

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059128.D
 Acq On : 7 Nov 2019 17:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:34 AM

Quant Time: Nov 08 03:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	503848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	779711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	711811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	290895	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	7.57	113	227228	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.08	98	890823	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.40	95	327249	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	226779	44.672	ug/l	100
3) Chloromethane	2.04	50	294279	42.645	ug/l	100
4) Vinyl Chloride	2.17	62	297721	44.500	ug/l	98
5) Bromomethane	2.54	94	138611	36.003	ug/l	99
6) Chloroethane	2.68	64	178387	45.074	ug/l	97
7) Trichlorofluoromethane	3.00	101	369910	46.225	ug/l	99
8) Diethyl Ether	3.39	74	149149	45.870	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	222947	46.207	ug/l	100
10) Methyl Iodide	3.93	142	238057	39.860	ug/l	99
11) Tert butyl alcohol	4.75	59	240818	204.020	ug/l	99
12) 1,1-Dichloroethene	3.72	96	217773	46.333	ug/l	99
13) Acrolein	3.58	56	122282	200.933	ug/l	98
14) Allyl chloride	4.30	41	432407	44.787	ug/l	99
15) Acrylonitrile	4.95	53	714556	243.251	ug/l	99
16) Acetone	3.79	43	650002	201.815	ug/l	99
17) Carbon Disulfide	4.03	76	638589	43.768	ug/l	99
18) Methyl Acetate	4.30	43	368609	48.217	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	776038	47.957	ug/l	100
20) Methylene Chloride	4.53	84	257601	45.909	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	234061	46.394	ug/l	100
22) Diisopropyl ether	5.92	45	863598	47.356	ug/l	99
23) Vinyl Acetate	5.87	43	3615116	255.785	ug/l	100
24) 1,1-Dichloroethane	5.82	63	472187	46.359	ug/l	99
25) 2-Butanone	6.81	43	971693	228.913	ug/l	100
26) 2,2-Dichloropropane	6.80	77	389167	43.696	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	271946	46.462	ug/l	99
28) Bromochloromethane	7.17	49	140371	45.808	ug/l	99
29) Tetrahydrofuran	7.18	42	641102	237.696	ug/l	99
30) Chloroform	7.35	83	451037	46.163	ug/l	99
31) Cyclohexane	7.63	56	429180	44.510	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	389097	47.366	ug/l	100
36) 1,1-Dichloropropene	7.77	75	344410	47.257	ug/l	99
37) Ethyl Acetate	6.90	43	390345	48.145	ug/l	100
38) Carbon Tetrachloride	7.75	117	341871	47.129	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	405734	47.968	ug/l	100
40) Benzene	8.02	78	1046446	47.681	ug/l	99
41) Methacrylonitrile	7.16	41	181592m	51.507	ug/l	
42) 1,2-Dichloroethane	8.10	62	357791	47.533	ug/l	100
43) Isopropyl Acetate	8.14	43	621032	48.046	ug/l	99
44) Trichloroethene	8.82	130	253344	46.960	ug/l	100
45) 1,2-Dichloropropane	9.10	63	285182	47.840	ug/l	97
46) Dibromomethane	9.19	93	172840	46.529	ug/l	99
47) Bromodichloromethane	9.39	83	357080	48.140	ug/l	97
48) Methyl methacrylate	9.18	41	283469	49.029	ug/l	99
49) 1,4-Dioxane	9.18	88	82967	807.478	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1946938	266.204	ug/l	100
52) Toluene	10.15	92	636845	48.414	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	409466	47.780	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	446175	48.401	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	252935	47.512	ug/l	100
56) Ethyl methacrylate	10.42	69	410157	46.335	ug/l	99
57) 1,3-Dichloropropane	10.70	76	444810	48.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	773604	261.110	ug/l	100
59) 2-Hexanone	10.74	43	1432567	255.195	ug/l	99
60) Dibromochloromethane	10.90	129	276426	49.111	ug/l	100
61) 1,2-Dibromoethane	11.00	107	260056	48.255	ug/l	99
64) Tetrachloroethene	10.62	164	225216	46.530	ug/l	98
65) Chlorobenzene	11.43	112	668634	48.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	251754	48.366	ug/l	99
67) Ethyl Benzene	11.51	91	1224294	49.729	ug/l	99
68) m/p-Xylenes	11.62	106	915324	99.254	ug/l	99
69) o-Xylene	11.95	106	434210	48.721	ug/l	99
70) Styrene	11.96	104	725521	51.762	ug/l	99
71) Bromoform	12.13	173	201482	49.763	ug/l	100
73) Isopropylbenzene	12.25	105	1183707	47.710	ug/l	100
74) N-amyl acetate	12.07	43	522603	49.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	396068	46.877	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	348491m	44.878	ug/l	
77) Bromobenzene	12.53	156	287265	46.085	ug/l	99
78) n-propylbenzene	12.59	91	1379048	48.545	ug/l	99
79) 2-Chlorotoluene	12.67	91	824372	46.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1003937	47.754	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	137079	46.626	ug/l	99
82) 4-Chlorotoluene	12.77	91	841824	47.627	ug/l	100
83) tert-Butylbenzene	12.99	119	848956	46.761	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	993926	48.866	ug/l	99
85) sec-Butylbenzene	13.17	105	1137433	48.173	ug/l	100
86) p-Isopropyltoluene	13.29	119	1034613	49.626	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	509329	47.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	499868	46.805	ug/l	99
89) n-Butylbenzene	13.62	91	898418	49.236	ug/l	100
90) Hexachloroethane	13.88	117	189753	45.326	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	502933	47.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77538	46.001	ug/l	97

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QLast Update : Thu Nov 07 04:00:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	292516	46.165	ug/l	98
94) Hexachlorobutadiene	15.01	225	158119	43.673	ug/l	98
95) Naphthalene	15.13	128	826377	46.952	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	288639	49.050	ug/l	99

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

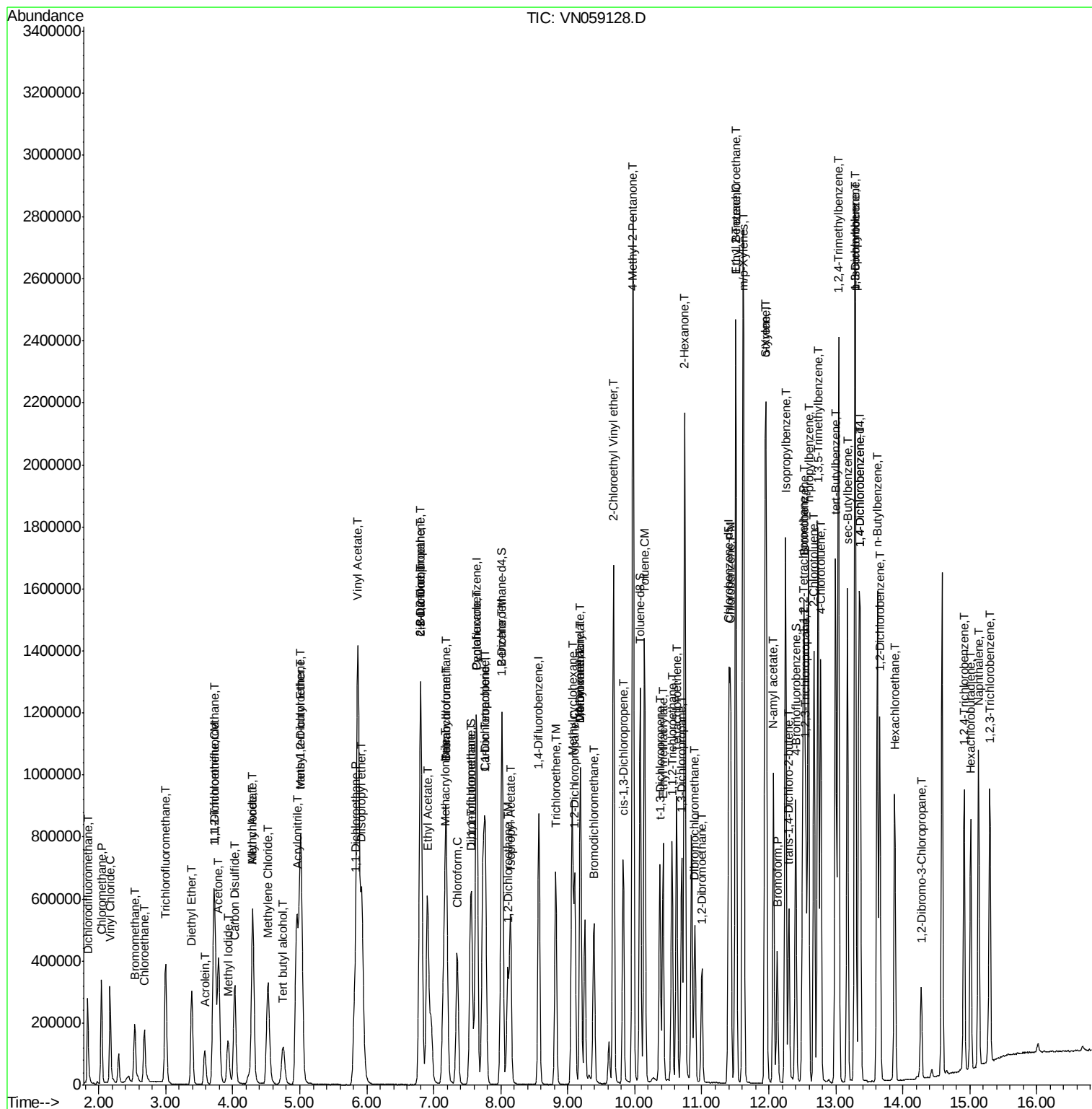
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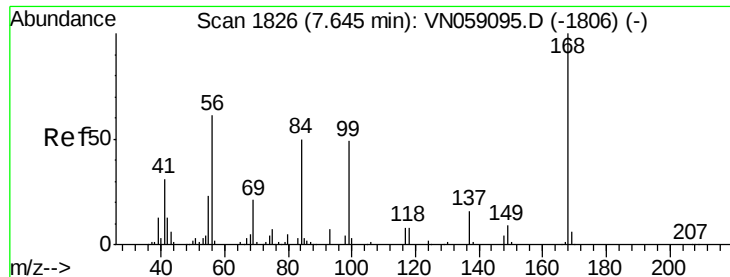
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 503848

Ion Ratio Lower Upper

168 100

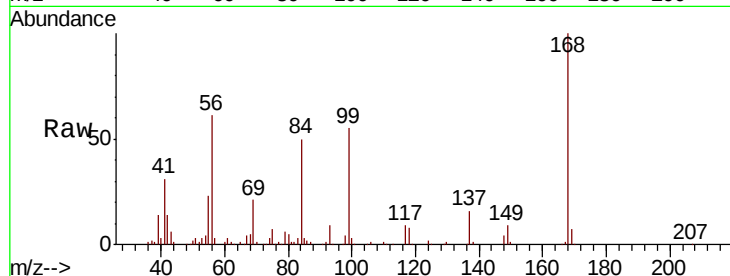
99 54.9 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

250000

200000

150000

100000

50000

0

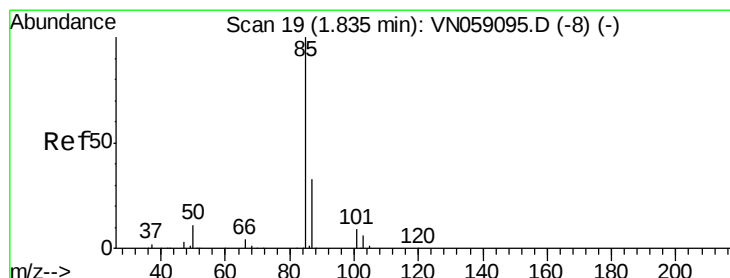
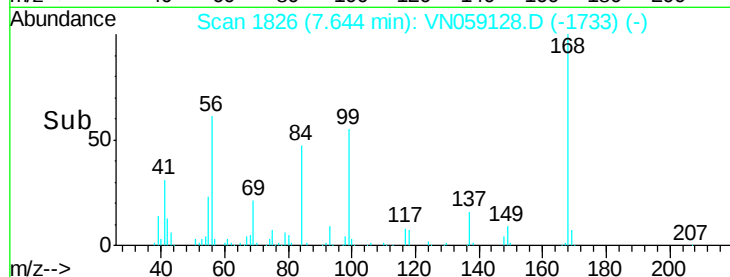
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.672 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059128.D

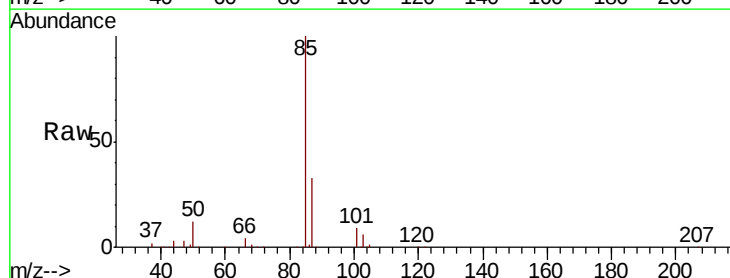
Acq: 7 Nov 2019 17:44

Tgt Ion: 85 Resp: 226779

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

150000

100000

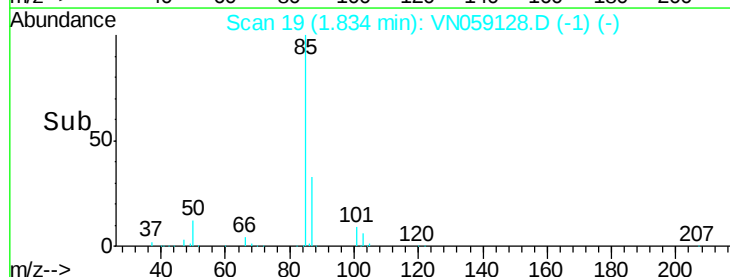
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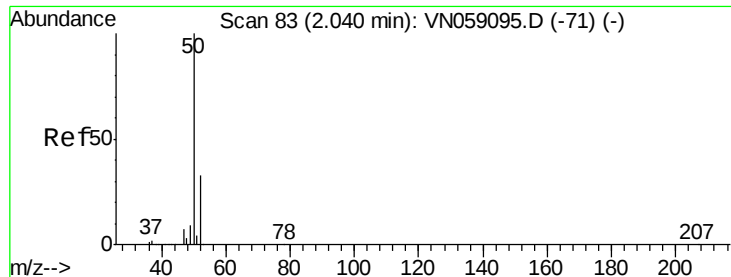
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 42.645 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 294279

Ion Ratio Lower Upper

50 100

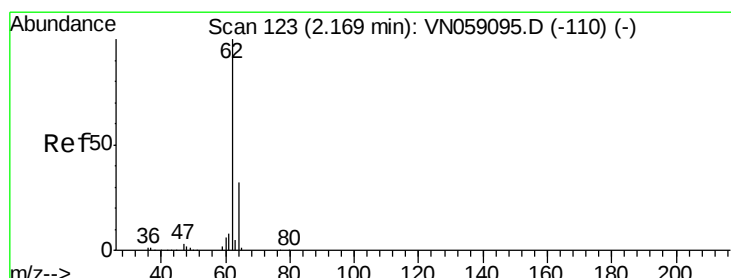
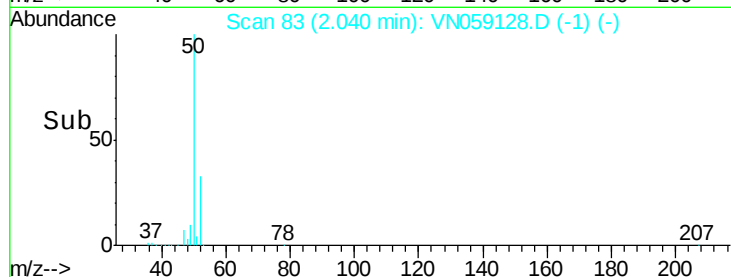
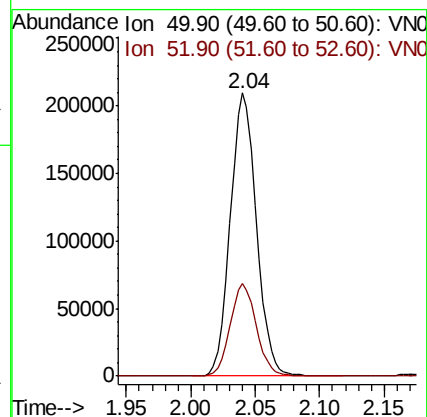
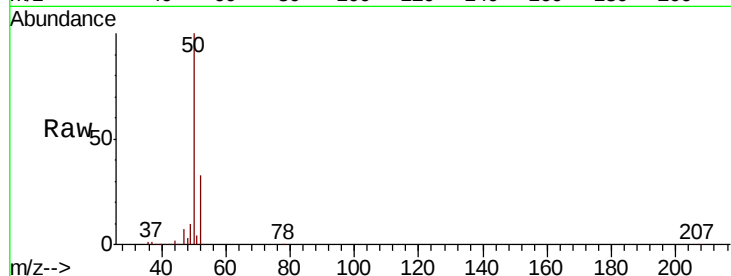
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.500 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059128.D

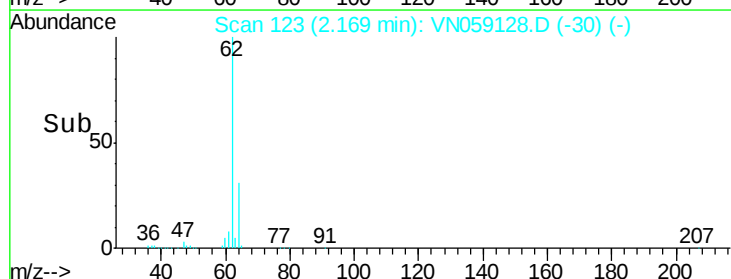
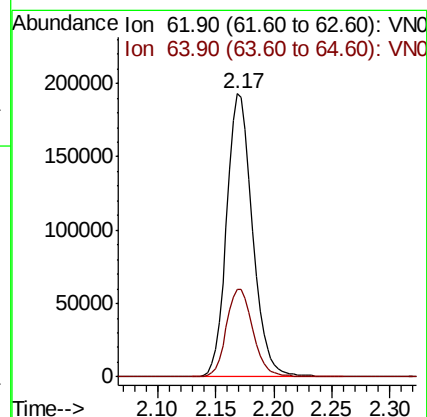
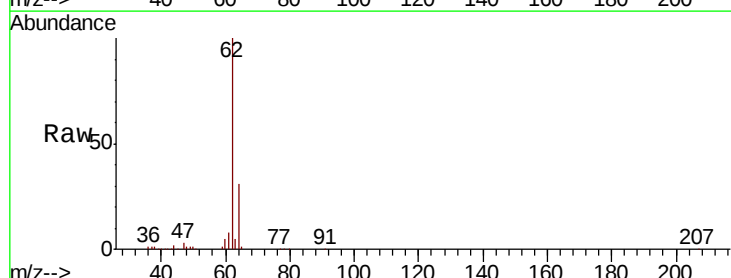
Acq: 7 Nov 2019 17:44

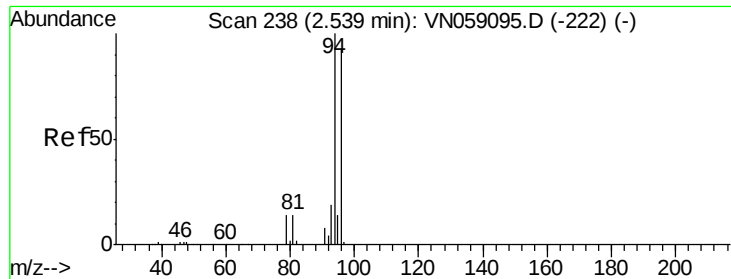
Tgt Ion: 62 Resp: 297721

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2





#5

Bromomethane

Concen: 36.003 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

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Tot Ion: 94 Resp: 138611

Ion Ratio Lower Upper

94 100

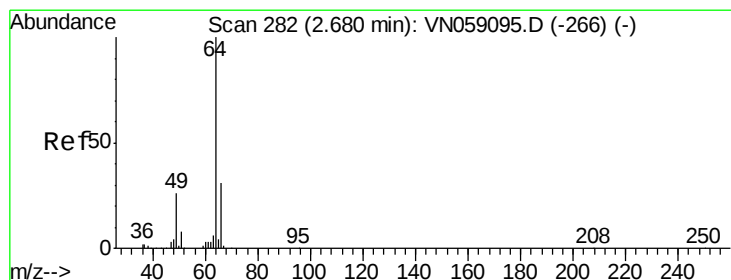
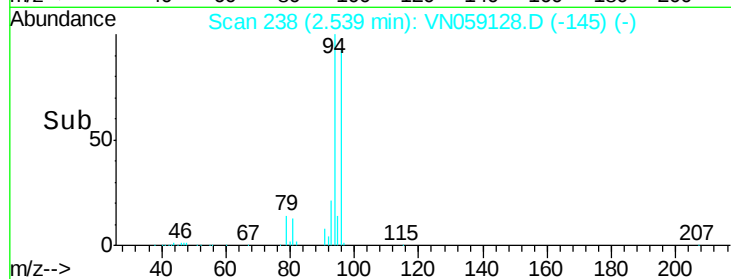
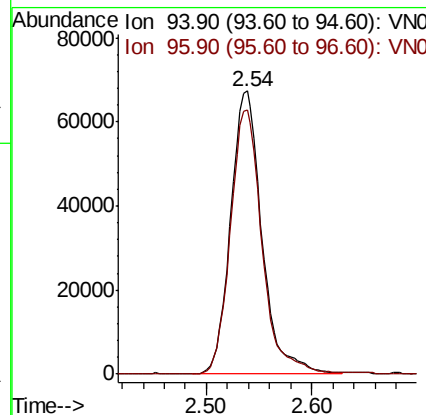
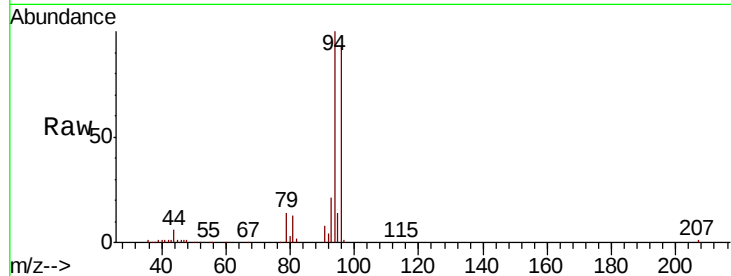
96 93.3 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 45.074 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059128.D

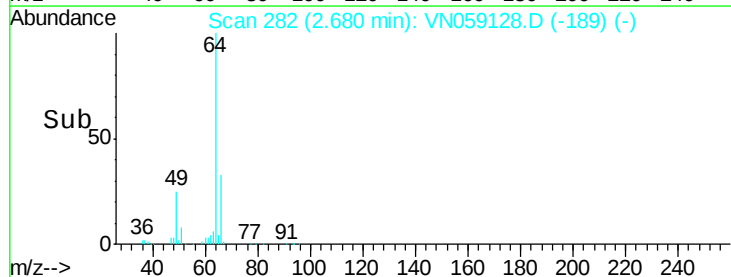
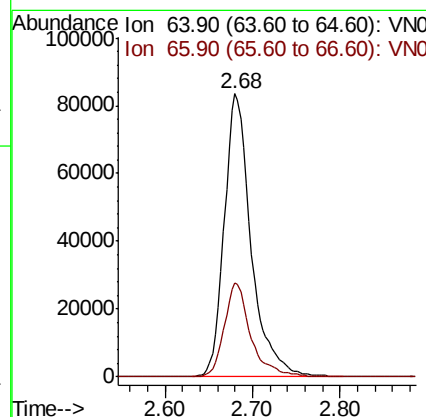
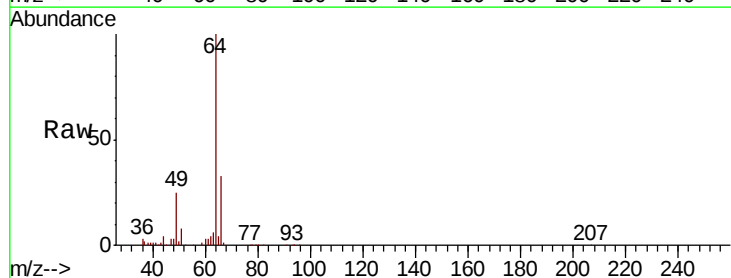
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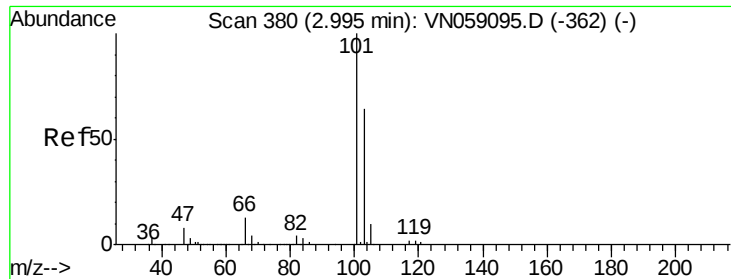
Tgt Ion: 64 Resp: 178387

Ion Ratio Lower Upper

64 100

66 33.4 25.2 37.8





#7

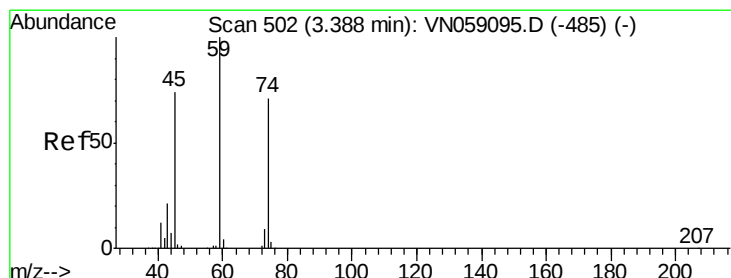
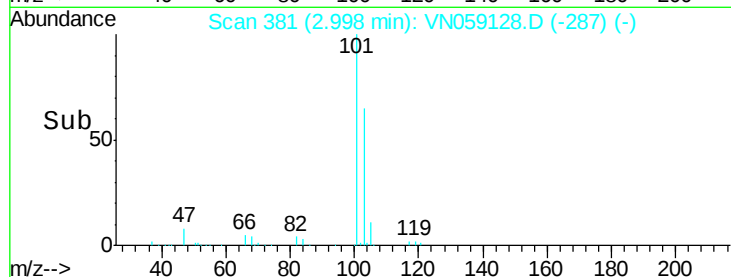
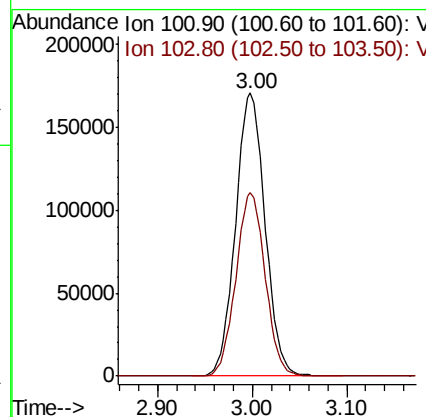
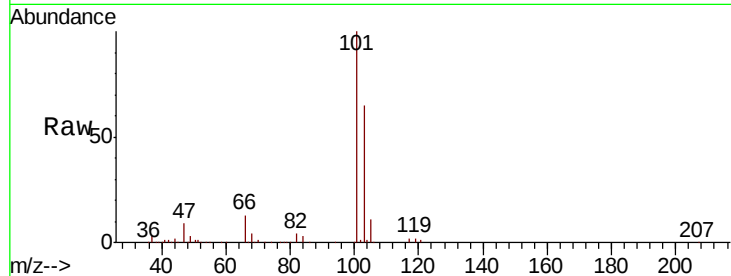
Trichlorofluoromethane
 Concen: 46.225 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059128.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

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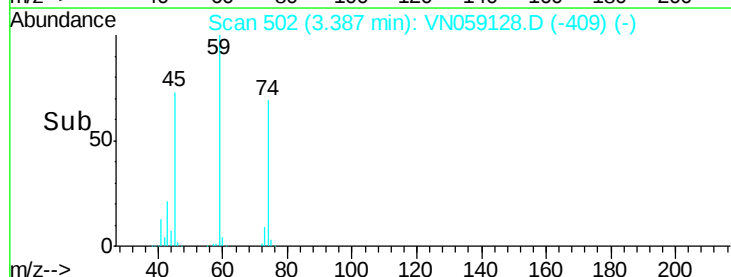
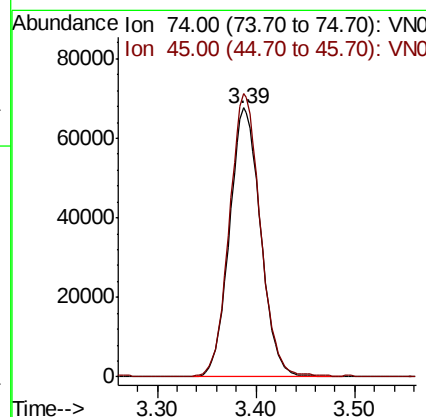
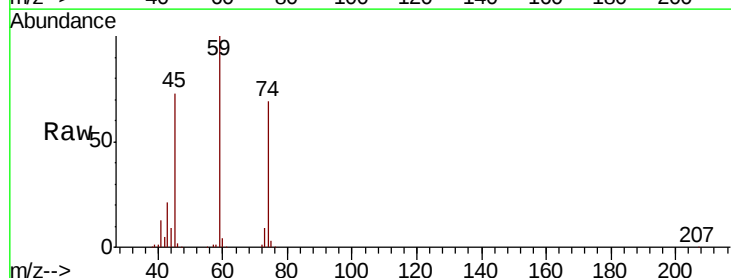
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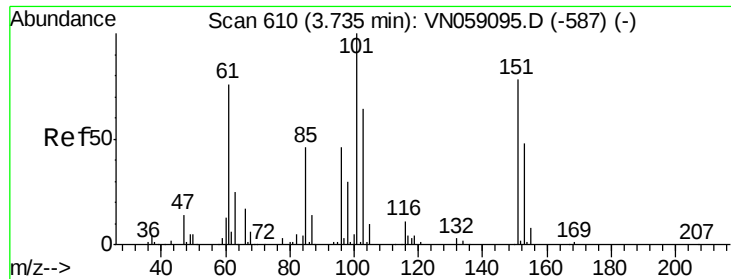


#8

Diethyl Ether
 Concen: 45.870 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059128.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	51.6	154.9





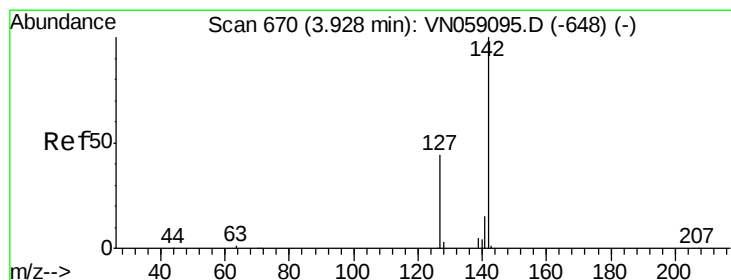
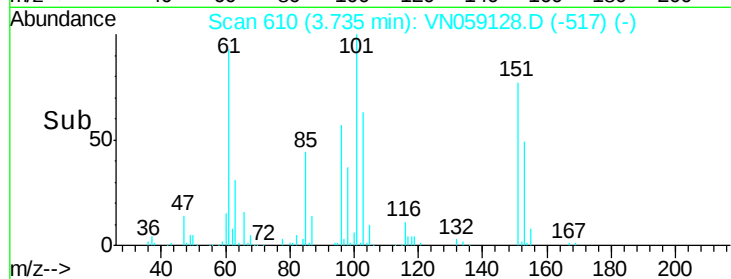
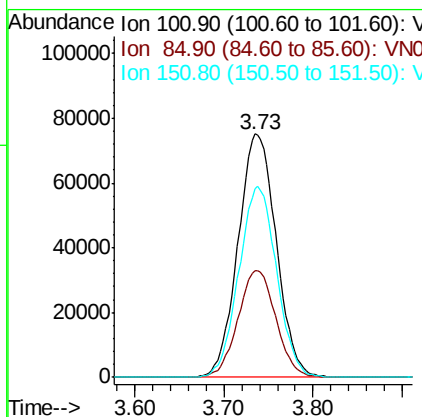
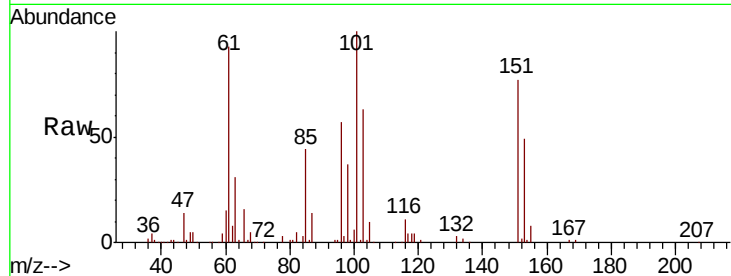
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.207 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	222947		
85	43.7	35.5	53.3	
151	77.8	62.2	93.2	

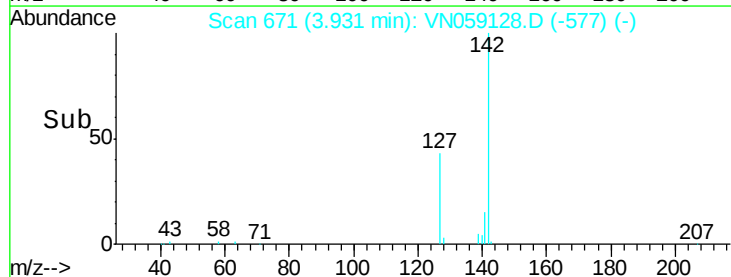
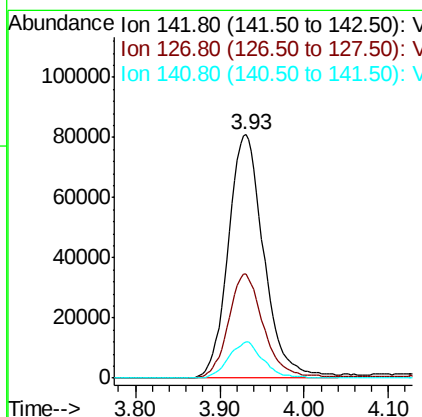
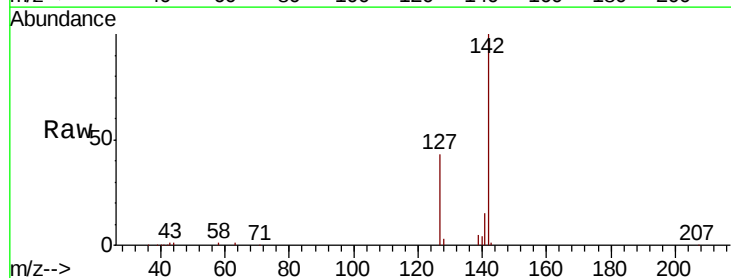
Manual Integrations
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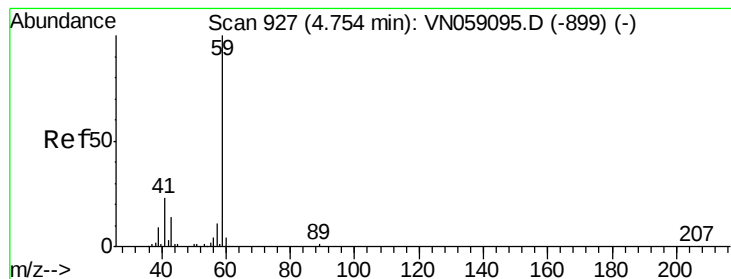
MMDadoda
 11/8/2019 9:39:34 AM



#10
 Methyl Iodide
 Concen: 39.860 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	238057		
127	41.7	34.2	51.2	
141	14.4	11.4	17.0	





#11

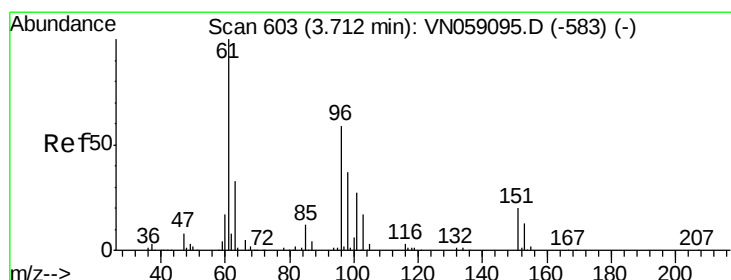
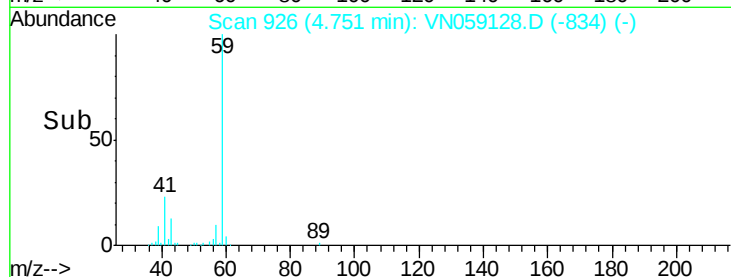
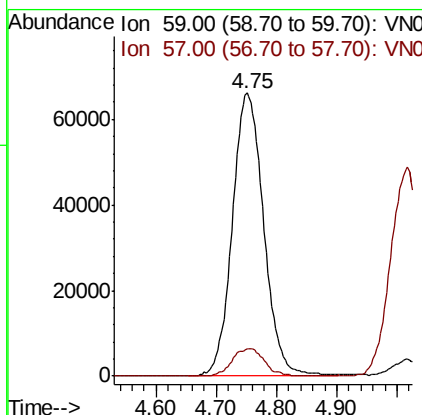
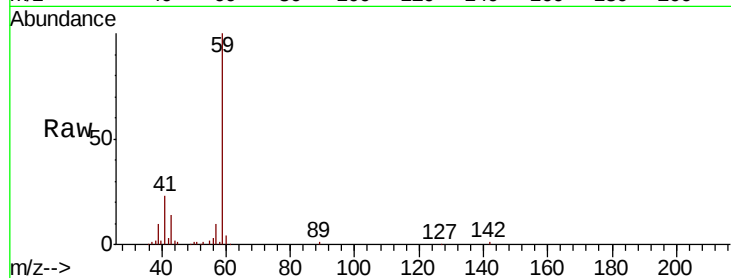
Tert butyl alcohol
Concen: 204.020 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	240818
Ion Ratio	100	Lower	Upper
57	10.0	8.3	12.5

Manual Integrations
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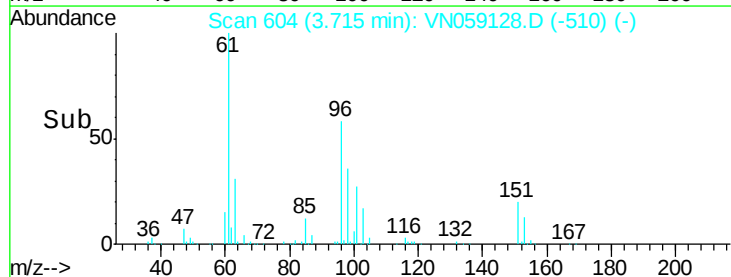
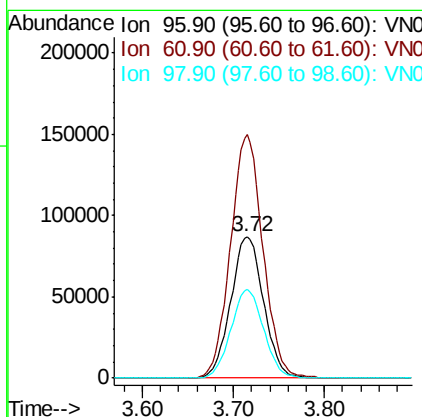
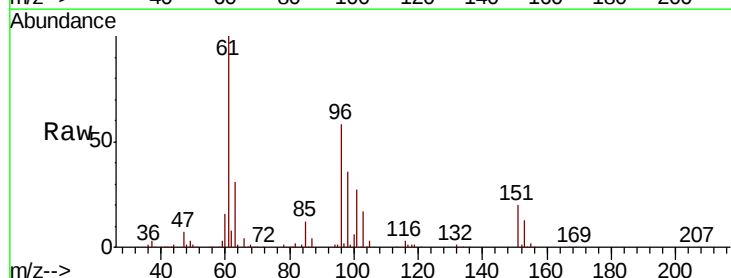
MMDadoda
11/8/2019 9:39:34 AM

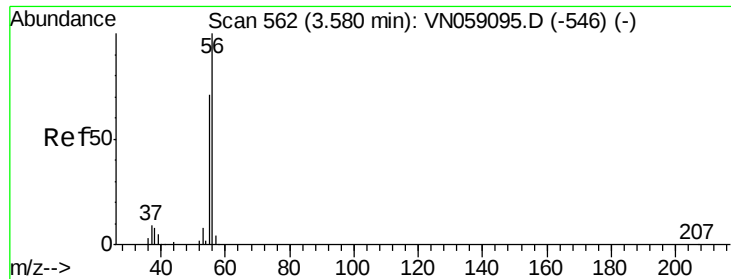


#12

1,1-Dichloroethene
Concen: 46.333 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	96	Resp	217773
Ion Ratio	100	Lower	Upper
61	171.9	136.5	204.7
98	62.7	50.2	75.4





#13

Acrolein

Concen: 200.933 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 122282

Ion Ratio Lower Upper

56 100

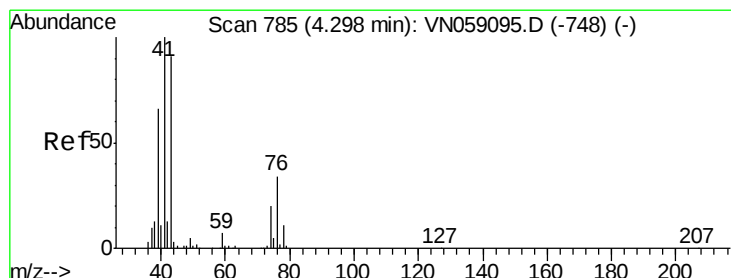
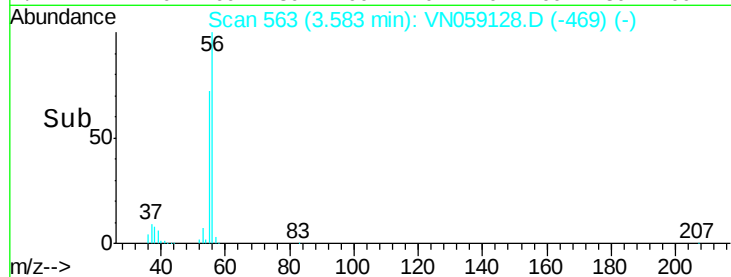
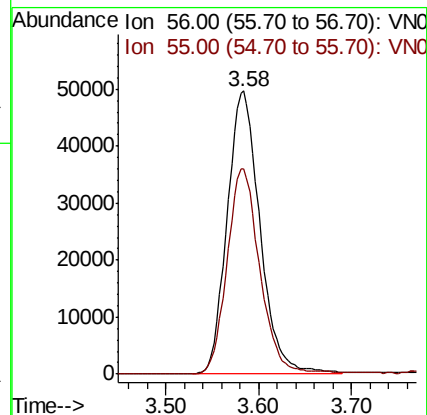
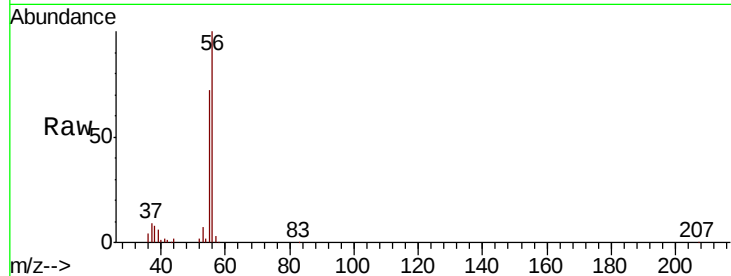
55 71.7 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 44.787 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

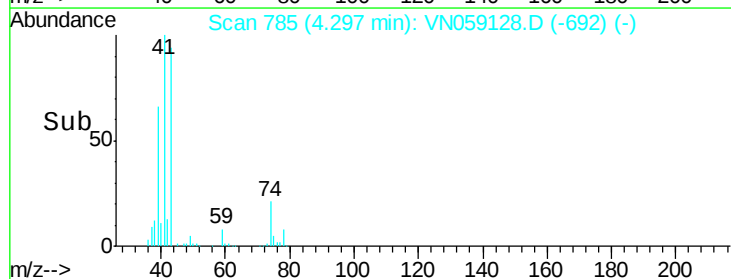
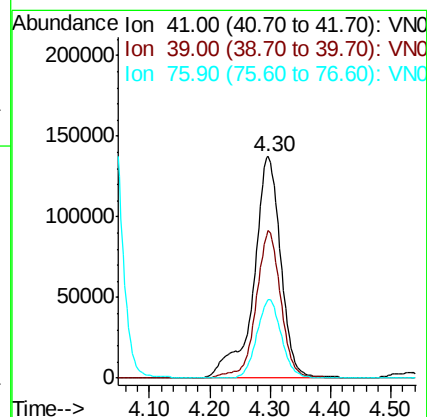
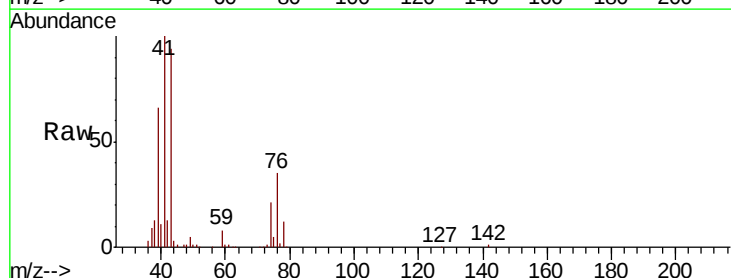
Tgt Ion: 41 Resp: 432407

Ion Ratio Lower Upper

41 100

39 60.8 49.1 73.7

76 31.6 24.9 37.3





#15

Acrylonitrile

Concen: 243.251 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

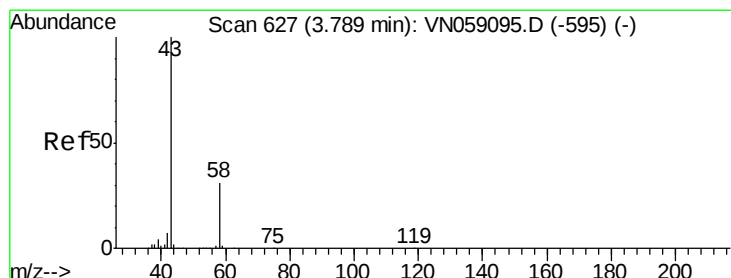
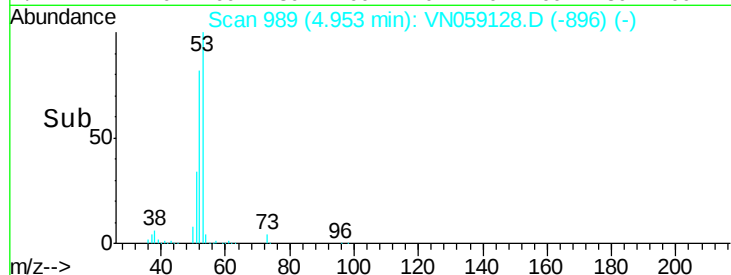
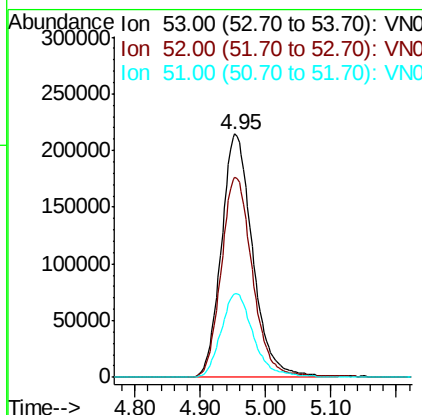
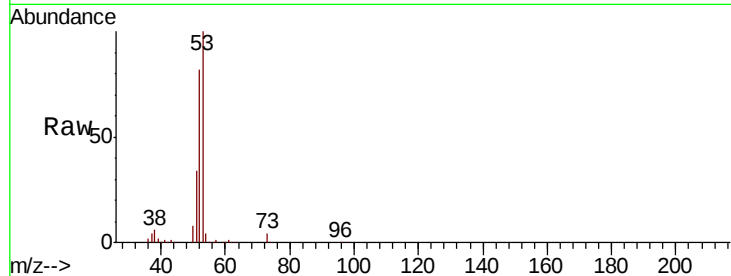
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	714556
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0

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#16

Acetone

Concen: 201.815 ug/l

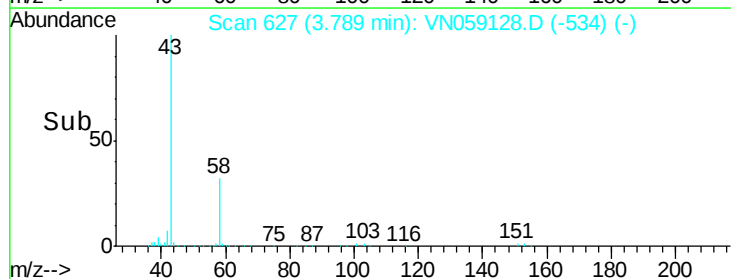
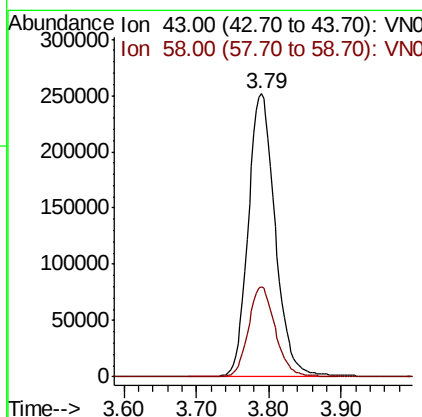
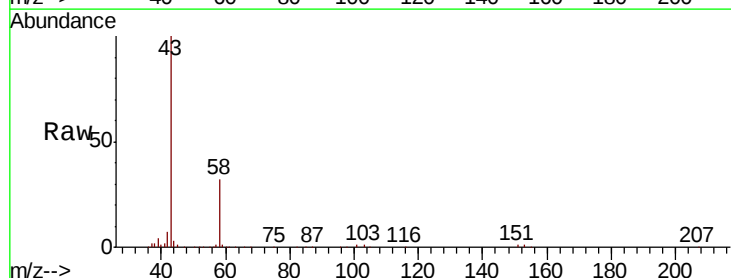
RT: 3.79 min Scan# 627

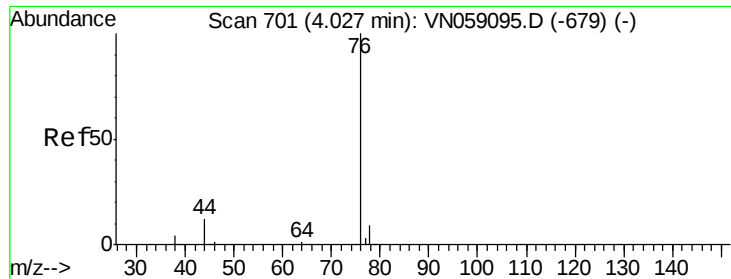
Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Tgt Ion:	43	Resp:	650002
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.9	37.3





#17

Carbon Disulfide

Concen: 43.768 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 638589

Ion Ratio Lower Upper

76 100

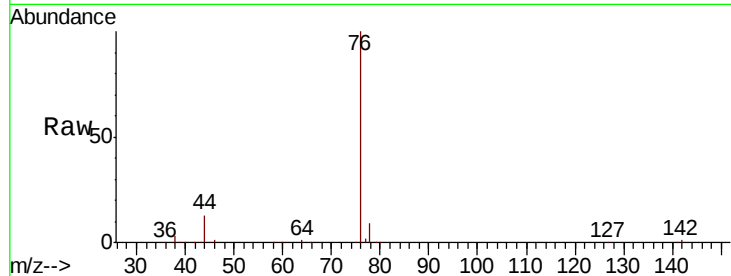
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

250000

200000

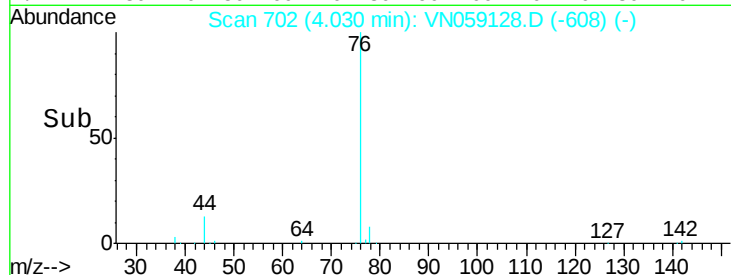
150000

100000

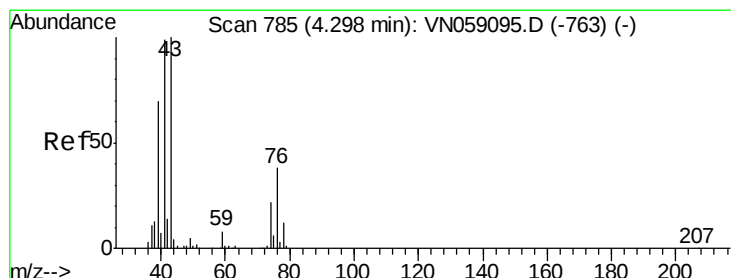
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.217 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059128.D

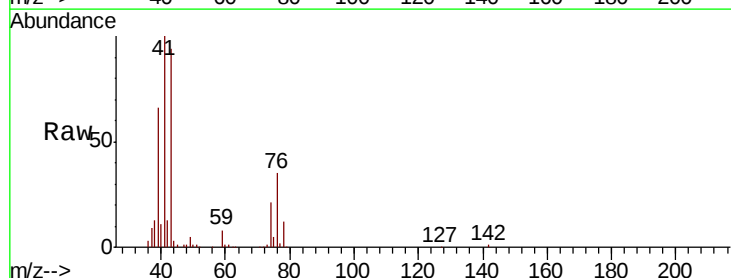
Acq: 7 Nov 2019 17:44

Tgt Ion: 43 Resp: 368609

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

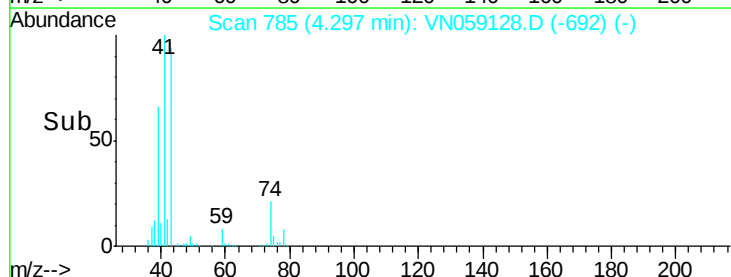
150000

100000

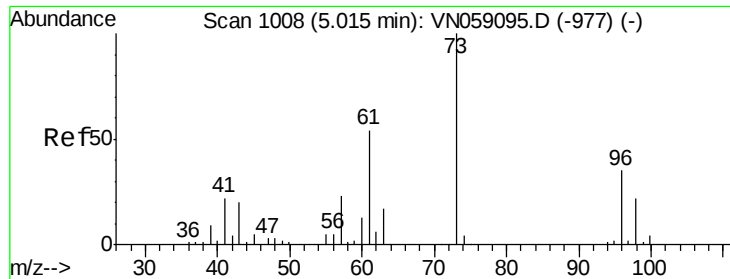
50000

0

Time-->



Time-->



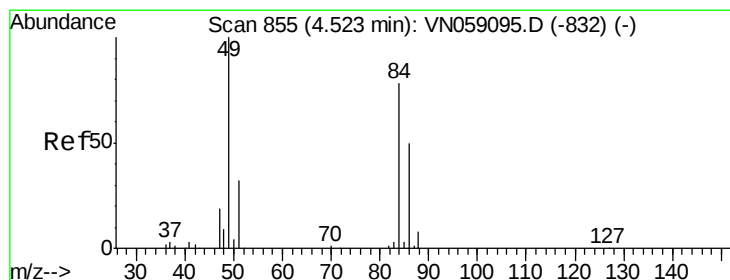
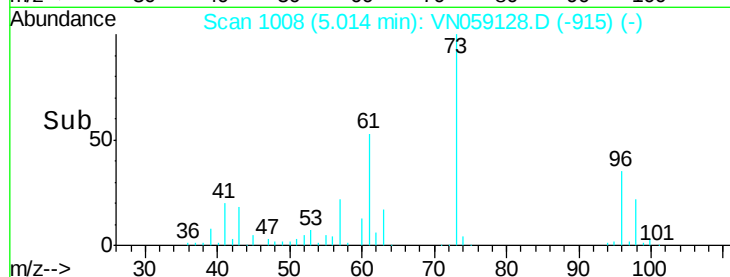
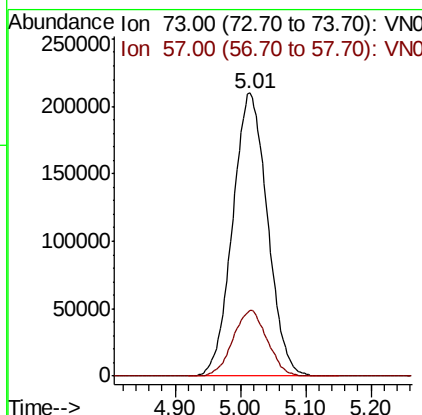
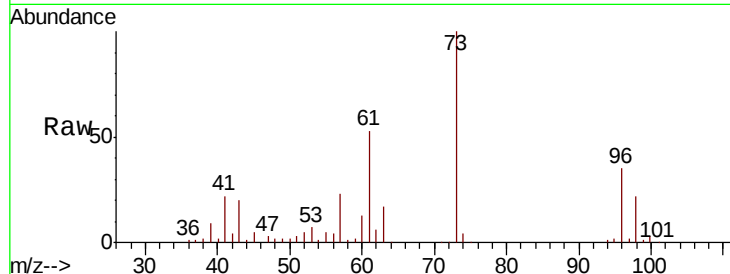
#19
Methvl tert-butvl Ether
Concen: 47.957 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 776038
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

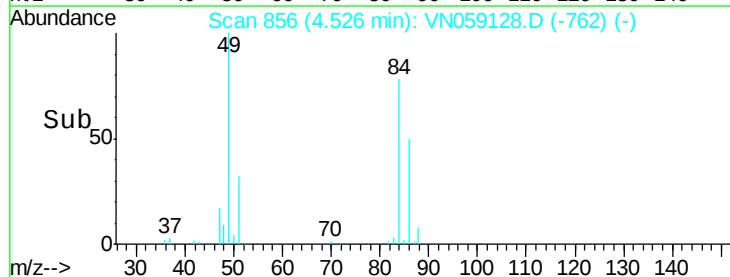
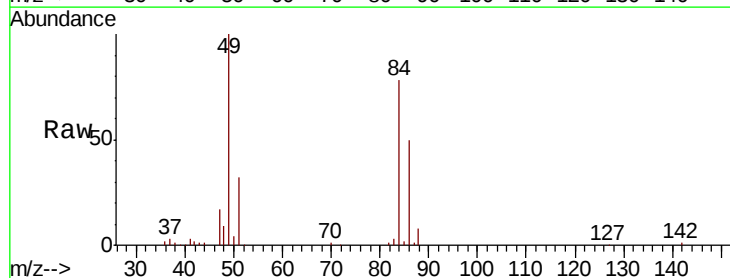
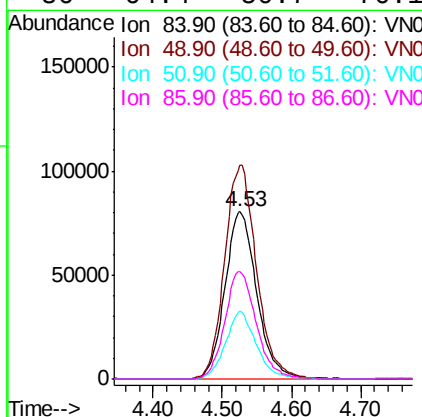
Manual Integrations
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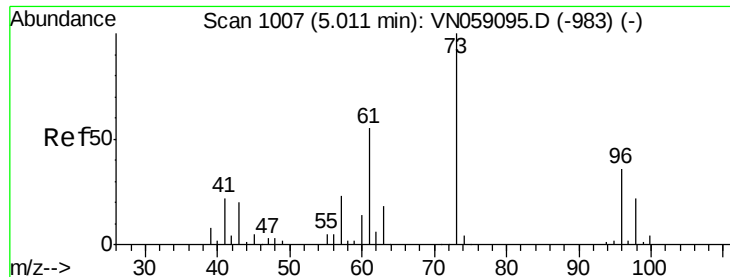
MMDadoda
11/8/2019 9:39:34 AM



#20
Methylene Chloride
Concen: 45.909 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion: 84 Resp: 257601
Ion Ratio Lower Upper
84 100
49 127.8 102.0 153.0
51 40.6 32.2 48.2
86 64.4 50.7 76.1





#21

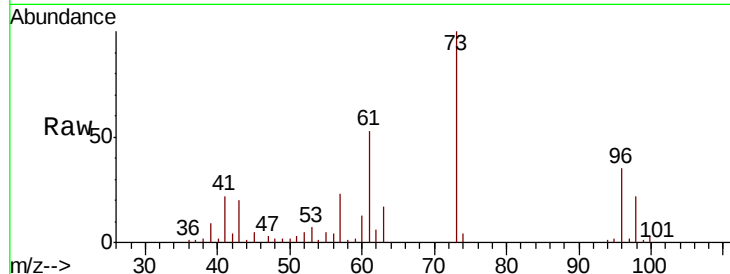
trans-1,2-Dichloroethene
Concen: 46.394 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	122.6	183.8
98	63.6	50.3	75.5

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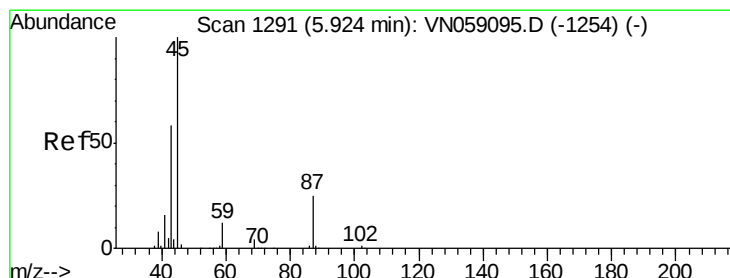
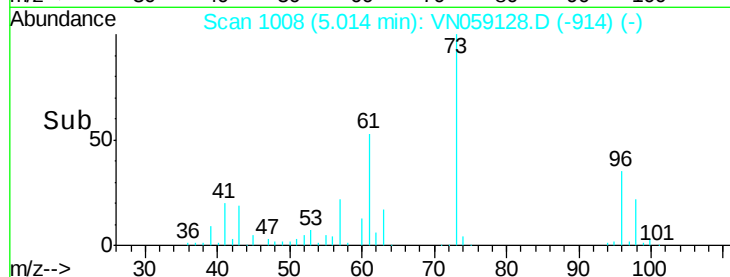
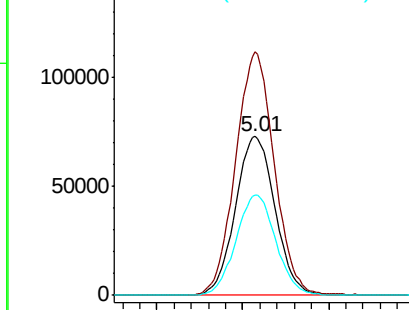


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 47.356 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.7	70.1
87	25.9	20.5	30.7
59	11.6	9.6	14.4

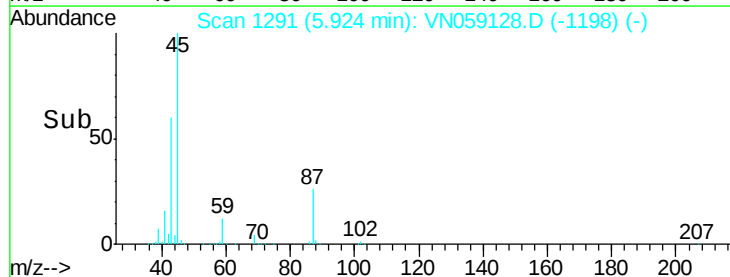
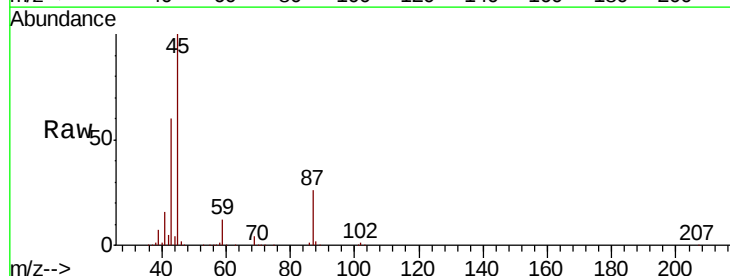
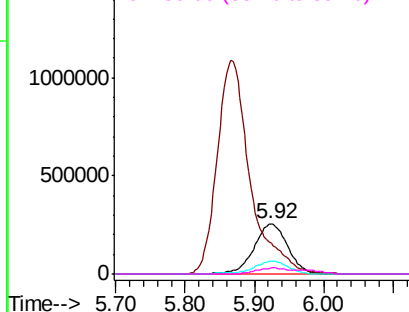
Abundance

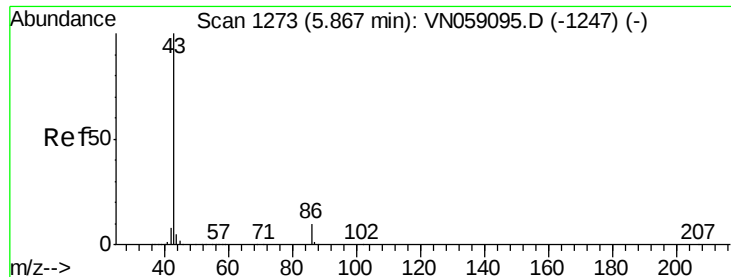
Ion 45.00 (44.70 to 45.70): VN0

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





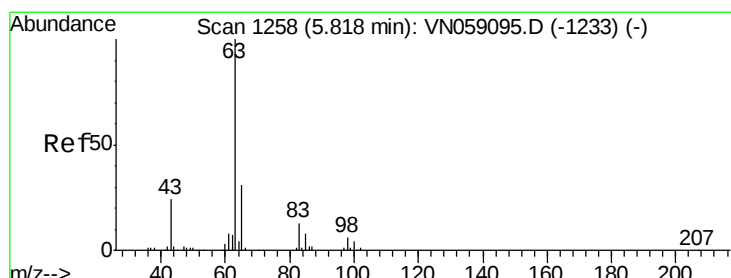
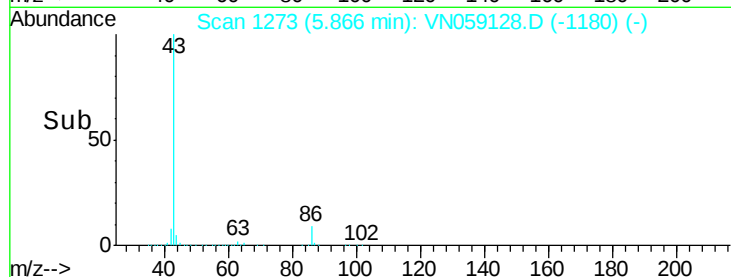
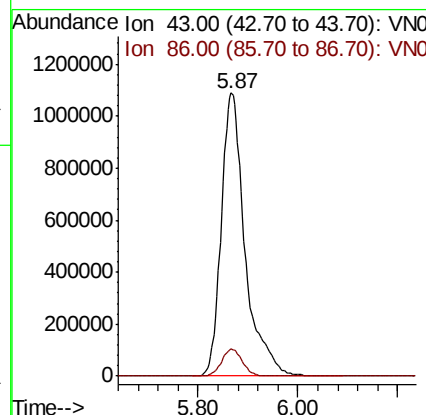
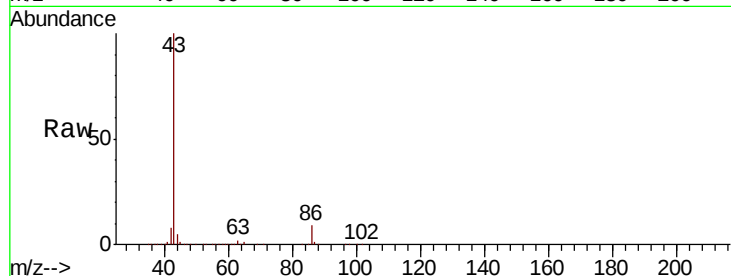
#23
 Vinyl Acetate
 Concen: 255.785 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3615116
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.7 11.5

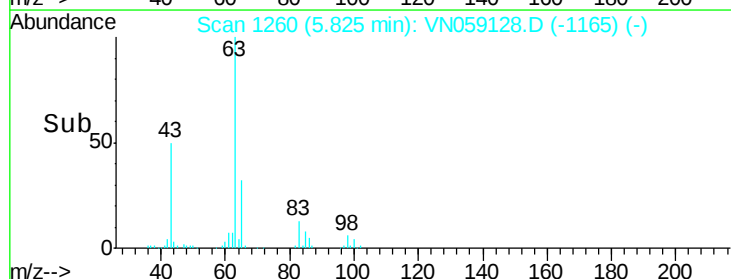
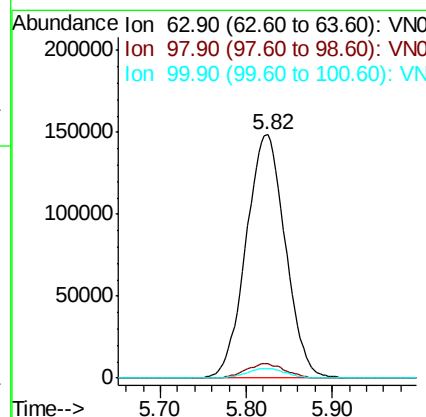
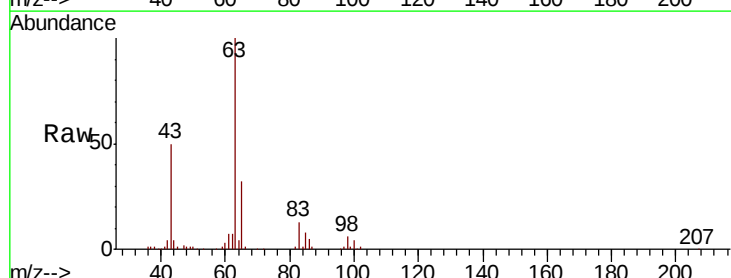
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 46.359 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Tgt Ion: 63 Resp: 472187
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.9 1.9 5.7





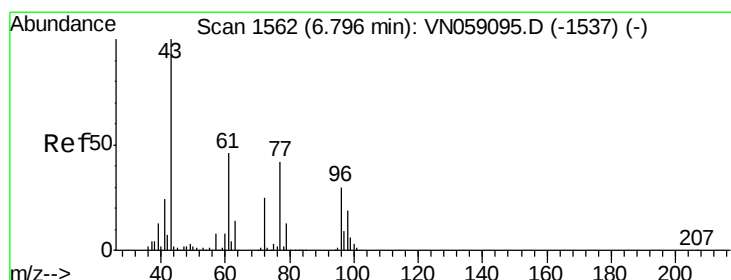
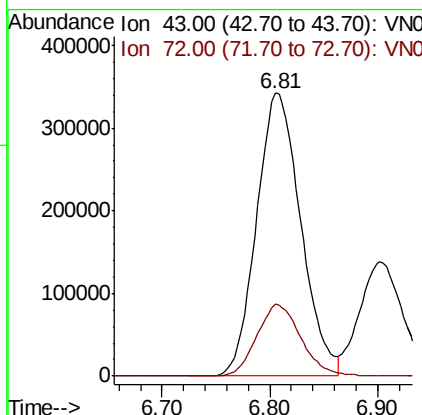
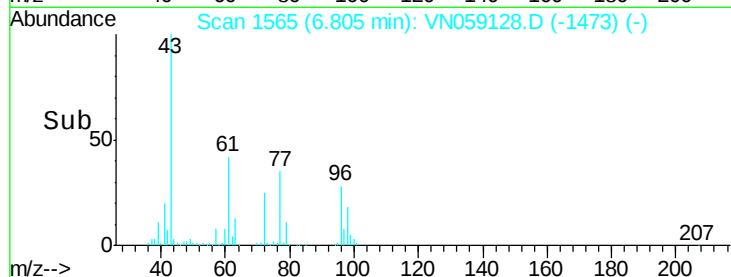
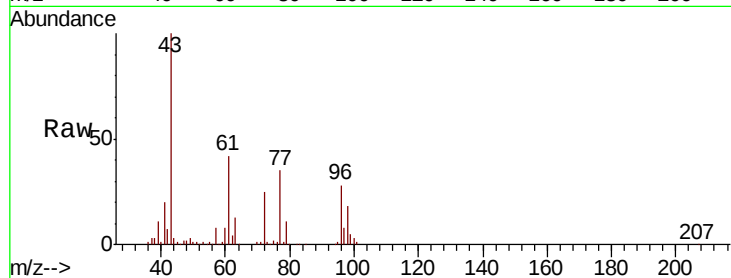
#25
2-Butanone
Concen: 228.913 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 971693
Ion Ratio Lower Upper
43 100
72 25.3 20.3 30.5

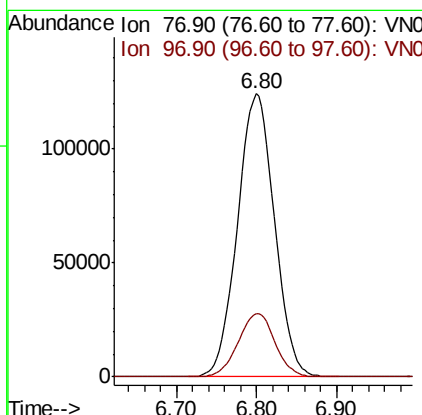
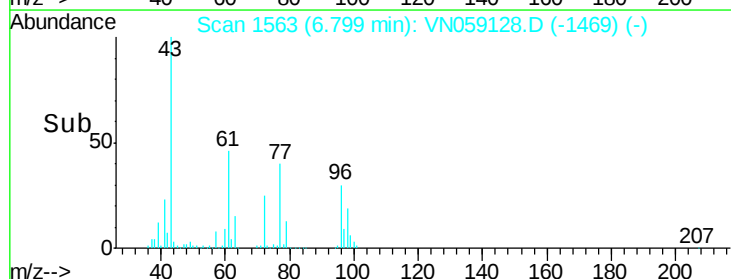
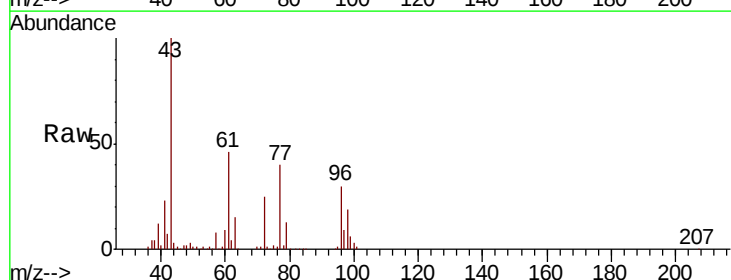
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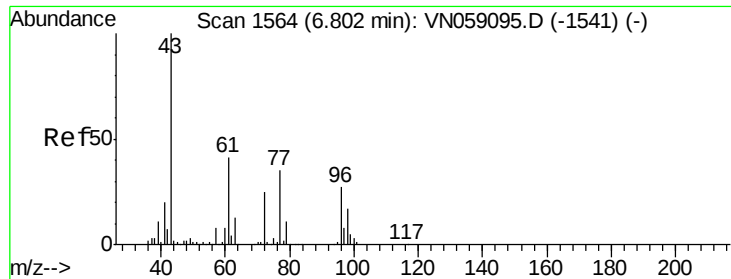
MMDadoda
11/8/2019 9:39:34 AM



#26
2,2-Dichloropropane
Concen: 43.696 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion: 77 Resp: 389167
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.462 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

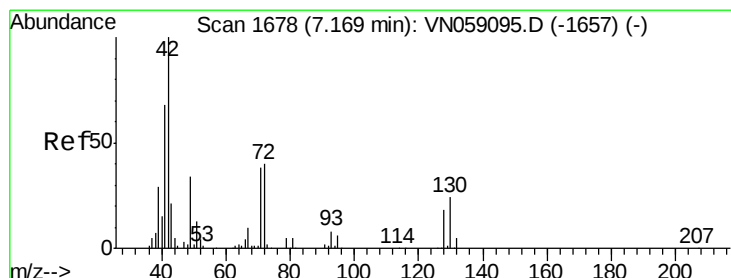
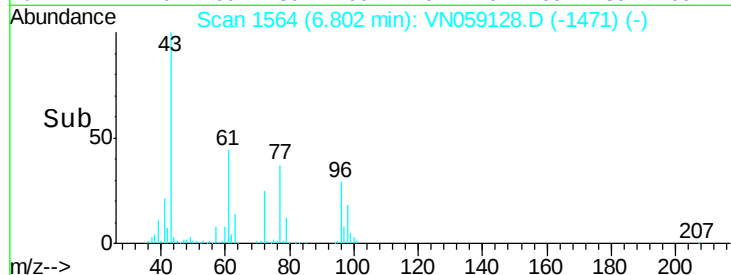
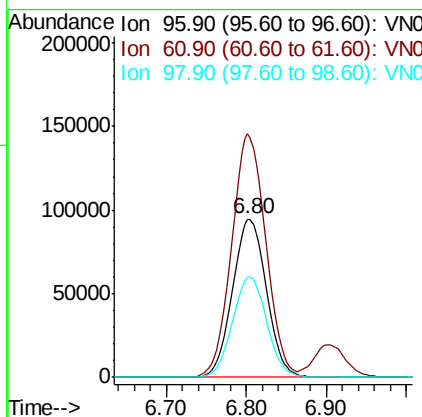
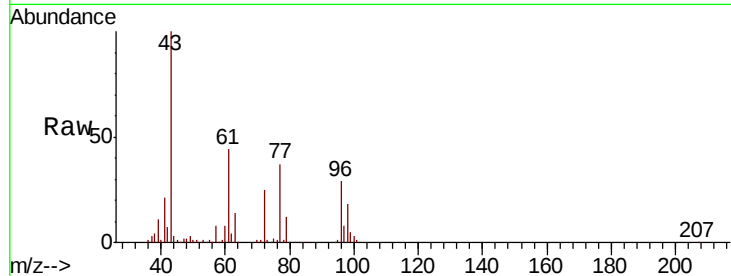
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	271946
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	311.6
98	64.0	0.0	129.8

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#28

Bromochloromethane

Concen: 45.808 ug/l

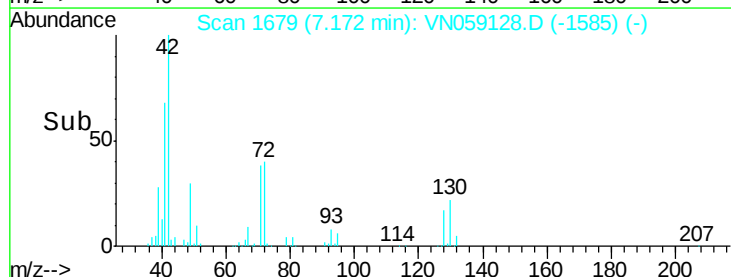
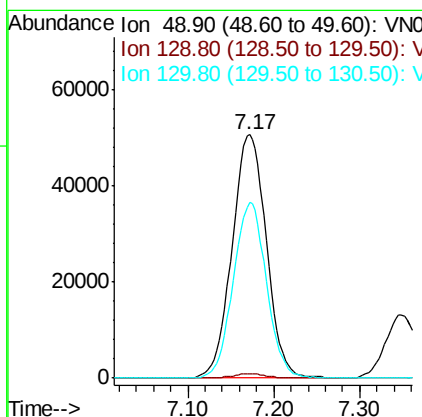
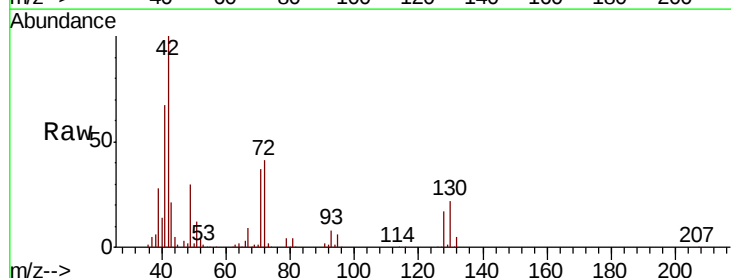
RT: 7.17 min Scan# 1679

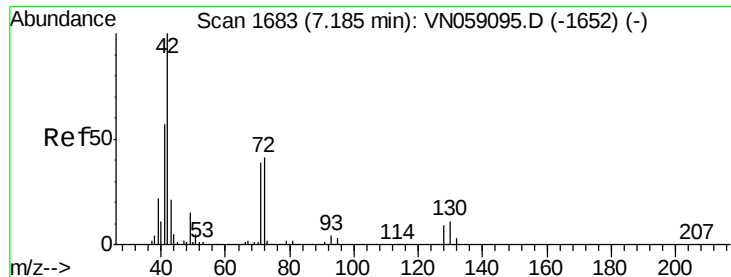
Delta R.T. 0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Tgt Ion:	49	Resp:	140371
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	69.9	55.6	83.4





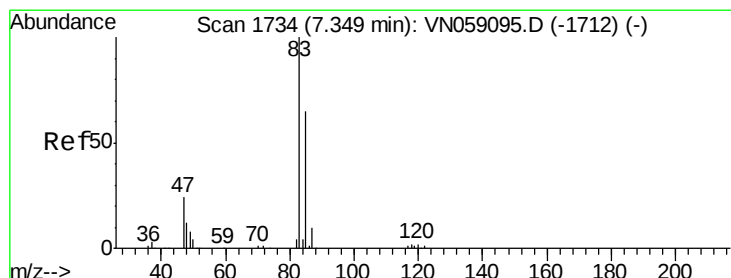
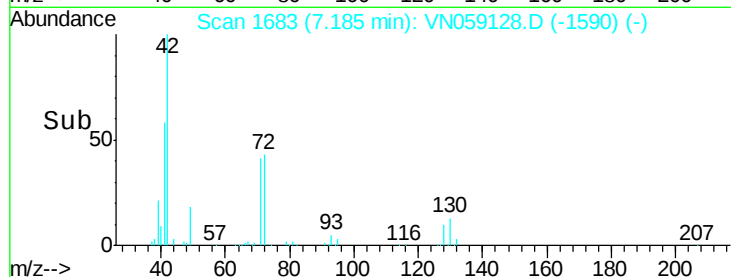
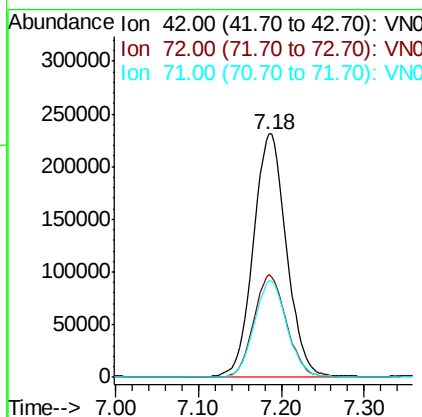
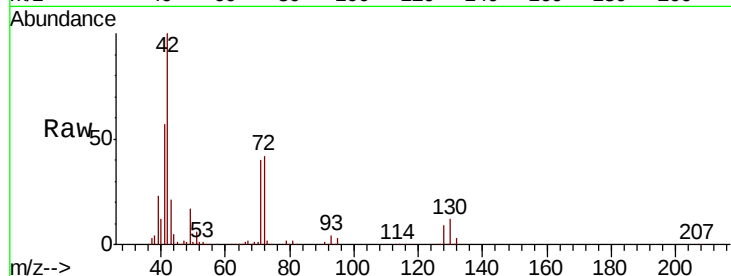
#29
Tetrahydrofuran
Concen: 237.696 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	39.4	30.9	46.3

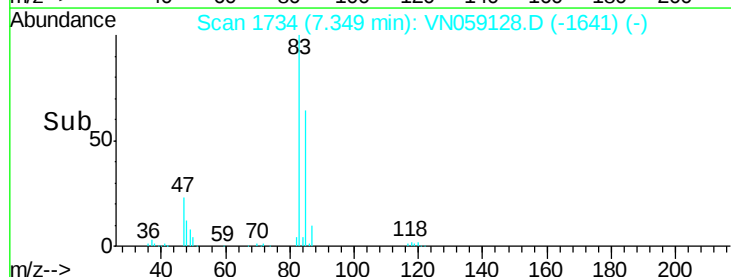
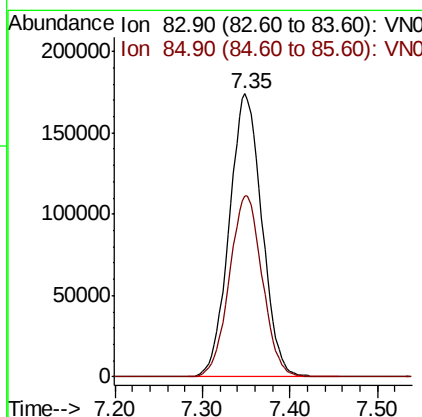
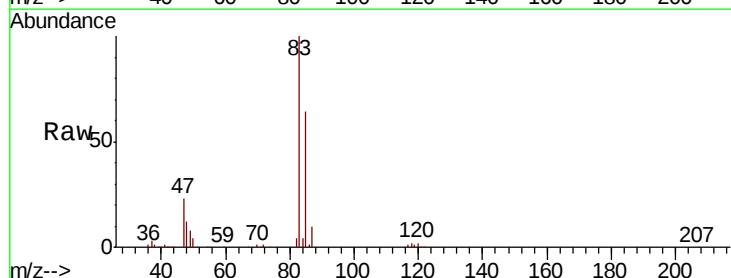
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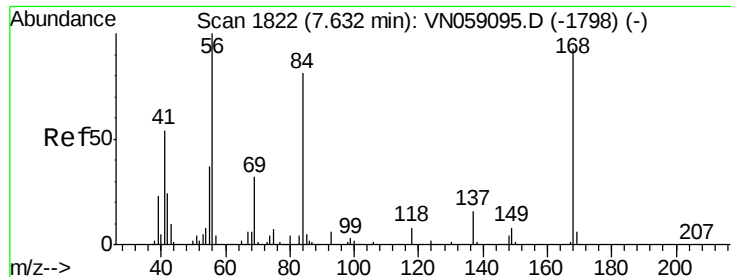
MMDadoda
11/8/2019 9:39:34 AM



#30
Chloroform
Concen: 46.163 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.8





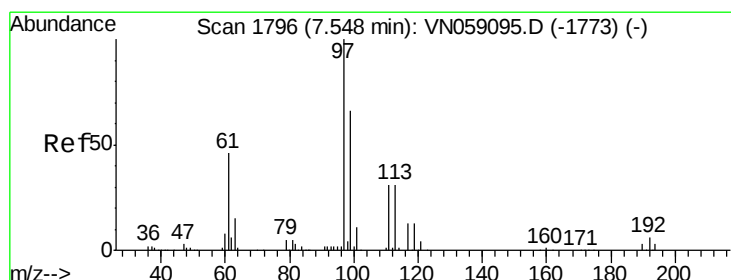
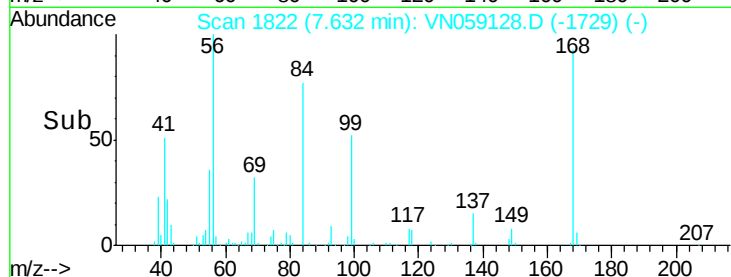
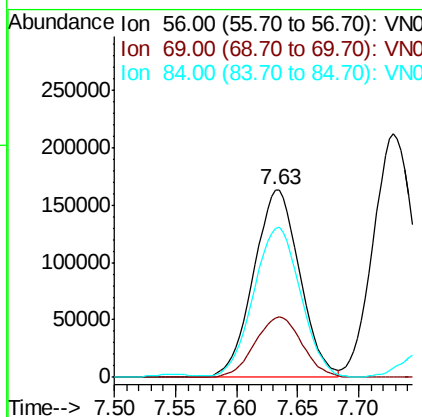
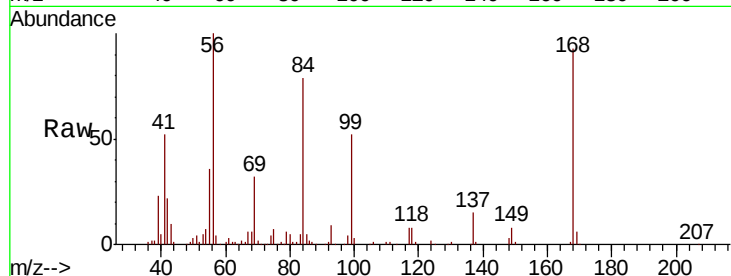
#31
Cyclohexane
Concen: 44.510 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.8	38.8
84	78.3	65.0	97.4

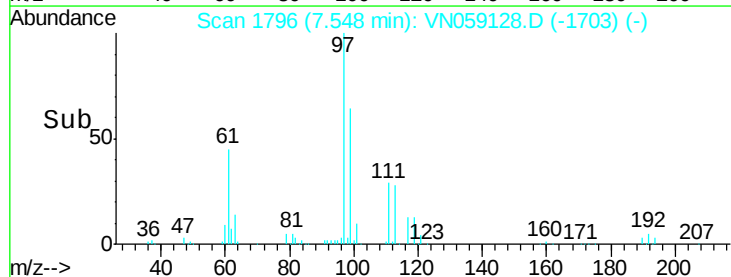
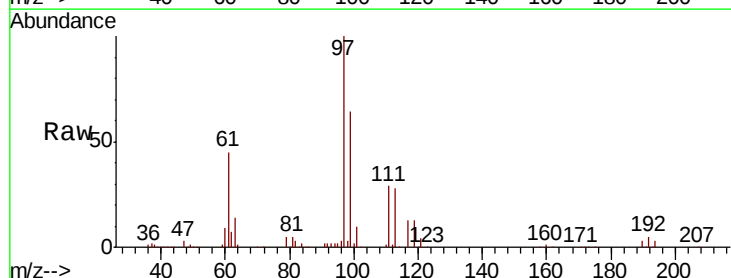
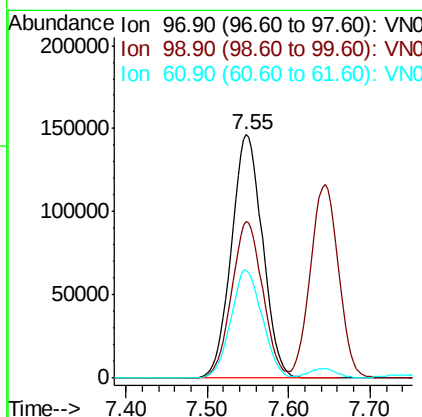
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#32
1,1,1-Trichloroethane
Concen: 47.366 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	44.7	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 46.967 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 290895

Ion Ratio Lower Upper

65 100

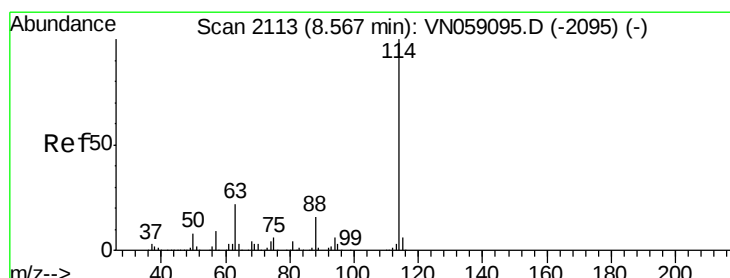
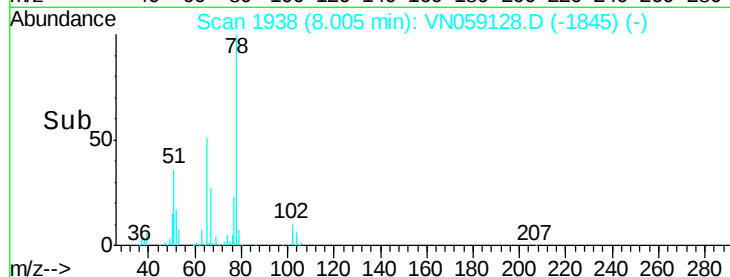
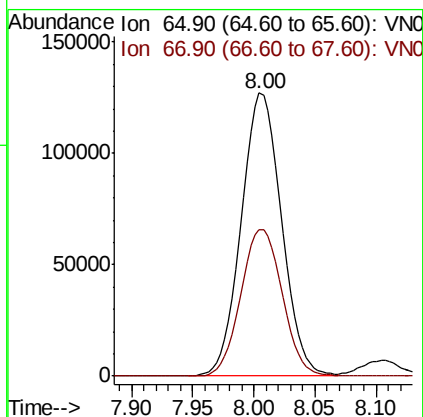
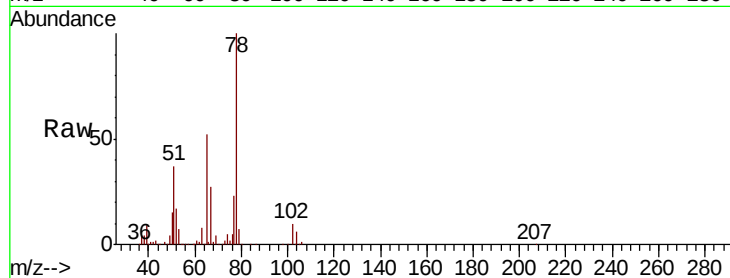
67 53.5 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

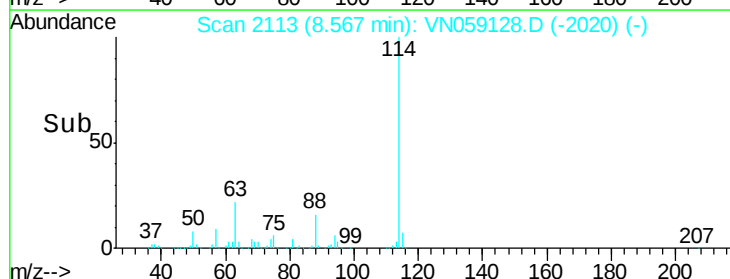
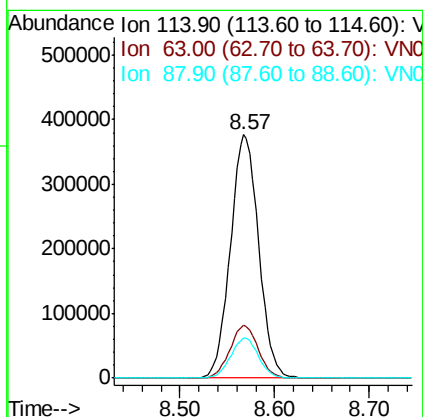
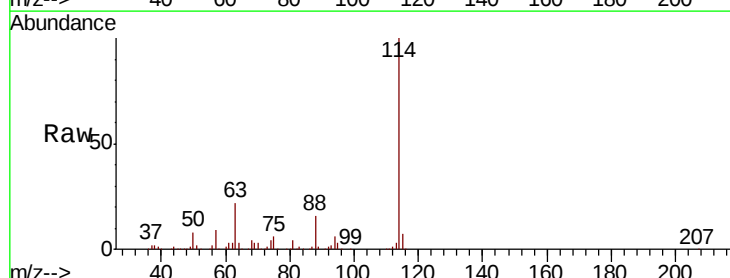
Tgt Ion: 114 Resp: 779711

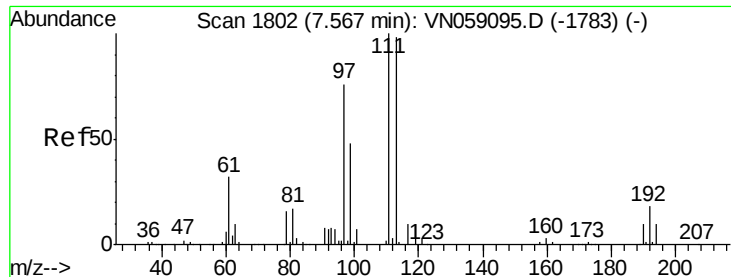
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.4 0.0 32.2





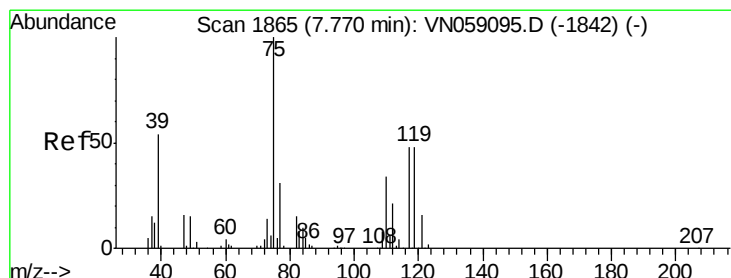
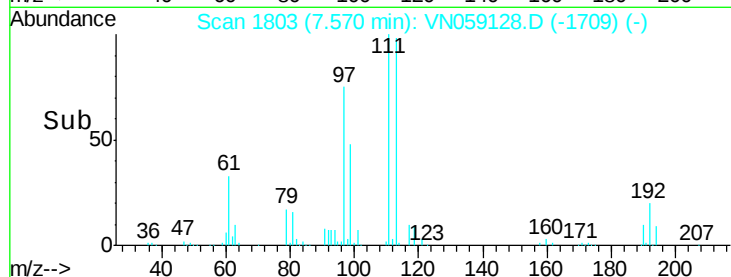
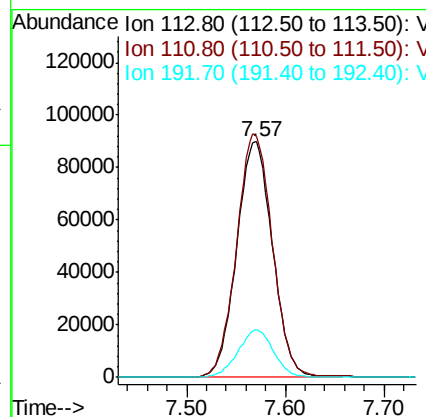
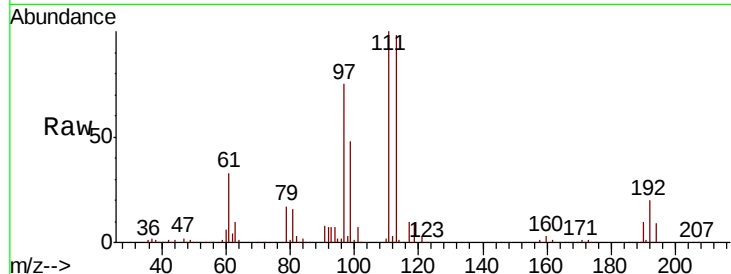
#35
Dibromofluoromethane
Concen: 48.807 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227228		
111	102.8	82.8	124.2	
192	19.9	16.1	24.1	

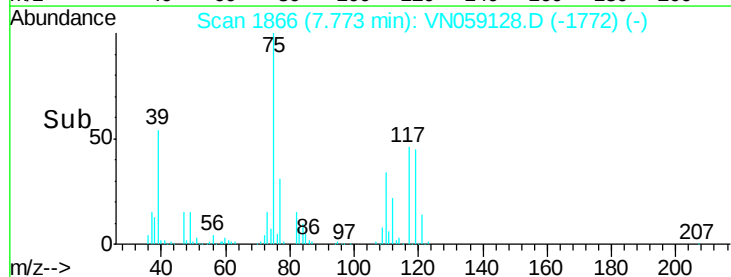
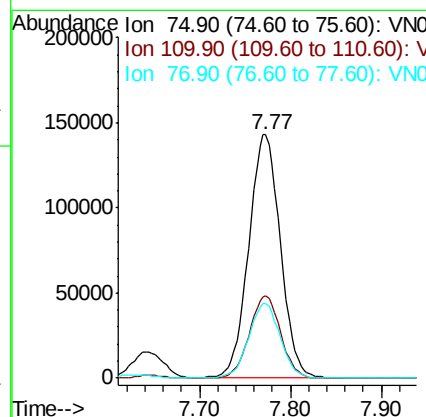
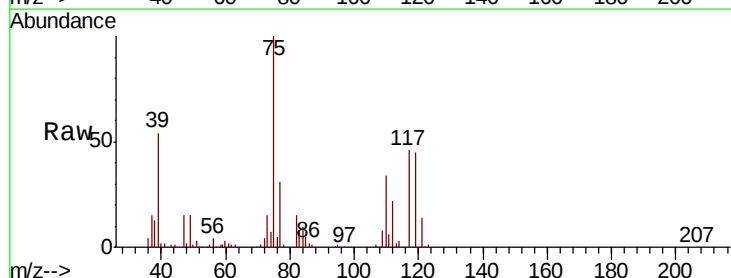
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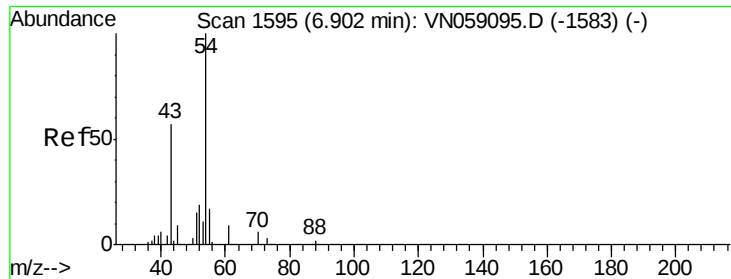
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#36
1,1-Dichloropropene
Concen: 47.257 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	344410		
110	33.4	17.1	51.2	
77	30.9	24.8	37.2	





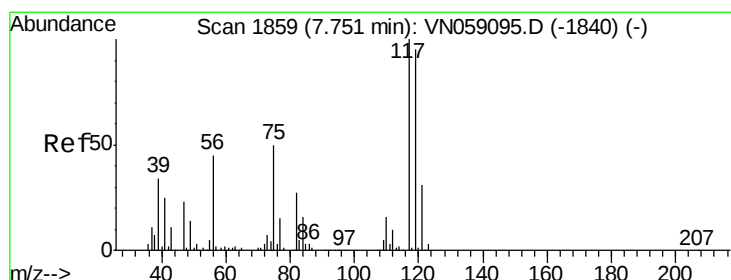
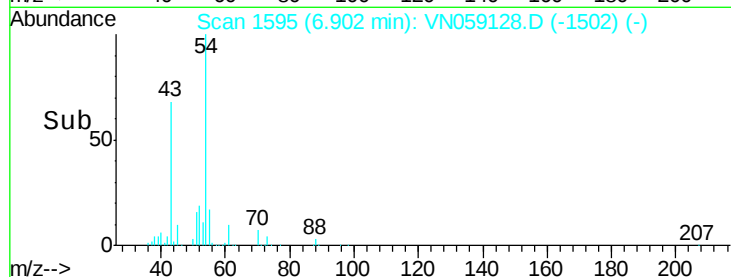
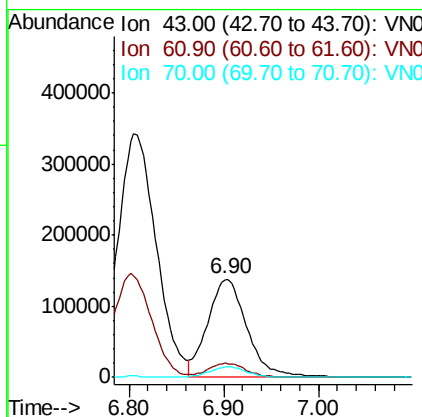
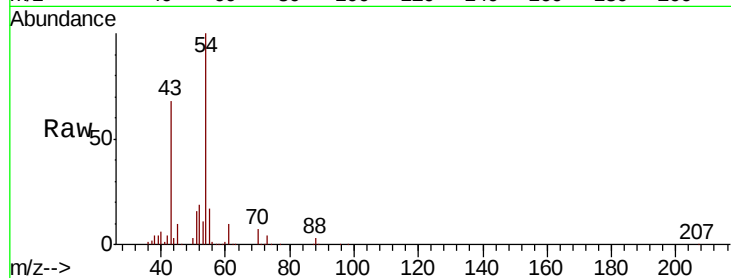
#37
Ethyl Acetate
Concen: 48.145 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.2	7.8	11.8

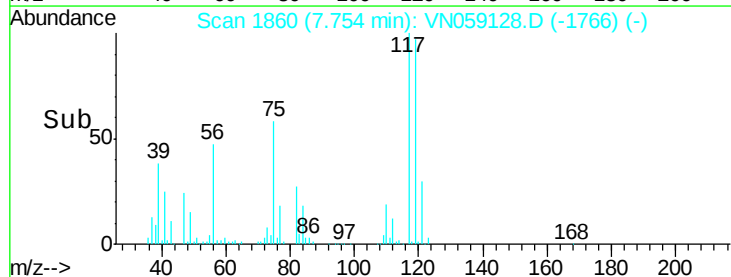
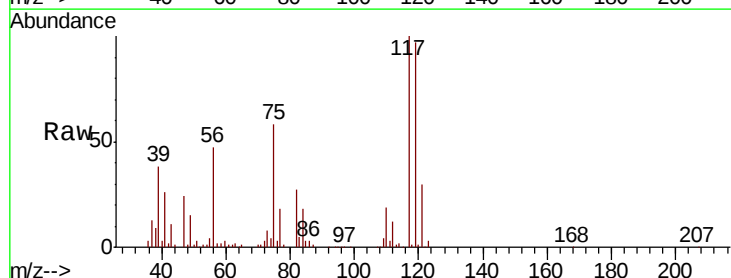
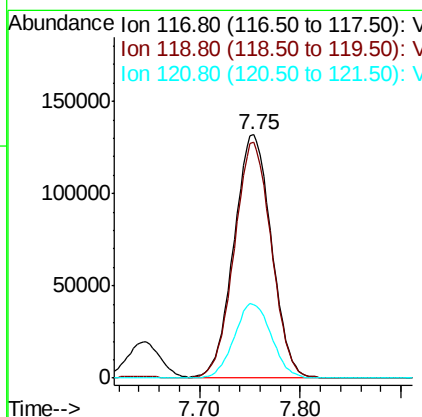
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#38
Carbon Tetrachloride
Concen: 47.129 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.6	113.4
121	30.4	24.6	36.8





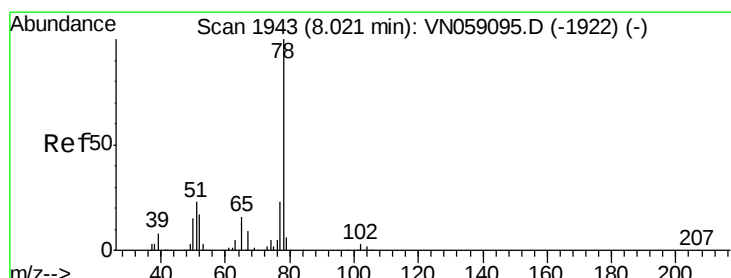
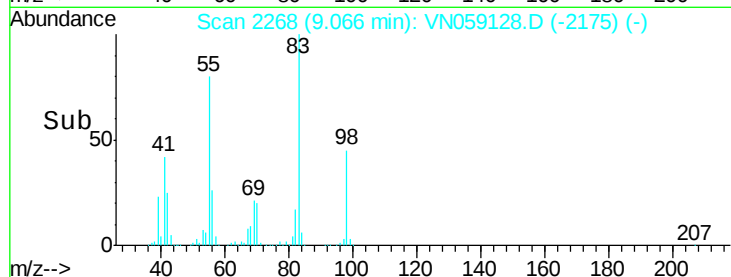
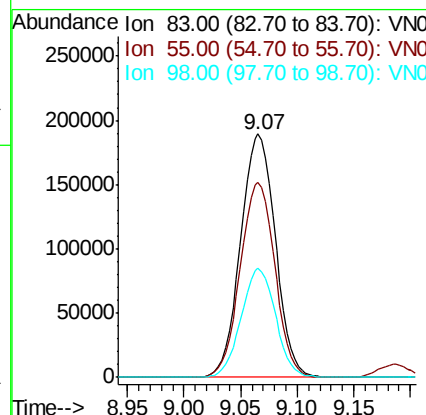
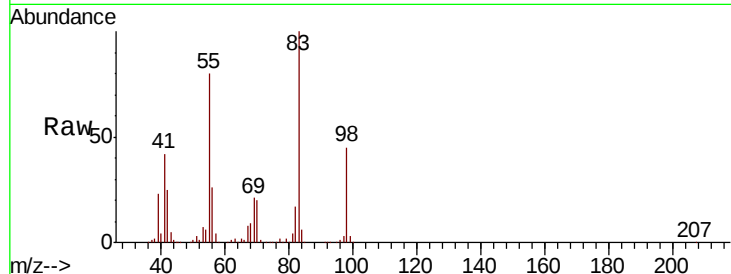
#39
Methvlcvclohexane
Concen: 47.968 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	63.9	95.9
98	44.7	35.6	53.4

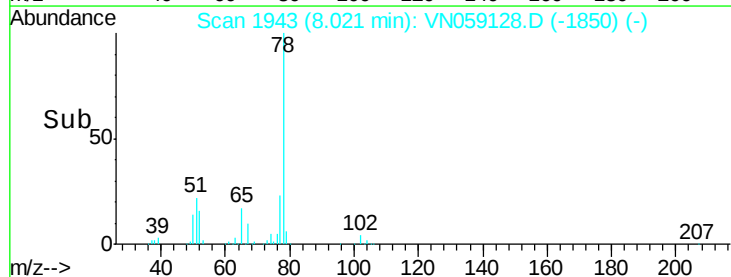
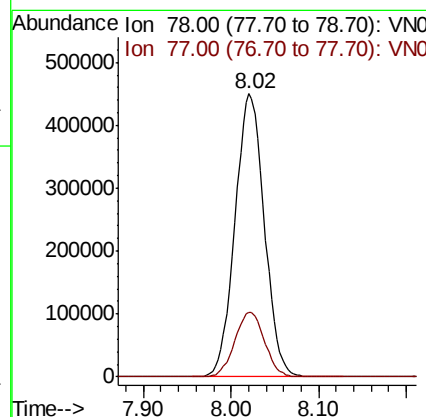
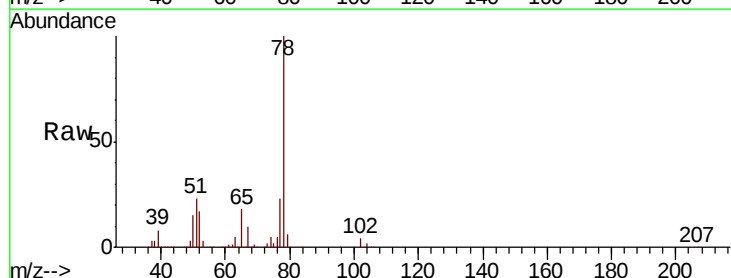
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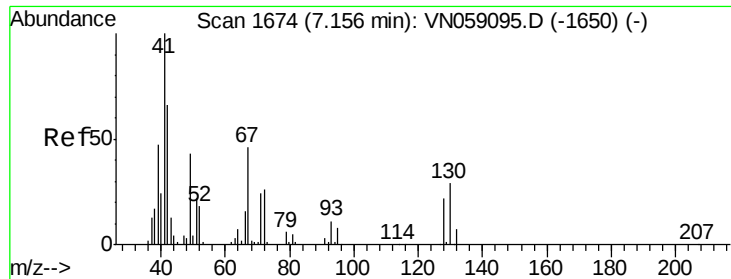
MMDadoda
11/8/2019 9:39:34 AM



#40
Benzene
Concen: 47.681 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





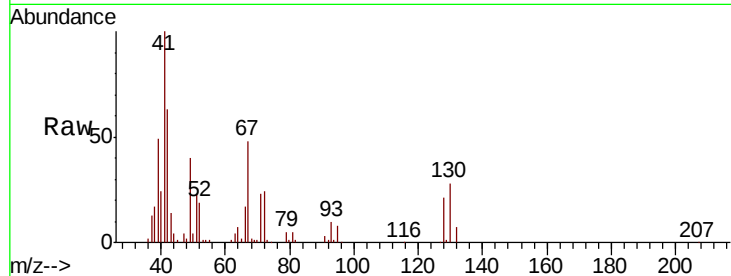
#41
Methacrylonitrile
Concen: 51.507 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

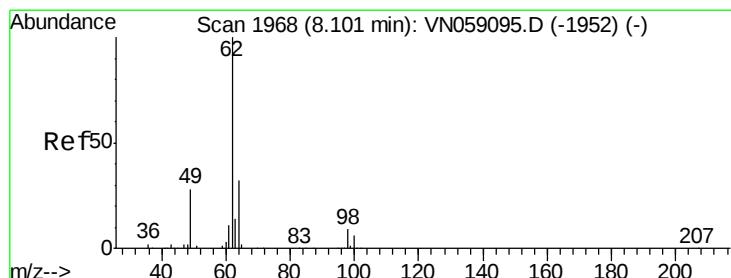
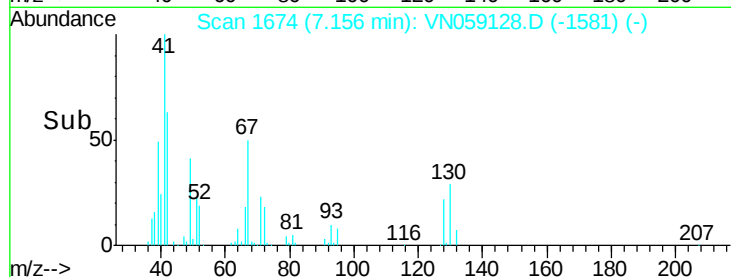
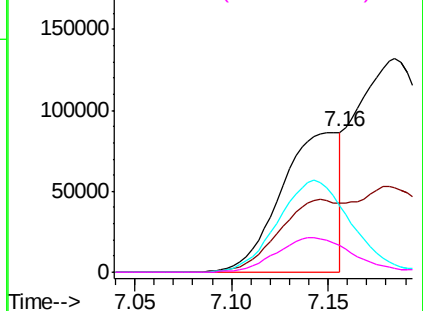
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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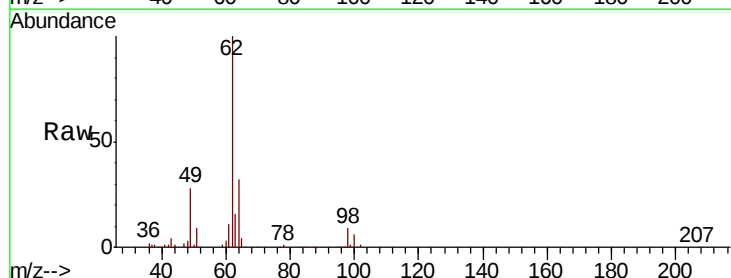


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

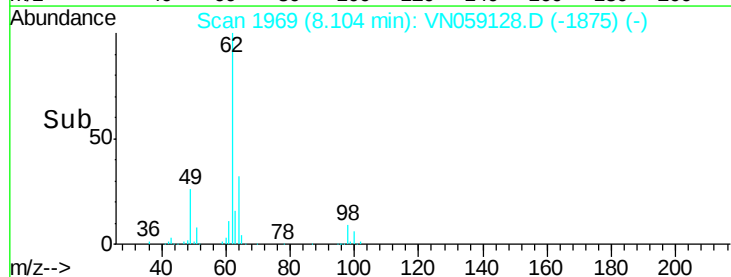
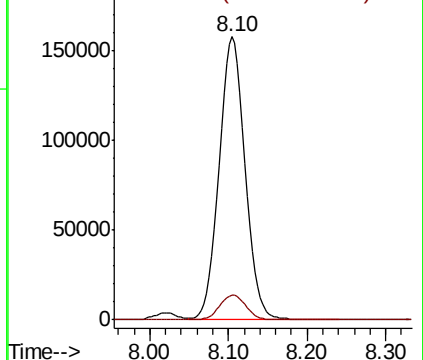


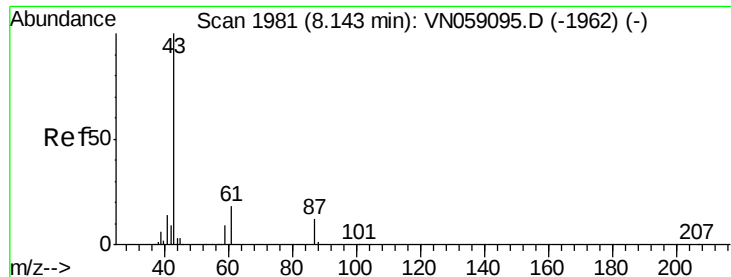
#42
1,2-Dichloroethane
Concen: 47.533 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





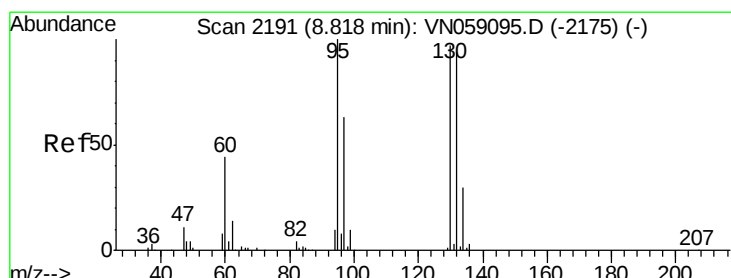
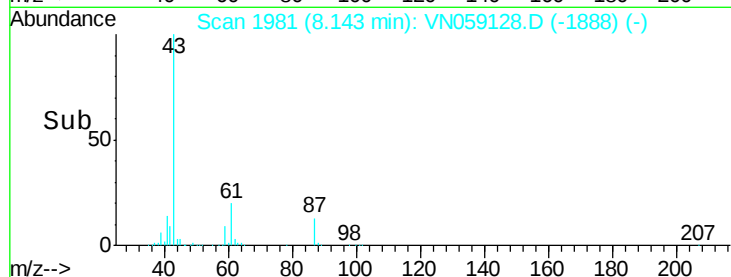
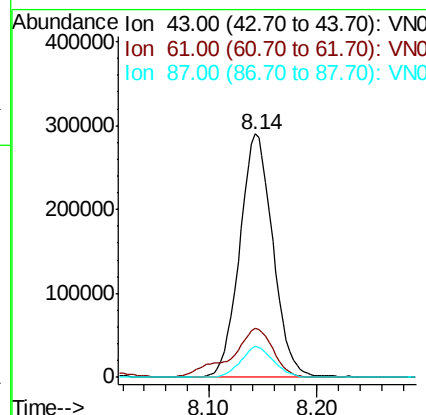
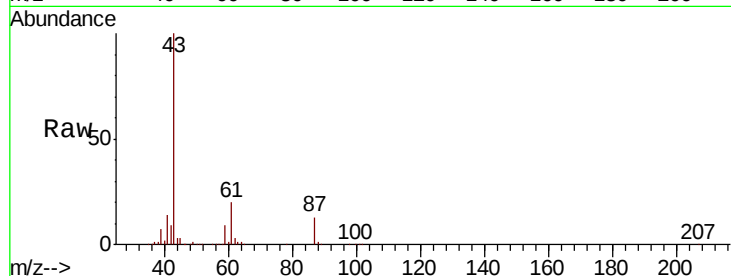
#43
Isopropyl Acetate
Concen: 48.046 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.0	31.6
87	12.5	9.8	14.6

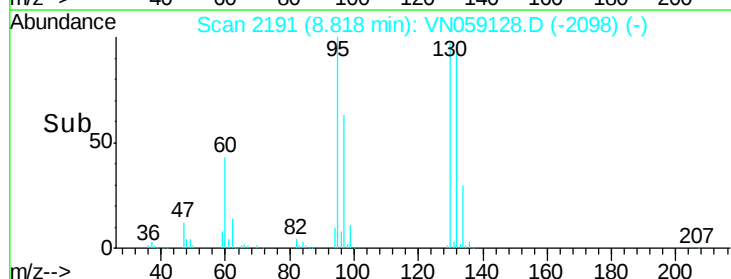
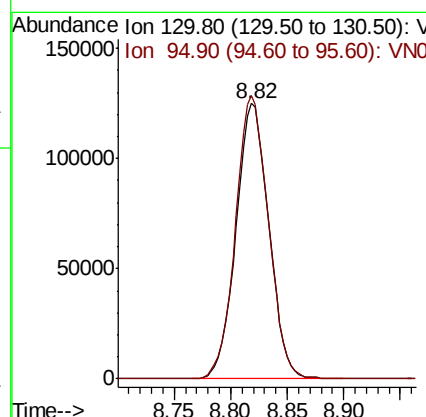
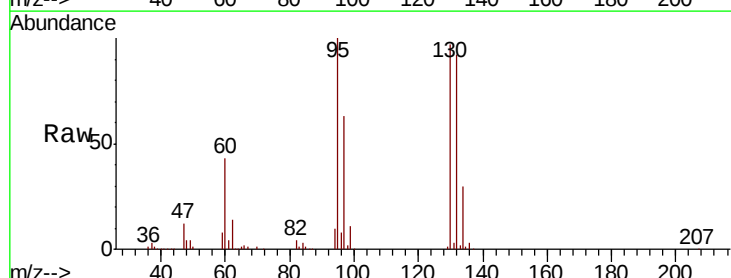
Manual Integrations
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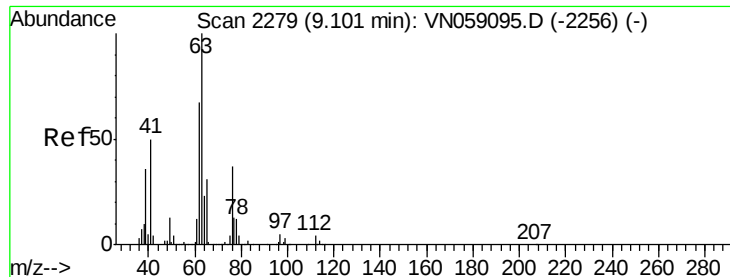
MMDadoda
11/8/2019 9:39:34 AM



#44
Trichloroethene
Concen: 46.960 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	206.4





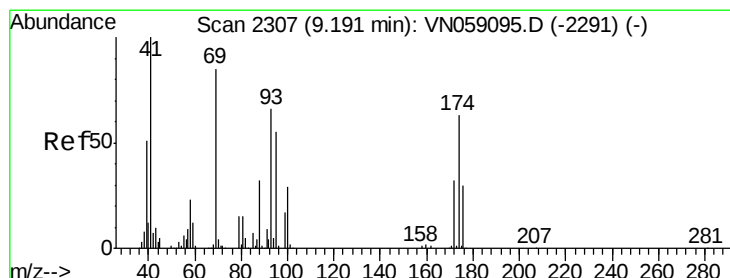
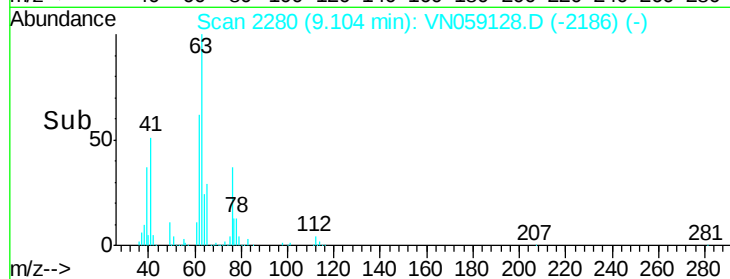
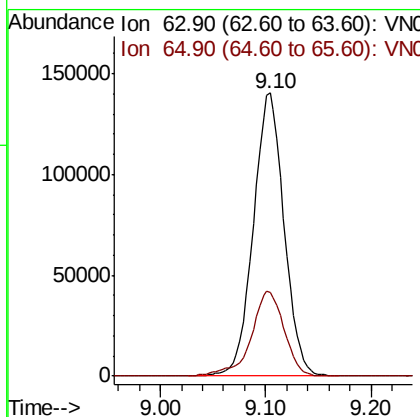
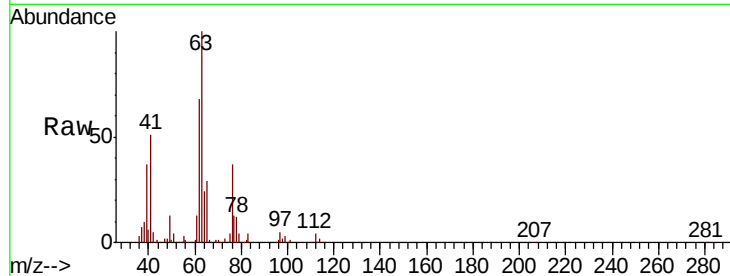
#45
 1,2-Dichloropropane
 Concen: 47.840 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.6	37.0

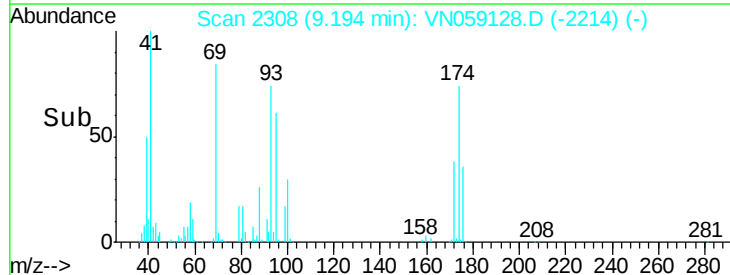
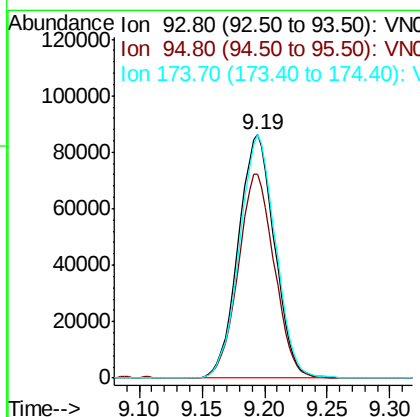
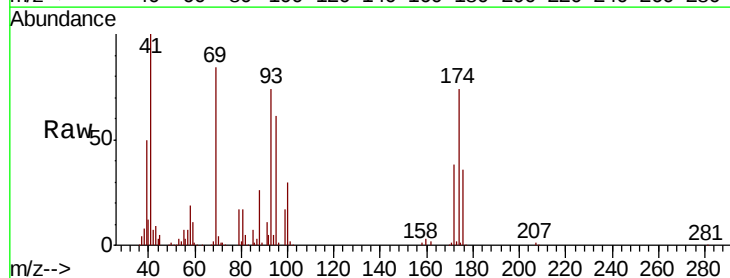
Manual Integrations
 APPROVED

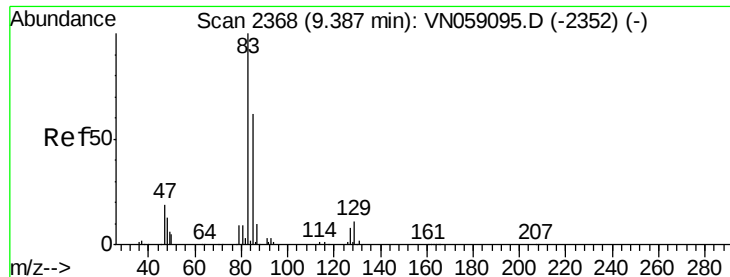
MMDadoda
 11/8/2019 9:39:34 AM



#46
 Dibromomethane
 Concen: 46.529 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.6	100.0
174	99.5	78.2	117.2





#47

Bromodichloromethane

Concen: 48.140 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

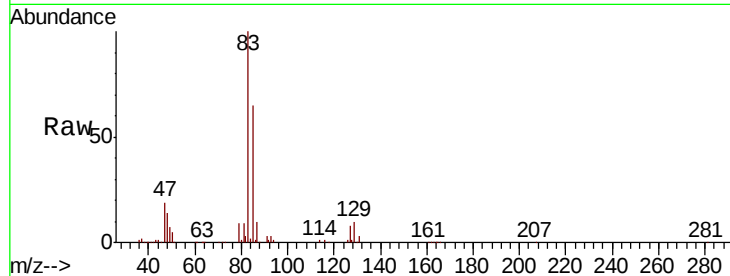
ClientSampleId :

VSTDCCC050EC

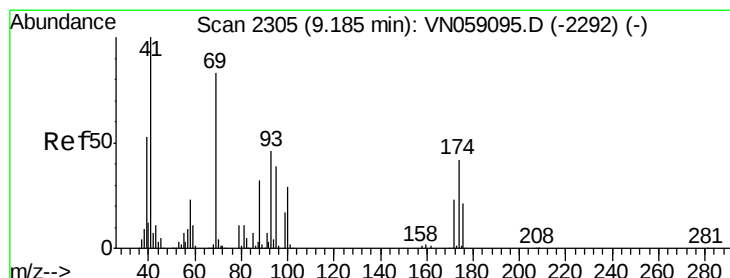
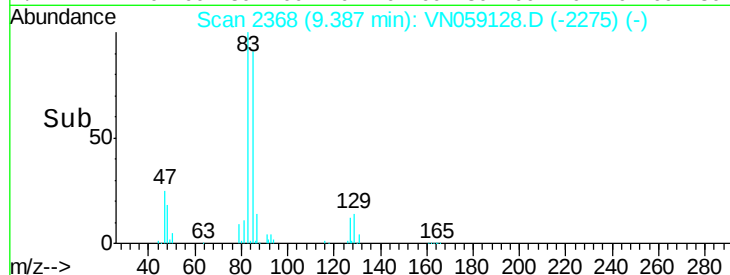
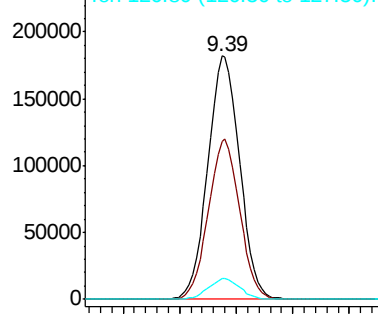
Tot Ion:	83	Resp:	357080
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.7	74.5
127	8.4	6.4	9.6

Manual Integrations
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MMDadoda
11/8/2019 9:39:34 AM



Abundance Ion 82.90 (82.60 to 83.60): VN059128.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.029 ug/l

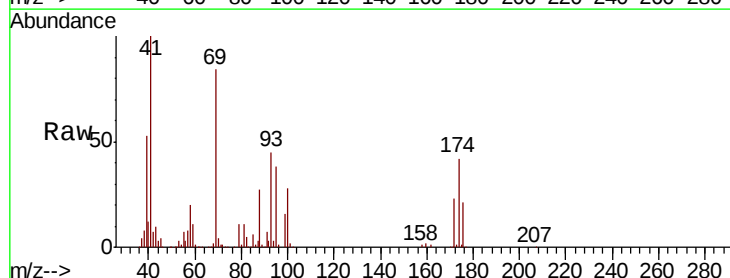
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

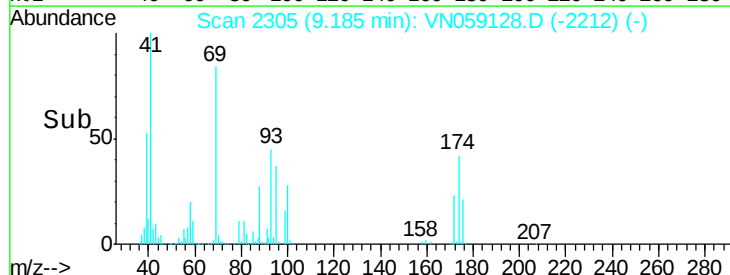
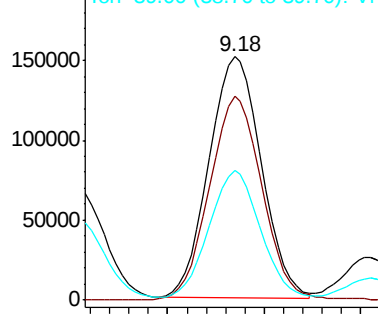
Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Tgt Ion:	41	Resp:	283469
Ion	Ratio	Lower	Upper
41	100		
69	85.7	67.3	100.9
39	53.5	43.3	64.9



Abundance Ion 41.00 (40.70 to 41.70): VN059128.D (-2212) (-)





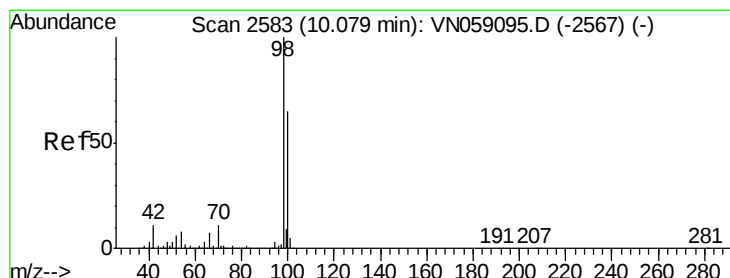
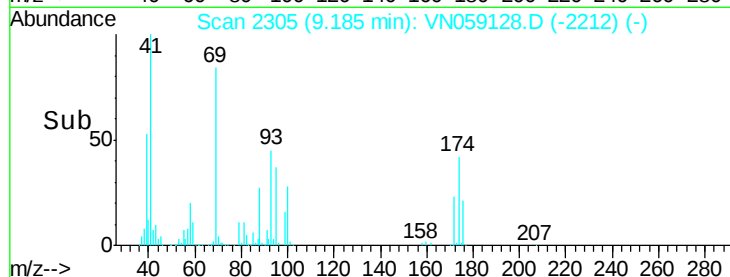
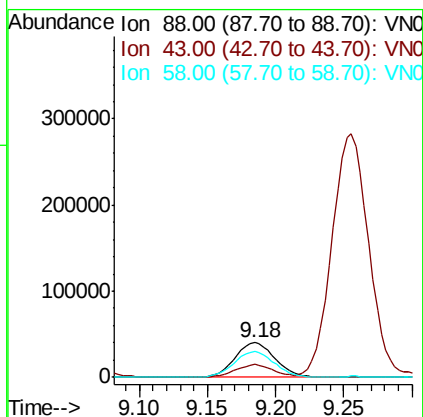
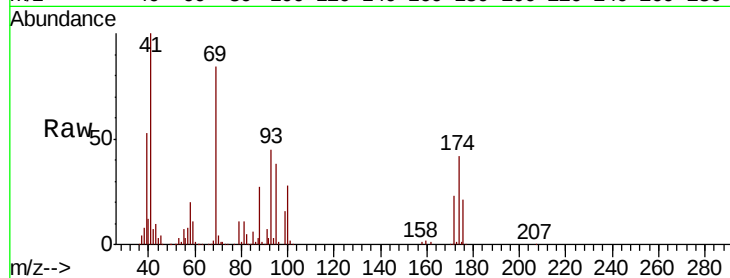
#49
1,4-Dioxane
Concen: 807.478 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.3	39.5
58	75.0	60.6	90.8

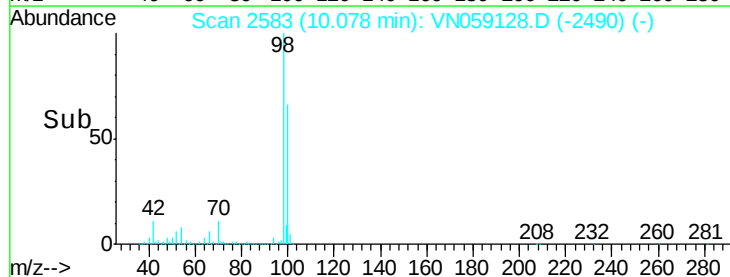
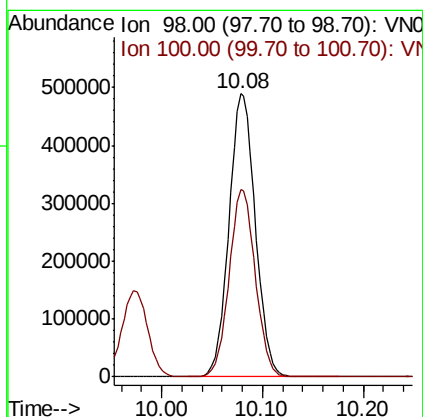
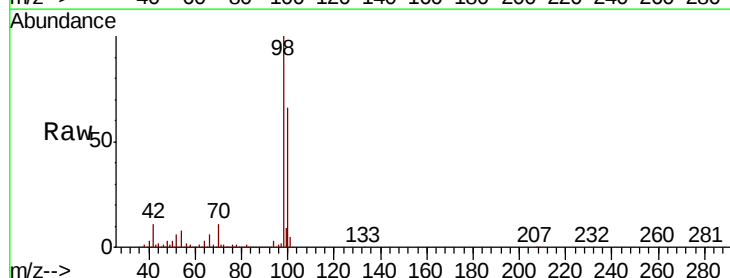
Manual Integrations
APPROVED

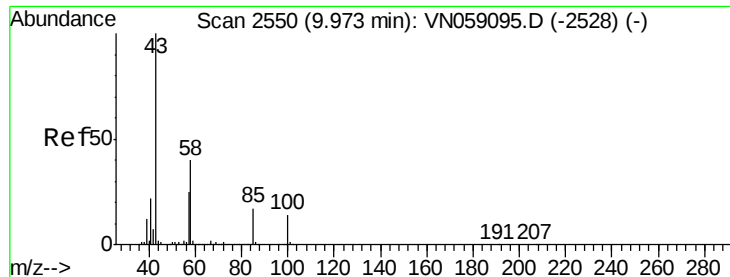
MMDadoda
11/8/2019 9:39:34 AM



#50
Toluene-d8
Concen: 48.578 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





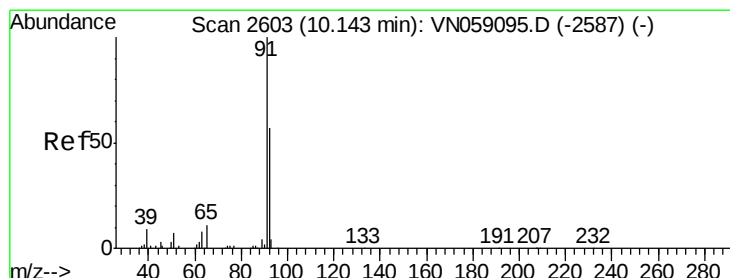
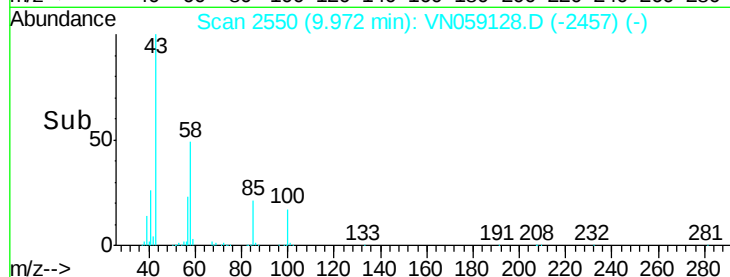
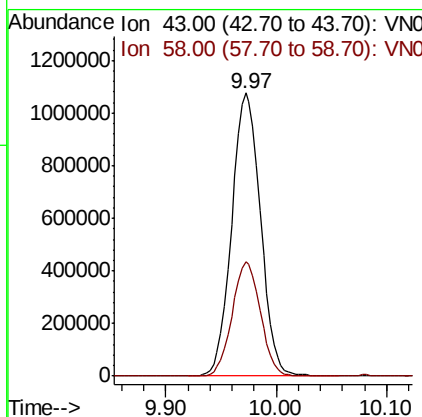
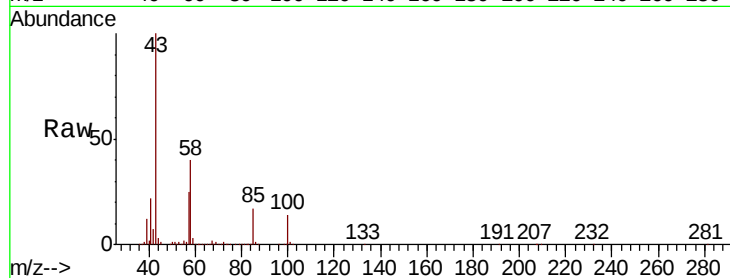
#51
4-Methyl-2-Pentanone
Concen: 266.204 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1946938
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3

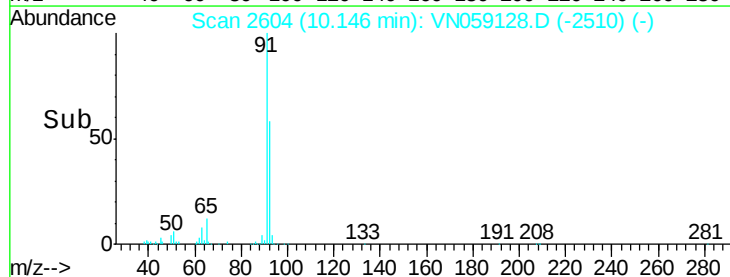
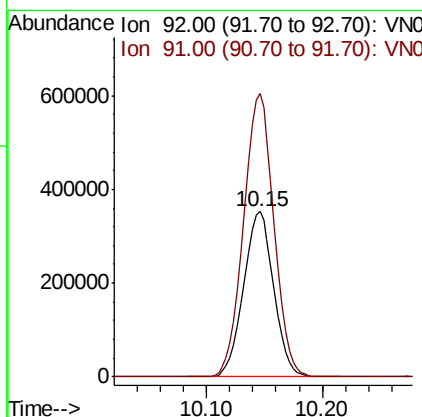
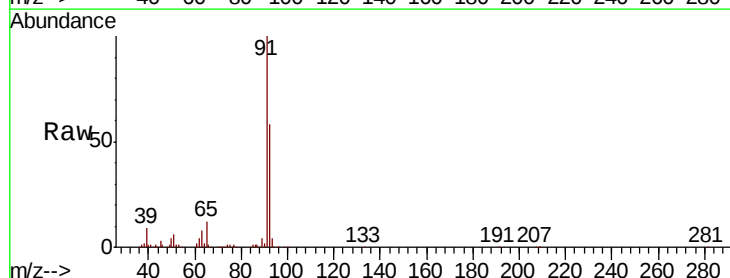
Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:34 AM



#52
Toluene
Concen: 48.414 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion: 92 Resp: 636845
Ion Ratio Lower Upper
92 100
91 172.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 47.780 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 409466

Ion Ratio Lower Upper

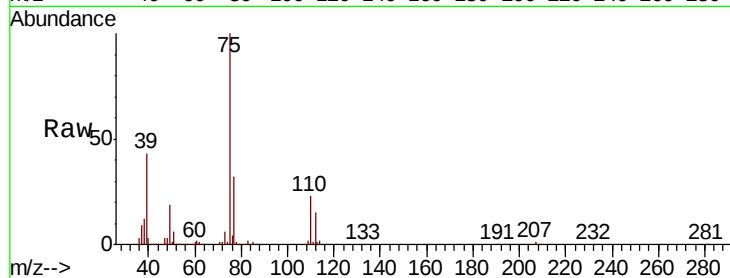
75 100

77 31.9 25.3 37.9

Manual Integrations
APPROVED

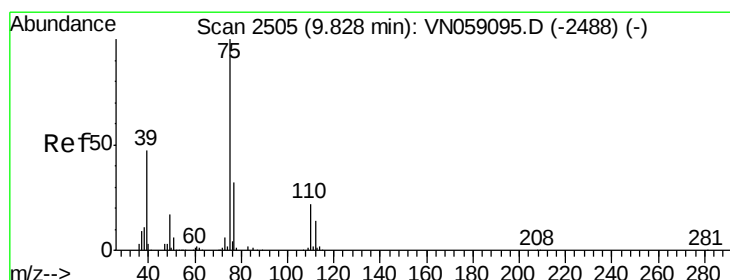
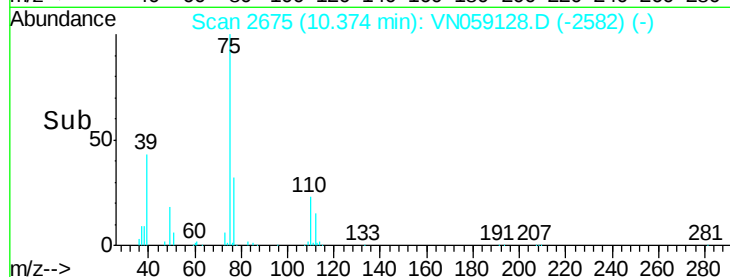
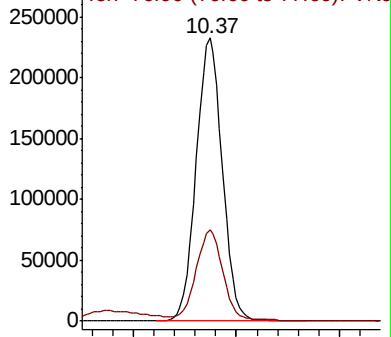
MMDadoda

11/8/2019 9:39:34 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.401 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

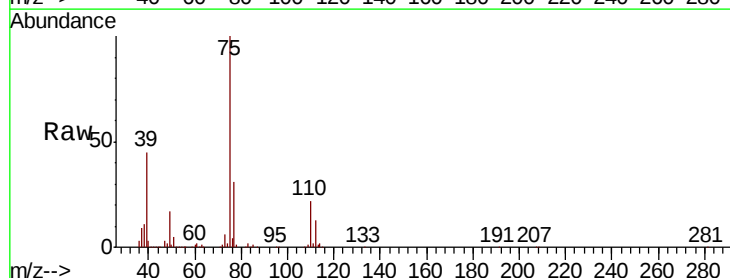
Tgt Ion: 75 Resp: 446175

Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

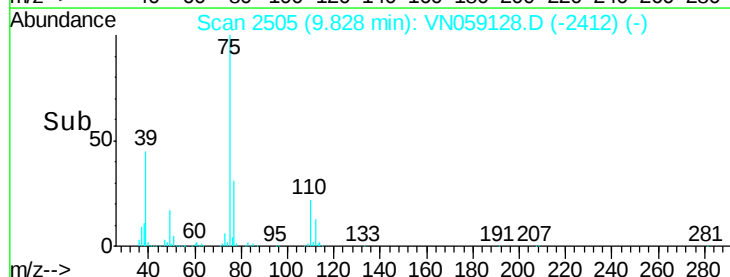
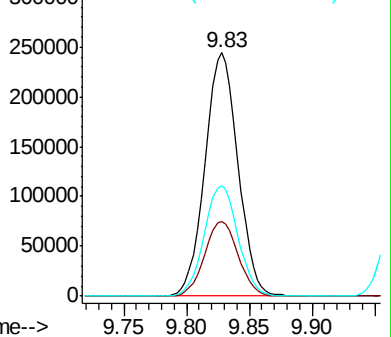
39 45.3 37.3 55.9

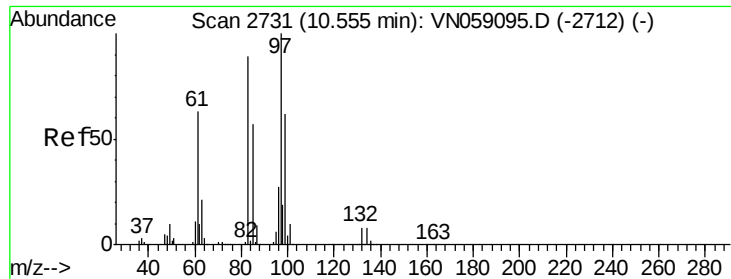


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





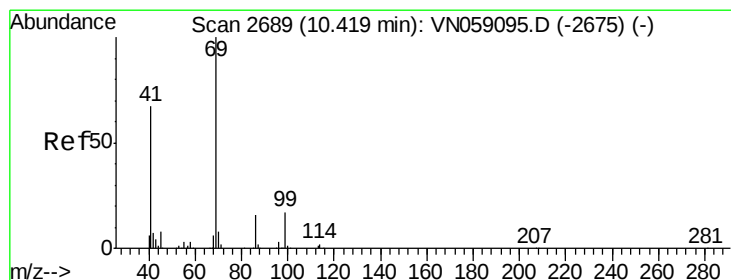
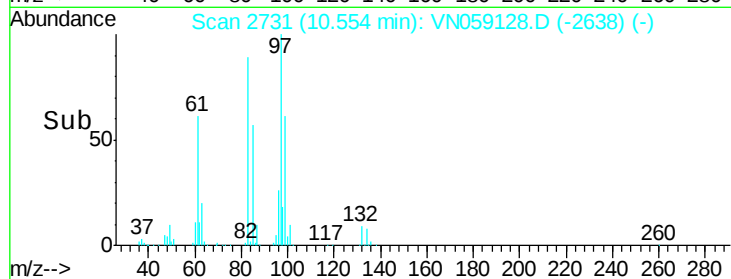
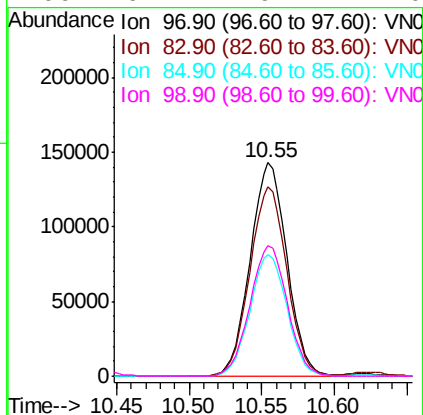
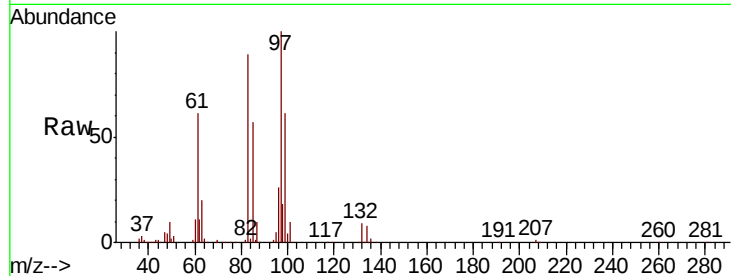
#55
 1,1,2-Trichloroethane
 Concen: 47.512 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		252935		
83	88.6	71.0	106.4		
85	57.2	45.8	68.8		
99	61.4	49.4	74.0		

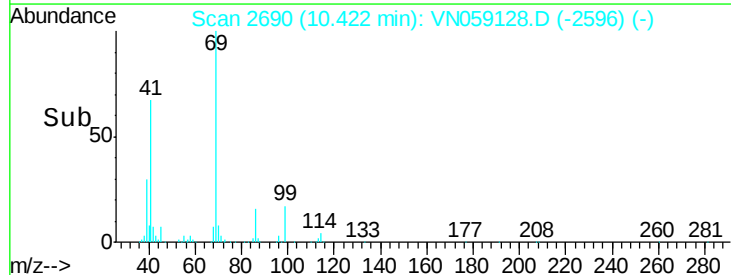
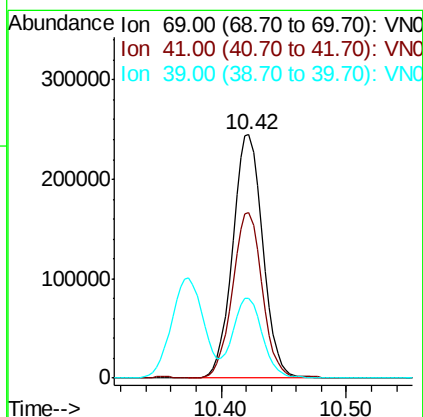
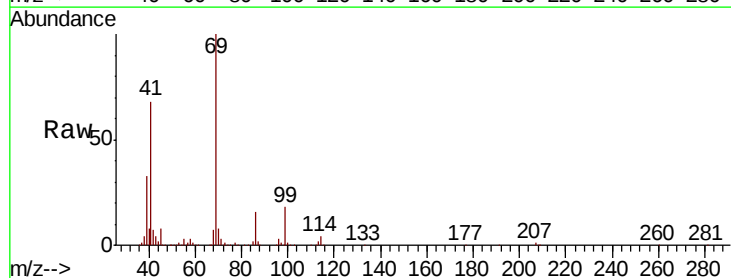
Manual Integrations
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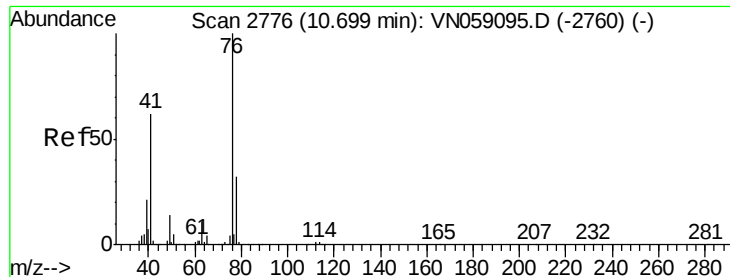
MMDadoda
 11/8/2019 9:39:34 AM



#56
 Ethyl methacrylate
 Concen: 46.335 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		410157		
41	66.3	53.6	80.4		
39	31.6	26.2	39.4		





#57

1,3-Dichloropropane

Concen: 48.546 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 444810

Ion Ratio Lower Upper

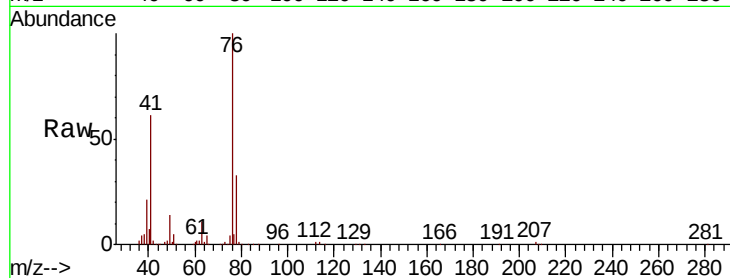
76 100

78 32.6 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

11/8/2019 9:39:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VN059128.D (-2683) (-)

Ion 77.90 (77.60 to 78.60): VN059128.D (-2683) (-)

10.70

250000

200000

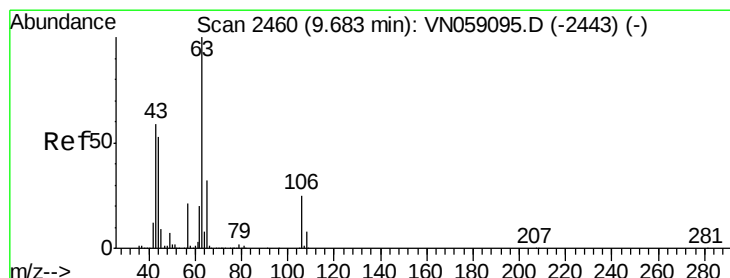
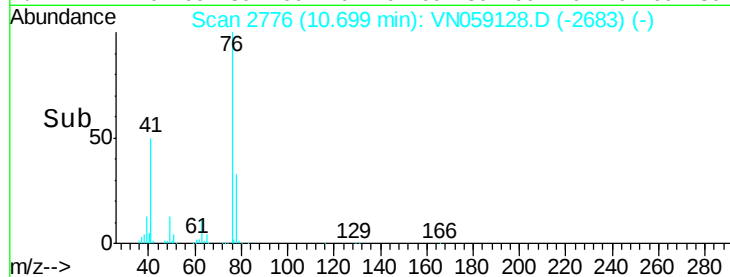
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 261.110 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059128.D

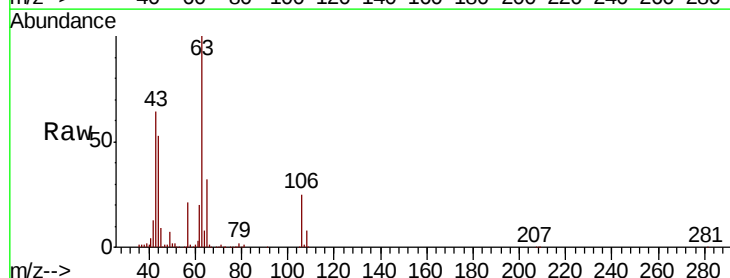
Acq: 7 Nov 2019 17:44

Tgt Ion: 63 Resp: 773604

Ion Ratio Lower Upper

63 100

106 25.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059128.D (-2367) (-)

Ion 105.90 (105.60 to 106.60): VN059128.D (-2367) (-)

9.68

500000

400000

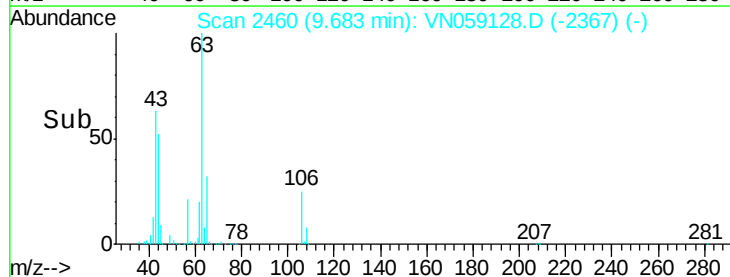
300000

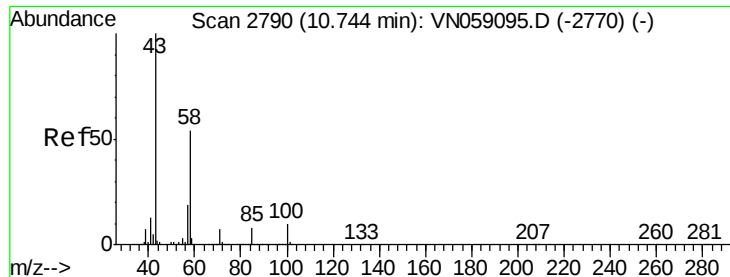
200000

100000

0

Time-->





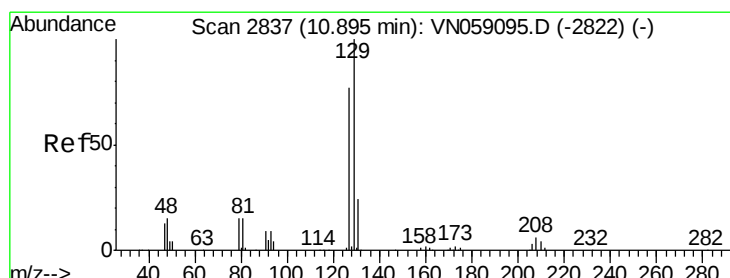
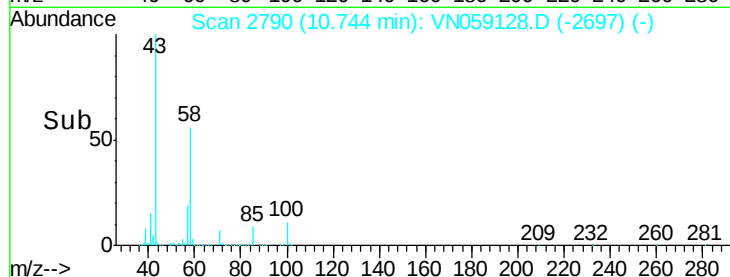
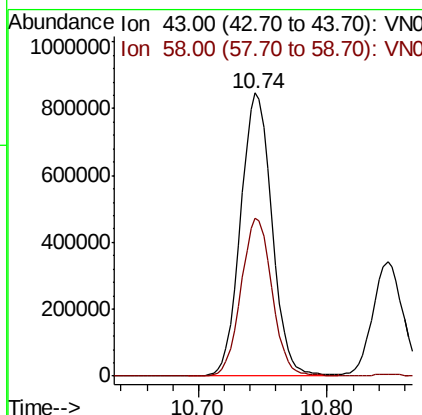
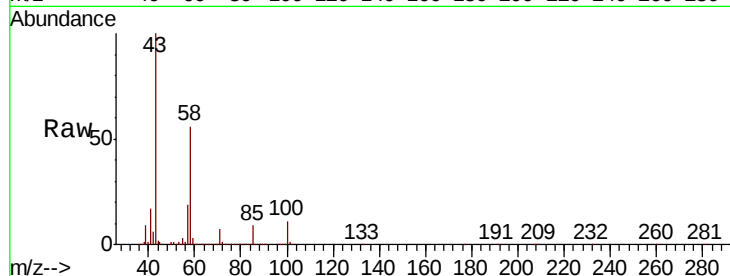
#59
2-Hexanone
Concen: 255.195 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1432567
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8

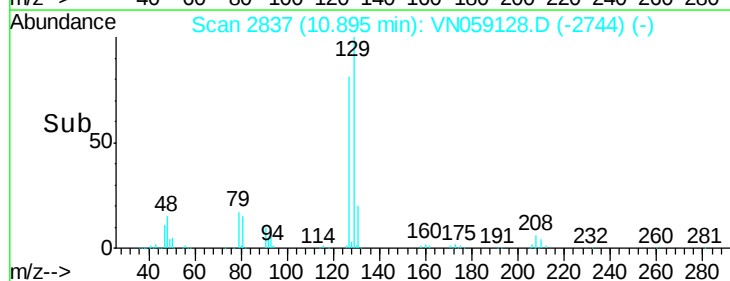
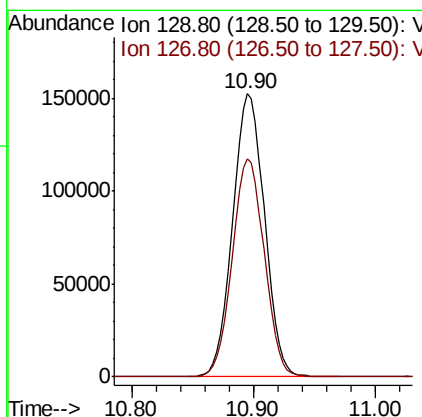
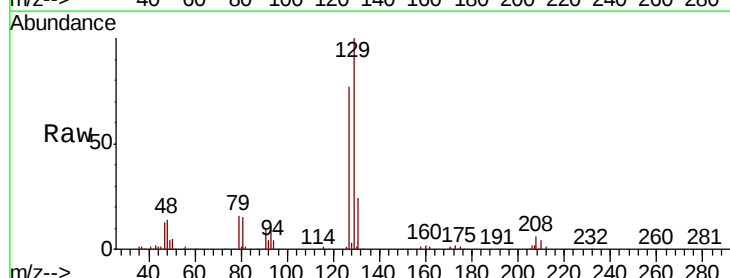
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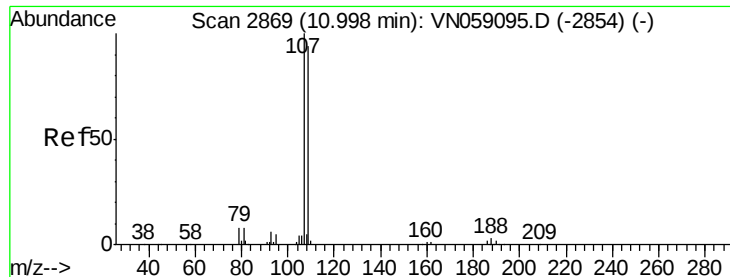
MMDadoda
11/8/2019 9:39:34 AM



#60
Dibromochloromethane
Concen: 49.111 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion: 129 Resp: 276426
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





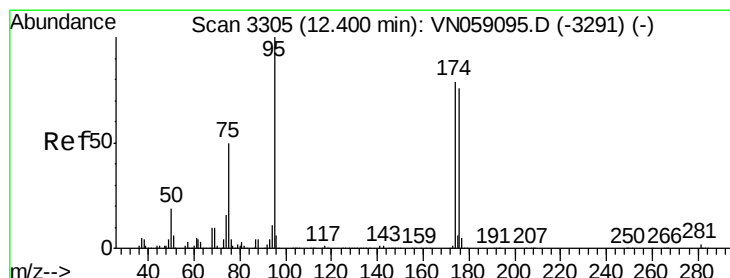
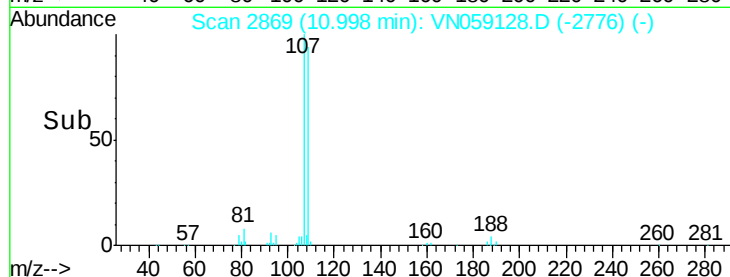
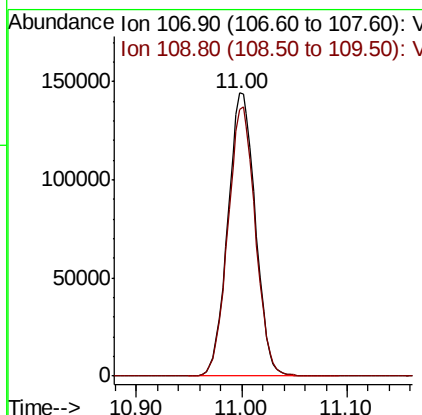
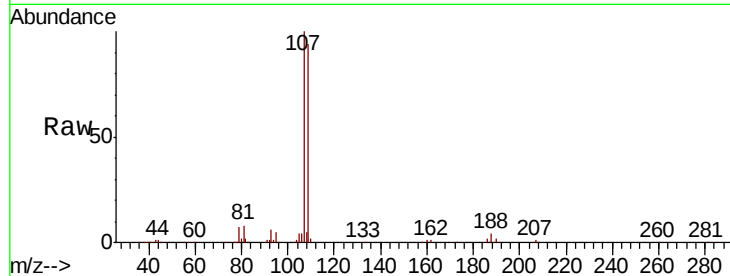
#61
 1,2-Dibromoethane
 Concen: 48.255 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.5	113.3

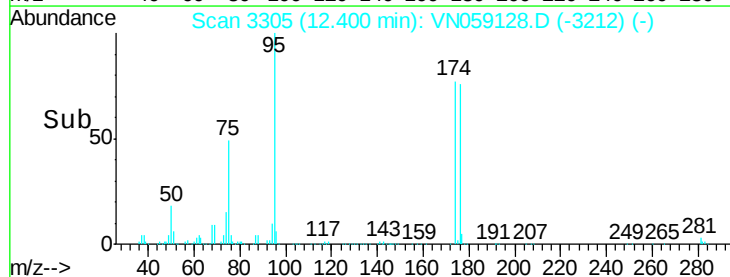
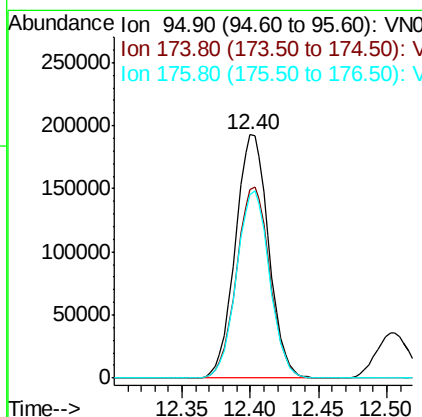
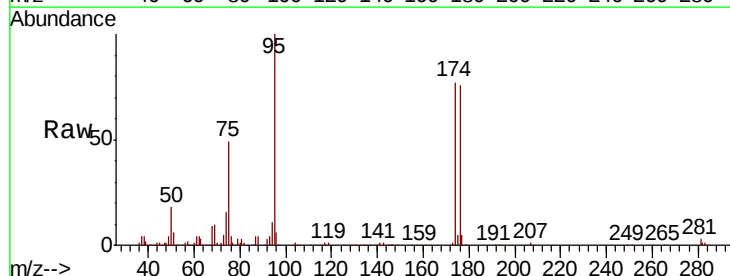
Manual Integrations
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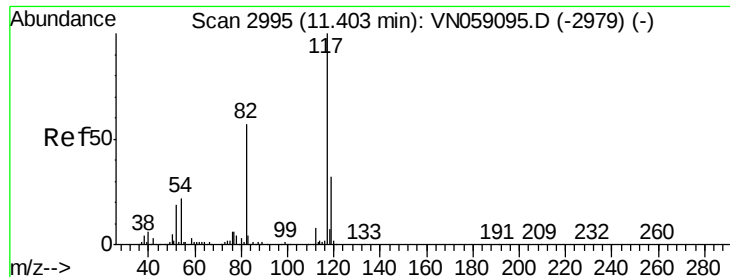
MMDadoda
 11/8/2019 9:39:34 AM



#62
 4-Bromofluorobenzene
 Concen: 49.493 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	158.2
176	76.2	0.0	151.8





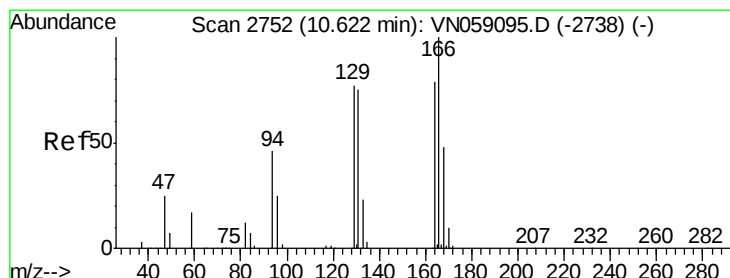
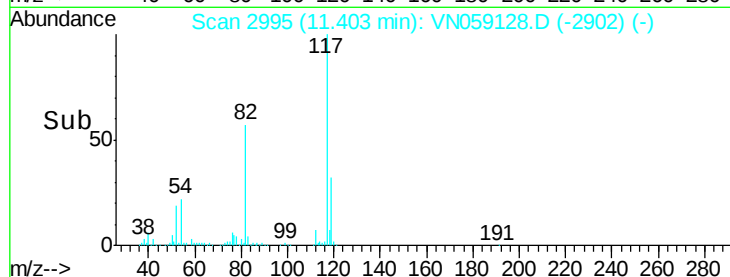
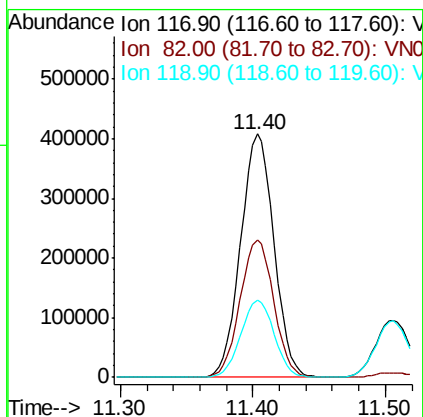
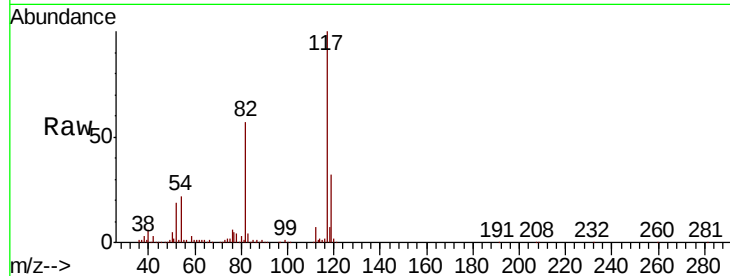
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.8	68.8
119	31.7	25.8	38.6

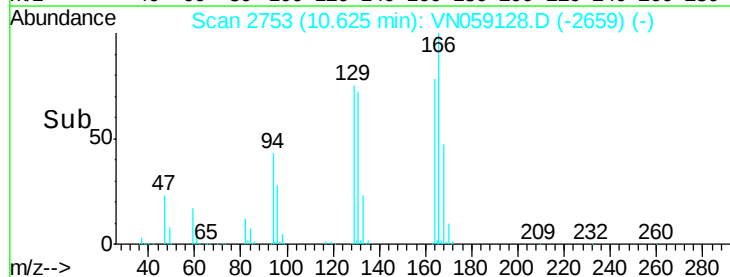
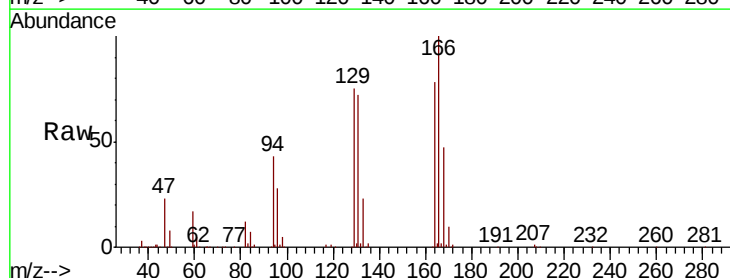
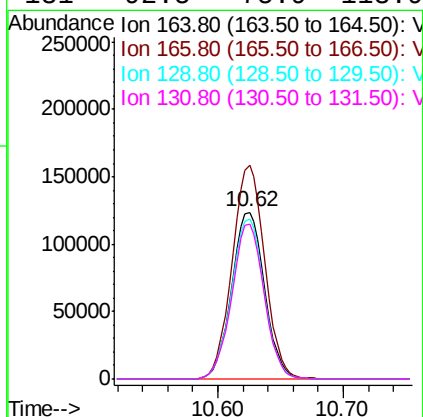
Manual Integrations
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#64
Tetrachloroethene
Concen: 46.530 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.5	152.3
129	95.8	78.3	117.5
131	92.5	75.9	113.9





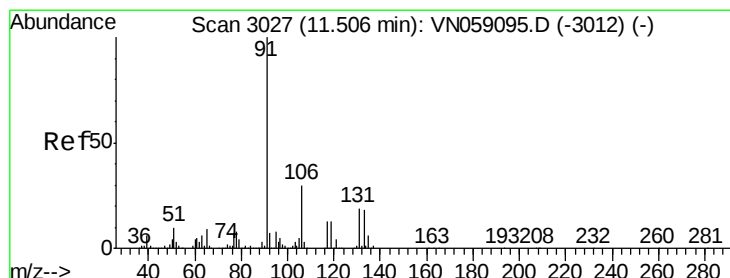
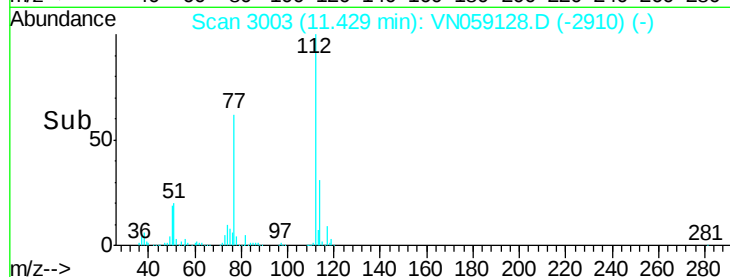
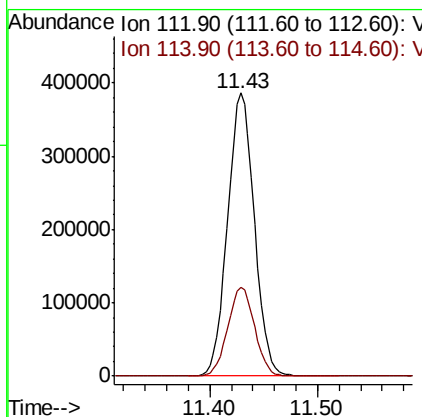
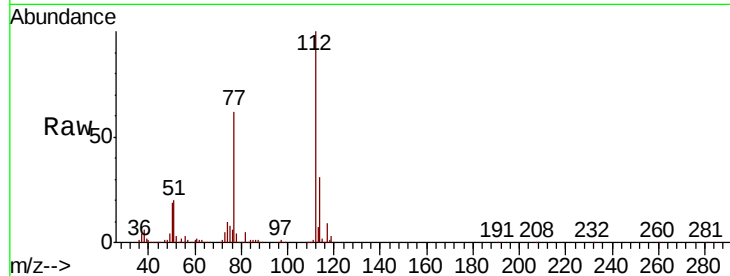
#65
Chlorobenzene
Concen: 48.186 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.2	37.8

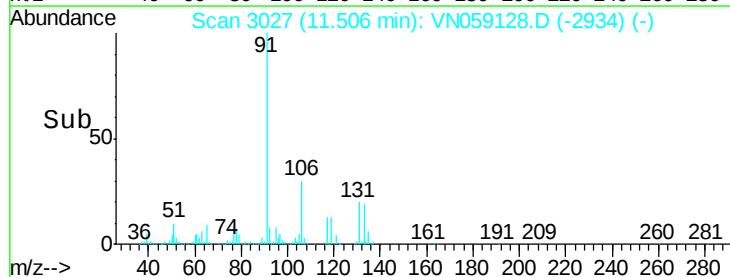
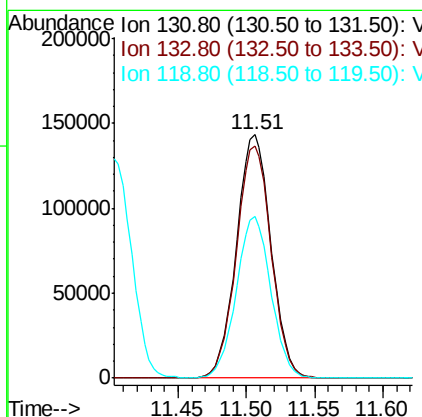
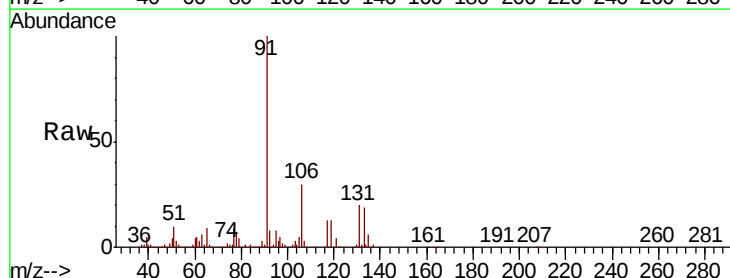
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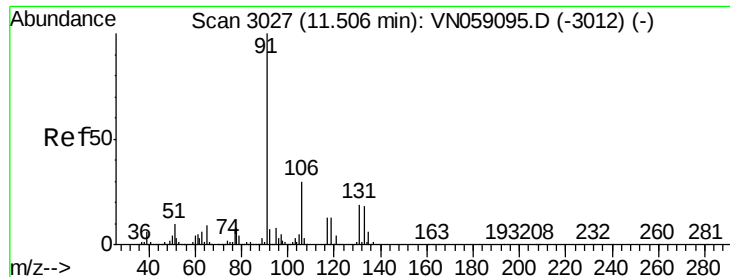
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.366 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.4	142.3
119	66.5	33.2	99.6





#67

Ethyl Benzene

Concen: 49.729 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1224294

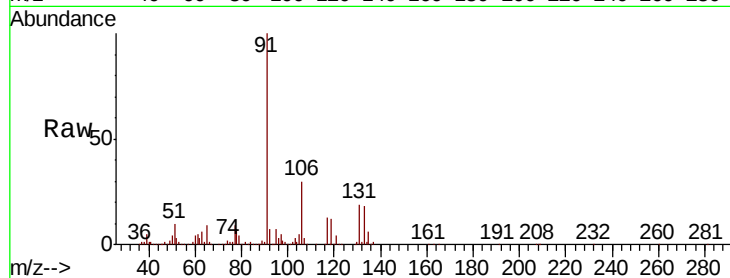
Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1

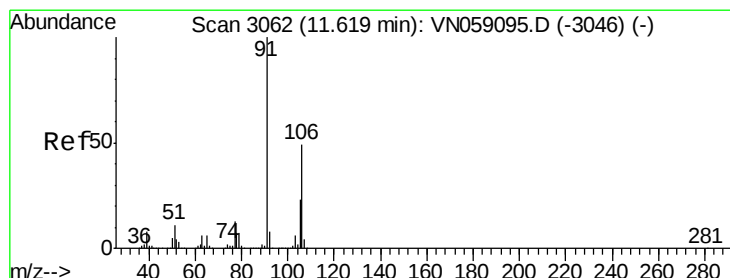
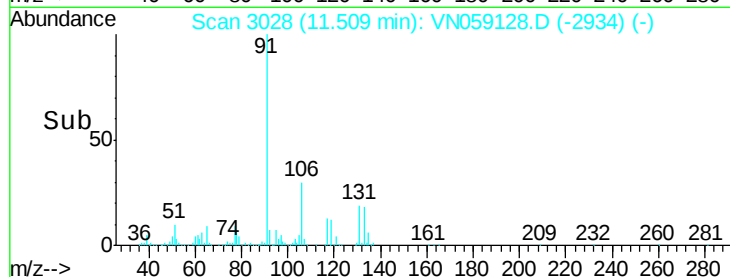
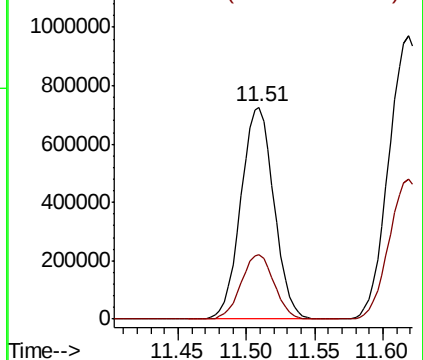
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN059128.D (-2934) (-)

Ion 106.00 (105.70 to 106.70): VN059128.D (-2934) (-)



#68

m/p-Xylenes

Concen: 99.254 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059128.D

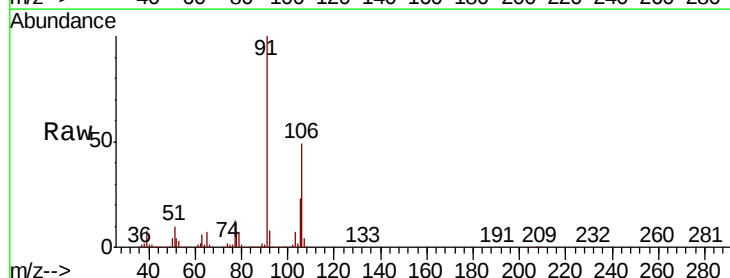
Acq: 7 Nov 2019 17:44

Tgt Ion: 106 Resp: 915324

Ion Ratio Lower Upper

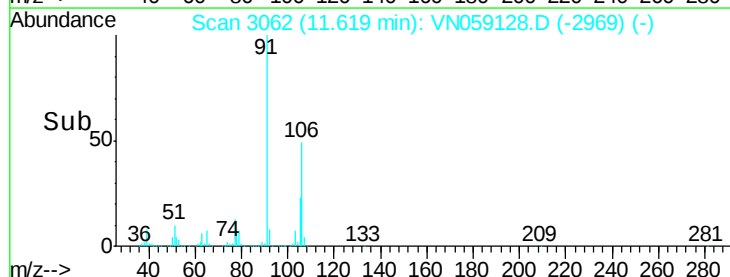
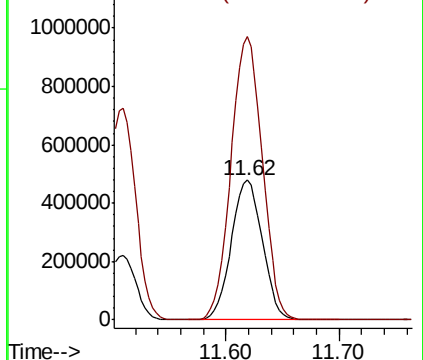
106 100

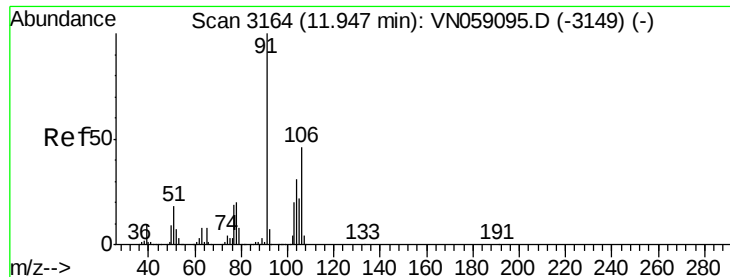
91 204.4 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059128.D (-2969) (-)

Ion 91.00 (90.70 to 91.70): VN059128.D (-2969) (-)





#69

o-Xylene

Concen: 48.721 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 434210

Ion Ratio Lower Upper

106 100

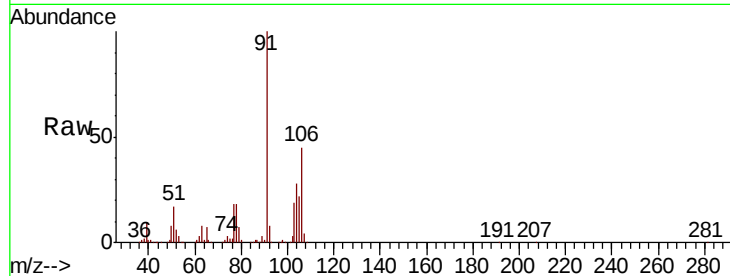
91 219.1 110.1 330.3

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

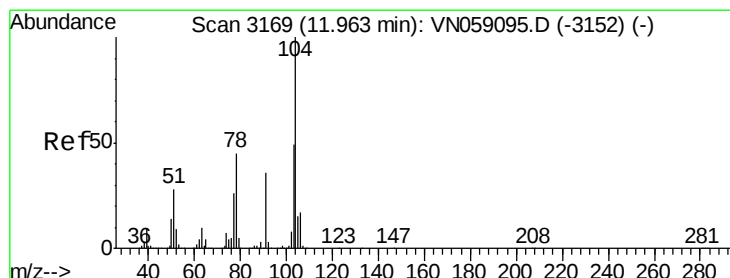
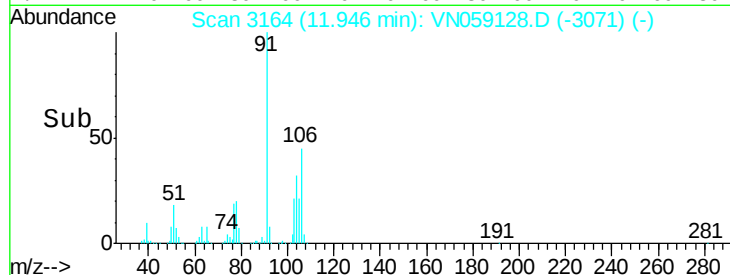
400000

200000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 51.762 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

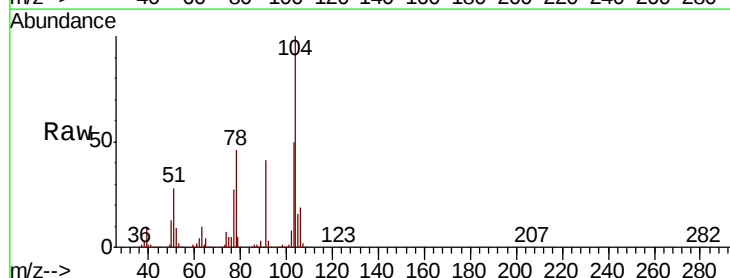
Tgt Ion:104 Resp: 725521

Ion Ratio Lower Upper

104 100

78 50.9 41.2 61.8

103 55.3 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

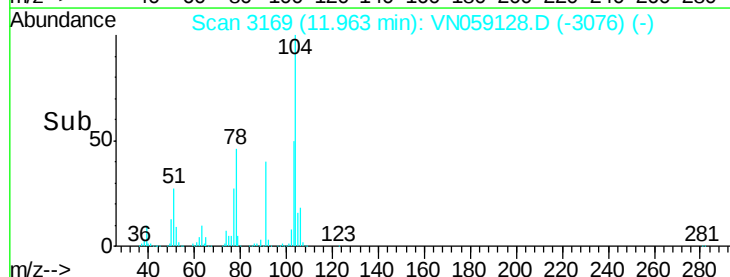
200000

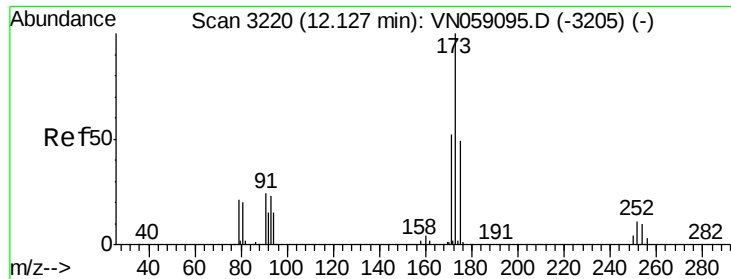
100000

0

11.90 11.95 12.00

Time-->





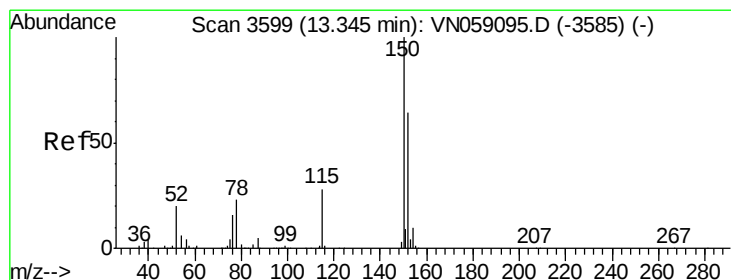
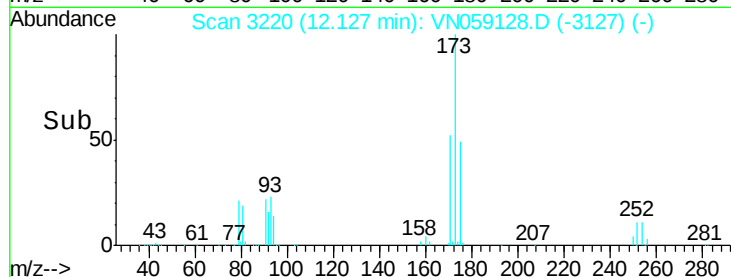
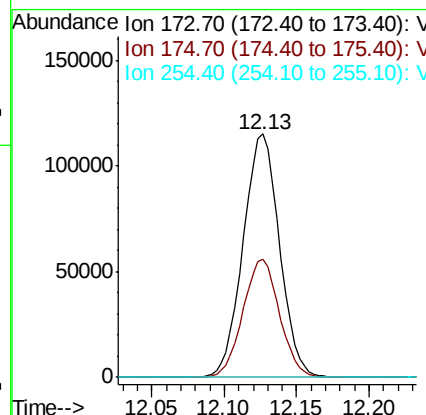
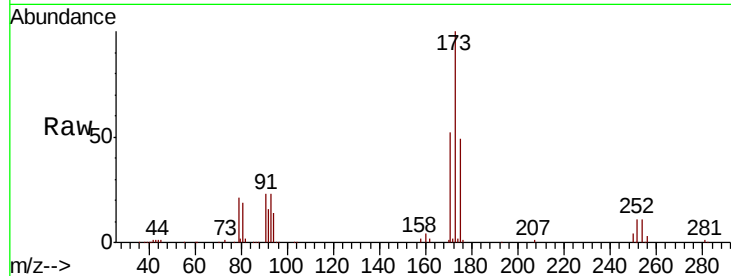
#71
Bromoform
Concen: 49.763 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.1	0.1	0.1

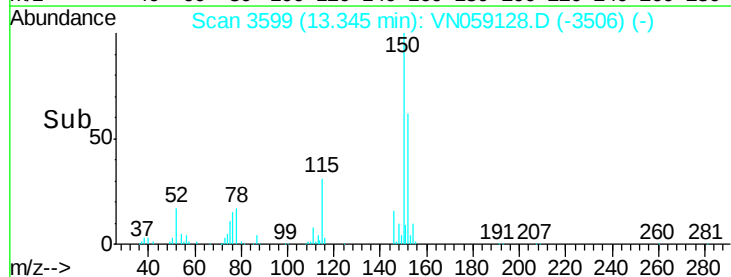
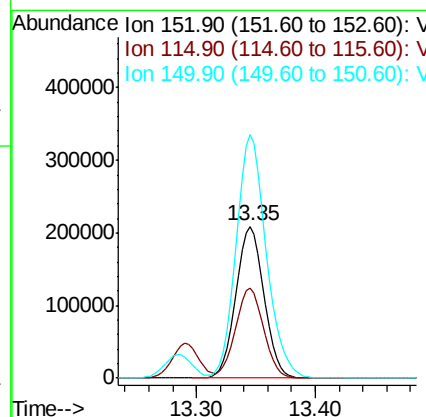
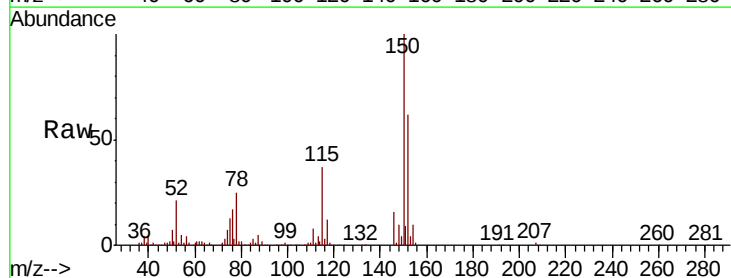
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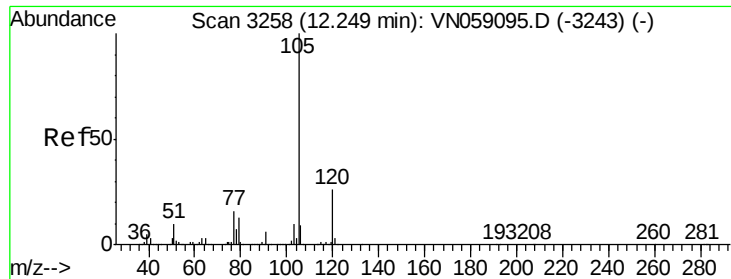
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	171.7	0.0	345.8





#73

Isopropylbenzene

Concen: 47.710 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1183707

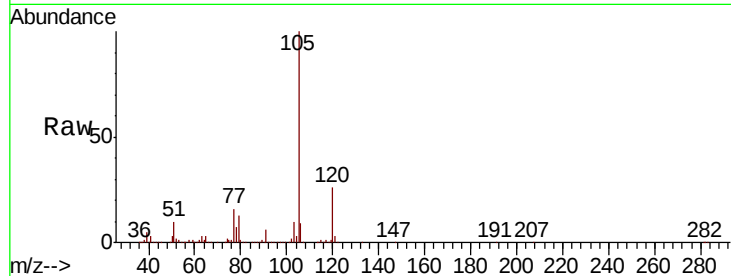
Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3

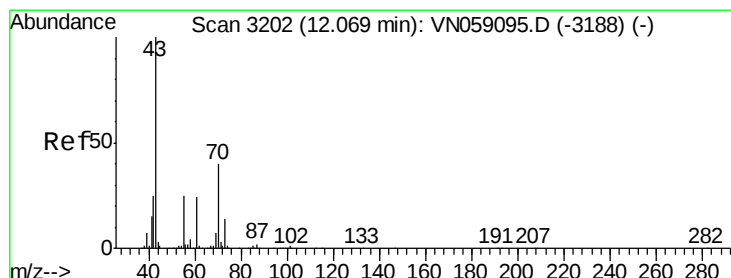
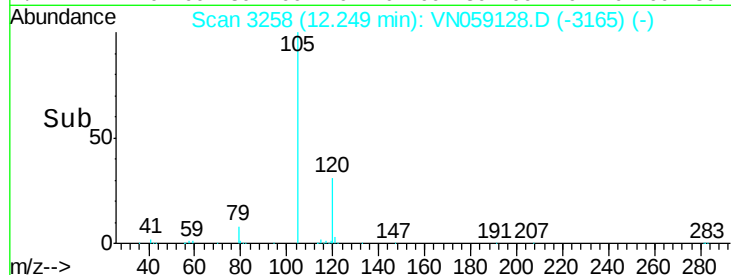
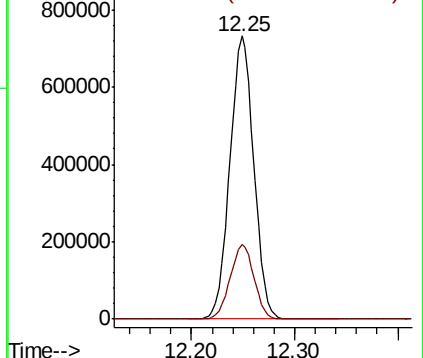
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.710 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Tgt Ion: 43 Resp: 522603

Ion Ratio Lower Upper

43 100

70 41.7 32.2 48.4

55 25.6 20.4 30.6

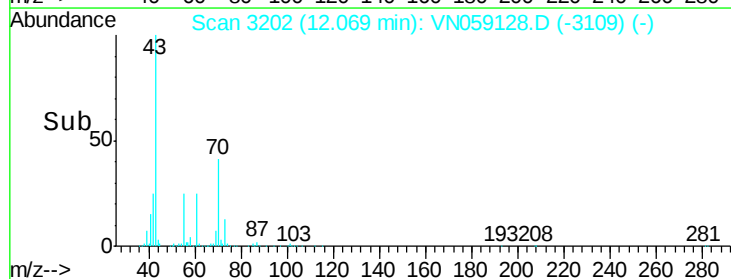
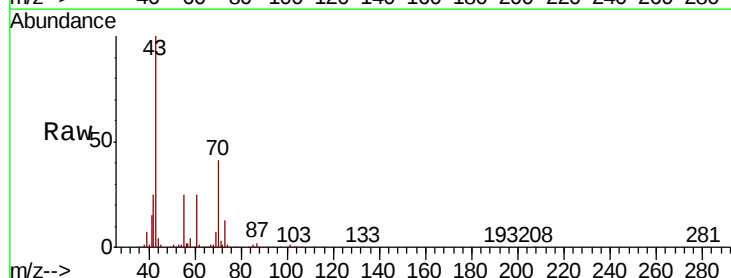
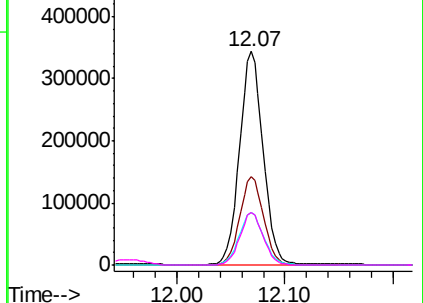
61 24.5 19.3 28.9

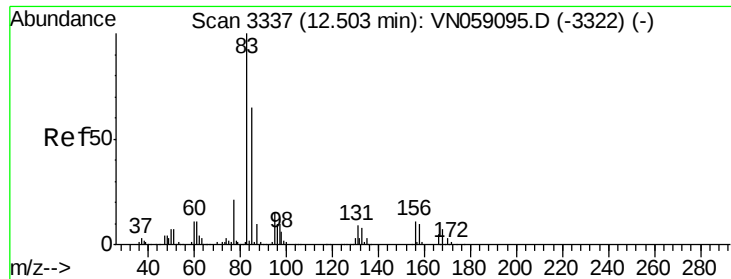
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.877 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 396068
Ion Ratio Lower Upper

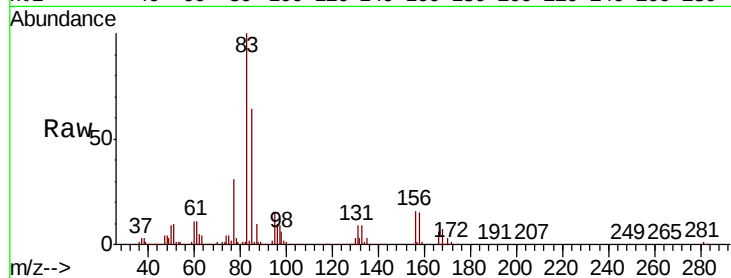
83 100

131 9.6 4.9 14.6

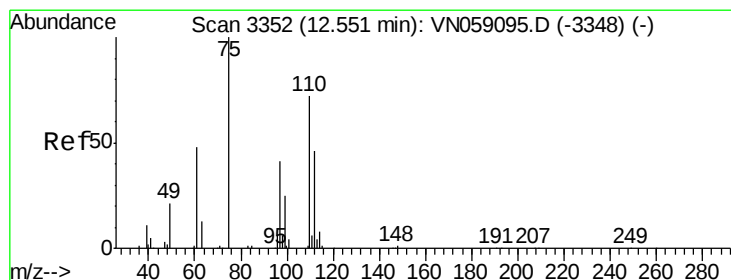
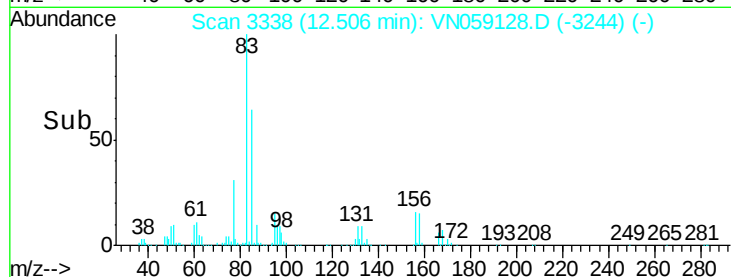
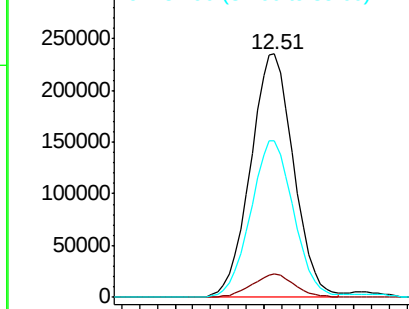
85 64.2 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 44.878 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

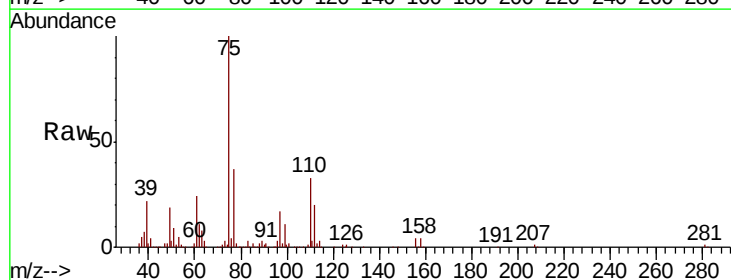
Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

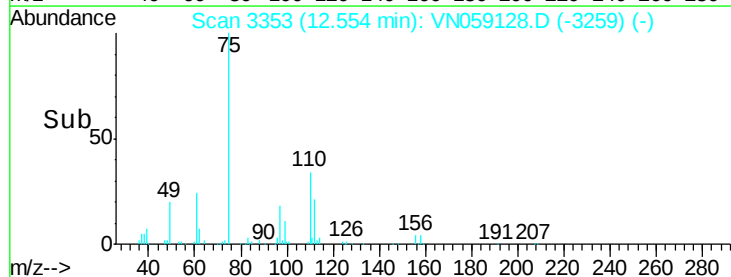
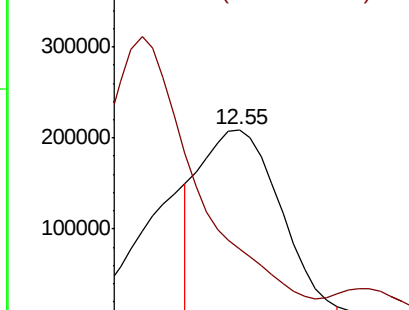
Tgt Ion: 75 Resp: 348491
Ion Ratio Lower Upper

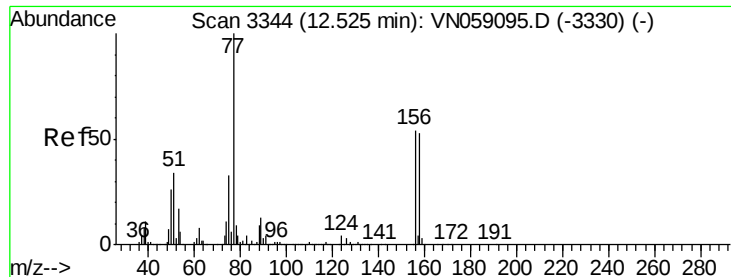
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 46.085 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

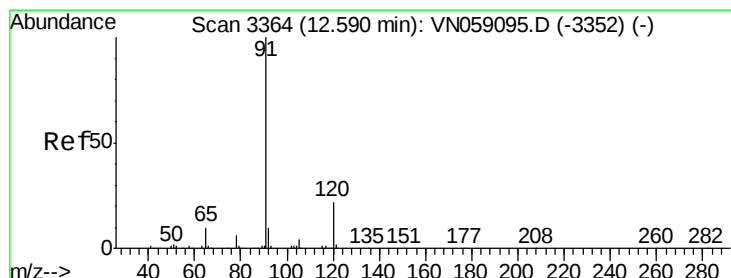
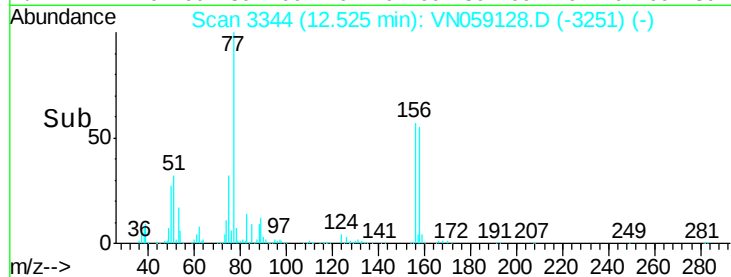
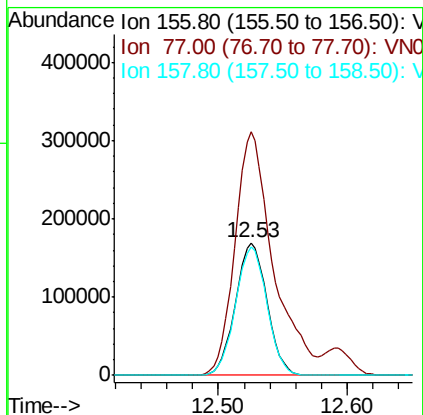
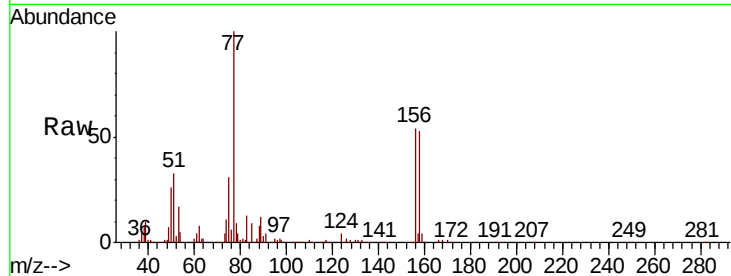
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	287265
Ion Ratio	Lower	Upper	
156	100		
77	223.3	112.8	338.3
158	97.0	48.4	145.3

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#78

n-propylbenzene

Concen: 48.545 ug/l

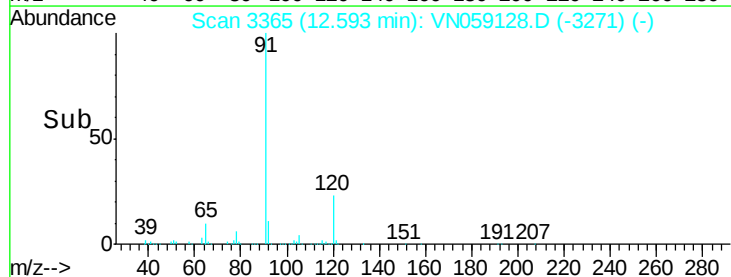
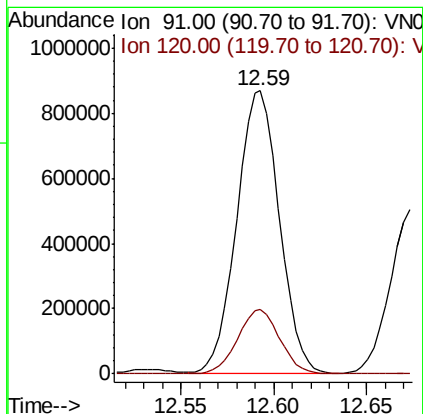
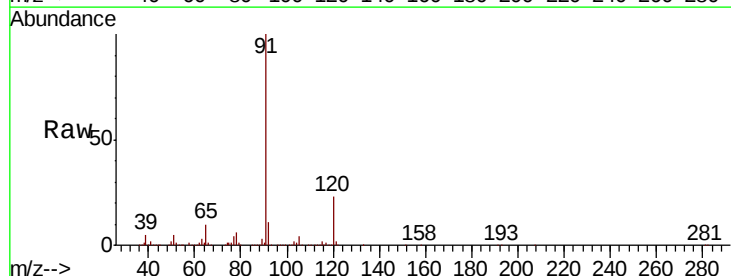
RT: 12.59 min Scan# 3365

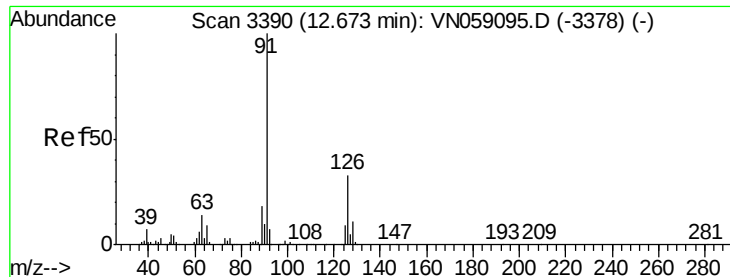
Delta R.T. 0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Tgt Ion:	91	Resp:	1379048
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 46.779 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 824372

Ion Ratio Lower Upper

91 100

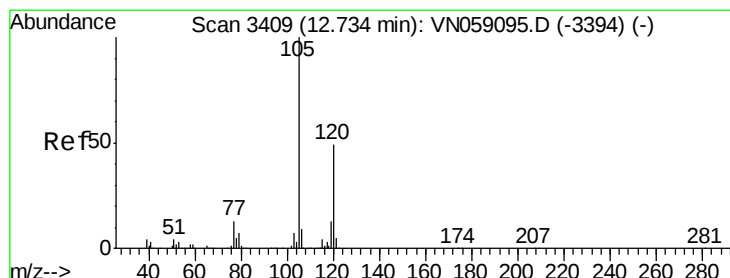
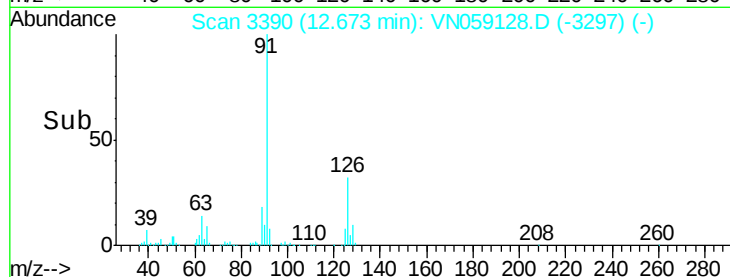
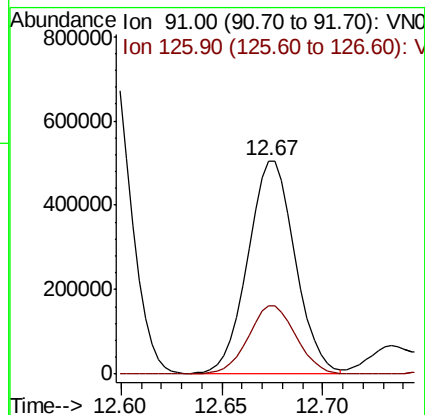
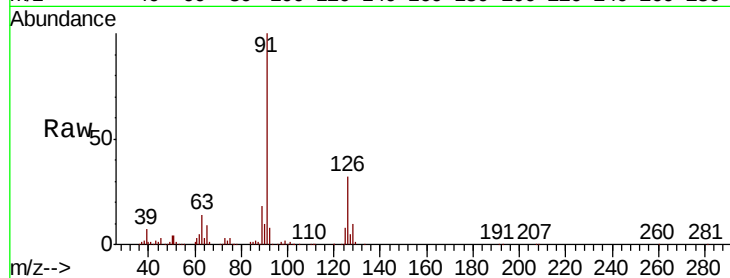
126 32.6 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 47.754 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059128.D

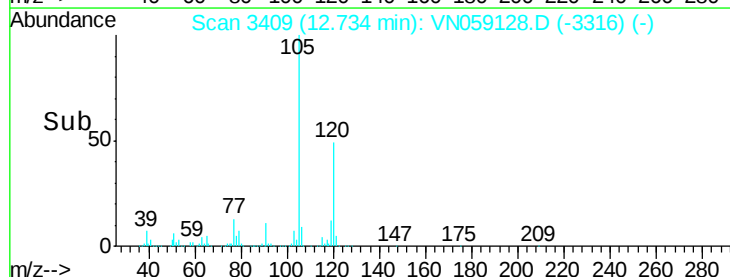
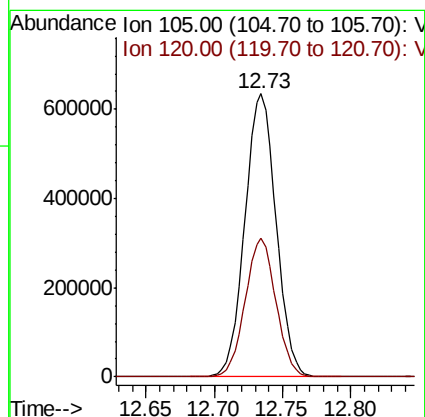
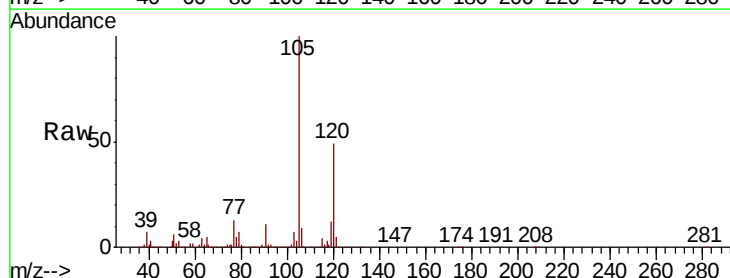
Acq: 7 Nov 2019 17:44

Tgt Ion: 105 Resp: 1003937

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0





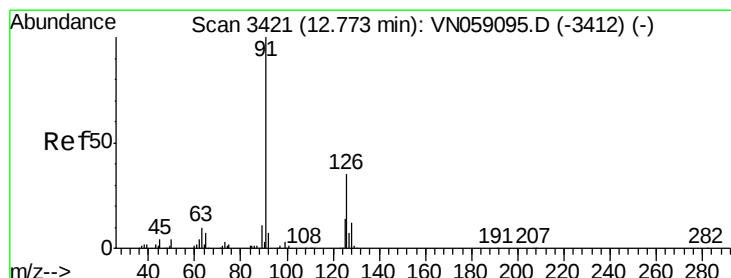
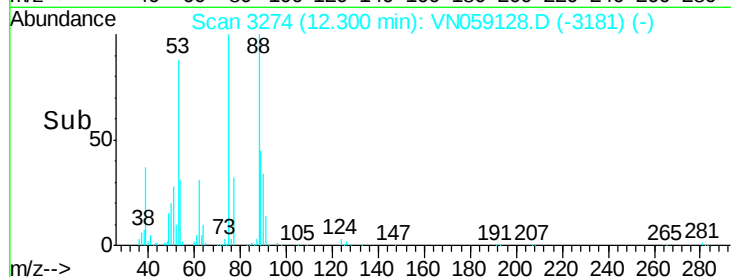
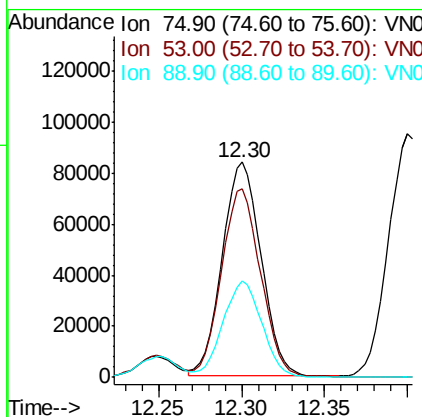
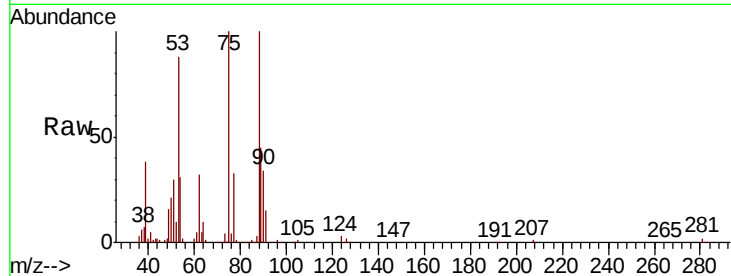
#81
trans-1,4-Dichloro-2-butene
Concen: 46.626 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	72.2	108.2
89	45.0	35.8	53.8

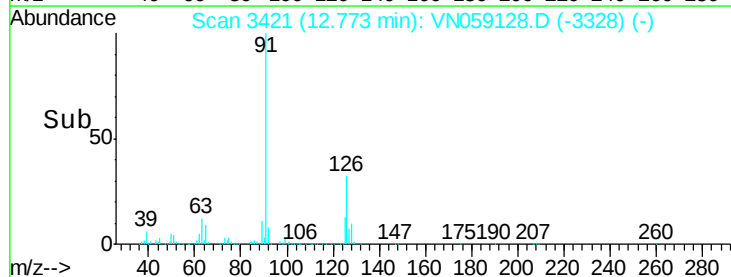
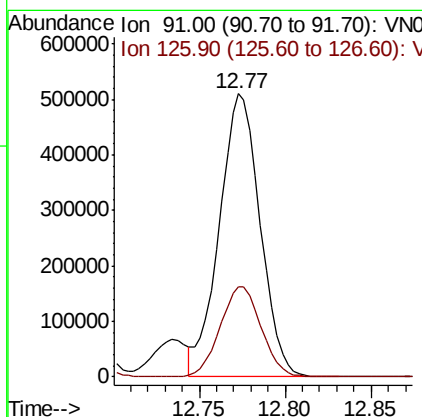
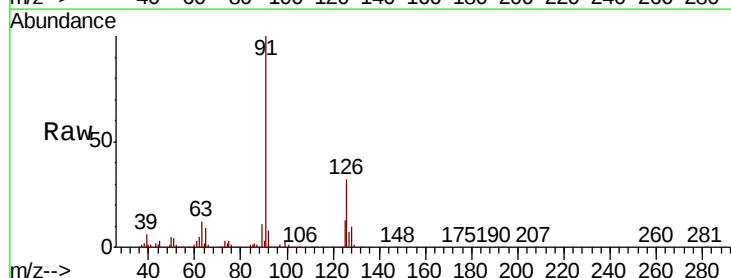
Manual Integrations
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#82
4-Chlorotoluene
Concen: 47.627 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.1	48.2





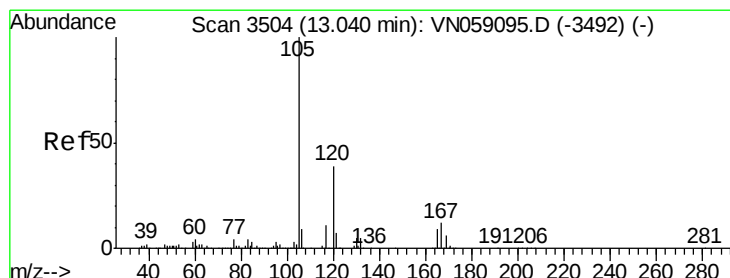
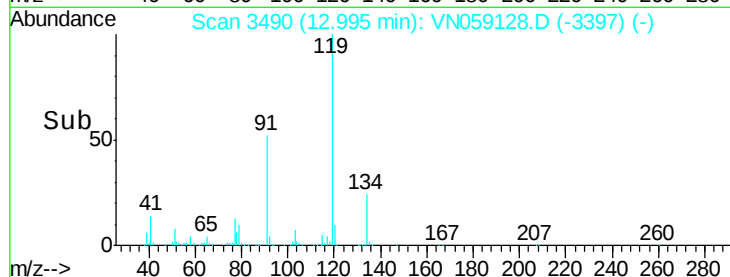
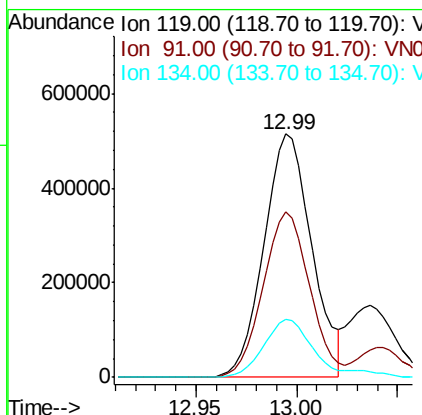
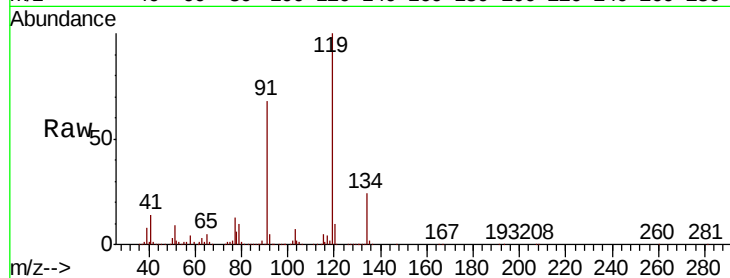
#83
tert-Butylbenzene
Concen: 46.761 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.2	99.6
134	25.7	12.7	38.1

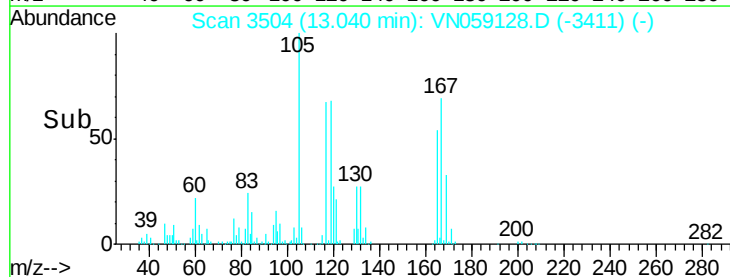
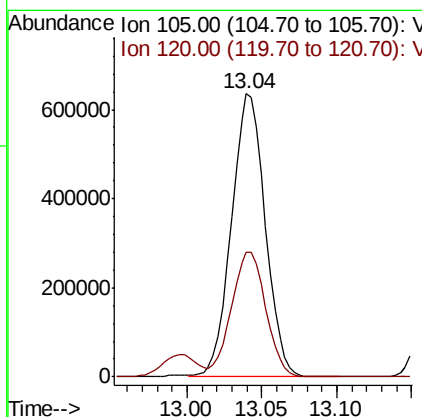
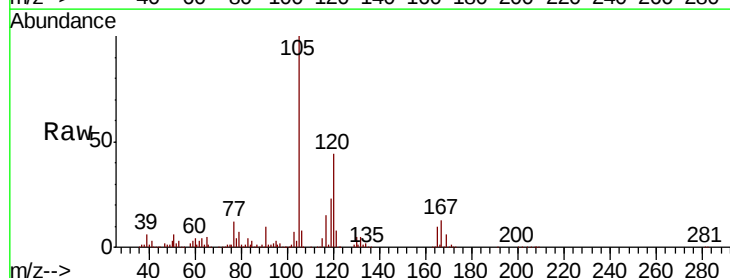
Manual Integrations
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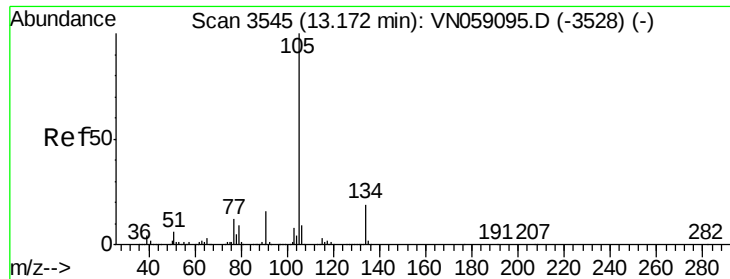
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#84
1,2,4-Trimethylbenzene
Concen: 48.866 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.4





#85

sec-Butylbenzene

Concen: 48.173 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1137433

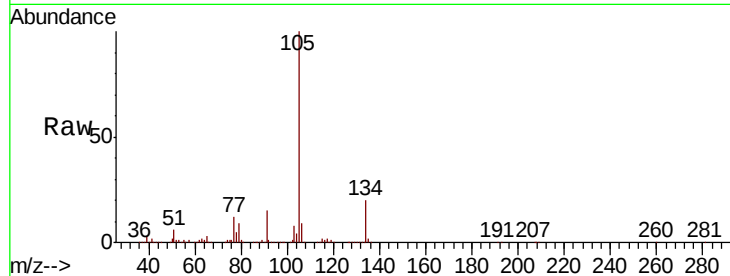
Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1

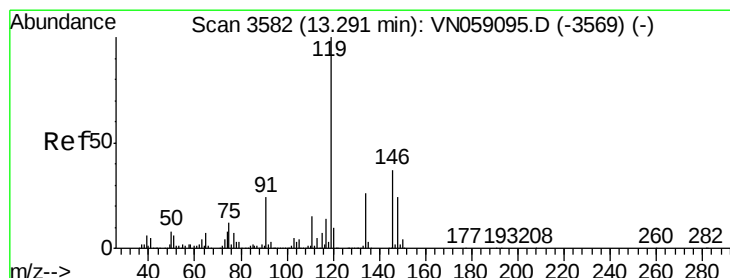
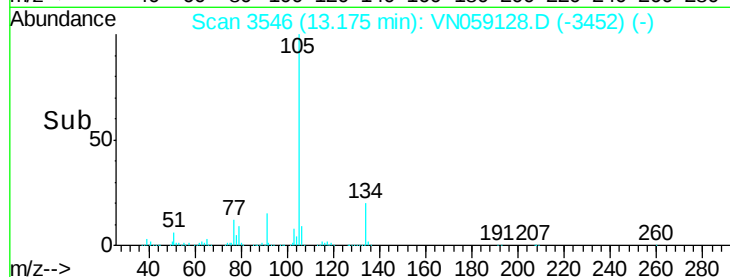
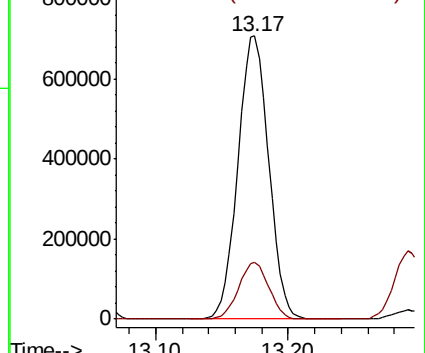
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.626 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

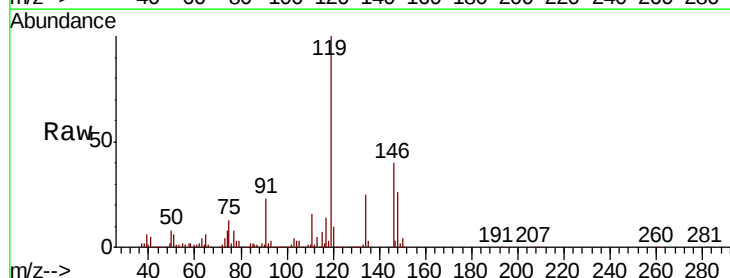
Tgt Ion:119 Resp: 1034613

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

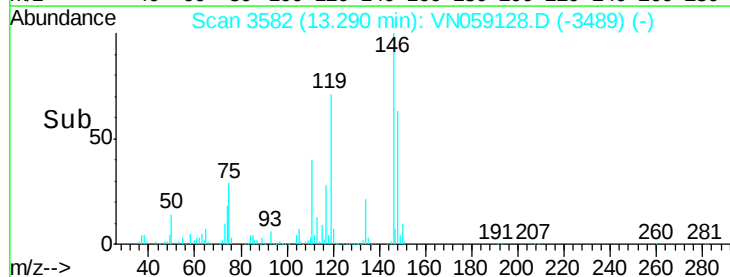
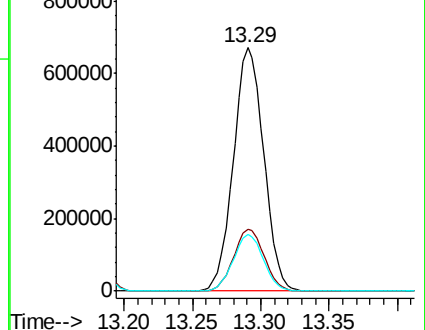
91 23.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.716 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Instrument :

MSVOA_N

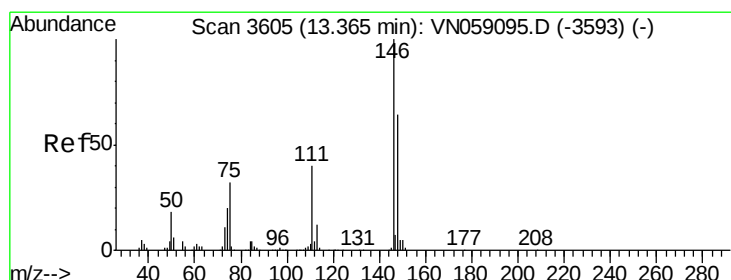
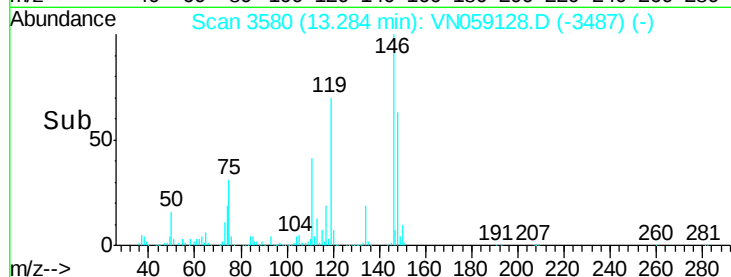
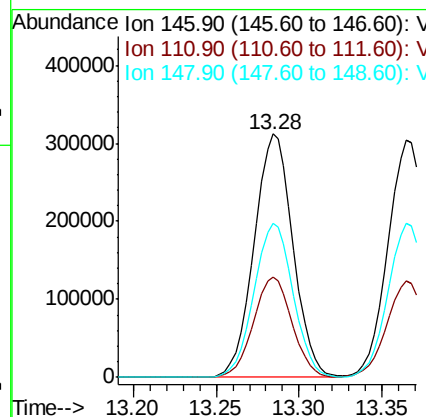
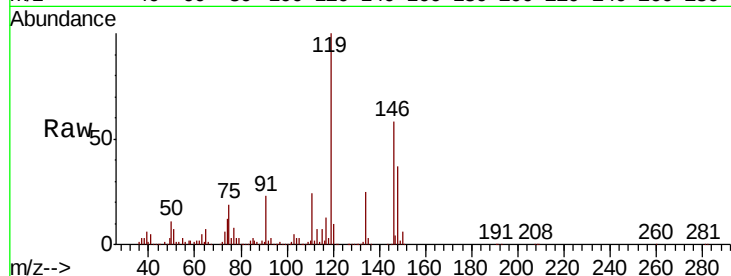
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	509329
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.4	61.3
148	63.7	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 46.805 ug/l

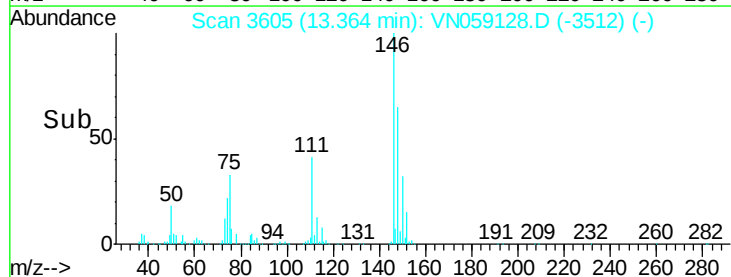
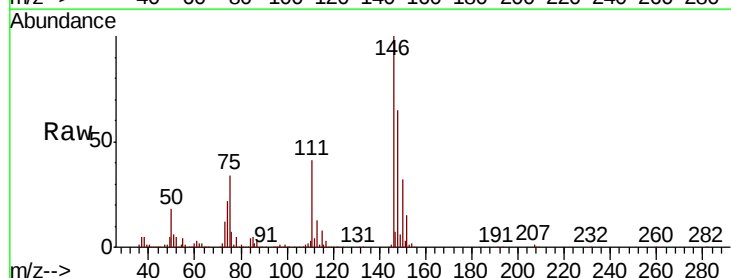
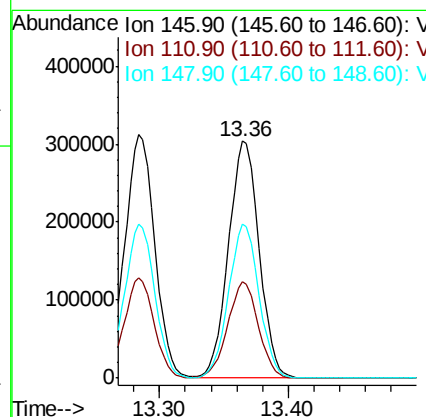
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059128.D

Acq: 7 Nov 2019 17:44

Tgt Ion:	146	Resp:	499868
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	60.9
148	64.6	31.9	95.7





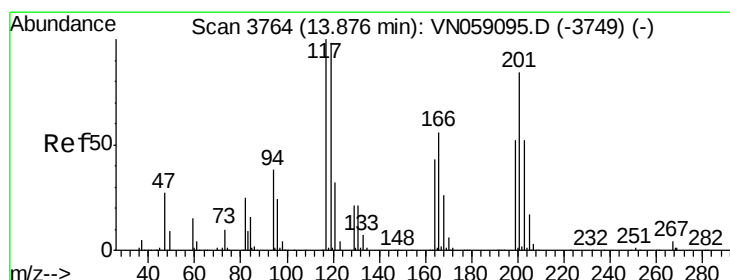
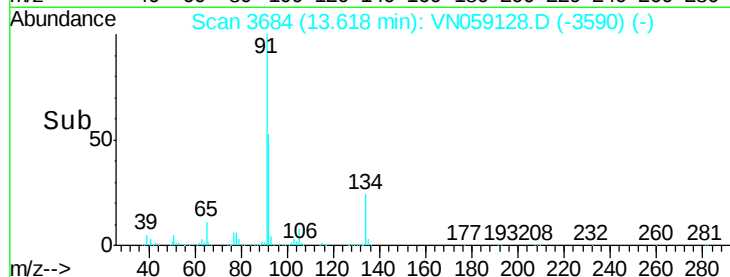
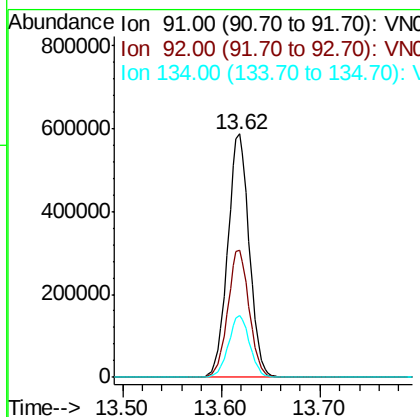
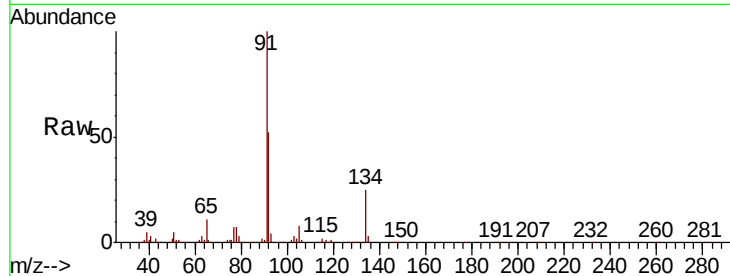
#89
n-Butylbenzene
Concen: 49.236 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.3
134	25.1	12.6	37.8

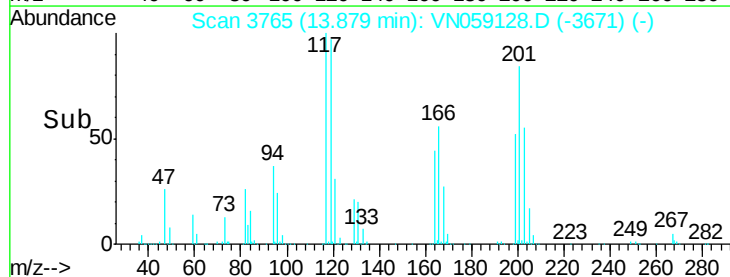
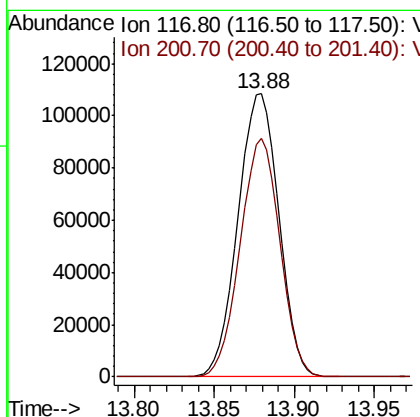
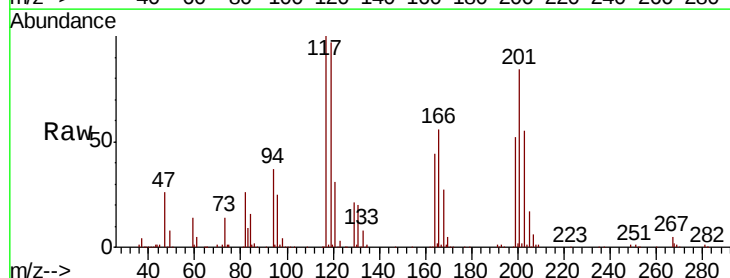
Manual Integrations
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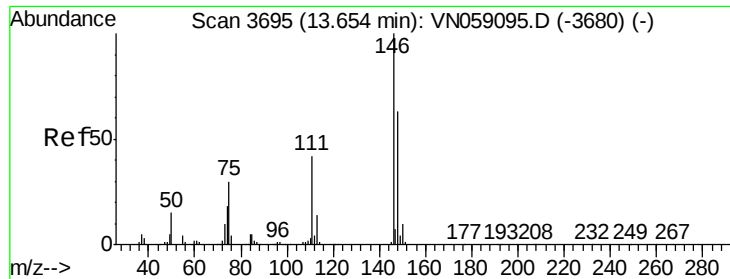
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#90
Hexachloroethane
Concen: 45.326 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	41.8	125.3





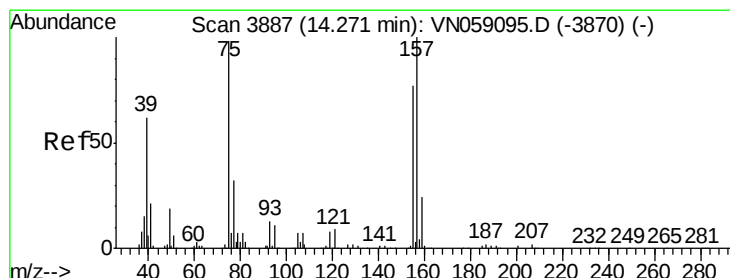
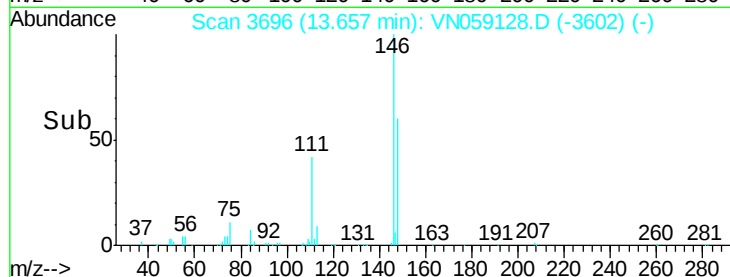
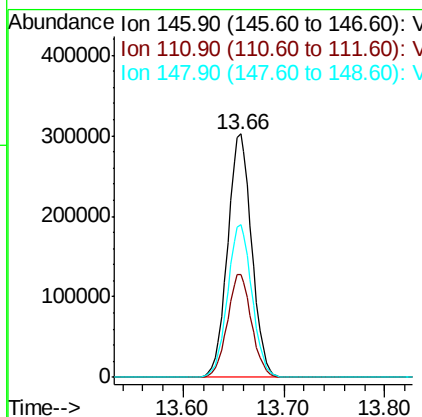
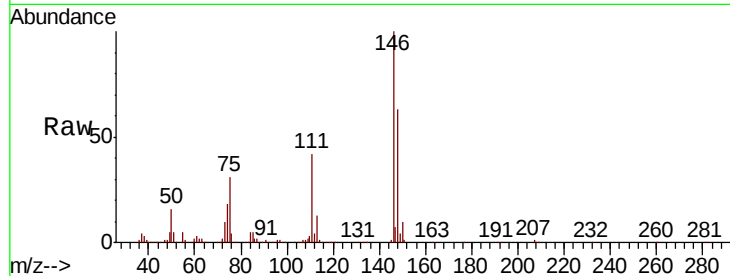
#91
 1,2-Dichlorobenzene
 Concen: 47.897 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	63.8	31.6	94.7

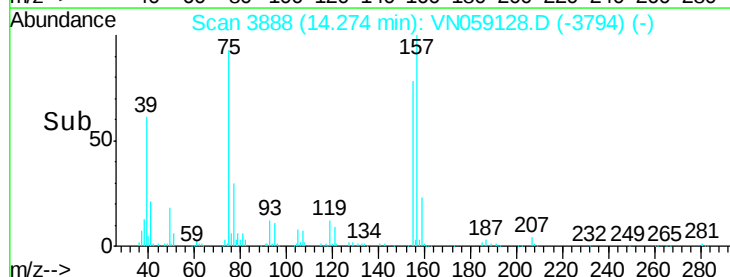
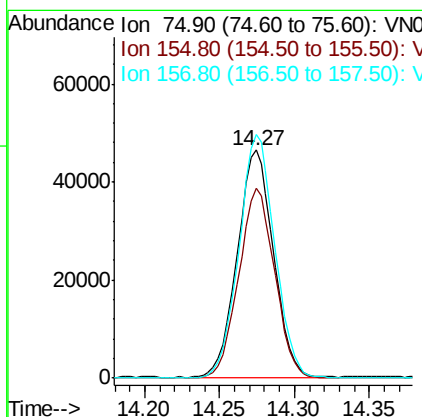
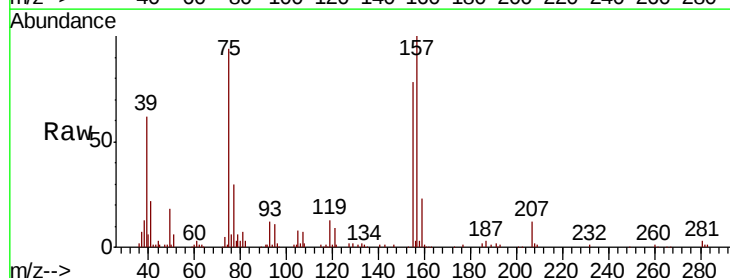
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.001 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059128.D
 Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	40.2	120.6
157	106.7	51.8	155.5





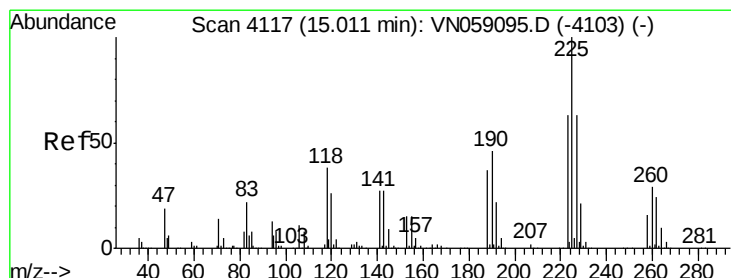
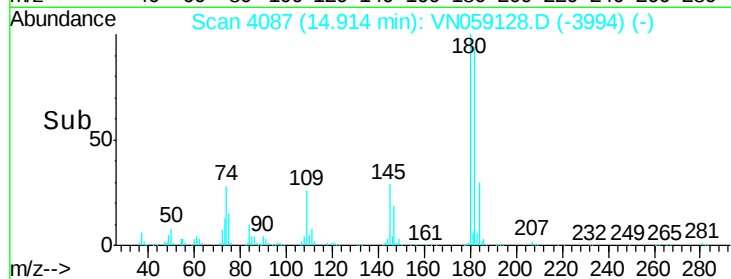
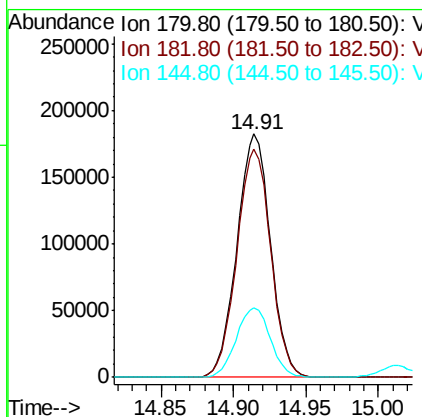
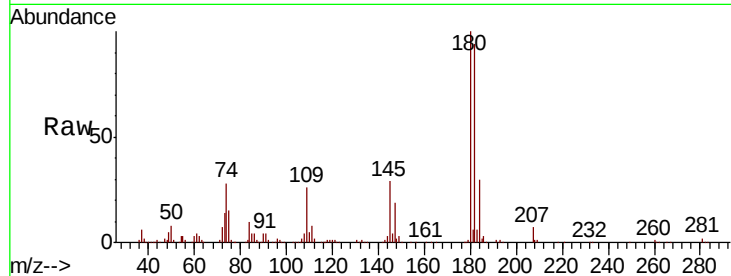
#93
1,2,4-Trichlorobenzene
Concen: 46.165 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.7	48.1	144.3
145	29.3	15.1	45.3

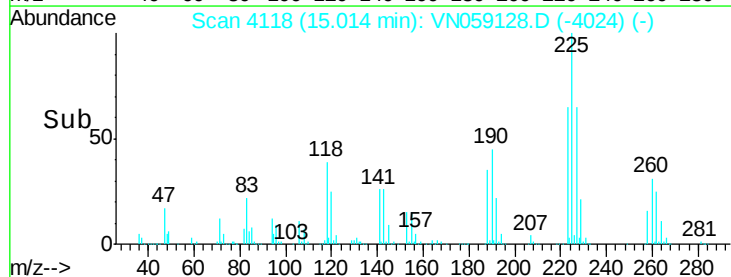
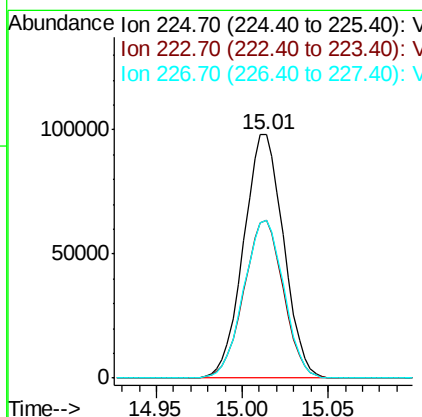
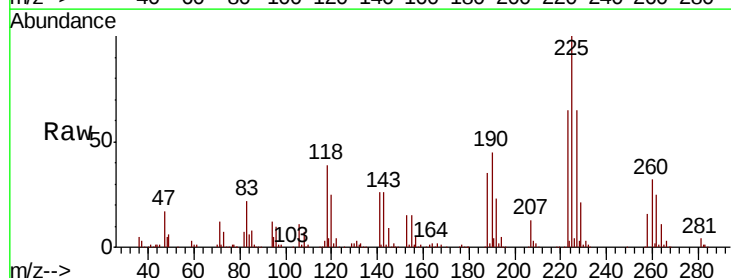
Manual Integrations
APPROVED

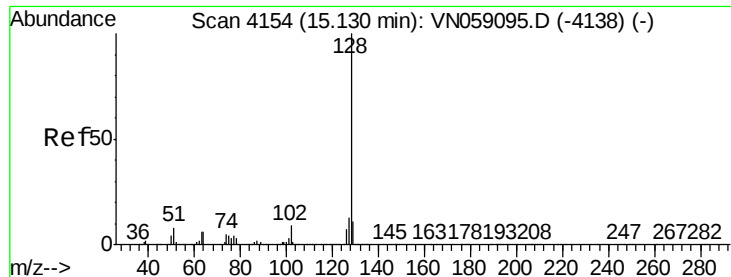
MMDadoda
11/8/2019 9:39:34 AM



#94
Hexachlorobutadiene
Concen: 43.673 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.1	31.3	93.9
227	65.1	31.5	94.5





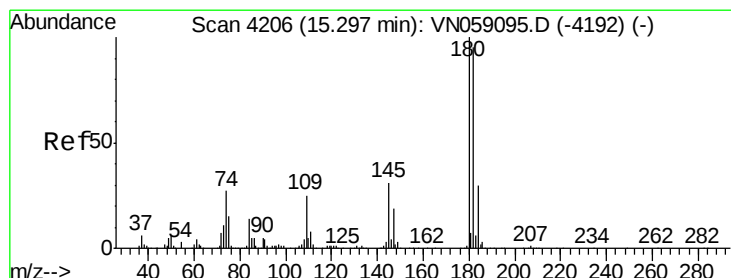
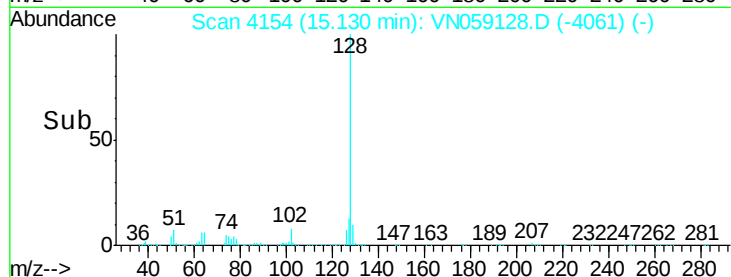
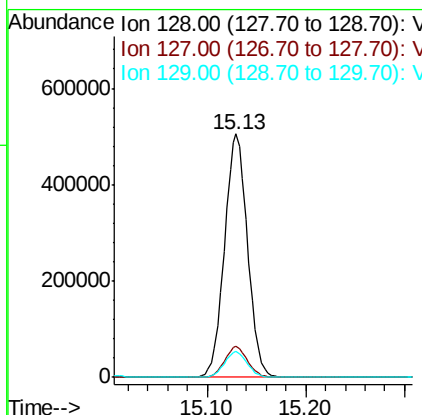
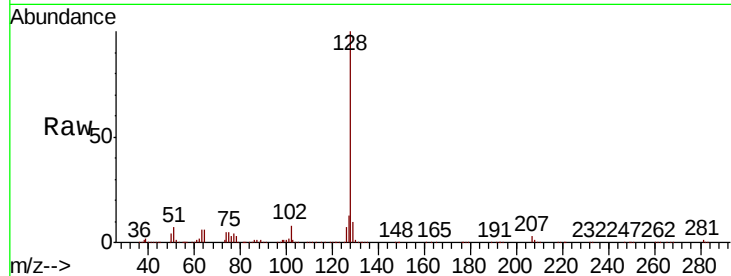
#95
Naphthalene
Concen: 46.952 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.050 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059128.D
Acq: 7 Nov 2019 17:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	31.9	15.8	47.3

