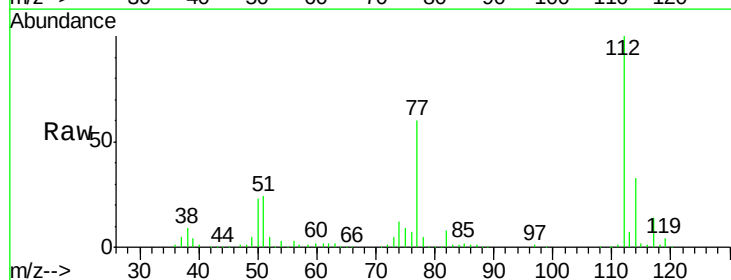
Acq: 20 Sep 2019 10:58

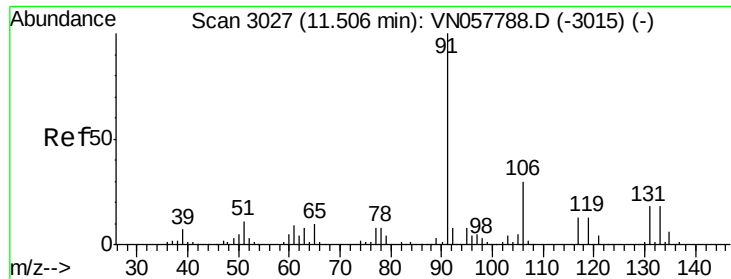
Tgt Ion: 112 Resp: 260894

Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.961 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

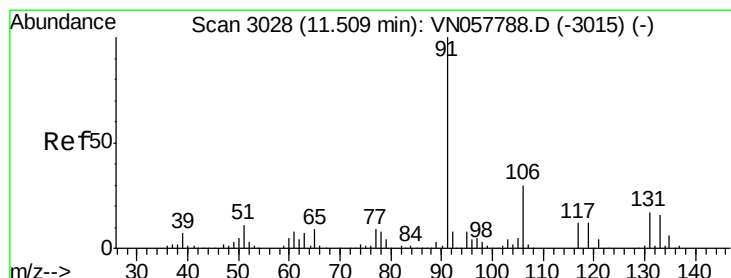
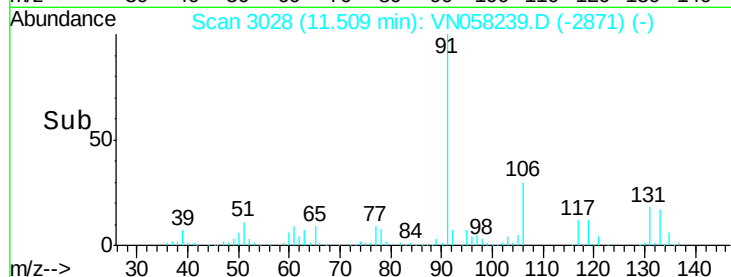
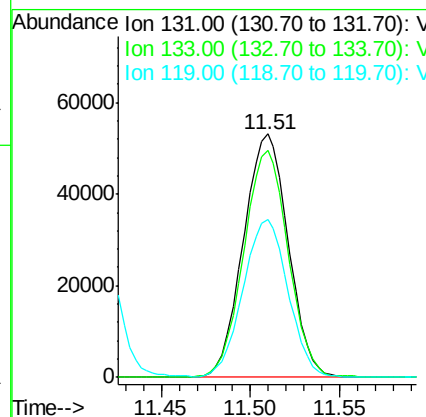
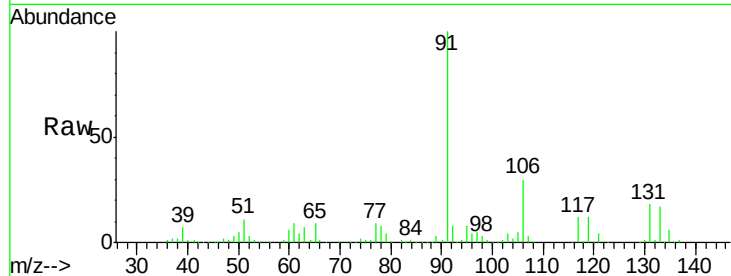
ClientSampled :

VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.8	0.0	189.2
119	65.3	0.0	136.4

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#66

Ethyl Benzene

Concen: 20.456 ug/l

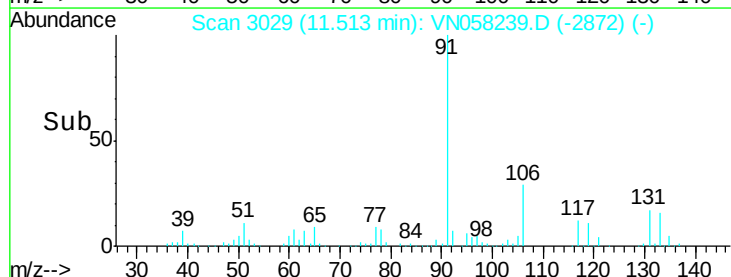
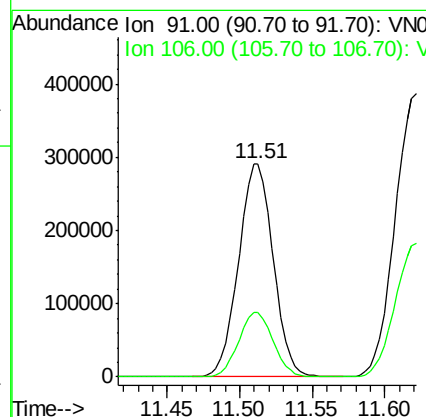
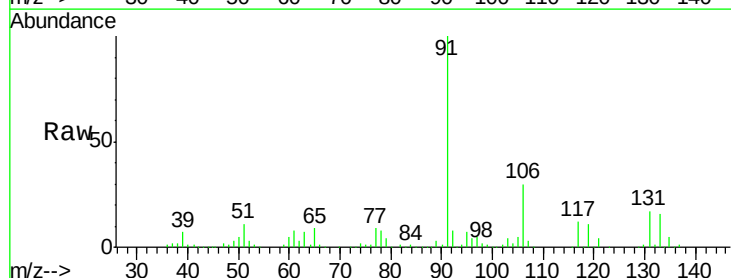
RT: 11.51 min Scan# 3029

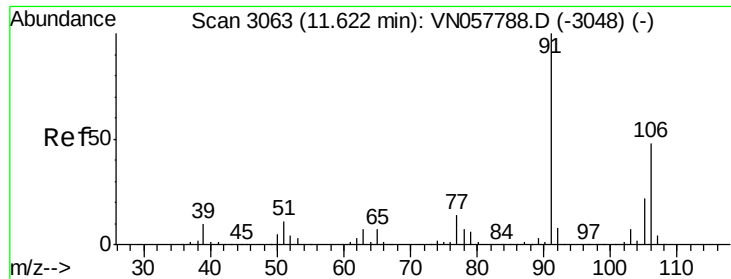
Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.0	36.0





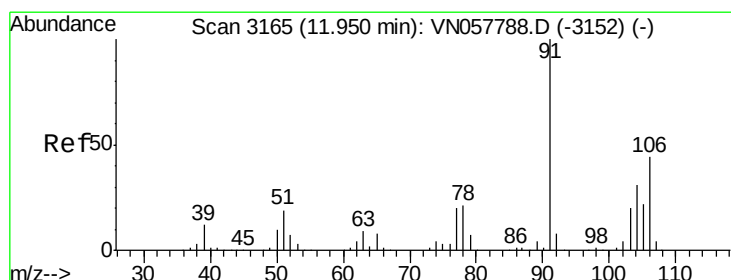
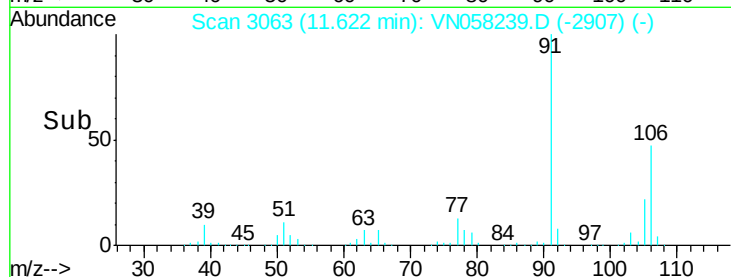
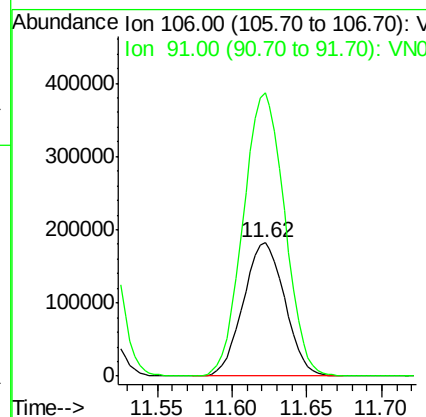
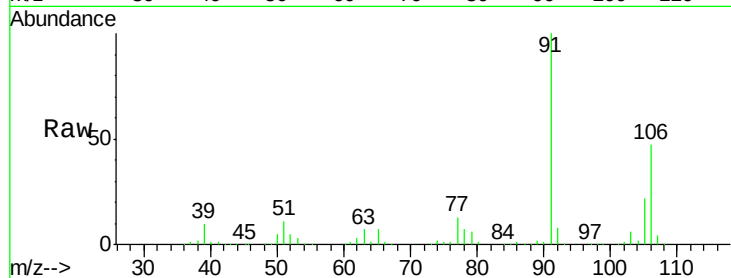
#67
m/p-Xylenes
Concen: 39.002 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion:106 Resp: 351372
Ion Ratio Lower Upper
106 100
91 212.2 166.1 249.1

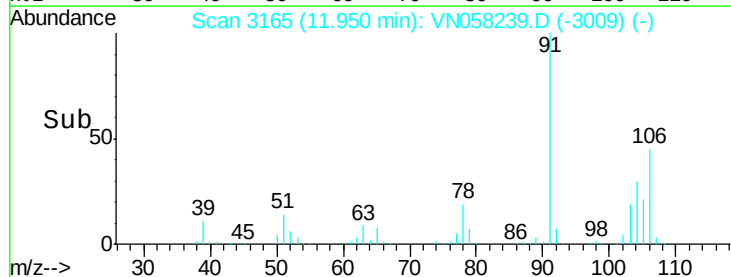
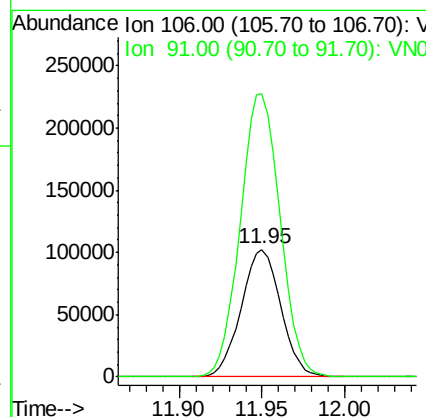
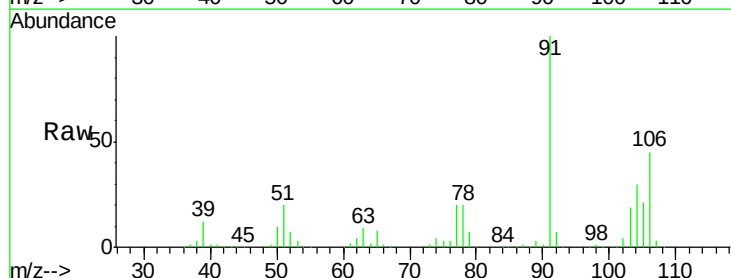
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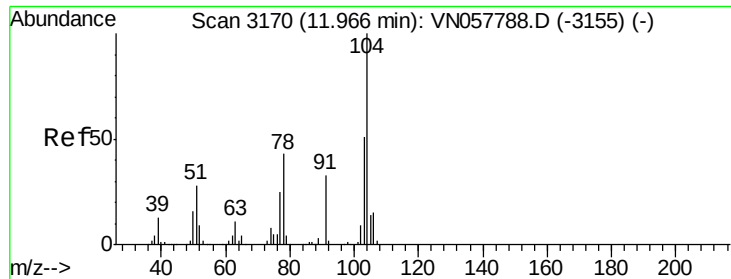
MMDadoda
9/23/2019 3:29:42 PM



#68
o-Xylene
Concen: 19.263 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion:106 Resp: 170010
Ion Ratio Lower Upper
106 100
91 224.1 111.5 334.4





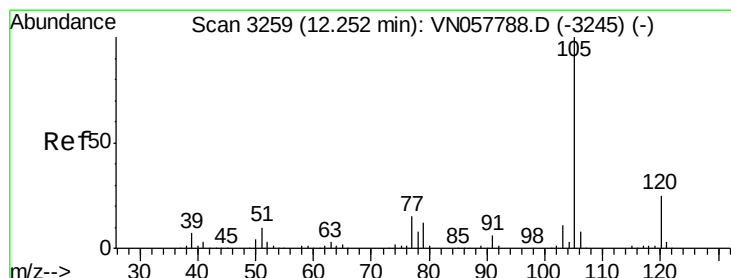
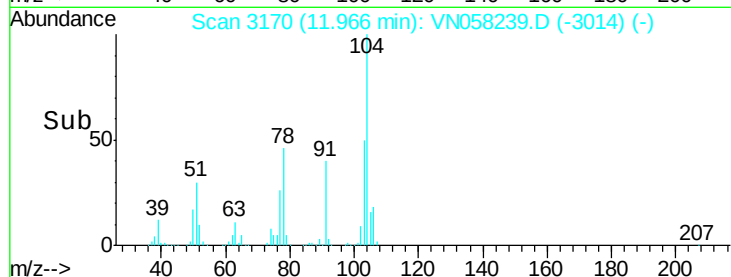
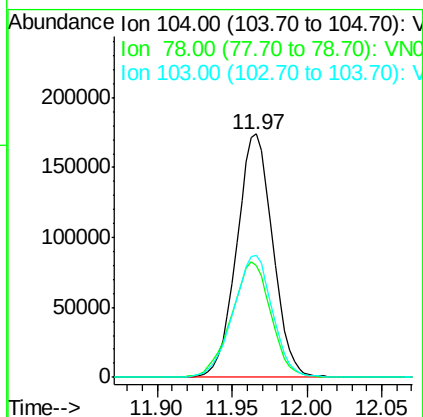
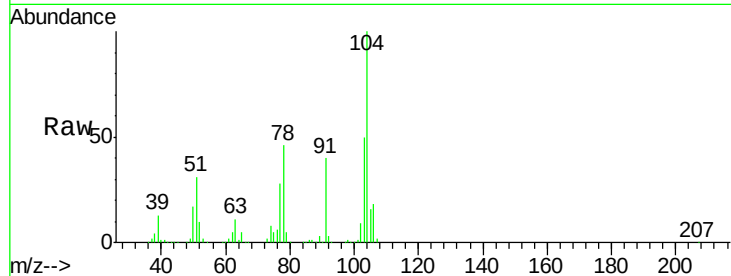
#69
Stvrene
Concen: 19.439 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	292520		
78	51.9		41.5	62.3
103	54.6		44.8	67.2

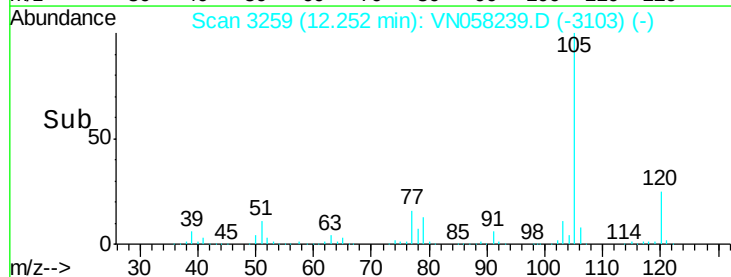
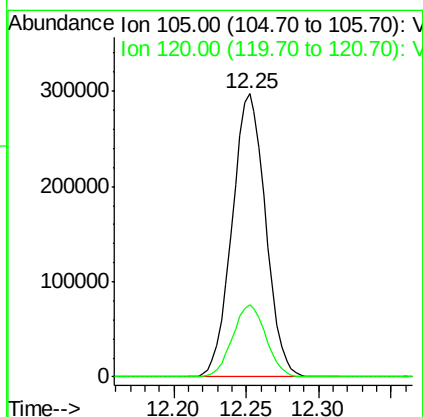
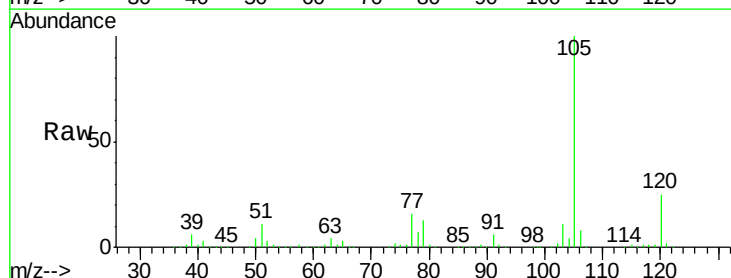
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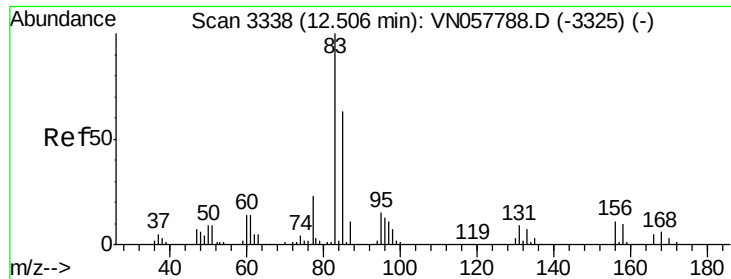
MMDadoda
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#70
Isopropylbenzene
Concen: 20.348 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	474786		
120	25.5		17.6	32.6





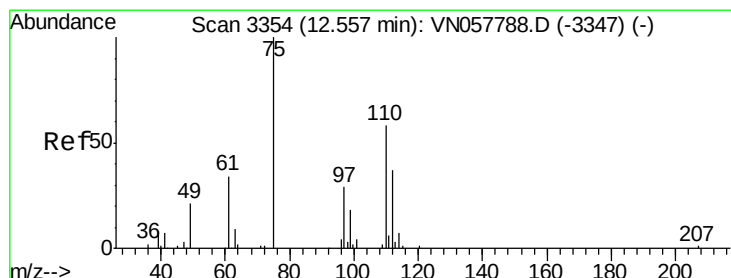
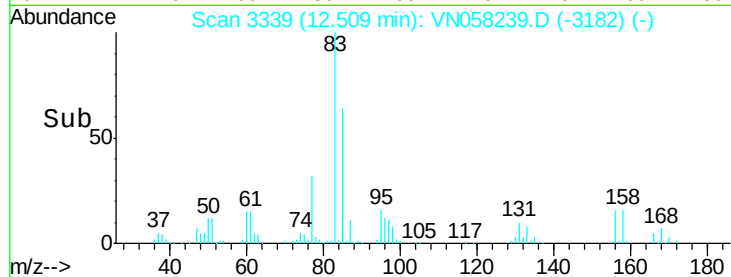
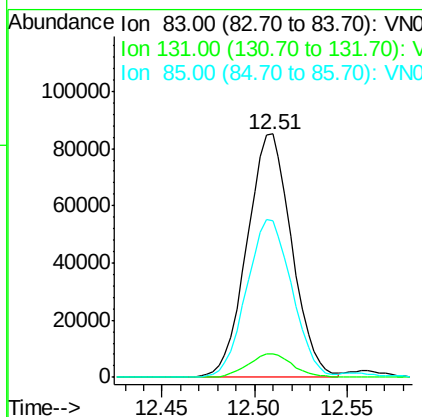
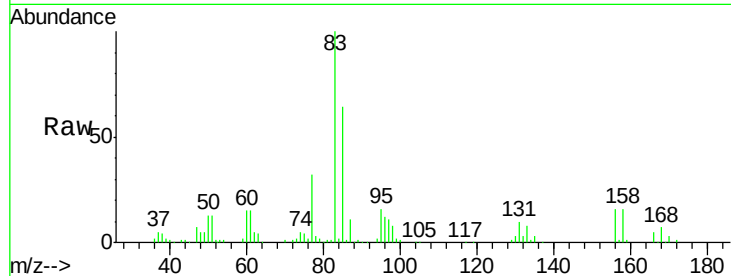
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.535 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.8	4.9	14.6	
85	66.0	32.1	96.3	

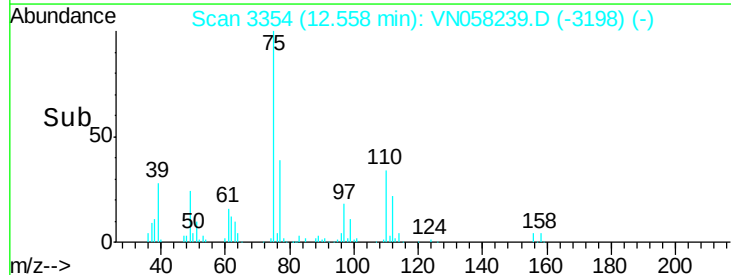
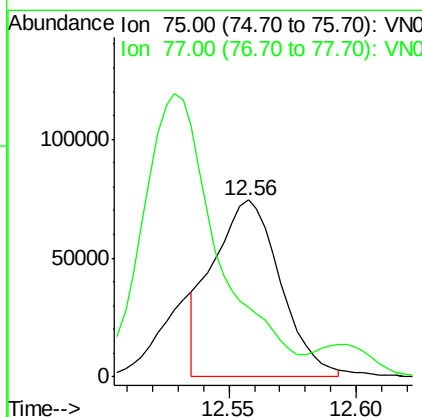
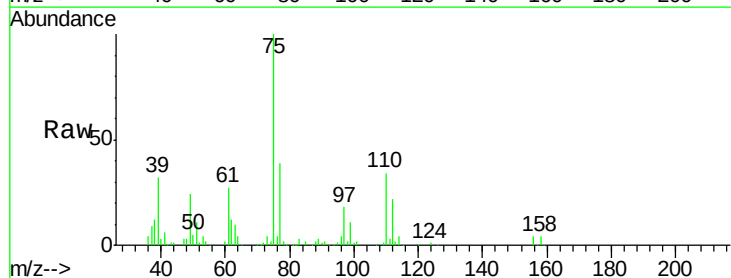
Manual Integrations
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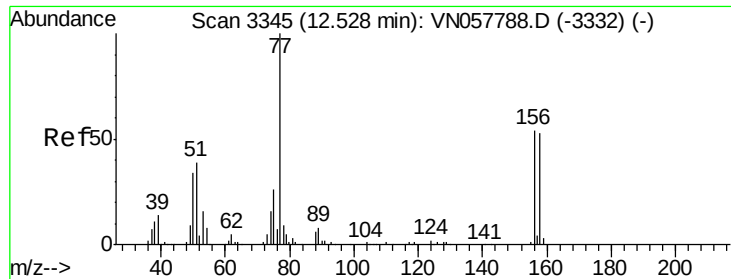
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 9/23/2019 3:29:42 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.077 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	180.5	0.0	351.6	





#73

Bromobenzene

Concen: 19.900 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

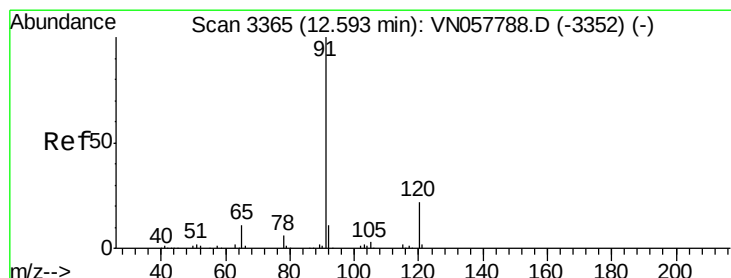
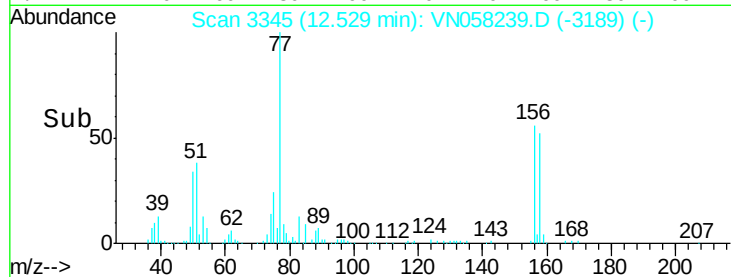
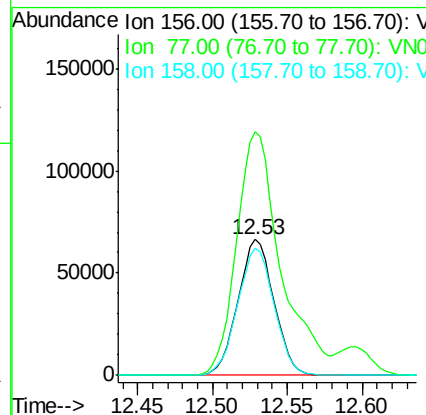
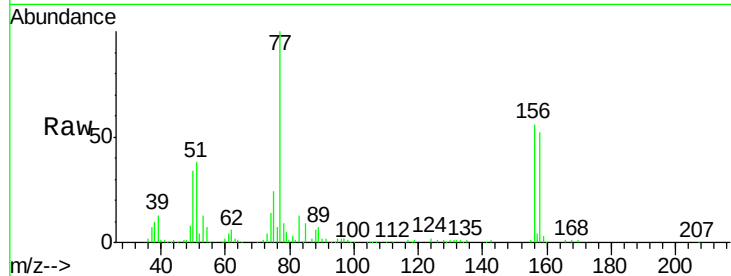
ClientSampleId :

VN0920WBSD01

Tot Ion:	156	Resp:	111163
Ion Ratio	Lower	Upper	
156	100		
77	221.5	0.0	446.6
158	95.8	0.0	197.2

Manual Integrations
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9/23/2019 3:29:42 PM



#74

n-propylbenzene

Concen: 20.999 ug/l

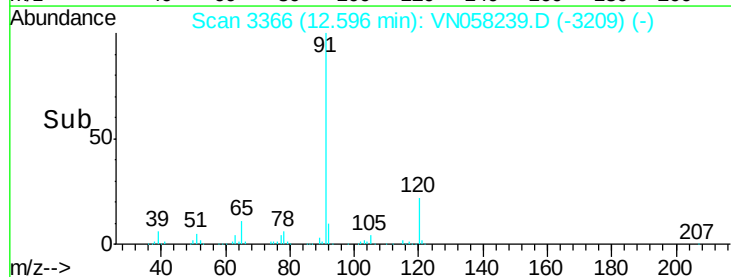
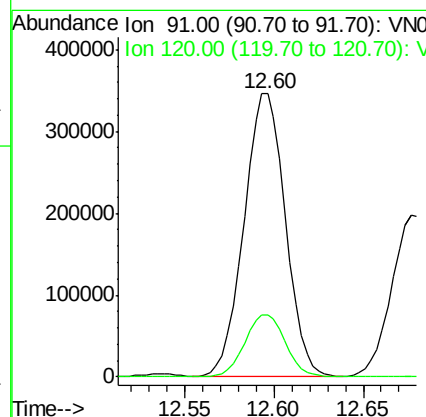
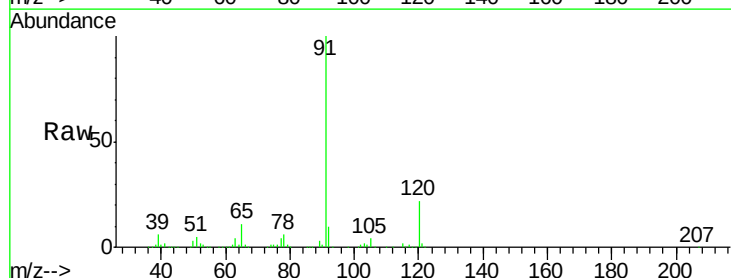
RT: 12.60 min Scan# 3366

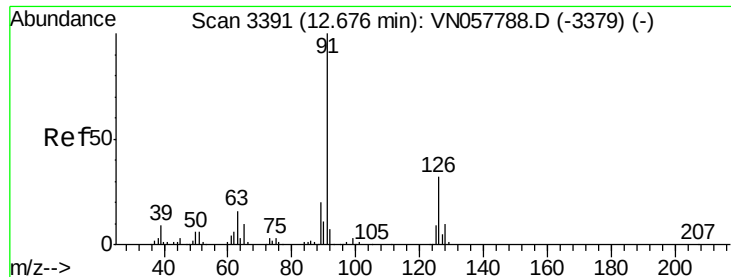
Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion:	91	Resp:	559796
Ion Ratio	Lower	Upper	
91	100		
120	21.5	0.0	43.4





#75

2-Chlorotoluene

Concen: 19.795 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0920WBSD01

Tot Ion: 91 Resp: 328691

Ion Ratio Lower Upper

91 100

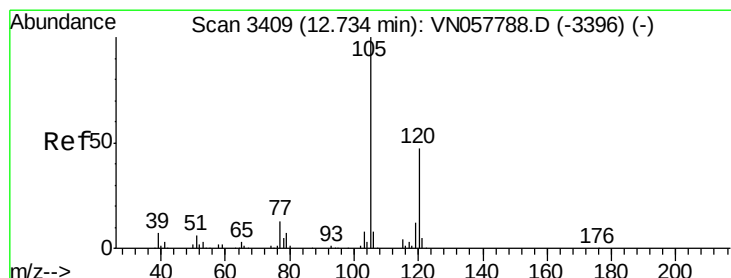
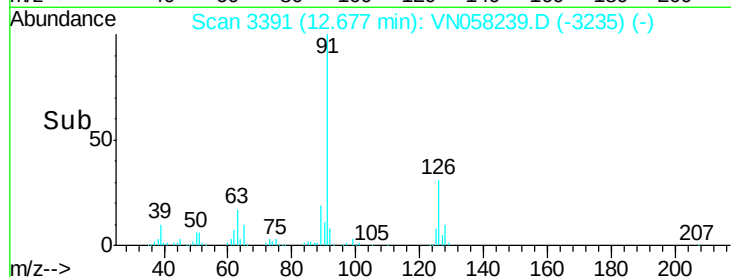
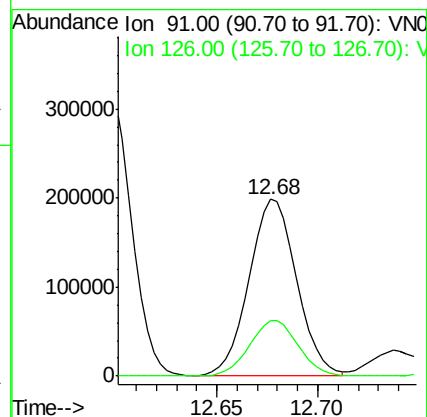
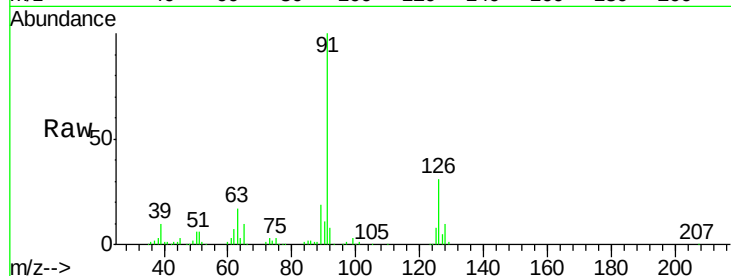
126 32.1 0.0 64.8

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9/23/2019 3:29:42 PM



#76

1,3,5-Trimethylbenzene

Concen: 20.103 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058239.D

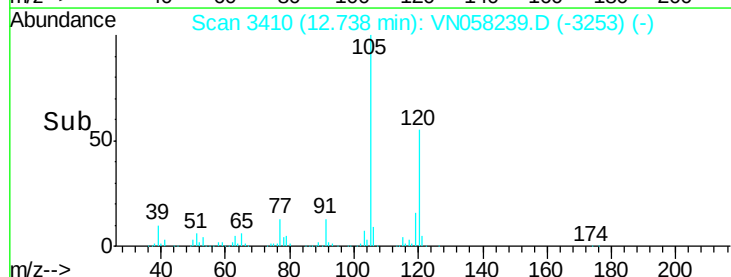
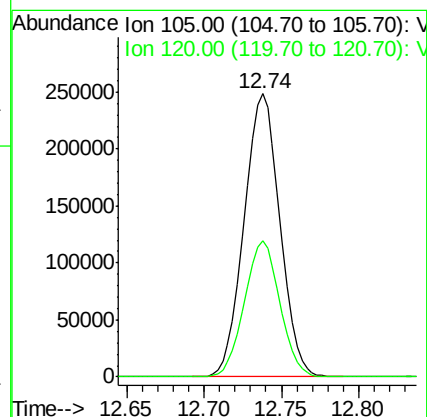
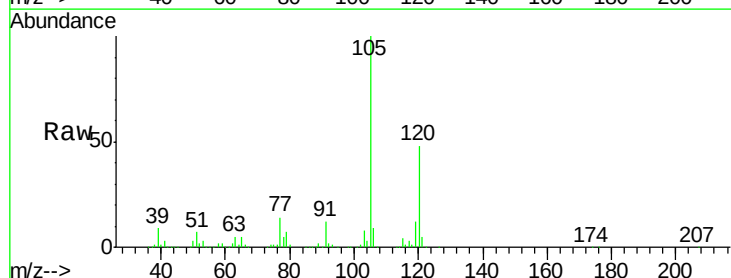
Acq: 20 Sep 2019 10:58

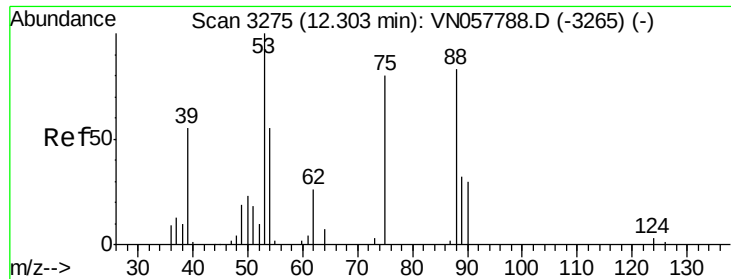
Tgt Ion: 105 Resp: 399416

Ion Ratio Lower Upper

105 100

120 47.6 0.0 94.4





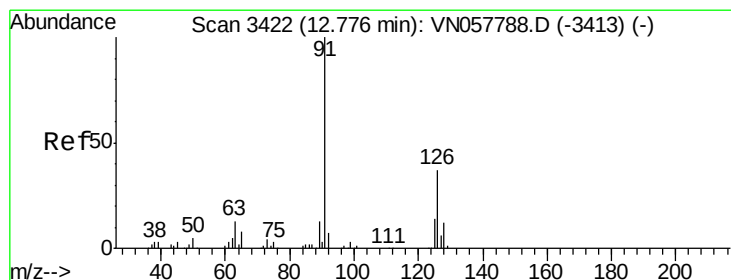
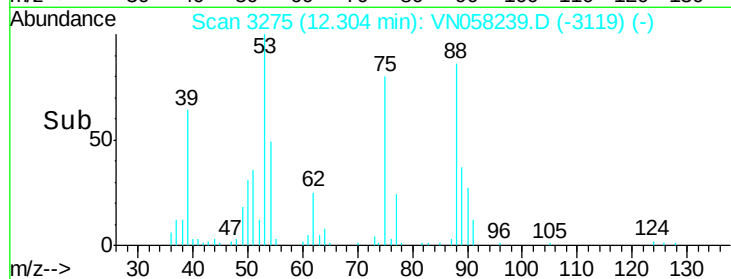
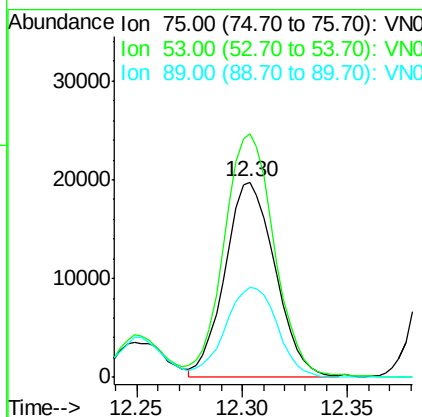
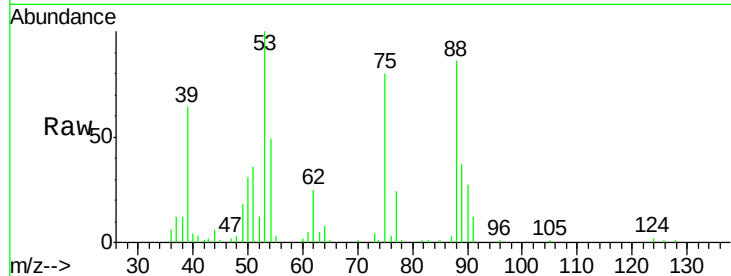
#77
t-1,4-Dichloro-2-butene
Concen: 17.109 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.7	62.7	188.2
89	46.4	22.8	68.3

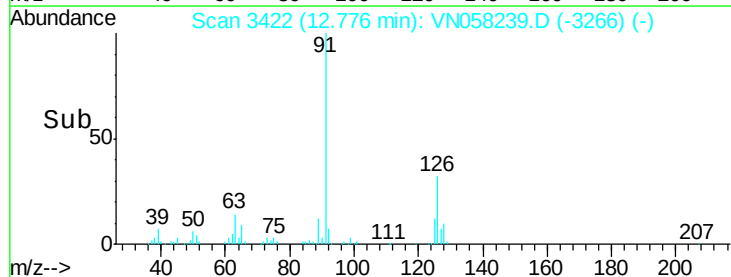
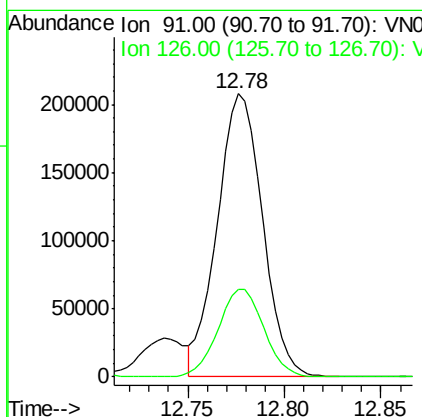
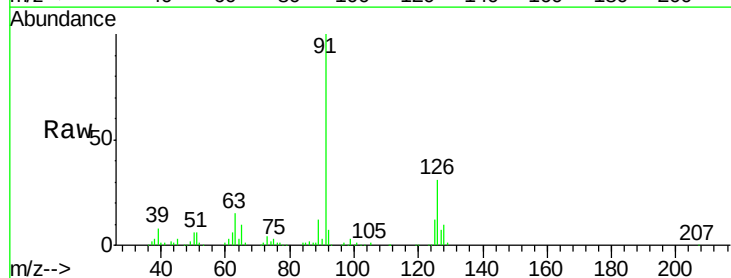
Manual Integrations
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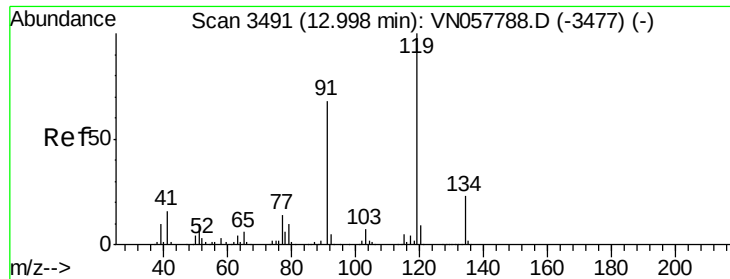
MMDadoda
9/23/2019 3:29:42 PM



#78
4-Chlorotoluene
Concen: 19.827 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	65.2





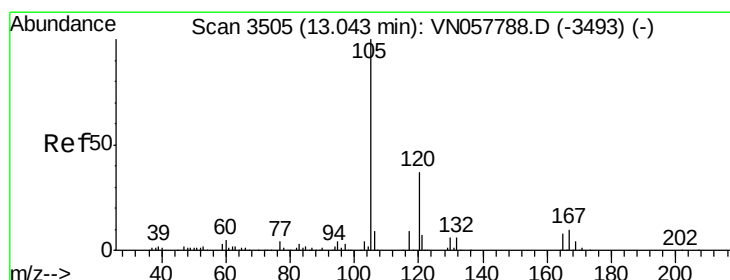
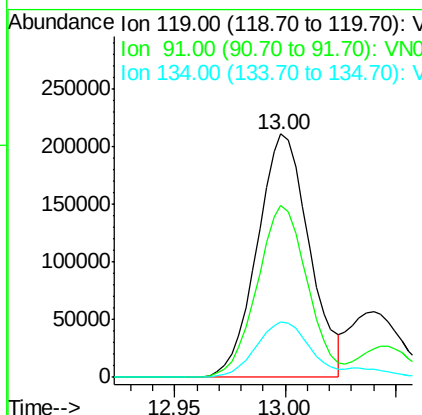
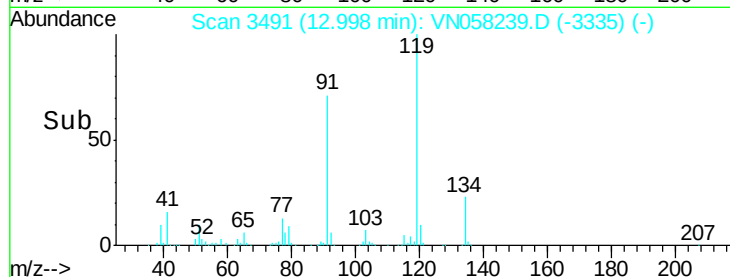
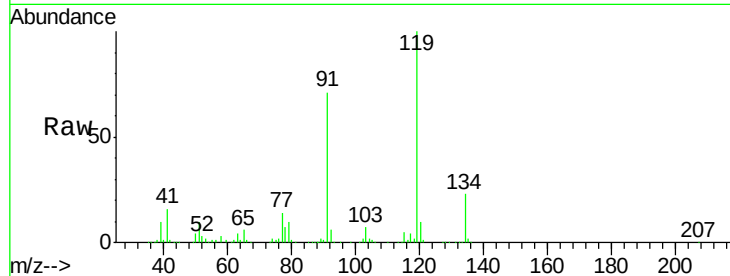
#79
tert-butylbenzene
Concen: 19.853 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344118		
91	68.6	0.0	133.8	
134	23.8	0.0	46.4	

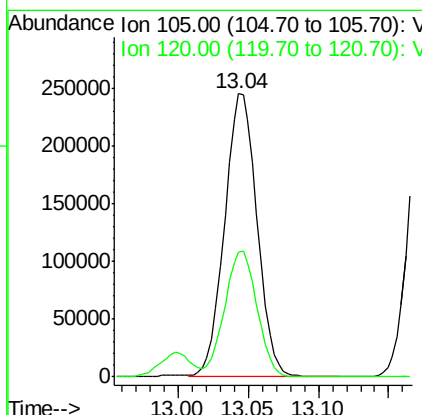
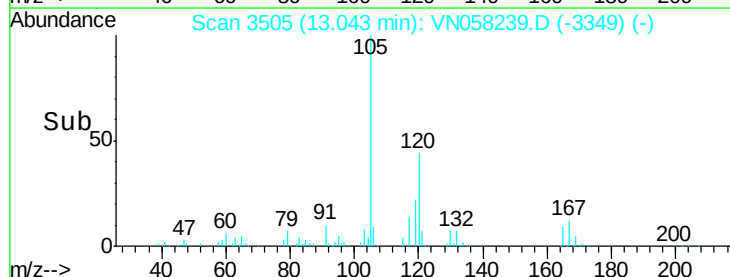
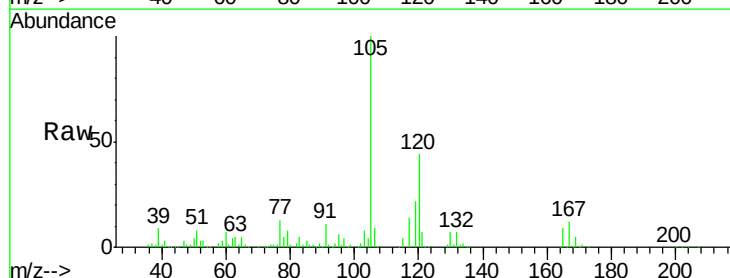
Manual Integrations
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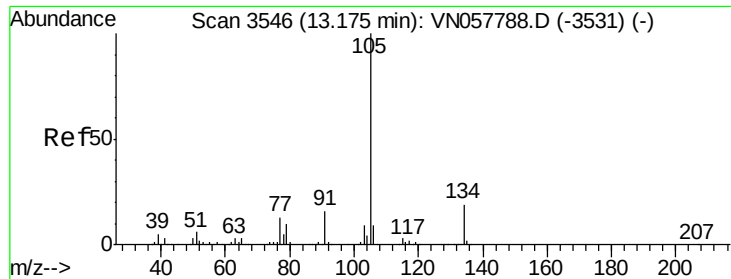
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#80
1,2,4-Trimethylbenzene
Concen: 19.881 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	393590		
120	44.6	0.0	87.8	





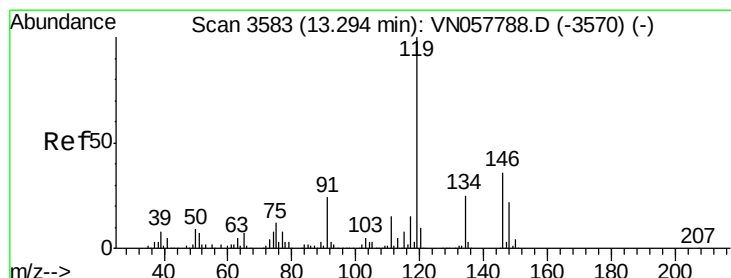
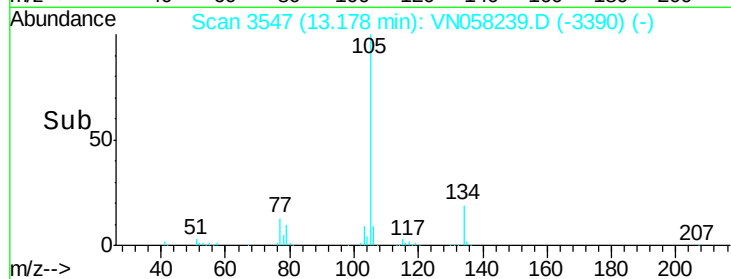
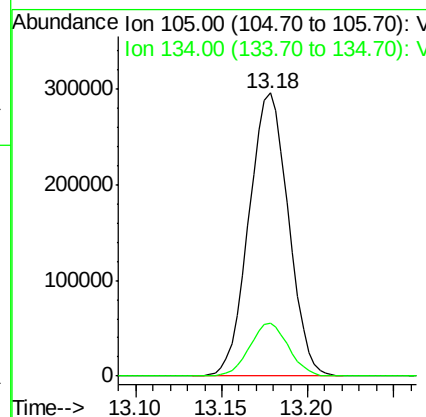
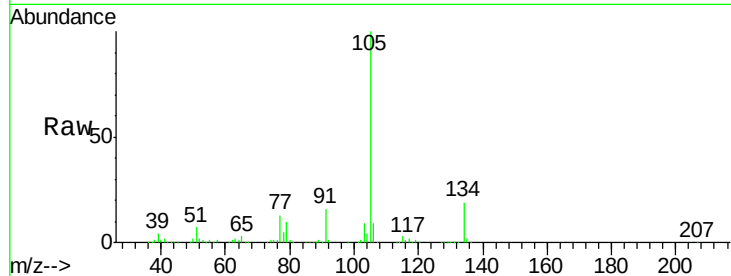
#81
 sec-Butylbenzene
 Concen: 20.443 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	470162		
134	18.5	0.0	37.6	

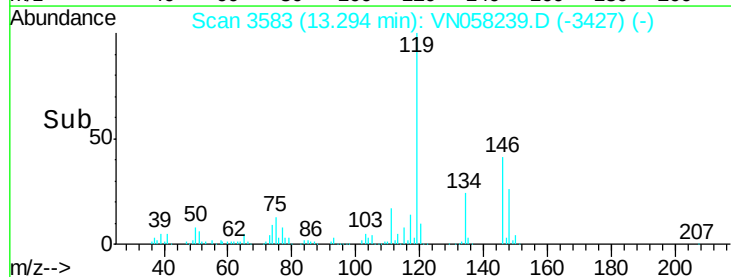
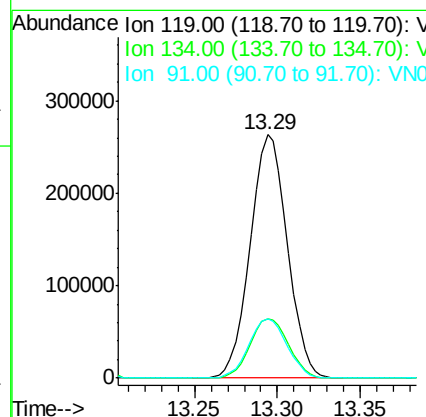
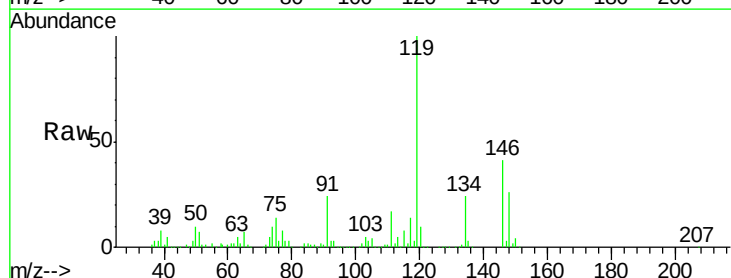
Manual Integrations
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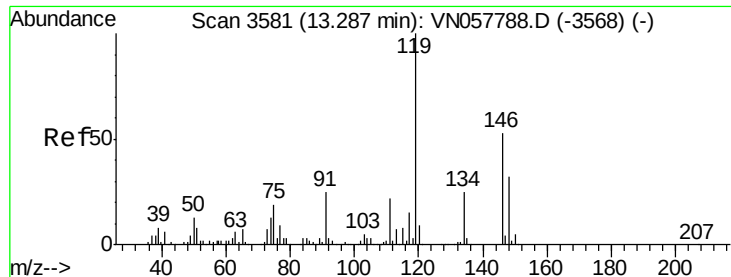
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#82
 p-Isopropyltoluene
 Concen: 19.832 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	408462		
134	25.5	0.0	50.4	
91	24.8	0.0	48.8	





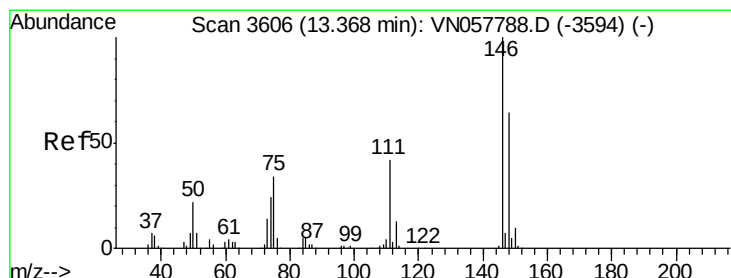
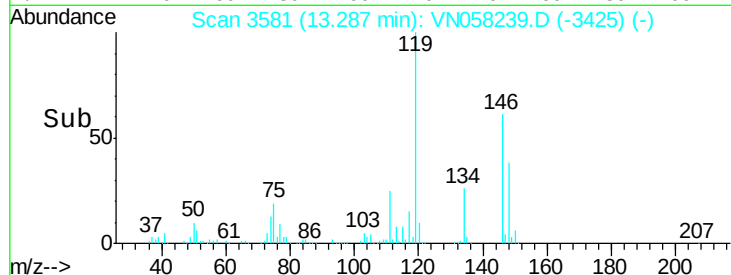
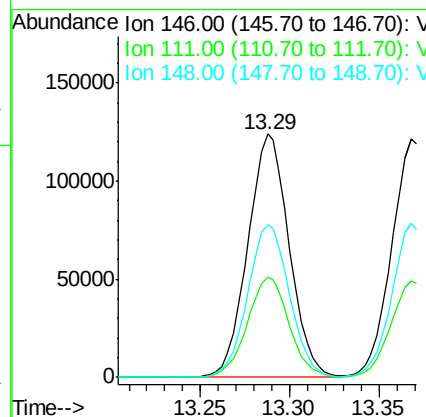
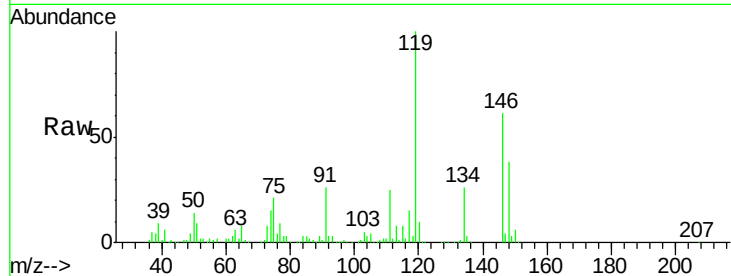
#83
 1,3-Dichlorobenzene
 Concen: 19.301 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200408		
111	41.7	20.7	62.1	
148	63.5	30.9	92.5	

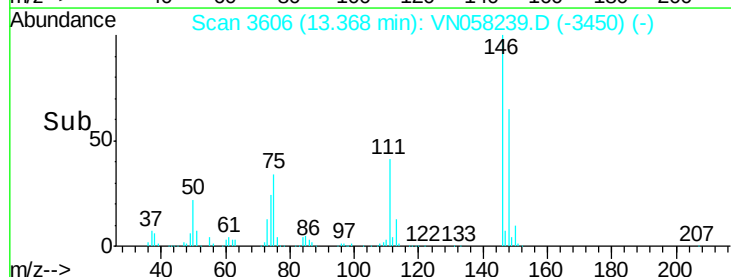
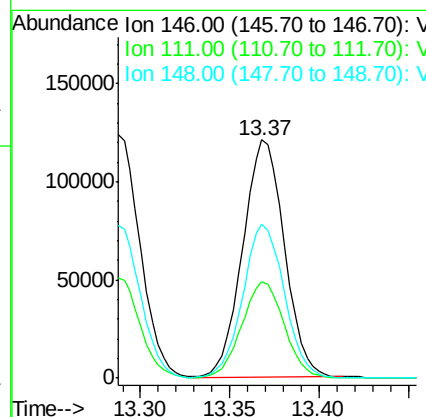
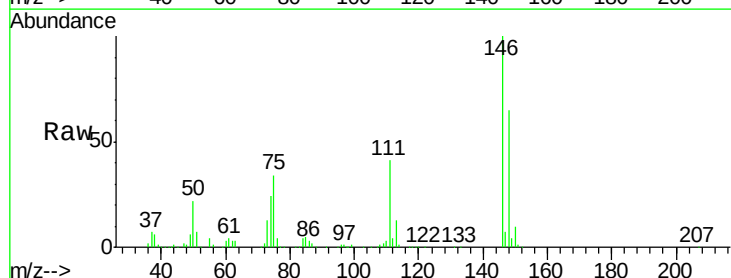
Manual Integrations
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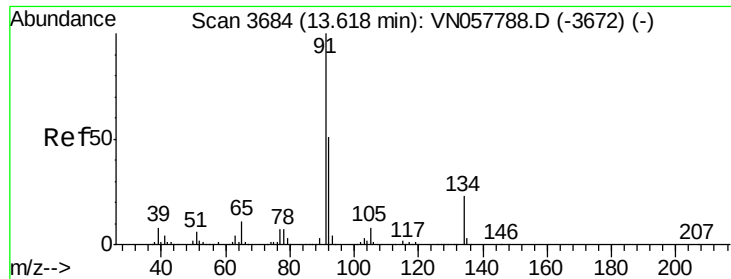
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 9/23/2019 3:29:42 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.226 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	196539		
111	40.9	21.1	63.4	
148	64.9	31.7	95.1	





#85

n-Butylbenzene

Concen: 19.423 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

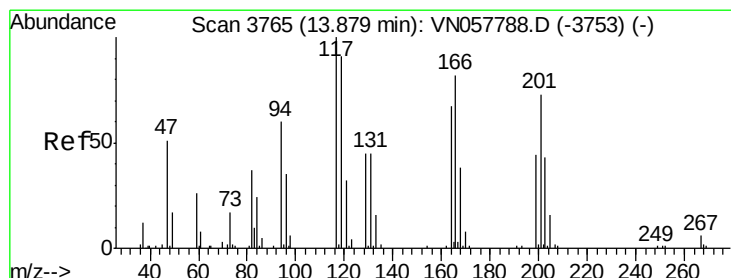
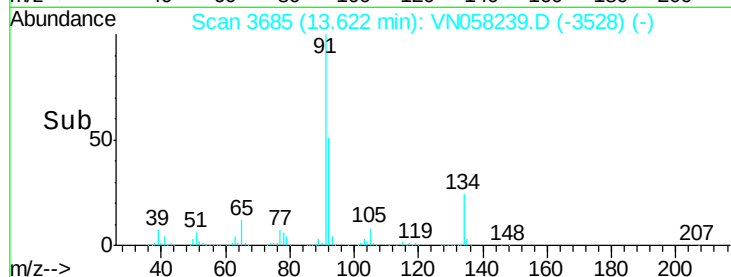
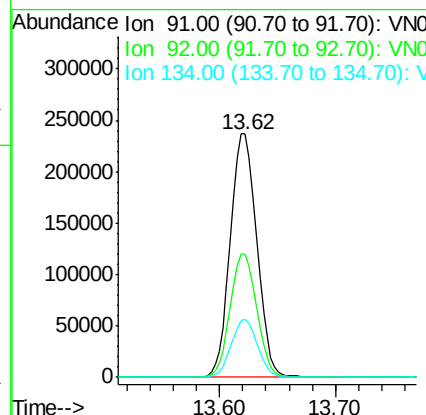
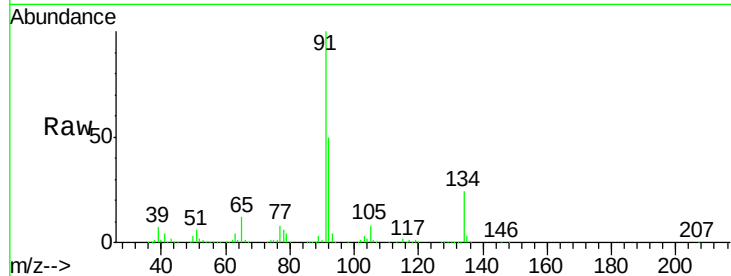
ClientSampleId :

VN0920WBSD01

Tot Ion:	91	Resp:	372833
Ion	Ratio	Lower	Upper
91	100		
92	51.1	0.0	100.0
134	23.6	0.0	46.6

Manual Integrations
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#86

Hexachloroethane

Concen: 18.407 ug/l

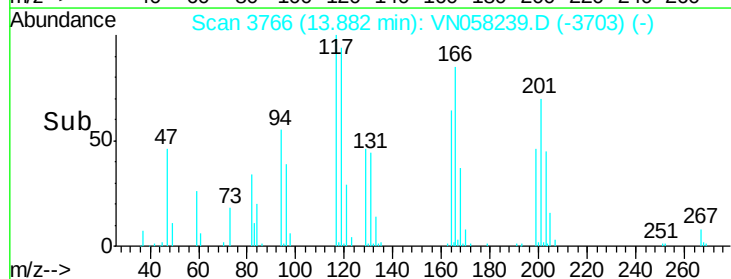
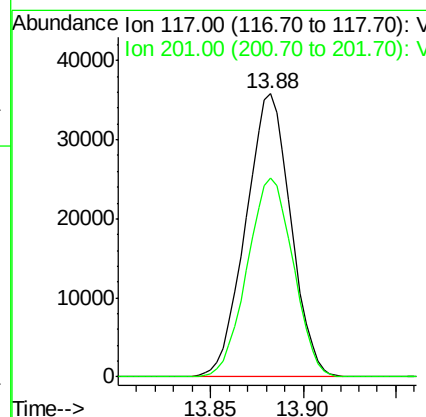
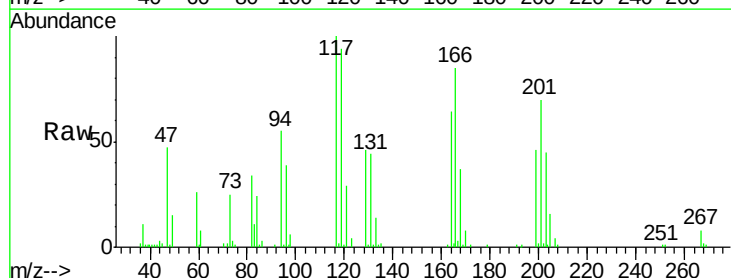
RT: 13.88 min Scan# 3766

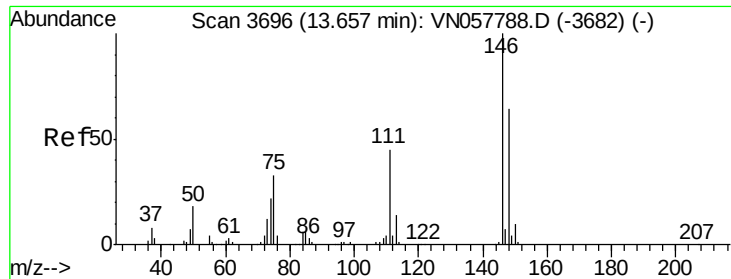
Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion:	117	Resp:	60386
Ion	Ratio	Lower	Upper
117	100		
201	71.7	36.7	110.1





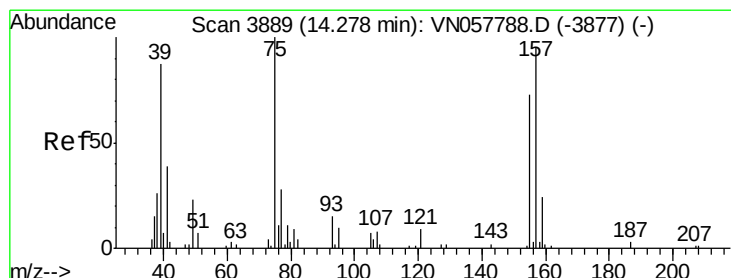
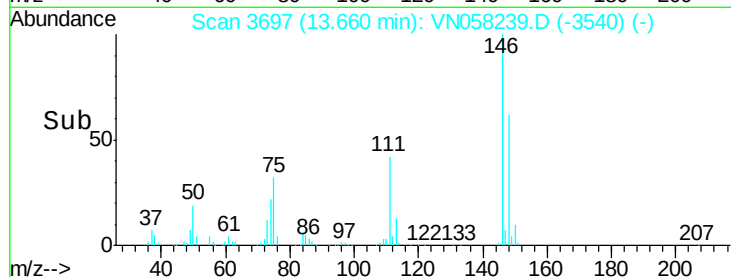
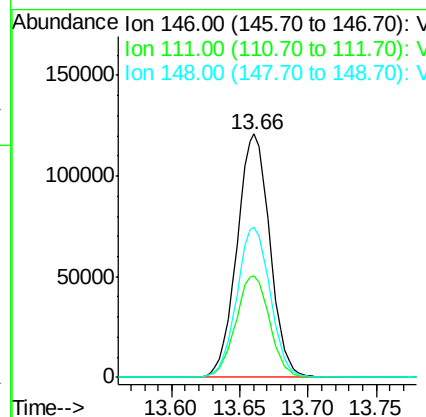
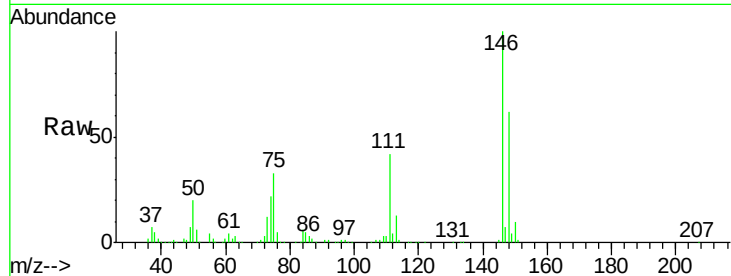
#87
 1,2-Dichlorobenzene
 Concen: 20.032 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.2	66.6
148	62.9	32.1	96.3

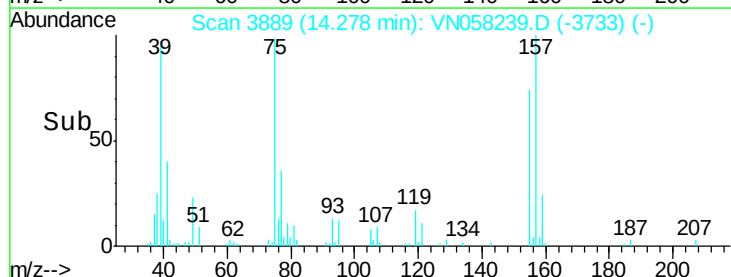
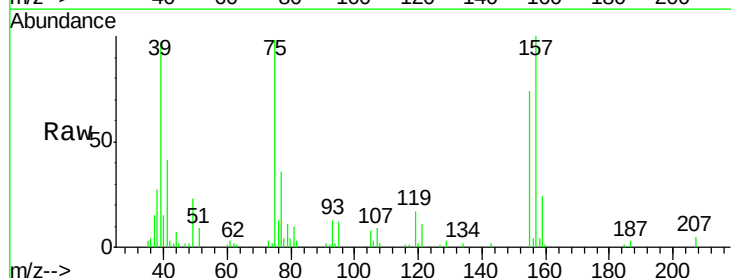
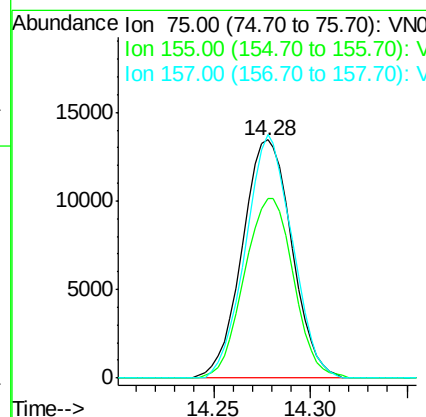
Manual Integrations
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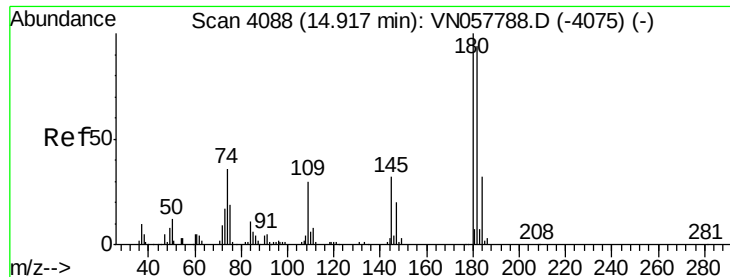
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 9/23/2019 3:29:42 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.666 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	59.4	89.2
157	96.0	74.6	112.0





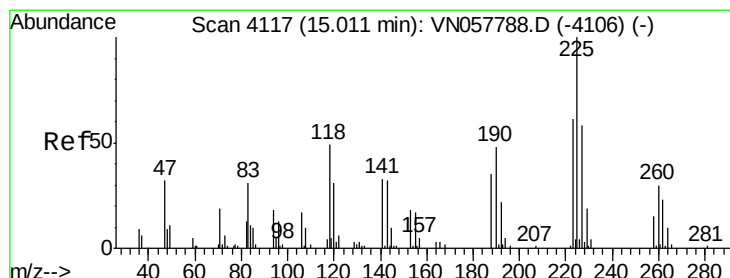
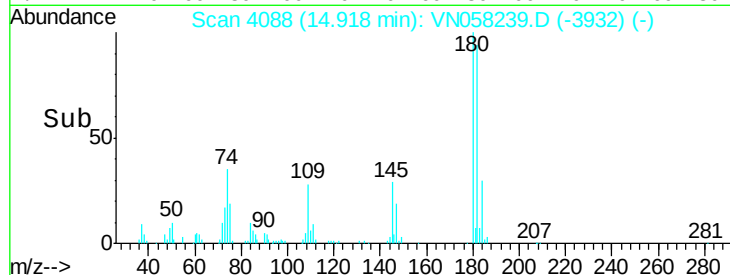
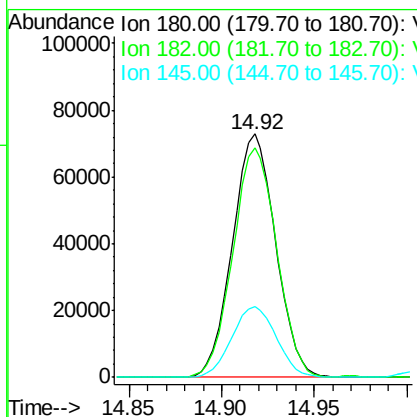
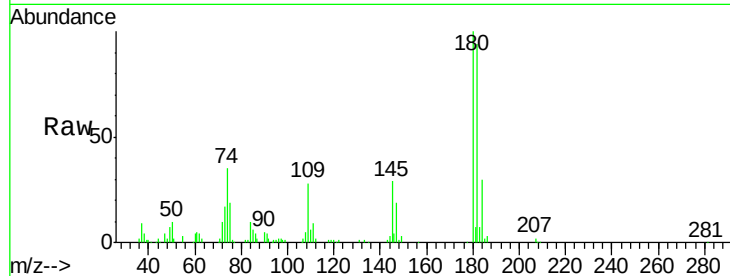
#89
 1,2,4-Trichlorobenzene
 Concen: 19.197 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118192		
182	95.2	77.0	115.4	
145	30.0	26.1	39.1	

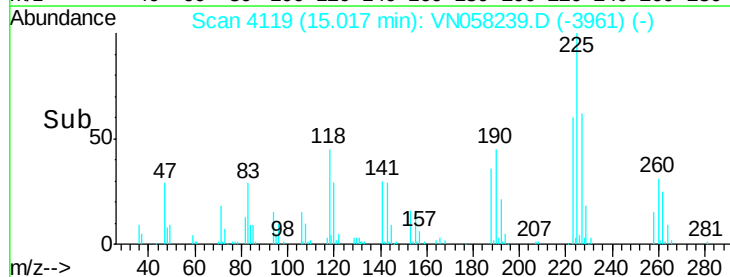
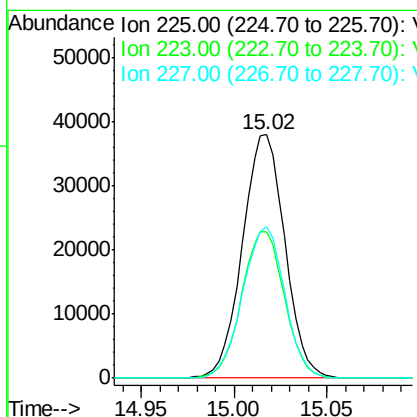
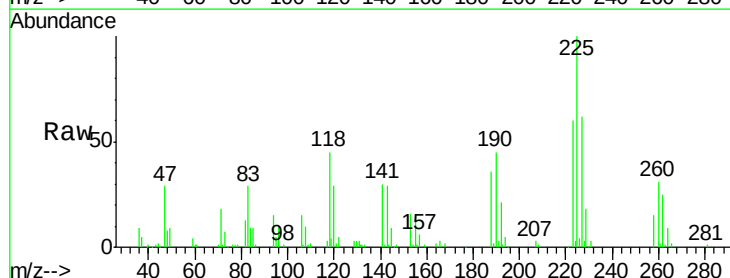
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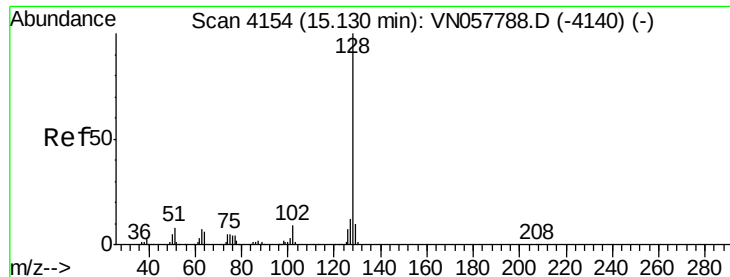
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#90
 Hexachlorobutadiene
 Concen: 21.416 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60555		
223	60.6	0.0	125.0	
227	61.6	0.0	123.8	





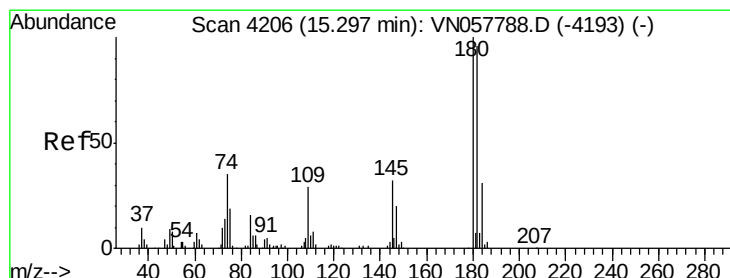
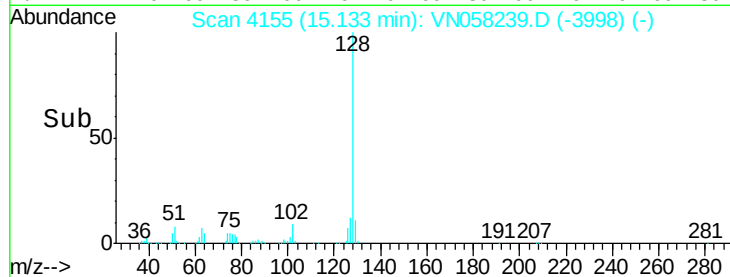
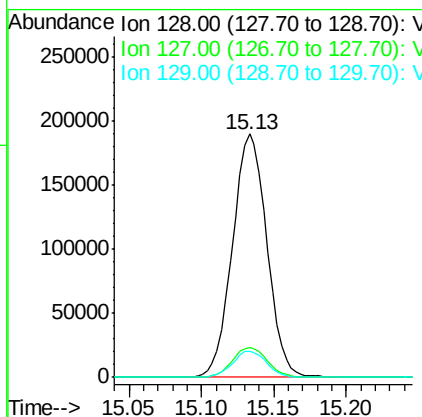
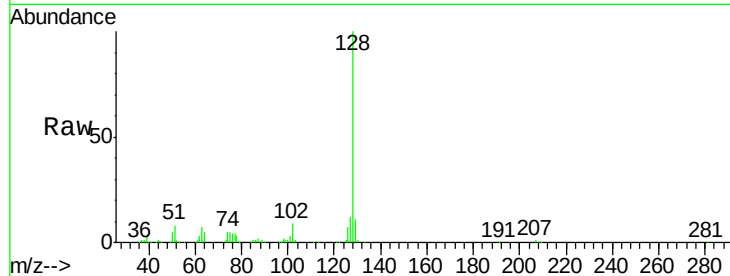
#91
Naphthalene
Concen: 18.442 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	312423		
127	12.6	9.9	14.9	
129	10.8	8.1	12.1	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.181 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.01 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112628		
182	94.5	0.0	189.8	
145	31.7	0.0	65.0	

